

LICHENES

ASCOLICHENES.

PYRENOCARPEAE.

VERRUCARIACEAE.

Staurothele clopima (Wahlbg.) Th. Fr.

Zahlbruckner, Cat. Lich. I : 164.

Verrucaria clopima Wahlbg., Stizenberger (1891) no. 1448.
on rocks, near Muizenberg, *MacOwan*.**Verrucaria erodens** Müll-Arg.J. Müller-Arg. (1888) 208 ; Stizenberger (1891) no. 1457 ; Zahlbruckner, Cat.
Lich. I : 39.on non-calcareous rocks, near Lydenburg, *Wilms*.**Verrucaria microlepidea** Zahlbr.

Zahlbruckner (1932) 198.

on schistose rocks, on neck near town, Worcester, *Brunnthaler*, Type.Var. *hilarior* Zahlbr.

Zahlbruckner (1932) 198.

on rocks, Smitswinkel, *v. d. Byl 1001*, Type.**Verrucaria nigrescens** Pers.

Drège (1843) 85 ; Zahlbruckner, Cat. Lich. I : 71.

on rocks, Paarlberg, *Drège*.**Verrucaria rebellans** Zahlbr.

Zahlbruckner (1936) 159.

on silicate rocks, The Heads, Knysna, *v. d. Byl 921*, Type.**Verrucaria viridula** Ach.

Zahlbruckner, Cat. Lich. I : 104.

Pyrenula tessellata Ach., Drège (1843) 80.
on rocks, du Toits Kloof, *Drège*.

DERMATOCARPACEAE.

Dermatocarpon deserti Zahlbr.

Zahlbruckner (1926 b) 468, Cat. Lich. VIII : 69.

on sandstone rocks, in bed of dry stream, Laingsburg, *Brunnthaler*, Type.**Dermatocarpon Finckei** Zahlbr.

Zahlbruckner (1921) 224, (1926 b) 469, Cat. Lich. VIII : 69.

on mica flakes, Haifischinsel, off Lüderitzbucht, *Fincke*, Type.**Dermatocarpon hepaticum** (Lam.) Th. Fr.

Zahlbruckner, Cat. Lich. I : 214.

Endocarpon hepaticum Ach., Crombie (1876 a) 180 ; Stizenberger (1891) no. 1433.
on ground, Cape, *Zeyher* ; Table Mt., *Eaton*.

Dermatocarpon peltatum (Tayl.) Zahlbr.

Zahlbruckner, Cat. Lich. I: 232.

Endocarpon peltatum Taylor (1847) 155; Nylander (1858 b) 16; Stizenberger (1891) no. 1442; Hue (1892) 105.*Endopyrenium peltatum* (Tayl.) Müll. Arg., J. Müller-Arg. (1888) 546.
on ground, nr. Zwartkops River, nr. Uitenhage, Zeyher, Type.**Endocarpon pusillum** Hedw.

Zahlbruckner, Cat. Lich. I: 246; van der Byl (1931) 6.

on sandstone rock, Durban, v. d. Byl 79 (det. A. L. Sm.).

Endocarpon vitellinum Sprengl.

Drège (1843) 52; Zahlbruckner, Cat. Lich. I: 251.

on stones, Witberg, Drège.

Normandina pulchella (Borr.) Nyl.

Nylander (1869 a) 14; Crombie (1876 a) 180; Stizenberger (1891) no. 1426;

Zahlbruckner, Cat. Lich. I: 198.

on old *Physcia* and *Jungermannia*, Durban, Armstrong.amongst mosses, associated with *Sticta crocata* (L.) Ach. and *Pannaria rubiginosa* (Thunb.)
Del., Table Mt., Eaton, MacOwan.

PYRENULACEAE.

Anthracothecium biferum Zahlbr.

Zahlbruckner (1932) 203.

on smooth bark of trees, nr. Grootrivier, Knysna, v. d. Byl 840, Type.

Anthracothecium duplicans (Nyl.) Müll. Arg.

Zahlbruckner, Cat. Lich. I: 460.

on bark, East London, H. A. Wager 7, 748.

Anthracothecium pyrenuloides (Mont.) Müll. Arg.

Zahlbruckner, Cat. Lich. I: 467.

Verrucaria pyrenuloides Nylander (1869 a) 15; Stizenberger (1891) no. 1513*Bottaria pyrenuloides* Trevis., van der Byl (1931) 6.on bark, Durban, Armstrong; on bark of *Calodendron capensis* Thunb., Keurboomsrivier,
v. d. Byl 283 (det. Vain.).**Anthracothecium thelemorphum** (Wain.) Zahlbr.

Zahlbruckner, Cat. Lich. I: 469.

Bottaria thelemorpha Wainio (1901) 452.

on branches of trees in mountains, Serra de Lopollo, Welwitsch 462.

Anthracothecium Thwaitesii (Leight.) Müll. Arg.

Zahlbruckner, Cat. Lich. I: 469.

Bottaria Thwaitesii (Leight.) Vain., van der Byl (1931) 6.

on tree trunk, Woodbush, v. d. Byl 506 (det. Vain.).

Anthracothecium variolosum (Pers. apud Gaudich.) Müll. Arg.

Zahlbruckner, Cat. Lich. I: 469.

Verrucaria variolosa Mont., Stizenberger (1891) no. 1517.
on bark, near Maritzburg, *Rehmann*; near Durban, *Wilms*.**Arthopyrenia alboatra** (Krempelh.) Müll. Arg.

J. Müller- Arg. (1883) 306; Zahlbruckner, Cat. Lich. I: 318.

Verrucaria alboatra Krempelh., van der Byl (1931) 6.on bark of *Celtis Kraussiana* Bernh., Durban, v. d. *Byl* 169 (det. Vain.); on *Chaetacme aris-*
tata Planch., Bot. Gard., Durban, v. d. *Byl* 73 pr. p., (det. A. L. Sm.); on *Xylotheca*
Kraussiana Hochst., Durban, v. d. *Byl* 172 (det. Vain.); on trunk of tree undet., Stella
Bush, v. d. *Byl* 177 (det. Vain.).**Arthopyrenia capensis** Zahlbr.

Zahlbruckner (1921) 224, (1926 b) 470, Cat. Lich. VIII: 83.

on hard rocks, near high tide level, Camps Bay, *Brunnthaler*, Type.**Arthopyrenia Cinchonae** (Ach.) Müll. Arg.

J. Müller- Arg. (1883) 287; Zahlbruckner, Cat. Lich. I: 302.

Verrucaria Cinchonae Acharius (1814) 90; Stizenberger (1891) no. 1545.on bark, Cape, *Drège*; Transvaal, *Wilms*.Var. *fumida* (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. I: 303.

Verrucaria Cinchonae Ach. var. *fumida* Stizenberger (1891) 216, no. 1545.
on bark, Table Mt., *MacOwan*, Type.**Arthopyrenia fallax** (Nyl.) Arn.

Zahlbruckner, Cat. Lich. I: 304.

Verrucaria fallax Nyl., Stizenberger (1891) no. 1547.
on bark of trees, Table Mt., *Wilms*.**Arthopyrenia knysnana** Zahlbr.

Zahlbruckner (1932) 200.

on bark of *Acacia melanoxylon* R. Br., nr. Knysna, v. d. *Byl* 916.**Arthopyrenia (?) leucanthes** Zahlbr.

Zahlbruckner, Cat. Lich. I: 324.

Verrucaria leucanthes Stirton (1877) 220.
on bark, Boschberg, *MacOwan*, Type.**Arthopyrenia norata** Massal.

Massalongo (1861) 90; Zahlbruckner, Cat. Lich. I: 285.

on branches of trees, Cape, *Wawra*, Type.**Arthopyrenia paraphysata** Zahlbr.

Zahlbruckner (1932) 200.

on bark of *Podocarpus* sp., Grootrivier, Knysna, v. d. *Byl* 900, Type.**Arthopyrenia pruinoso-grisea** (Knight) Müll. Arg.

van der Byl (1931) 6; Zahlbruckner, Cat. Lich. I: 311.

on trunk of *Chaetachme aristata* Planch., Stella Bush, v. d. *Byl* 63 (det. A. L. Sm.).

Arthopyrenia recepta Müll. Arg.

J. Müller-Arg. (1883) 306 ; Zahlbruckner, Cat. Lich. I : 325.

Sagedia alboatra Müll. Arg., J. Müller-Arg. (1880 a) 42 (Exclus. synom.).

Verrucaria albo-utra Krempelh. var. *recepta* Stizenberger (1891) 211. no. 1492.
on dead and half decayed bark of palms, near Durban, *Wilms*.

Arthopyrenia simulans Müll. Arg.

J. Müller-Arg. (1887 a) 79 ; Zahlbruckner, Cat. Lich. I : 311.

Verrucaria simulans Stizenberger (1891) 217, no. 1551.
on bark, nr. Lydenburg, *Wilms*.

Clathroporina (?) *locuples* (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. I : 418.

Verrucaria locuples Stizenberger (1891) 210, no. 1485.
on bark of a tree of the family Malvaceae, near Durban, *Wilms*.

Microthelia confluens Müll. Arg.

J. Müller-Arg. (1885) 333 ; Zahlbruckner, Cat. Lich. I : 258.

Verrucaria conflua Stizenberger (1891) 217, no. 1555.
on bark, Cape.

Microthelia macrocarpoides Zahlbr.

Zahlbruckner (1932) 199.

on smooth bark of *Olea* sp., The Heads, Knysna, v. d. *Byl* 661, Type.

Microthelia micula Körb.

van der Byl (1931) 6 ; Zahlbruckner, Cat. Lich. I : 261.

on *Euphorbia pulcherrima* Willd., Berea, Durban v. d. *Byl* 4 (det. A. L. Sm.).

Microthelia uniserialis Zahlbr.

Zahlbruckner, (1932) 199.

on smooth bark, Garden of Eden, Knysna, v. d. *Byl* 869, Type.

Polyblastiopsis alba (Müll. Arg.) Zahlbr.

Zahlbruckner, Cat. Lich. I : 347.

Polyblastia alba Müll. Arg., J. Müller-Arg. (1886) 318.

Verrucaria alba (Müll. Arg.) Stizenberger (1891) 209, no. 1475.
on bark, nr. Lydenburg, *Wilms* (Lojka Lichenoth. Univ. 99), Type.

Polyblastiopsis transvaalensis (Müll. Arg.) Zahlbr.

Zahlbruckner, Cat. Lich. I : 353.

Polyblastia transvaalensis Müll. Arg., J. Müller-Arg. (1887) 79.

Verrucaria transvaalensis Stizenberger (1891) 209, no. 1476.
on bark, nr. Lydenburg, *Wilms*, Type.

Porina albella Müll. Arg.

J. Müller-Arg. (1887) 78 ; Zahlbruckner, Cat. Lich. I : 364.

Verrucaria albella Stizenberger (1891) 216, no. 1544.
on branches, near Lydenburg, *Wilms*.

Porina euryspermum Zahlbr.

Zahlbruckner, Cat. Lich. I : 380.

Verrucaria eurysperma Stizenberger (1891) 210, no. 1480.on quartzite rocks, associated with *Caloplaca ferruginea* Th. Fr., near Muizenberg, *MavOwan*.**Porina ferruginosa** Müll. Arg.

J. Müller-Arg. (1886) 317 ; Zahlbruckner, Cat. Lich. I : 381.

Verrucaria ferruginosa Stizenberger (1891) 212, no. 1504.on bark, nr. Lydenburg, *Wilms* (Lojka Lichenoth. univ. 98) Type.**Porina knysnana** Zahlbr.

Zahlbruckner (1932) 201 ; van der Byl (1931) 6.

on quartzite rocks, Knoetze, Knysna, v. d. *Byl* 637, Type.**Porina Tetracerae** (Afz.) Müll. Arg.

Zahlbruckner, Cat. Lich. I : 407.

Verrucaria Tetracerae Afz., Nylander (1869 a) 15 ; Stizenberger (1891) no. 1502.on bark, Durban, *Armstrong*.**Porina variegata** Fée.

Zahlbruckner, Cat. Lich. I : 409.

Verrucaria dissipans Nylander (1869 a) 15 ; Stizenberger (1891) no. 1503.? as *Porina dissipans* Nyl., v. d. *Byl* (1931) 6.on bark, Durban, *Armstrong* ; ? on tree trunk, Stella Bush, v. d. *Byl* 66 (det. A. L. Sm).**Pseudopyrenula papulosa** (Nyl.) Müll. Arg.

J. Müller-Arg. (1883) 248 ; Zahlbruckner, Cat. Lich. I : 357.

Verrucaria papulosa Nyl., Stizenberger (1891) no. 1539.on bark of a tree of the family Malvaceae, near. Durban, *Wilms*.**Pyrenula aspistea** (Afz.) Ach.

Zahlbruckner (1932) 201, Cat. Lich. I : 423.

Verrucaria aspistea Afz., Nylander (1869 a) 15 ; Stizenberger (1891) no. 1527.on bark, Durban, *Armstrong* ; Hoofbos, Knysna, v. d. *Byl* 883 ; Grootrivier, Knysna, v. d. *Byl* 835.**Pyrenula cerina** Eschw. f. *expallens* Zahlbr.

Zahlbruckner (1932) 201.

on bark, Palm Kloof, Victoria Falls, *Brunnthaler*, Type.**Pyrenula cinerea** Zahlbr.

Zahlbruckner (1932) 202.

on bark of *Ocotea bullata* E. Mey., Garden of Eden, Knysna, v. d. *Byl* 867, Type.**Pyrenula emergens** (Müll. Arg.) Vain.

van der Byl (1931) 7 (not in Zahlbr. Cat. Lich.).

on tree trunk, Woodbush, v. d. *Byl* 523, (det. Vain.).**Pyrenula Knightiana** Müll. Arg.

Zahlbruckner, Cat. Lich. I : 433 ; van der Byl (1931) 6.

on tree trunk, Stella Bush, v. d. *Byl* 65 *pr. p.* (det. A. L. Sm.).

Pyrenula laevigata (Pers.) Arn. var. **incusa** (Flotow) Zahlbr.

Zahlbruckner, Cat. Lich. I : 436.

Verrucaria glabrata Ach. var. *incusa* Flotow (1843) 22 ; Krauss (1846) 200.
Cape of Good Hope, without locality, *Krauss*, Type.**Pyrenula mamillana** (Ach.) Trevis.

Zahlbruckner, Cat. Lich. I : 436.

Verrucaria santensis Nyl., Stizenberger (1891) no. 1523.
on bark, Boschberg, *MacOwan*.**Pyrenula marginata** Hook.

Zahlbruckner, Cat. Lich. I : 438 ; van der Byl (1931) 6.

on trunk of *Albizzia gummifera* (Gmel.) C.A.Sm., Winkle Spruit, v. d. *Byl* 55 (det. A.L.Sm.) ;
on tree trunk, Stella Bush, v. d. *Byl* 115 (det. Merrill).**Pyrenula mastophora** (Nyl.) Müll. Arg.

Zahlbruckner, Cat. Lich. I : 438 ; van der Byl (1931) 6.

on tree trunk, Woodbush, v. d. *Byl* 482 (det. Vain.).**Pyrenula nitida** (Schrad.) Ach.

Zahlbruckner, Cat. Lich. I : 441.

Verrucaria nitida Schrad., Nylander (1869 a) 15 ; Stizenberger (1891) no. 1531.
on bark, Durban, *Armstrong*.**Pyrenula nitidella** (Floerke) Müll. Arg.

Zahlbruckner (1932) 201, Cat. Lich. 1 : 455 ; van der Byl (1931) 6.

Verrucaria nitida Ach. var. *nitidella* Floerke, v. Flotow (1843) 22 ; Krauss (1846) 200 ;
Stizenberger (1891) no. 1531.
on bark, Cape, without locality, *Krauss* ; Transvaal, *Wilms* ; Conney Glen, Knysna,
v. d. *Byl* 660 ; on branches of *Gymnosporia* sp., The Heads, Knysna, v. d. *Byl* 934 ;
on *Xylothea Kraussiana* Hochst., Durban, v. d. *Byl* 175 (det. Vain.).**Pyrenula obtecta** Merrill

van der Byl (1931) 6, nom nud.

on trunk of *Strychnos* sp., Bot. Gard., Durban, v. d. *Byl* 112 (det. Merrill).**Pyrenula pleiomeriza** (Nyl.) Zahlbr.

Zahlbruckner, Cat. Lich. I : 450.

Verrucaria pleiomeriza Nylander (1895) 105.
on bark, Moçambique.**Pyrenula subducta** (Nyl.) Müll. Arg.

Zahlbruckner, Cat. Lich. I : 453.

Verrucaria subducta Nylander (1869 a) 15 ; Stizenberger (1891) no. 1529.
on bark, Durban, *Armstrong*.**Pyrenula subglabriuscula** Vain. var. **natalensis** Vain.van der Byl (1931) 6 (? Variety undescribed : for species, see Zahlbruckner, Cat.
Lich. VIII : 120.)on tree trunk, Stella Bush, v. d. *Byl* 179 (det. Vain.)

Pyrenula transparens Zahlbr.

Zahlbruckner (1932) 202.

on smooth bark, Hoofbos, Knysna, *v. d. Byl* 880, Type.**Pyrenula Wilmsiana** Müll. Arg.

J. Müller-Arg. (1887) 70 ; Zahlbruckner, Cat. Lich. I : 456.

Verrucaria Wilmsiana Stizenberger (1891) 214, no. 1526.on bark, nr Lydenburg, *Wilms*.

TRYPETHELIACEAE.

Melanotheca oculea Stiz.

Stizenberger (1891) 219, no. 1566 ; Zahlbruckner, Cat. Lich. I : 482.

on bark of a tree of the family Malvaceae, near Durban, *Wilms*.**Tomasellia africana** Zahlbr.

Zahlbruckner (1932) 203.

on decorticated wood, Knysna, *v. d. Byl* 749, Type.**Trypethelium austro-africanum** Zahlbr.

Zahlbruckner (1932) 205.

on bark of *Podocarpus* sp., near Knysna, *v. d. Byl* 918, Type.**Trypethelium eluteriae** Spreng.

J. Müller-Arg. (1893 b) 299 ; Schinz (1905) 396 ; Zahlbruckner, Cat. Lich. I : 490.

Trypethelium Sprengelii Ach., Stizenberger (1891 & 1895) no. 1572.on bark, near Lydenburg, *Wilms* ; near Boroma, *Menyharth* 470.**Trypethelium Phlyctaena** Fée

Zahlbruckner, Cat. Lich. I : 498.

Trypethelium bicolor Taylor (1847) 157.on bark, Howieson's Poort, near Grahamstown, *Zeyher* (Herb. Hook.).

PARATHELIACEAE.

Pleurotrema trichosporum Müll. Arg.

J. Müller-Arg. (1887 a) 78 ; Zahlbruckner, Cat. Lich. I : 510.

Parathelium trichosporum Stizenberger (1891) 217, No. 1555.*Trichotrema trichosporum* Clements (1909) 173 ; Clements & Shear (1931) 289.on bark, Lydenburg, *Wilms*.

ASTROTHELIACEAE.

Parmentaria capensis Zahlbr.

Zahlbruckner (1932) 205 ; van der Byl (1931) 6.

on bark of trees undet., Knoetze, Knysna, *v. d. Byl* 674, Type ; Kidd's Beach, *Schaefer*, 1748.

STRIGULACEAE.

Strigula actinoplacoides Vain.

Vainio (1926) 32 ; van der Byl (1931) 6 ; Zahlbruckner, Cat. Lich. VIII : 602.

on leaves of evergreen tree, near Barberton, *Thorncroft* (*v. d. Byl* 333), Type.

Strigula africana Wain.

Wainio (1901) 537 ; Zahlbruckner, Cat. Lich. I : 537, VIII : 143.

Var. *natalensis* Vain (? nom. nud.) van der Byl (1931) 6.
 on leaves of *Cryptocarya* sp., Howick, v. d. *Byl* 214.

Strigula argyronema Müll. Arg.

Zahlbruckner, Cat. Lich. I : 537.

Strigula nemathora Mont., in Herb. van der Byl.
 on leaves, Barberton, *Thorncroft* (v. d. *Byl* 233, det. Vain.).

Strigula complanata (Fée) Nyl.

Nylander (1858 b) 65 ; Stizenberger (1891) No. 1562 ; Zahlbruckner, Cat. Lich. I : 537.

on living leaves of tree, Cape, *Gueinzius*, *MacOwan* ; on leaves of *Scutia myrtina* (Burm.) Kurz., Durban, *Medley Wood* (Herb. Kalchbr.) ; on leaves of *Magnolia grandiflora* L., without locality, *MacOwan* (Herb. Kalchbr.) ; on *Schmidelia* sp., Kentani, *Pegler* 2419, (S.A.M. 46952).

Var. *virescens* (Kunze) Nyl.

Zahlbruckner, Cat. Lich. I : 538.

Strigula virescens (Kunze) Trevis., Stizenberger (1891) 218, No. 1563.
 on leaves of *Thea sinensis* var. *viridis* Pierre and other plants, Natal, *Medley Wood* (Herb. Kalchbr. as *MacOwan* 4) ; Inanda, *Medley Wood*, (*MacOwan* 12, in Herb. Kalchbr.).

Strigula elegans (Fée) Müll. Arg.

van der Byl (1931) 6 ; Zahlbruckner, Cat. Lich. I : 538.

on leaves of *Chaetachme aristata* Planch., Maritzburg, v. d. *Byl* 60 (det. A.L.Sm.) ; *Cola natalensis* Oliv., Bluff, Durban, v. d. *Byl* 38 (det. A.L.Sm.) ; *Persea americana* Mill., Berea, Durban, v. d. *Byl* 30 (det. A.L.Sm.) ; on leaves of tree undet., Durban, v. d. *Byl* 61 (det. A.L.Sm.).

Strigula (?) *pallida* Kalchbr.

in Herb. Lojka ; Stizenberger (1891) No. 1564.

on leaves of *Cynodon* sp., Cape, *MacOwan* 1329 ('*Hymenium vetustate depravatum*' Nyl in litt.; Herb., Kalchbr.).

PYRENIDIACEAE.

Placothelium staurothelioides Müll. Arg.

J. Müller-Arg. (1893 b) 299 ; Zahlbruckner, Cat. Lich. I : 544 ; Stizenberger (1895) No. 1447bis ; Schinz (1905) 396.

on non-calcareous rocks, near Boroma, *Menyharth*.

MYCOPORACEAE.

Dermatina pyrenocarpa (Nyl.) Zahlbr.

Zahlbruckner, Cat. Lich. I : 550.

Mycoporum pycnocarpum Nyl., J. Müller-Arg. (1893 b) 299, (1894) 290 ; Stizenberger (1895) No. 1589bis ; Schinz (1905) 396.
 on bark, near Boroma, *Menyharth*.

Mycoporellum Lahmii Müll. Arg.

J. Müller-Arg. (1887 a) 78 ; Zahlbruckner, Cat. Lich. I : 555.

Mycoporum Lahmii Stizenberger (1891) 221, No. 1592.

Chlorodothis Lahmii Clements (1909) 173 ; Clements & Shear (1931) 296.
on bark, near Lydenburg, *Wilms*.

GYMNOCARPEAE.

CALICIACEAE.

Sphinctrina fuscescens Nyl.

Nylander (1860 a) 143 ; Lindsay (1869) 145 ; Hue (1890) 238 ; Stizenberger (1890)

No. 87 ; Zahlbruckner, Cat. Lich. I : 654.

on thallus of *Pertusaria* sp., Cape of Good Hope, *Drège* (ex Herb. Sonder).

Sphinctrina gelasinata (Wither) Zahlbr.

Zahlbruckner, Cat. Lich. I : 654.

Calicium turbinatum Pers., *Drège* (1843) 141.

Sphinctrina turbinata deNot., Stizenberger (1895) No. 85.

on ? thallus of *Pertusaria* sp., Cape.

Sphinctrina meridionalis Stizenb.

Stizenberger (1890) 124, No. 86 ; Zahlbruckner, Cat. Lich. I : 657.

on thallus of *Lecidea crassa* Stizenb., Hottentots' Holland Mts., near Sir Lowry Pass,
MacOwan Type.

Sphinctrina microcephala (J.E.Sm.) Nyl.

Stizenberger (1890 & 1895) No. 88 ; Zahlbruckner (1926 b) 475, (1932) 206, Cat.
Lich. I : 658.

on the thallus of a *Pertusaria* sp., Zwartkops, near Port Elizabeth, *Brunnthaler* ; Brenton,
Knysna, v. d. Byl 678 ; Transvaal, *Wilms*.

CYPHELIACEAE.

Tylophoron Africanum Vain.

Vainio (1926) 30 ; van der Byl (1931) 6 ; Zahlbruckner, Cat. Lich. VIII : 603.

on bark of *Thespesia* sp., Eshowe, *v. d. Byl 187*, Type.

Tylophoron Bylii Merrill.

van der Byl (1931) 7, nom. nud.

on trunk of *Erythrina caffra* Thunb., Stella Bush, *v. d. Byl 119* (det. Merrill).

SPHAEROPHORACEAE.

Sphaerophorus melanocarpus (Sw.) DC.

Zahlbruckner, Cat. Lich. I : 693.

Lichen fragilis Wither., Thunberg (1800) 180, (1823) 750, non Linn.

Sphaerophoron compressum Ach., Stizenberger (1890) No. 89 ; Nylander (1860 a) 170.
on rocks and amongst moss, Cape, *Thunberg*.

ARTHONIACEAE.

Allarthothelium minimum Vain.

Vainio (1926) 29 ; van der Byl (1931) 7 ; Zahlbruckner, Cat. Lich. VIII : 603.
on bark of tree, Onrust, *v. d. Byl 319*, Type.

Arthonia angulata Fée

Zahlbruckner (1926 b) 476, Cat. Lich. II : 9.
on branches of tree undet., Baakens River Valley, Port Elizabeth, *Brunnthaler*.

Arthonia angulosa Müll. Arg.

J. Müller-Arg. (1887 a) 75 ; Willey (1890) 13 ; Stizenberger (1891) No. 1356 ;
Zahlbruckner, Cat. Lich. II : 9.
on bark, nr. Lydenburg, *Wilms*, Type.

Arthonia antillarum Nyl.

Stizenberger (1895) No. 1348 ; Zahlbruckner, Cat. Lich. II : 9.
on bark, Zambesi River.

Arthonia calospora Müll. Arg.

Stizenberger (1891) 199, No. 1384 ; van der Byl (1931) 7 ; Zahlbruckner Cat.
Lich. II : 17.
on branches of tree undet., Durban, *Wilms* ; on trunk of *Gymnosporia* sp., Durban, *v. d. Byl 139* (det. Vain.).

Arthonia cinnabarina (DC.) Wallr.

Zahlbruckner, Cat. Lich. II : 21.
Arthonia gregaria Korb., van der Byl (1931) 7.
on trunk of *Chaetacme aristata* Planch., Bot. Gard., Durban, *v. d. Byl 73 pr.p.* (det. A.L.Sm.).

Arthonia circumscissa Merrill.

van der Byl (1931) 7, (nom. nud.) not Wain.
on trunk of *Strychnos* sp., Bot. Gard., Durban, *v. d. Byl 114* (det. Merrill).

Arthonia dispersa (Schrad.) Nyl.

J. Müller-Arg. (1893 b) 299 ; Stizenberger (1895) No. 1364*bis* ; Schinz (1905) 396 ;
Zahlbruckner, Cat. Lich. II : 39.
on bark, near Boroma, *Menyharth 491*.

Arthonia hormidiella Stirt.

Stirton (1877) 219 ; Zahlbruckner, Cat. Lich. II : 53.
on bark, Boschberg, *MacOwan*, Type.

Arthonia lecideicarpa Zahlbr.

Zahlbruckner (1932) 207.
on bark of trees, Hoofbos, Knysna, *v. d. Byl 886*, Type.

Arthonia nana Stizenb.

Stizenberger (1891) 195, No. 1347 ; Zahlbruckner, Cat. Lich. II : 70.
on woody parts of *Phoenix dactylifera* Linn., in bush near Durban, *Wilms*, Type.

Arthonia oblongula Müll. Arg.

Stizenberger (1891) No. 1378 ; Zahlbruckner, Cat. Lich. II : 71.
on bark, near Lydenburg, *Wilms*.

Arthonia palmicola Ach.

van der Byl (1931) 7 ; Zahlbruckner, Cat. Lich. II : 72.
on trunk of *Eucalyptus* sp., Mossel Bay, *v. d. Byl* 375 (det. Vain.).

Arthonia platygraphidea Nyl.

Wainio (1901) 447 ; Zahlbruckner, Cat. Lich. II : 75.
on branches of trees in mountains, Serra de Lopollo, *Welwitsch* 462 *pr. p.*

Arthonia polymorpha Ach.

Stizenberger (1895) No. 1373 ; Zahlbruckner, Cat. Lich. II : 76.
on bark, Transvaal.

Arthonia propinqua Nyl.

Stizenberger (1891) No. 1374 ; Zahlbruckner, Cat. Lich. II : 78.
on bark, Table Mt., *MacOwan*.

Arthonia pyrenuloides Müll. Arg.

J. Müller-Arg. (1887 a) 75 ; Willey (1890) 39 ; Stizenberger (1891) No. 1371 ;
(1890) 39 ; Zahlbruckner, Cat. Lich. II : 83.
on bark, near Lydenburg, *Wilms*, Type.

Arthonia rubrofuscescens Vain.

Vainio (1926) 29 ; van der Byl (1931) 7 ; Zahlbruckner, Cat. Lich. VIII : 603.
on bark of tree, Durban, *v. d. Byl* 181, Type ; on *Celtis Kraussiana* Bernh., Durban, *v. d. Byl*
170 (det. Vain.).

Arthonia variabilis Müll. Arg.

J. Müller-Arg. (1887 a) 75 ; Willey (1890) 13 ; Stizenberger (1891) No. 1355 ;
Zahlbruckner, Cat. Lich. II : 106.
on bark, near Lydenburg, *Wilms*, Type.

Arthonia Wilmsiana Müll. Arg.

J. Müller-Arg. (1886) 315 ; Willey (1890) 7 ; Stizenberger (1891) No. 1350 ;
Zahlbruckner, Cat. Lich. II : 106.
on bark, near Lydenburg, *Wilms*, Type.

Arthothelium abnorme (Ach.) Müll. Arg.

van der Byl (1931) 7 ; Zahlbruckner, Cat. Lich. II : 118.
on bark of *Eriobotrya japonica* Lindl., Stellenbosch, *v. d. Byl* 350 (det. Vain.) ; on *Punica*
granatum Linn., Hopefield, *v. d. Byl* 396 (det. Vain.).

Arthothelium albidum Müll. Arg.

J. Müller-Arg. (1887 a) 76 ; Zahlbruckner, Cat. Lich. II : 119.
Arthonia albida Willey (1890) 56 ; Stizenberger (1891) 201, No. 1398.
on bark, near Lydenburg, *Wilms*, Type, (*Lojka*, Lichenoth. univ. 243).

Arthothelium album Zahlbr.

Zahlbruckner (1932) 207 ; van der Byl (1931) 7.
on bark, Knoetze, Knysna, *v. d. Byl 671*, Type.

Arthothelium argenteum (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. II : 121.
Arthonia argentea Stizenberger (1891) 199, No. 1388.
on bark, Table Mt., Wilms, Type.

Arthothelium consanguineum Müll. Arg.

J. Müller-Arg. (1888) 207 ; Zahlbruckner, Cat. Lich. II : 123.
Arthonia consanguinea Willey (1890) 56 ; Stizenberger (1891) 200, No. 1393.
on bark, Table Mt., Wilms, Type.

Arthothelium fusco-nigrum (Nyl.) Müll. Arg.

Zahlbruckner, Cat. Lich. II : 126.
Arthonia fusco-nigra Nyl., Stizenberger (1891) No. 1392.
on bark, Cape.

Arthothelium melanopsis (Stirt.) Zahlbr.

Zahlbruckner, Cat. Lich. II : 129.
Arthonia melanopsis Stirton (1877) 219.
on bark, Boschberg, Macowan, Type

Arthothelium michylum Vain.

Vainio (1926) 28 ; van der Byl (1931) 7 ; Zahlbruckner, Cat. Lich. VIII : 603.
on bark of *Quercus* sp., Elsenburg, *v. d. Byl 245*, Type.

Arthothelium obvelatum Müll. Arg.

J. Müller-Arg. (1887 a) 76 ; Zahlbruckner, Cat. Lich. II : 130.
Arthonia obvelata Willey (1890) 56 ; Stizenberger (1891) 200, No. 1395.
on bark, near Lydenburg, Wilms, Type.

Arthothelium phaeosporum Zahlbr.

Zahlbruckner (1936) 160.
on bark of *Ocotea bullata* E. Mey., Grootrivier, Knysna, *v. d. Byl 837*.

Arthothelium psyllodes Zahlbr.

Zahlbruckner (1936) 161.
on bark, Garies, *v. d. Byl 1181*, Type.

Var. **precursum** Zahlbr.

Zahlbruckner (1936) 161.
on *Aloe dichotoma* Linn., f., Garies, *v. d. Byl 1180*, Type.

Arthothelium violascens (Flotow) Zahlbr.

Zahlbruckner, Cat. Lich. II : 137.
Arthonia violascens Flotow (1843) 23 ; Krauss (1846) 199 ; Hue (1891) 183 ; Stizenberger (1891) No. 1387.
on bark of trees, in woods near Constantia, Krauss.

CRYPTOTHECIACEAE.

Cryptothecia subnidulans Stirt.

A. L. Smith (1926) 189 ; van der Byl (1931) 7 ; Zahlbruckner, Cat. Lich. II : 143, VIII : 148.

on bark of *Albizzia gummifera* (Gmel.) C. A. Sm., Berea, *v. d. Byl* ; on bark of *Chaetacme aristata* Planch., Winkle Spruit, *v. d. Byl 56* (det. A. L. Sm.).

GRAPHIDACEAE.

Graphina Acharii (Fée) Müll. Arg.

Steiner (1907) 646 ; Zahlbruckner (1932) 211, Cat. Lich. II : 391.

Graphis Acharii Fée, Stizenberg (1891) No. 1236 ; Nylander (1869 a) 14.

on bark, Durban, *Armstrong* ; Mt. Mamotsuiri, *Junod 994* ; on trunks of trees, Woodbush, *v. d. Byl 524*.

Graphina analoga (Nyl.) Zahlbr.

Zahlbruckner, Cat. Lich. II : 395.

Graphis analoga Nylander (1869 a) 14.

Graphis analoga f. *tetraspora* (Nyl.) Stizenberger (1891) No. 1233.
on bark, Durban, *Armstrong*.

Graphina atrofusca Müll. Arg.

J. Müller-Arg. (1887a) 74 ; Zahlbruckner, Cat. Lich. II : 398,

Graphis atrofusca Stizenberger (1891) 186, No. 1255.

on bark, near Lydenburg, *Wilms*.

Graphina Bylii (Vain.) Zahlbr.

Zahlbruckner, Cat. Lich. VIII : 604.

Graphis Bylii Vainio (1926) 27.

on bark of *Ocotea bullata* E. Mey., Knysna, *v. d. Byl 265*, Type.

Var. *lividula* (Vain.) Zahlbr.

Zahlbruckner, Cat. Lich. VIII : 604 (as var. *livida*).

Graphis Bylii var. *lividula* Vainio (1926) 28 ; van der Byl (1931) 7.

on bark of *Ficus elastica* Roxb., Knysna, *v. d. Byl 277*, Type ; *v. d. Byl 275*, det. Vain

Graphina obtrita (Fée) Müll. Arg.

Zahlbruckner, Cat. Lich. II : 416.

Lecanactis diversa Nyl., Stizenberger (1891) No. 1279.

on bark of a tree of the family Malvaceae, near Durban, *Wilms*.

Graphina pergracilis Zahlbr.

Zahlbruckner (1932) 210.

on bark of *Acacia melanoxylon* R. Br., Knysna, *v. d. Byl 912*, Type.

Graphina platycarpa (Eschw.) Zahlbr.

Zahlbruckner, Cat. Lich. II : 418.

Graphis sophistica Nyl., Stizenberger (1891) No. 1229.

Graphina sophistica (Nyl.) Müll. Arg., van der Byl (1931) 7.

on bark, near Lydenburg, *Wilms* (Lojka, Lichenoth. univ. 90) ; on trunk of *Ailanthus altissima* Sw., Bot. Gard., Durban, *v. d. Byl 13* (det. A. L. Sm.) ; on trunk of *Pandanus variegatus* Miq., Bot. Gard., Durban, *v. d. Byl 12*, (det. A. L. Sm.).

Graphina polycarpa Müll. Arg.

J. Müller-Arg. (1887 a) 63 ; Zahlbruckner, Cat. Lich. II : 420.

Graphis polycarpa Stizenberger (1891) 184, No. 1227.

on bark, Lydenburg, *Wilms*, Type.

Graphis denudans Vain.

Vainio (1926) 28 ; van der Byl (1931) 7 ; Zahlbruckner, Cat. Lich. VIII : 603.

on bark of tree, near Durban, *v. d. Byl 126*, Type.

Graphis devestiens Nyl.

apud Stizenberger (1891) 183, No- 1222 ; Hue (1891) 151 ; Zahlbruckner, Cat. 302. Lich. II :

on bark of tree of the family Malvaceae, near Durban, *Wilms*, Type.

Graphis diaphoroides Müll. Arg.

J. Müller-Arg. (1886) 312 ; Steiner (1897) 229 ; Stizenberger (1891) No. 1217 ; Zahlbruckner, Cat. Lich. II : 302.

on bark, near Lydenburg, *Wilms* (Lojka, Lichenoth, univ. 91).

Graphis intexta Nyl.

Nylander (1869 a) 14 ; Hue (1891) 160 ; Stizenberger (1891) No. 1223 ; Zahlbruckner, Cat. Lich. II : 313.

on bark, Durban, *Armstrong*, Type.

Graphis intricata Fée

Stizenberger (1891) No. 1226 ; Zahlbruckner (1932) 210, Cat. Lich. II : 313.

on bark, near Durban, *Wilms* ; on bark of *Canthium* sp., Brenton, Knysna, *v. d. Byl 653*.

Graphis scripta (Linn.) Ach.

Acharius (1810) 265 ; Stizenberger (1891) No. 1221 ; van der Byl (1931) 7 ; Zahlbruckner, Cat. Lich. II : 324.

Lichen scriptus Linn., Thunberg (1800) 176, (1823) 742.

Opegrapha scripta Ach., Thunberg (1823) 742 ; v. Flotow (1843) 18 ; Krauss (1846) 200.

on bark, South Africa, without locality, *Thunberg*, *MacOwan*, *Breutel* ; nr. Constantia, *Krauss* ; on trunk of *Gymnosporia* sp., Durban, *v. d. Byl 137* (det. Vain.) ; on trunk of *Pandanus* sp., Durban., *v. d. Byl 8* (det. A. L. Sm.) ; on trunk of tree undet., Pinetown, *v. d. Byl 174* (det. Vain.) ; Stella Bush, *v. d. Byl 178* (det. Vain.) ; Eshowe, *v. d. Byl 193* (det. Vain.).

Graphis striatula (Ach.) Spreng.

Nylander (1869 a) 13 ; Stizenberger (1891) No. 1241 ; Zahlbruckner, Cat. Lich. II : 354.

on bark, Durban, *Armstrong*.

Graphis subolivacea Zahlbr.

Zahlbruckner (1926 b) 479, Cat. Lich. VIII : 207.

on bark, Skeleton Ravine, Table Mt., *Brunnthaler*, Type.

Helminthocarpon natalense Vain.

Vainio (1926) 27 ; van der Byl (1931) 7 ; Zahlbruckner, Cat. Lich. VIII : 604.
on bark of tree, near Durban, *v. d. Byl 182*, Type.

Lithographa cerealis Stizenb.

Stizenberger (1891) 182, No. 1212 ; Zahlbruckner, Cat. Lich. II : 146.
on rocks, in Warm Bokkeveld Mts., near Ceres, *Andr. Smith*, Type.

Lithographa fumida Nyl.

Stizenberger (1891) 182, No. 1211 ; Hue (1891) 149 ; Zahlbruckner, Cat. Lich. II :
149.
on rocks, Table Mt., *MacOwan* (ass. *Siphula tabularis*) Type.

Melaspilea gemella Nyl.

Stizenberger (1891) No. 1404 ; Zahlbruckner, Cat. Lich. II : 275.
on bark of a tree of the family Malvaceae, near Durban, *Wilms*.

Opegrapha adpicta Zahlbr.

Zahlbruckner (1932) 209 ; van der Byl (1931) 7.
on quartz rocks, Conney Glen, Knysna, *v. d. Byl 631*, Type.

Opegrapha agelaea Fée

Stizenberger (1891) No. 1308 ; Zahlbruckner, Cat. Lich. II : 165.
parasitic on the thallus of other lichens, Cape, without locality.

Opegrapha atra Pers.

von Flotow (1843) 23 ; Krauss (1846) 199 ; van der Byl (1931) 7 ; Zahlbruckner,
Cat. Lich. II : 167.
on trunk of *Albizzia gummifera* (Gmel.) C. A. Sm., Winkle Spruit, *v. d. Byl 51*, (det. A. L.
Sm.); on old trees, near Constantia, *Krauss*.

Opegrapha bacillosa Zahlbr.

Zahlbruckner (1936) 163.
on silicate rocks, The Heads, Knysna, *v. d. Byl 920, 922*, Type.

Opegrapha Bonplandi Fée

Zahlbruckner (1932) 208, Cat. Lich. II : 178.
on bark, Knoetze, Knysna, *v. d. Byl 669, 672*.

Opegrapha capensis Müll. Arg.

J. Müller-Arg. (1888) 207 ; Stizenberger (1891) No. 1310 ; Zahlbruckner, Cat.
Lich. II : 181.
on smooth bark, Table Mt., ; on stem of *Phoenix dactilifera* Linn., near Durban, *Wilms*.

Opegrapha diagraphoides Nyl.

Nylander (1869 a) 13 ; Hue (1891) 169 ; Stizenberger (1891) No. 1288 ; Zahl-
bruckner, Cat. Lich. II : 188.
on bark, Durban, *Armstrong*, Type.

Opegrapha diaphorella Stizenb.

Stizenberger (1891) 190, No. 1294 ; Zahlbruckner, Cat. Lich. II : 195.
on sandstone rocks, near Muizenberg, *MacOwan*, Type.

Opegrapha exiguella Zahlbr.

Zahlbruckner (1936) 162.
on bark of *Gymnosporia* sp., The Heads, Knysna, *v. d. Byl* 933, Type.

Opegrapha exornata Zahlbr.

Zahlbruckner (1921) 226, (1926 b) 476, Cat. Lich. II : 198, VIII : 192.
on limestone, in the neighbourhood of Windhoek, *Fincke*, Type.

Opegrapha interalbata Nyl.

Nylander (1869 a) 13 ; Hue (1891) 171 ; Stizenberger (1891) No. 1289 ; Zahl-
bruckner, Cat. Lich. II : 211.
on bark, Durban, *Armstrong*.

Opegrapha lactifera Zahlbr.

Zahlbruckner (1936) 161.
on bar' of *Podocarpus* sp., Grootrivier, Knysna, *v. d. Byl* 850, Type.

Opegrapha lyncea (J. E. Sm.) Borr.

Zahlbruckner (1932) 208, Cat. Lich. II : 220.
on branches of *Sideroxylon inerme* Linn., Brenton, Knysna, *v. d. Byl* 682.

Opegrapha medusulina Nyl.

Nylander (1895) 104 ; Zahlbruckner, Cat. Lich. II : 223.
on bark, Mozambique.

Opegrapha Menyharthii Müll. Arg.

J. Müller-Arg. (1893 a) 299 ; Stizenberger (1895) No. 1307bis ; Zahlbruckner
Cat. Lich. II : 224.
on bark, near Boroma, *Menyharth* 467, Type.

Opegrapha parvula Nyl.

Crombie (1867 a) 179 ; Hue (1891) 170 ; Stizenberger (1891) No. 1323 ; Zahl-
bruckner, Cat. Lich. II : 228.
on under side of stones, Table Mt., *Eaton*, Type.

Opegrapha prosodea Ach. var. *microcarpella* Zahlbr.

Zahlbruckner (1936) 162.
on bark, Hoofbos, Knysna, *v. d. Byl* 887, Type.

Opegrapha semiatra Müll. Arg.

J. Müller-Arg. (1886) 312 ; Stizenberger (1891) No. 1287 ; Zahlbruckner, Cat.
Lich. II : 246.
on bark, near Lydenburg, *Wilms*, Type (Lojka, Lichenoth. Univ. 93 ; S.A.M. 46940).

Opegrapha signatella Vain.

Vainio (1926) 30 ; van der Byl (1931) 7 ; Zahlbruckner, Cat. Lich. VIII : 603.
on branches of *Royena* sp., Howick, v. d. *Byl* 211, Type.

Opegrapha tapetica Zahlbr.

Zahlbruckner (1932) 209 ; van der Byl (1931) 7.
on quartz rocks, The Heads, Knysna, v. d. *Byl* 641, Type.

Opegrapha Zanei Massal.

Massalongo (1861) 80 ; Stizenberger (1891) No. 1319 ; van der Byl (1931) 7 ;
Zahlbruckner (1932) 208, Cat. Lich. II : 261.
on limestone, Cape, *Wawra*, Type ; on quartz rocks, The Heads, Knysna, v. d. *Byl* 643.

Phaeographina caesiopruinosa (Fée) Müll. Arg.

Zahlbruckner, Cat. Lich. II : 434.
Graphis caesiopruinosa (Fée) Krempelh., Herb. van der Byl.
on tree trunk, Stella Bush, v. d. *Byl* 176 (det. Vain.).

Phaeographina limbata Müll. Arg.

J. Müller-Arg. (1895) 461 ; Zahlbruckner, Cat. Lich. II : 440.
on bark, Cape, *MacOwan*, Type.

Phaeographina subfarinacea (Nyl.) Zahlbr.

Zahlbruckner, Cat. Lich. II : 446.
Graphis subfarinacea Nylander apud Hue (1891) 153 ; Stizenberger (1891) No. 1231.
on bark, Cape, *Drège*, Type.

Phaeographis conjungens Zahlbr.

Zahlbruckner (1932) 211.
on bark, Garden of Eden, Knysna, v. d. *Byl*, 868, Type.

Phaeographis cryptica Zahlbr.

Zahlbruckner (1932) 212.
on bark of *Acacia melanoxylon* R. Br., near Knysna, v. d. *Byl* 913, Type.

Phaeographis inusta (Ach.) Müll. Arg.

Zahlbruckner (1926 b) 479 ; Cat. Lich. II : 374, VIII : 209.
on branches of trees, Baakens River Valley, *Brunnthaler*.

(? Var. *emergens* Vain.)

Graphis inusta var. *emergens* Vain., van der Byl (1931) 7, nom. nud.
on tree trunk, Onrust, v. d. *Byl* 325 (det. Vain.).

Phaeographis mesographa Müll. Arg.

Zahlbruckner, Cat. Lich. II : 441.
Graphis mesographa Nyl., Stizenberger (1891) No. 1251.
on bark, Somerset West, *MacOwan*.

CHIODECTONACEAE.

Chiodecton capense (Massal.) Zahlbr.

Zahlbruckner, Cat. Lich. II : 474.

Enterographa capensis Massalongo (1861) 81 ; Redinger (1938) 68.*Stigmatidium capense* Stizenberger (1891) 195, no. 1344.on volcanic rocks, Cape, *Wawra*, Type.**Chiodecton galactinum** Zahlbr.

Zahlbruckner (1932) 212 ; van der Byl (1931) 8.

Enterographa galactina Redinger (1938) 57.on rocks, The Heads, Knysna, *v. d. Byl 644*, Type.**Chiodecton natalense** Nyl.

Nylander (1869 a) 14 ; Hue (1891) 192 ; Stizenberger (1891) No. 1415 ; Zahlbruckner, Cat. Lich. II : 497.

on bark, Durban, *Armstrong*.**Chiodecton sanguineum** (Sw.) Wain. f. *rosaceotinctum* (Fr.) Wain.

van der Byl (1931) 8 ; Zahlbruckner, Cat. Lich. III : 498.

without locality, *v. d. Byl*.**Chiodecton subnanum** Vain.

Vainio (1929) 25.

on bark, Moçambique (Vainio).

Chiodecton van der Bylii Zahlbr.

Zahlbruckner (1932) 213 ; van der Byl (1931) 8.

Enterographa van der Bylii Redinger (1839) 56.on bark, Knoetze, Knysna, *v. d. Byl 668*, Type.**Chiodecton venosum** (Pers.) Zahlbr.

Zahlbruckner, Cat. Lich. II : 483.

Enterographa venosa Massalongo (1860) 315.*Stigmatidium venosum* Nylander (1869 a) 14 ; Stizenberger (1891) No. 1340.on bark, Durban, *Armstrong* (" Form with pale apothecia and poorly developed thallus " Stizenb. l.c.).**Enterostigma compunctum** (Ach.) Müll. Arg.

van der Byl (1931) 8 ; Zahlbruckner, Cat. Lich. II : 501.

on trunk of *Erythrina caffra* Thunb., Durban, *v. d. Byl 120* (det. Merrill).**Glyphis cicatricosa** Ach.

Zahlbruckner, Cat. Lich. II : 454.

Graphis cicatricosa Wain., van der Byl (1931) 7on trunk of *Acacia mollissima* Willd., Howick, *v. d. Byl 199* (det. Vain.)Var. **confluens** (Zenk.) Zahlbr.

Zahlbruckner, Cat. Lich. II : 455.

Graphis cicatricosa var. *confluens* Wain., van der Byl (1931) 7.*Glyphis confluens* Zenk., Stizenberger (1891) No. 1419 ; Nylander (1869 a) 15 ; van der Byl (1931) 8.

on bark, Durban, *Armstrong* ; *Sarnia*, *Hean* (v. d. Byl) ; *Eshowe*, v. d. *Byl* 192 (det. Vain.) ; on trunk of *Ailanthus altissima* Sw., Durban, v. d. *Byl* 16 (det. A. L. Sm.) ; on *Croton* sp., Durban, v. d. *Byl* 17 (det. A. L. Sm.) ; on *Euphorbia pulcherrima* Willd., Berea, Durban, v. d. *Byl* 5 (det. A. L. Sm.).

Var. *simplicior* (Wain.) Zahlbr.

Zahlbruckner, Cat. Lich. II : 456.

Graphis cicatricosa var. *simplicior* Wain., van der Byl (193) 7.
on rock, *Sarnia*, *Hean* (v. d. Byl 306, det. Vain.).

Sarcographa disjectans (Nyl.) Zahlbr.

Zahlbruckner, Cat. Lich. II : 460.

Medusula disjectans Nylander (1890) 87, not. ; Hue (1891) 166 ; Stizenberger (1891) 189, No. 1282.
on bark of a tree of the family Malvaceae, near Durban, *Wilms*.

DIRINACEAE.

Dirina capensis Fée

apud Nylander (1857) 116, nom. nud. ; Stizenberger (1890) 240, no. 841 ; Hue (1891) 80 ; van der Byl (1931) 8 ; Zahlbruckner (1932) 214, Cat. Lich. II : 506.

Urceolaria capitata Nees apud Stizenberger, l.c.
on rocks, Cape, *Zeyher* ; The Heads, Knysna, v. d. *Byl* 636, 684 ; Langbaan, v. d. *Byl* 536 ; Poole's Bay, v. d. *Byl* 791.

ROCCELLACEAE.

Combea mollusca Nyl.

Nylander (1860 a) 257 ; Hue (1890) 268 ; Darbyshire (1897) 9, (1898 b) 57 ; Stizenberger (1890) No. 212 ; van der Byl (1931) 8, (1933 a) 2 ; Schultze (1907) 706 ; Zahlbruckner (1926 a) 126, (1926 b) 483, (1932) 214, Cat. Lich. I : 525.

Parmelia mollusca Acharius (1803) 253 ; Sprengel (1827) 278.

Dufourea mollusca Acharius (1810) 524, (1814) 247

Lichen squarrosus **Dufourea mollusca* Lamarek (1813) 419.

Rocella mollusca Nylander (1857) 97 ; Lindsay (1895) 141.

Combea pruinosa de Notaris (1846) 223 ; Massalongo (1853) 70.

Dactylina mollusca Tuckerman (1872) 7.

on maritime rocks, Cape, *Osbeck*, *Ecklon*, *Zeyher*, *MacOwan* ; Bloubergstrand, v. d. *Byl* 1039 ; on mountain behind Muizenberg, *MacOwan*, 27 ; Poole's Bay, Hermanus, v. d. *Byl* 803 ; Saldanha Bay, *Zeyher* ; Cape Peninsula, *Ecklon* ; on calcareous rock, Swakopmund, *F. & R. Wettstein* ; on granite and on thorny shrubs, Haifischinsel off Lüderitzbucht, *Fincke* ; on granite, slopes of Table Mt., *Brunnthaler* ; on dead plants, Possession Is., *Schulze* 21.

Rocella fuciformis (Linn.) Lam. & DC.

Drège (1843) 159 ; Darbyshire (1898 a) 9 ; van der Byl (1933 a) 4 ; Zahlbruckner, Cat. Lich. II : 516.

on tree trunk, Amatongoland, *J. McKen* (S.A.M. 46894) ; Port Natal, near the Bay, *Drège*.

Roccella fucoides (Dicks.) Wain.

Wainio (1901) 433 ; van der Byl (1933 a) 3 ; Zahlbruckner, Cat. Lich. II : 518.

Roccella phycopsis Ach., Stizenberger (1890) No. 216 ; Massalongo (1861) 47 ; Darbyshire (1897) 4, (1898 a) 10, (1898 b) 34.on maritime rocks, Cape Peninsula, *Wawra*, *Zeyher*, *Ecklon*, *Wright*.Var. **Arnoldi** Zahlbr.

Zahlbruckner, Cat. Lich. II : 519.

Roccella Arnoldi Wainio (1901) 433.on limestone rocks, between Saco and the mouth of the river Giraul, *Welwitsch* 417 pr. p.**Roccella hereroensis** Wain.

Wainio (1900 b) 4 ; Zahlbruckner, Cat. Lich. II : 520.

on calcareous rocks, Hereroland, *Dinter* 93, Type.**Roccella hypomecha** (Ach.) Bory.

Nylander (1868) 509, (1886) 200 ; Hue (1890) 268 ; Stizenberger (1890) No. 39 ;

Darbyshire (1897) 5, (1898 a) 10, (1898 b) 37 ; van der Byl (1931) 8, (1933 a) 4 ; Zahlbruckner (1932) 214, Cat. Lich. II : 520.

Parmelia Roccella var. *hypomecha* Acharius (1803) 274.*Parmelia tinctoria* var. *hypomecha* Acharius (1810) 439, (1814) 243 ; Thunberg (1832) 750 ; Nylander (1959) 252, (1860) 258.on maritime rocks, Cape, *Breutel*, *Mac Owan*, *Thunberg* ; False Bay, *MacOwan*, 356 ; on mountains behind Muizenberg, *MacOwan* (Lojka, Lichenoth. universalis 56 ; S.A.M. 46978) 145 ; Poole's Bay, *Champion* (v. d. Byl 439, det. Vain.), v. d. Byl 795 ; Hermanus, *du Preez*, (v. d. Byl 564) ; without locality, *Ecklon* 24 (S.A.M. 46864), *Pappe* (S.A.M. 46865) ; *Kommetje* (S.A.M. 25247) ; Brandfontein, *Bredasdorp*, *C. A. Smith*, 740.Var. **benguellensis** (Welw.) Wain.

Wainio (1901) 432 ; Zahlbruckner, Cat. Lich. II : 520.

Lecanora benguellensis Nylander (1868) 514.on rocks, shores of Atlantic Ocean, near Cabo Negro, *Welwitsch* 403, Type ; Hermanus, *Louwrens*, 1733.Var. **isabellina** Wain.

Wainio (1901) 432 ; Zahlbruckner, Cat. Lich. II : 520.

on maritime rocks, between Mossamedes and Porta Pinda, *Welwitsch* 404, Type.**Roccella linearis** Wain.Var. **guineensis** Wain.

Wainio (1901) 434 ; van der Byl (1931) 8, (1933 a) 3 ; Zahlbruckner (1932) 214,

Cat. Lich. II : 520.

on maritime rocks, The Heads, Knysna, v. d. Byl ; on trunks of trees, Knoetze, Knysna, v. d. Byl 667.

Var. **primaria** Wain.

Wainio (1901) 434 ; Zahlbruckner, Cat. Lich. II : 521.

on *Euphorbia bella*, Mossamedes, *Welwitsch* 420.**Roccella Montagnei** Bél.

Massalongo (1861) 15 ; Stizenberger (1890) No. 218 ; Darbyshire (1897 a) 4,

(1898 a) 10, (1898 b) 24 ; van der Byl (1931) 8, (1933 a) 3 ; Zahlbruckner (1926 b) 484, Cat. Lich. II : 521.

on maritime rocks and bark, Durban, *Gueinzius* ; Transvaal, *Rehmann* ; Cape, *Wawra* ; on bark of trees, Knysna, *Duthie* (v. d. Byl 405) ; Durban, *Wager*, 1743 ; Catembe, *Borle* 35, 281 ; Port Alfred, *Penfield*, 205 ; Natal, *Cooper*, 144 ; Mangrove Region, Moçambique, *Junod* 572, 725 ; Moçambique, *Brunnthaler*.

Roccella mossamedana Wain.

Wainio (1901) 433 ; Zahlbruckner, Cat. Lich. II : 521.

on rocks, at top of neck, Serra de Montes Negros, *Welwitsch 419*, Type.**Roccella podocarpa** (Welw.) Wain.

Wainio (1901) 435 ; Zahlbruckner, Cat. Lich. II : 521.

on branches of **Tamarix** and **Acacia**, on banks of river Maiombo, near Páó, *Welwitsch 416*.**Roccella tinctoria** DC.

von Flotow (1843) 27 ; Krauss (1846) 201 ; Nylander (1860a) 258 ; Massalongo (1861) 47 ; Stizenberger (1890) No. 214 ; Darbishire (1897) 4, (1898 a) 32 ; Zahlbruckner Cat. Lich. II : 522.

Lichen Roccella Linn., Thunberg (1800) 180, (1823) 750.on rocks, Cape, *Wawra, Thunberg* ; Muizenberg, *Krauss*.f. **complanata** Wain.

Wainio (1901) 432 ; Zahlbruckner, Cat. Lich. II : 524.

on rocks, shores of Atlantic Ocean, nr. Cazimba, *Welwitsch 406 pr. p.*Var. **subpodicellata** Wain.

Wainio (1901) 431 ; Zahlbruckner, Cat. Lich. II : 525.

on maritime rocks, shores of Atlantic Ocean, near Cazimba, *Welwitsch 406 pr. p.*

LECANACTIDACEAE.

Lecanactis bullata Zahlbr.

Zahlbruckner (1932) 214 ; van der Byl (1931) 8.

on quartz rocks, Poole's Bay, *v. d. Byl 796*, Type.**Lecanactis devalans** Nyl.

Nylander (1890) 87 ; Hue (1891) 157 ; Stizenberger (1891) No. 1280 ; Zahlbruckner, Cat. Lich. II : 535.

on bark of a tree of the family Malvaceae, near Durban, *Wilms*.**Lecanactis emersa** (Müll. Arg.) Stizenb.

Stizenberger (1891) 188, No. 1275 ; Zahlbruckner, Cat. Lich. II : 537.

Opegrapha emersa Müll. Arg., J. Müller-Arg. (1887 a) 63.on bark, near Lydenburg, *Wilms*, Type ; near Kooksbosch, *Breutel*.**Lecanactis ulcerata** (Müll. Arg.) Zahlbr.

Zahlbruckner, Cat. Lich. II : 547.

Opegrapha ulcerata Müll. Arg., J. Müller-Arg. (1895) 456.on bark, Cape, *MacOwan*, Type.**Melampyidium metabolum** Müll. Arg., subsp. **africanum** Zahlbr.

Zahlbruckner (1932) 215.

on branches of **Sideroxylon inerme** Linn., Brenton, Knysna, *v. d. Byl 683*. Type.**Schismatomma paradoxum** (Fée) Zahlbr.

Zahlbruckner, Cat. Lich. II : 561.

Platygrapha dirinea Nyl., Stizenberger (1891) No. 1332.? as *Chiodecton direnium* Nyl. in van der Byl (1931) 8.Cape, without locality ; ? on trunk of **Erythrina caffra** Thunb., Stella Bush, *v. d. Byl 118* (det. Vain.).

Schismatomma septenarium (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. II : 564.

Platygrapha septenaria Stizenberger (1891) 194, No. 1334.
on sandstone rocks, near Muizenberg, MacOwan, Type ; on Lion's Head, MacOwan.

PILOCARPACEAE.

Byssoloma tricholomum (Mont.) Zahlbr.

f. *confluens* Vain., van der Byl (1931) 8, ? nom. nud. (for species see Zahlbruckner, Cat. Lich. II : 569).

Pilocarpon leucoblepharum (Nyl.) Wain. f. *confluens* Vain. in Herb. v. d. Byl.
on *Ocotea bullata* E. Mey, Knysna, v. d. Byl 260 (det. Vain.).

CHRYSOTHRICACEAE.

Crocynia membranacea (Dicks.) Zahlbr.

Zahlbruckner, Cat. Lich. II : 575.

Leproloma lanuginosum Nyl., Stizenberger (1895) No. 521.
on moss and stones, Mt. Kanduliri, Zambesi region, Menyharth.

THELOTREMACAEAE.

Gyrostomum scyphuliferum (Ach.) Nyl.

van der Byl (1931) 8 ; Zahlbruckner, Cat. Lich. II : 644,
on trunk of *Pandanus* sp., Durban. v. d. Byl 3, 10 (det. A. L. Sm.) ; on *Croton* sp., Durban,
v. d. Byl 7 (det. A. L. Sm.) ; on tree undet., Stella Bush, v. d. Byl 70 (det. A. L. Sm.).

Leptotrema endoxanthellum Zahlbr.

Zahlbruckner (1936) 164.

on bark, Knysna, v. d. Byl 871, Type.

Leptotrema microglanoides (Wain.) Zahlbr.

Zahlbruckner, Cat. Lich. II : 637.

Thelotrema microglanoides Vainio (1926) 32 ; van der Byl (1931) 8 ; Zahlbruckner,
Cat. Lich. VIII : 604.
on granite rock, Matopos, v. d. Byl 157 pr. p., 159 (det. Vain.).

Ocellularia capensis Zahlbr.

Var. *feracior* Zahlbruckner (1932) 217.

on bark, Hoofbos, Knysna, v. d. Byl 882, Type.

Var. *leiothallina* Zahlbr.

Zahlbruckner (1932) 217.

on bark, Hoofbos, Knysna, v. d. Byl 659, Type.

Ocellularia cavata (Ac.) Müll. Arg.

Zahlbruckner, Cat. Lich. II : 585.

Thelotrema cavatum Ach., von Flotow (1843) 24 ; Krauss (1846) 200.
on bark, Cape, Krauss.

Ocellularia diplochistoides Zahlbr.

Zahlbruckner (1932) 216.

on branches of trees, Brenton, Knysna, v. d. Byl 685, Type.

Ocellularia galactina Zahlbr.

Zahlbruckner (1932) 216 ; van der Byl (1931) 8.
on bark of trees, Knoetze, Knysna, v. d. *Byl* 673, Type.

Ocellularia henatomma (Ach.) Müll. Arg.

Zahlbruckner, Cat. Lich. II : 592.
Lichen pertusus Thunberg (1823) 176, (1932) 741, not Linn.
Pyrenula henatomma Acharius (1810) 316.
Thelotrema henatomma Acharius (1814) 114 ; Drege (1843) 85 ; Stizenberger (1890)
No. 906 ; Juel (1918) 50.
on bark, Cape, Thunberg ; Paarlberg, Drege.

Thelotrema capense Zahlbr.

Zahlbruckner (1932) 218 ; van der Byl (1931) 8.
on bark of *Cassine croceum* O. Ktze., Hoofbos, Knysna, v. d. *Byl* 695, 696, Type.

Thelotrema diplochistoides Vain.

Vainio (1926) 31 ; van der Byl (1931) 8 ; Zahlbruckner, Cat. Lich. VIII ; 604.
on granite rocks, Matopos, v. d. *Byl* 157 pr. p., Type.

Thelotrema leioplacoides Nyl.

Nylander (1857) 118, nom. nud. ; Hue (1891) 93 ; Zahlbruckner, Cat. Lich. II :
620.
Cape of Good Hope without locality.

Thelotrema lepadinum Ach.

Drege (1843) 80 ; Stizenberger (1890 & 1895) No. 903 ; J. Müller-Arg. (1893 c)
510 ; Zahlbruckner (1932) 219, Cat. Lich. II : 620.
on branches, under a growth of *Usnea* sp., Pondoland, Buchmann ; du Toits Kloof, Drege ;
on bark, Garden of Eden, Knysna, v. d. *Byl* 864 ; Kaaimansrivier, v. d. *Byl* 853.

Thelotrema muscigenum Stizenb.

Stizenberger (1890) 247, no. 902 ; Zahlbruckner, Cat. Lich. II 626.
on mosses on trees, Table Mt., MacOwan, Type.

DIPLOSCHISTACEAE.

Conotrema volvarioides (Fée) Müll. Arg.

Zahlbruckner, Cat. Lich. II 648.
Lecidea volvarioides Stizenberger (1891) 180, no. 1201.
on bark, nr. Lydenburg, Wilms.

Diploschistella urceolata Vain.

Vainio (1926) 26 ; van der Byl (1931) 8 ; Zahlbruckner, Cat. Lich. VIII 605.
on rather sandy ground, Stellenbosch, Eyles (v. d. *Byl* 416), Type.

Diploschistes actinostomus (Pers. ex Ach.) Zahlbr.

Zahlbruckner (1932) 220, Cat. Lich. II : 651 ; van der Byl (1931) 8.

Urceolaria actinostoma Pers. ex Ach., Stizenberger (1890) no. 829.
on sandstone rocks, near Lydenburg, *Wilms* ; on quartz rocks, Poole's Bay, *v. d. Byl* 797, 801, 802 ; on rocks, near Hermanus, *v. d. Byl* 776.

Var. **aeneus** (Müll. Arg.) Steiner

Zahlbruckner, Cat. Lich. II : 563.

Urceolaria actinostoma var. *aenea* Müll. Arg., Stizenberger (1890) no. 829.
on rocks, Cape, without locality.

Var. **caesioplumbeus** (Nyl.) Steiner

Zahlbruckner (1926 b) 484, Cat. Lich. II : 653.

Urceolaria actinostoma var. *caesioplumbea* Nyl. Stizenberger (1890) no. 829.
on sandstone and granite, Lion's Head and Table Mt., *MacOwan* : slopes of Table Mt. opposite Camps Bay, *Brunnthaler* ; van Reenen's Pass, *Brunnthaler*.

Diploschistes anactinus (Nyl.) Zahlbr.

Zahlbruckner (1932) 220, Cat. Lich. II . 657.

on quartz rocks, Hermanus, *v. d. Byl* 779 ; Botany Bay, *v. d. Byl* 991, 995.**Diploschistes bellus** Zahlbr.

Zahlbruckner (1936) 163.

on sandstone rocks, between Calvinia and Middelpos, *v. d. Byl* 1107, Type, and *v. d. Byl* 111.**Diploschistes cinereocaesius** (Sw.) Wain.

van der Byl (1931) 8 ; Zahlbruckner, Cat. Lich. II : 660.

Urceolaria cinereocaesius Ach., Stizenberger (1890) no. 838.
on ground amongst mosses, Boschberg, *MacOwan* ; on ground, Howick, *v. d. Byl* 213 (det. Vain.).

Diploschistes deuterius (Nyl.) Zahlbr.

Zahlbruckner, Cat. Lich. II : 662.

Urceolaria deuteria Nyl., Crombie (1876 a) 175 ; Stizenberger (1890) no. 830.
on ground, Table Mt., *Eaton*.

Diploschistes isabellinus Zahlbr.

Zahlbruckner (1932) 219.

on friable sandstone rock, Grey's Pass, Citrusdal, *v. d. Byl* 755.**Diploschistes ochroniger** Zahlbr.

Zahlbruckner (1936) 164.

on the ground, Wolseley, *v. d. Byl* 1142, 1143, Type.**Diploschistes perispicillatus** Zahlbr.

Zahlbruckner (1932) 219.

on non-calcareous rocks, World's View, van Reenen's Pass, *Brunnthaler*, Type.

Diploschistes scruposus (Schreb.) Norm.

Zahlbruckner, Cat. Lich. II : 665.

f. **iridatus** (Mass.) Zahlbr.Zahlbruckner (1932) 220, Cat. Lich. II : 670 ; van der Byl (1931) 8.
on ground near Stellenbosch, v. d. Byl 747.Var. **arenarius** (Schaer.) Müll. Arg.

Zahlbruckner (1932) 220, Cat. Lich. II : 671.

Urceolaria scruposa Ach. f. *arenaria* Ach., Stizenberger (1890) no. 832.*Urceolaria scruposa* β *arenaria* Schaer., von Flotow (1843) 24 ; Krauss (1846) 200.
on sandstone rocks, top of Lion's Head, MacOwan ; on ground, Grootrivier, Knysna,
v. d. Byl 883 ; on clayey soil, Tygerberg, Krauss.**Diploschistes subcupreus** (Nyl.) Zahlbr.

Zahlbruckner, Cat. Lich. II : 674.

Urceolaria subcuprea Nyl. apud Crombie (1876 a) 175, (1876 b) 20 ; Hue (1891)
99.

on rocks, Table Mt., Eaton.

GYALECTACEAE.

Gyalecta Thunbergiana Ach.Acharius (1810) 152. (1814) 10 ; Juel (1918) 49 ; Zahlbruckner, Cat. Lich. II :
728.*Lichen excavatus* Thunberg (1800) 176, (1823) 742, not Hoffmann.*Urceolaria excavata* Ach. (1798) 35, (1803) 148.*Lichen opegraphus** *Gyalecta Thunbergiana* Lamarck (1813) 409.

on clayey ground, Leeuwestaart, Thunberg.

Microphiale lutea (Dicks.) Zahlbr.

Zahlbruckner, Cat. Lich. II : 697.

Lecidea lutea Tayl., Stizenberger (1891) no. 913 ; Nylander (1869 a) 8.? as *Catillaria lutea* Arn., van der Byl (1931) 10.on bark, Durban, Armstrong ; ? on trunk of *Gardenia globosa* Hochst., Winkle Spruit,
v. d. Byl 49 (det. A. L. Sm.)**Pachyphiale cornea** Poetsch

Zahlbruckner, Cat. Lich. II : 729.

Lecidea carneola Ach., Drège (1843) 80, 85.

on bark, du Toits Kloof, Drège ; Paarlberg, Drège.

COENOGONIACEAE.

Coenogonium afrum Massal.

Massalongo (1861) tab. II f.1-4 ; Zahlbruckner, Cat. Lich. II : 736.

Chroolepus afrum Massalongo (1861) 43.

Cape of Good Hope, Wawra.

Coenogonium interplexum Nyl.

Stizenberger (1890) no. 910 ; Zahlbruckner, Cat. Lich. II : 737.

on bark of trees, near Baziya, Baur (MacOwan 705).

EPHEBACEAE.

***Ephebe lanata* (Linn.) Wain.**

Zahlbruckner, Cat. Lich. II : 750.

Ephebe pubescens (Ach.) Fr., Stizenberger (1890) no. 6.
on wet rocks, top of Lion's Head, *MacOwan*.

PYRENOPSIDACEAE.

***Psorotichia cataractae* Zahlbr.**

Zahlbruckner (1926 b) 485, Cat. Lich. VIII : 269.

on basalt rocks, Palm Kloof, Victoria Falls, *Brunnthaler*.***Psorotichia fuliginella* (Nyl.) Wain.**

Wainio (1901) 418 ; Zahlbruckner, Cat. Lich. II : 790.

Collema fuliginellum Nylander (1868) 509 ; Hue (1890) 229.
on micaceous-schistose rocks, near Pomangula, Mossamedes, *Welwitsch 57, 58*.***Pyrenopsis Mackenziei*, T. A. Jones**

apud Nylander (1869 a) 4 ; Stizenberger (1890) no. 5 ; Hue (1890) 226 ;

Zahlbruckner, Cat. Lich. II : 771.
on quartzite rocks, Natal, *Armstrong*, Type.***Pyrenopsis robustula* Müll. Arg.**

J. Müller-Arg. (1893 b) 295 ; Zahlbruckner, Cat. Lich. II : 776.

on rocks, near Boroma, *Menyharth 1215*, Type.***Synalissa austro-africana* Zahlbr.**

Zahlbruckner (1936) 165.

on sandstone, between Bitterfontein and Garies, *v. d. Byl 1175*, Type.***Peccania minuscula* (Nyl.) Zahlbr.**

Zahlbruckner, Cat. Lich. II : 814.

Synalissa minuscula Nylander (1868) 508 ; Forssel (1885) 56 ; Hue (1890) 228 ;

Zahlbruckner, Cat. Lich. II : 778.

Omphalaria minuscula (Nyl.) Wainio (1901) 417.
on limestone rocks, on mountain top, Serra de Montes Negros, *Welwitsch 2 pr. p., 15 pr. p.*

COLLEMACEAE.

***Arctomia muscicola* A. L. Sm.**

A. L. Smith (1932) 48 ; Zahlbruckner, Cat. Lich. VIII : 608.

on bark or old wood amongst mosses and *Hymenophyllum*, below Duivel's Kantoor,
Kaapsche Hoop, *G. Taylor*, Type.***Collema aggregatum* (Ach.) Röhl.**

van der Byl (1931) 9, (1935 b) 3 ; Zahlbruckner, Cat. Lich. III : 32.

on trees, Salisbury, *Eyles 4277* (v. d. Byl 574, det. A. L. Sm.) ; Zululand, *R. H. Harris*
(v. d. Byl 230, det. Vain.) ; Elim, *Doidge, 274* ; Highbury, *Doidge, 1555*.

Collema crispum (Linn.) Wigg.

Juel (1818) 49 ; Zahlbruckner, Cat. Lich. III : 72.

Lichen crispus Linn., Thunberg (1800) 177, (1823) 744.
Cape, Thunberg.

Collema furvum (Ach.) DC.

J. Müller-Arg. (1893 b) 295 ; Stizenberger (1895) no. 21 ; Schinz (1905) 393 ;

Zahlbruckner, Cat. Lich. III : 78.

near Boroma, *Menyharth* 250.

Collema nigrescens (Huds.) DC.

Drège (1843) 80, 85 ; van der Byl (1931) 9, (1935 b) 4 ; Zahlbruckner, Cat. Lich. III : 51.

on trunks of trees, Salisbury, *Eyles* 650 (v. d. Byl 556) 1445 ; on bark of *Ficus* sp., Enterprise, *Eyles* 1644, 160 ; on bark, Zululand, *Harris* ; du Toits Kloof, *Drège* ; Paarlberg, *Drège*.

Collema redundans Nyl.

Nylander (1869 a) 5 ; Stizenberger (1890) no. 34 ; Hue (1890) 232 ; van der Byl (1935 b) 4 ; Zahlbruckner, Cat. Lich. III : 46.

Synechoblastus redundans Müll. Arg., J. Müller-Arg. (1880 b) 259.
on bark, Durban, *Armstrong*.

Collema tenax (Sw.) Ach.

Stizenberger (1890) no. 29 ; van der Byl (1935 b) 3 ; Zahlbruckner, Cat. Lich. III : 10.

Collema pulposum Ach. var. *tenax* Nylander (1858) 110 ; Crombie (1876 a) 166.
on the bare ground, Table Mt., *Eaton*.

Collema thysaneum Ach.

Nylander (1869 a), 5 not. ; Stizenberger (1890) no. 38 ; van der Byl (1935 b) 4 ; Zahlbruckner, Cat. Lich. III : 47.

on bark, Cape, *Breutel*.

Leptogium adpressum Nyl.

Stirton (1877) 212 ; Stizenberger (1890) no. 61 ; Wainio (1901) 417 ; van der Byl (1935 b) 8 ; Zahlbruckner, Cat. Lich. III : 126.

on trees, Boschberg, *MacOwan* ; on trunks of living *Parinarium* sp., in high mountain forest, Morro de Lopollo, *Welwitsch* 1.

Leptogium africanum Zahlbr.

Zahlbruckner (1926 b) 488, Cat. Lich. VIII : 287 ; van der Byl (1935 b) 10.

amongst mosses, Winterhoekberg, near Uitenhage, *Zeyher* (in Herb. Naturhist. Hofmus. as *Leptogium Brébissonii*, det. Nylander).

Leptogium Brébissonii Mont.

Zahlbruckner, Cat. Lich. III : 126.

Leptogiopsis Brébissonii Müll. Arg., J. Müller-Arg (1893 b) 295 ; Schinz (1905) 303.
on bark, Boroma, *Menyharth* 266, 267.

Leptogium bullatum (Sw.) Mont.

Zahlbruckner, Cat. Lich. III : 128.

Collema bullatum Ach., Drège (1843) 132, 141.

on bark, Samteesvlakte, near Enon, Drège ; " Glenfilling ", Drège.

Var. **dactylinoideum** Nyl.

Stirton (1877) 211 ; Stizenberger (1890) no. 60 ; van der Byl (1935 b) 7 ; Zahlbruckner, Cat. Lich. III : 129.

on bark, Boschberg, MacOwan.

Leptogium Burgesii (Linn.) Mont.

Steiner (1907) 637 ; Zahlbruckner, Cat. Lich. III : 175.

on bark, Mt. Mamotsuiri, Junod 981 pr.p.

Leptogium chloromeloides Nyl.

Nylander (1869 a) 5 ; Hue (1890) 236 ; van der Byl (1935 b) 10 ; Zahlbruckner, Cat. Lich. III : 126.

Leptogiopsis chloromeloides Müll. Arg., J. Müller-Arg. (1882) 292.

on bark, Durban, Armstrong.

Leptogium chloromelum (Ach.) Nyl.

Zahlbruckner (1926 b) 487, (1932) 221, Cat. Lich. III : 131 ; van der Byl (1931) 9, (1935 b) 9.

on bark of trees, Table Mt. and Oranjezicht, *Brunnthaler* ; Knysna, v. d. Byl ; Umtali, Eyles 4347 ; Salisbury, Eyles (v. d. Byl 627).Var. **caespitosum** (Tayl.) Zahlbr.

Stizenberger (1890) no. 57 ; Zahlbruckner, Cat. Lich. III : 132.

Collema caespitosum Taylor (1847) 196 ; J. Müller-Arg. (1887 a) 269.

in mountain forests, near Uitenhage, Zeyher.

Var. **crassius** Nyl.

Nylander (1869 a) 5 ; Hue (1890) 236 ; Stizenberger (1890) no. 57 ; van der Byl (1935 b) 9 ; Zahlbruckner, Cat. Lich. III : 132.

on bark, Durban, Armstrong.

Leptogium daedaleum Nyl.

Zahlbruckner, Cat. Lich. III : 134.

Leptogium phyllocarpum Mont. var. *daedaleum* Nylander (1858) 130 ; Stirton (1877) 212 ; van der Byl (1931) 9, (1935 b) 9.*Stephanoporon phyllocarpum* var. *daedaleum* Stizenberger (1890) 123, no. 67, (1895) no. 67.on tree trunks, Boschberg, MacOwan ; Transvaal, *Rehmann* ; Knysna, v. d. Byl 288, (det. Vain.) ; Table Mt.**Leptogium Hildenbrandii** (Garov.) Nyl.

Nylander (1869 a) 5 ; Stirton (1877) 211 ; Stizenberger (1890) no. 55 ; van der Byl (1935 b) 6 ; Zahlbruckner, Cat. Lich. III : 176.

on bark, Natal, Armstrong, Rehmann ; Transvaal, Wilms ; Boschberg, MacOwan, 70, 688

Leptogium Kraussii (Flotow) Zahlbr.

Zahlbruckner, Cat. Lich. III : 136.

Stephanoporus Kraussii Flotow (1843) 29 ; Krauss (1846) 200.abundant on bark of *Quercus* around Constantia, Krauss.

Leptogium marginellum (Sw.) S. F. Gray.

Stizenberger (1890) no. 52 ; van der Byl (1935 b) 6 ; Zahlbruckner, Cat. Lich. III : 143.

Collema marginella Raeuschel, Drège (1843) 155.

Cape, *Gueinzus* ; between " Ontendo " and " Omsamculo ", Drège.

Leptogium Menziesii (Sw.) Mont.

Nylander (1858 a) 128 ; Stirton (1877) 211 ; Stizenberger (1890) no. 56 ; van der Byl (1935 b) 7 ; Zahlbruckner, Cat. Lich. III : 177.
on bark and amongst mosses, Cape, Drège ; Durban, *Gueinzus* ; Kaffraria, Baur.

f. *fuliginosum* Müll. Arg.

Stizenberger (1890) no. 56 ; Steiner (1907) 637 ; (van der Byl 1935 b) 7 ; Zahlbruckner, Cat. Lich. III : 178.
on bark, Cape, *MacOwan* ; Mt. Mamotsuiri, *Junod 981 pr.p.*

Leptogium moluccanum (Pers.) Wain.

Zahlbruckner (1926 b) 487, Cat. Lich. III : 145.
on *Podocarpus* sp., van Reenen's Pass, *Brunnthaler*.

Var. *simplicata* Vain.

van der Byl (1931) 9, (1935 b) 7, ? nom. nud.
on tree trunk, Stella Bush, v. d. *Byl 108* (det. Vain.)

Leptogium phyllocarpum (Pers.) Mont.

Nylander (1858 a) 130, (1869 a) 5 ; Crombie (1876 a) 166 ; Stirton (1877) 212 ; van der Byl (1935 a) 8 ; Zahlbruckner, Cat. Lich. III : 149.
on trunks of trees, Table Mt., *Eaton* ; Boschberg, *MacOwan* ; Kamberg, *Crass*, 1589 ; Highbury, *Doidge*, 1553 ; Xumeni Forest, *Doidge*, 1622 b ; Kentani, *Pegler 2464*, Durban, *Armstrong* ; on bark of *Ficus* sp., Enterprise, *Eyles 1644 a*, 160 a.

Var. *coralloideum* (Mey. & Flot.) Hue.

van der Byl (1935 a) 9 ; Zahlbruckner, Cat. Lich. III : 149.

Leptogium phyllocarpum var. *isidiosum* Nyl., Stirton (1877) 212.

Stephanoporon phyllocarpum var. *isidiosum* Stizenberger (1890) 123, no. 67.
on bark, Boschberg, *MacOwan*, 67.

Var. *macrocarpum* Nyl.

Stirton (1877) 212 ; van der Byl (1935 a) 9 ; Zahlbruckner, Cat. Lich. III : 150.
on bark, Boschberg, *MacOwan*.

Leptogium saturninum Nyl.

Zahlbruckner, Cat. Lich. III : 178.

Collema saturninum DC., Drège (1843) 134.

Hoffmanskloof, between Enon and Zuurbergen, Drège.

Leptogium tremelloides (Linn. f.) S. F. Gray.

Nylander (1858 a) 124 ; Crombie (1876 a) 166 ; Stirton (1877) 211 ; Stizenberger (1890) no. 49 ; Steiner (1907) 637 ; van der Byl (1931) 9, (1935 a) 10 ; Zahlbruckner, Cat. Lich. III : 155.

Lichen tremelloides Linn. f. (1781) 450 ; Thunberg (1800) 177, (1823) 745.

Collema tremelloides Ach., Drège (1843) 80, 85, 123, 146.

amongst mosses on rocks and on branches and trunks of trees, Table Mt., *Eaton* ; Cape, *Zeyher* ; du Toits Kloof, Drège ; Paarlberg, Drège ; in a valley in the forest between ' Buffelsrivier ' and ' Key ', Drège ; between ' Key ' and ' Basche ', Drège ; Kaymans-

gat, *Drège* ; Boschberg, *MacOwan* (S.A. M. 46966) 70,71 ; Blue Lilies Valley, Humansdorp, *Woodcock* (S.A. M. 46929) ; Kentani, *Pegler 1238*, 72 ; Empangeni, *R. H. Harris* ; Highbury, *Doidge*, 1552 ; Nottingham Road, *v. d. Byl 36* (det. A. L. Sm.) ; Mt. Mamotsuiri, *Junod 983 pr.p.* ; Izotsha, *Rump*, 1566 ; Kamberg, *Crass*, 1588 ; Mont aux Sources, *Bottomley*, 738 ; Xumeni Forest, *Doidge*, 1584 ; near Boroma, *Menyharth* ; on *Chaetacme aristata* Planch., Winklespruit, *v. d. Byl 53* (det. A. L. Sm.).

Var. *azureum* Nyl.

Nylander (1858 a) 125 ; Zahlbruckner (1932) 221, Cat. Lich. III : 158.

Leptogium azureum (Sw.) Mont., von Flotow (1843) 20 ; Krauss (1846) 200 ; Stizenberger (1890) no. 51.

on mossy stones in moist places, Boschberg, *MacOwan* 520 (?S.A. M. 47023) 68, 71 ; on bark and on mossy stones, Woodbush, *Doidge*, 66 (det. Lindau) ; in woods near river, Knysna, *Krauss* ; Hoofbos, Knysna, *v. d. Byl 699* ; Stellenbosch, *Slabbert* ; Umtali, *Eyles 4294* (*v. d. Byl 573*, det. A. L. Sm.) ; Stutterheim, *Sr. de Victoria*, 1480 ; Kirstenbosch, *Bottomley*, 779 ; on *Eugenia zulueusis* Dummer, Xumeni Forest, *Morgan & Doidge*, 1695.

Physma byrsinum (Ach.) Müll. Arg.

van der Byl (1935 a) 2 ; Zahlbruckner, Cat. Lich. III : 25.

Dichodium byrsinum Nyl., Stizenberger (1890) no. 41.

Collema byrsinum Ach., Nylander (1869 a) 5.

on bark and mosses, Durban, *Armstrong*.

Physma callicarpum Hue

van der Byl (1935 a) 2 ; Zahlbruckner (1932) 221, Cat. Lich. III : 26.

on trunks of trees, Plettenberg Bay, *v. d. Byl 874*.

HEPPIACEAE.

Heppia azurea Vain.

apud Lynge (1937) 81.

on granite rocks, Matopos, *v. d. Byl 151*, Type.

Heppia Guepini (Del.) Nyl.

Zahlbruckner, Cat. Lich. III : 197.

Endocarpiscum Guepini Nyl., J. Müller-Arg. (1893 b) 296 ; Stizenberger (1895) no. 519 ;

Schinz (1905) 394.

on rocks, Mt. Kanduliri, *Menyharth 1*, 214.

Var. *nigrolimbata* Nyl.

Zahlbruckner, Cat. Lich. III : 198.

Heppia nigrolimbata Nyl., van der Byl (1931) 9.

on rocks, Hysberge, *v. d. Byl 372*.

Heppia mossamedana Wain.

Wainio (1901) 417 ; Zahlbruckner, Cat. Lich. III : 192.

on limestone rocks, Serra de Montes Negros, *Welwitsch 483 pr.p.*

PANNARIACEAE.

Coccocarpia pellita (Ach.) Müll. Arg. var. *parmelioides* Müll. Arg.

van der Byl (1931) 9 ; Zahlbruckner, Cat. Lich. III : 287.

on rock, Mayville, *v. d. Byl 72* (det. A. L. Sm.).

Pannaria capensis Steiner

Steiner (1907) 643 ; Zahlbruckner, Cat. Lich. III : 240.
on bark, Mt. Mamotsuiri, *Junod 1000 pr.p.*, Type.

Pannaria Hookeri (Borr.) Nyl. var. *leucolepis* Th. Fr.

Zahlbruckner, Cat. Lich. III : 243.
Pannaria leucolepis Nyl., Stizenberger (1890) no. 497.
on rocks, Table Mt., *MacOwan*.

Pannaria leucosticta Tuckerm. var. *isidiopsis* Nyl.

apud Crombie (1876 a) 171 ; Hue (1891) 39 ; Zahlbruckner, Cat. Lich. III : 245.
Pannularia leucosticta Stizenb. var. *isidiopsis* Nyl., Stizenberger (1890) no. 498.
on bark, Table Mt., *Eaton*, Type.

Pannaria lurida Nyl.

Zahlbruckner, Cat. Lich. III : 245.
Dichodium subluridium Nyl., Stizenberger (1890) no. 42.
on bark, Cape, *Breutel*.

Pannaria rubiginosa (Thunb.) Del.

Crombie (1876 a) 171 ; Steiner (1907) 643 ; Juel (1918) 51 ; van der Byl (1931) 9 ;
Zahlbruckner, Cat. Lich. III : 256.
Lichen rubiginosus Thunb. ex Acharius (1798) 99 ; Thunberg (1800) 176, (1823) 743.
Parmelia rubiginosa Ach., Drège (1843) 80, 85.
on bark and mossy stones, Cape, *Thunberg* ; Table Mt., *Eaton* ; Mt. Mamotsuiri, *Junod 1000 pr.p.* ; Caledon, v. d. *Byl 364* (det. Vain.) ; Umtali, *Eyles 4287* (v. d. Byl 570, det. A. L. Sm.) ; du Toits Kloof, *Drège* ; Paarlberg, *Drège*.

Var. *lanuginosa* (Hoffm.) Zahlbr.

Zahlbruckner, Cat. Lich. III : 258.
Pannaria coerulobadia Massalongo (1861) 49.
Pannaria rubiginosa var. *conoplea* Körb., Stizenberger (1890) no. 494.
amongst mosses, Cape, *Wawra*, *MacOwan*.

Var. *phloeodes* Stizenb.

Stizenberger (1890) 188, no. 494 ; Zahlbruckner, Cat. Lich. III : 260.
Pannaria phloeodes Stirton (1877) 215.
on bark of old and dying trees, Boschberg, *MacOwan* (S.A.M. 46976) 81, Type.

Parmeliella coelestina Zahlbr.

Zahlbruckner (1932) 223.
on bark, Hooffbos, Knysna, v. d. *Byl 877*, Type.

Parmeliella corallinoides (Hoffm.) Zahlbr.

Zahlbruckner, Cat. Lich. III : 205.
Biatora triptophylla Fr. β *corrallinoides* Floerke, v. Flotow (1843) 20 ; Krauss (1846) 200.
Pannaria triptophylla (Ach.) Massal, Stizenberger (1890) no. 500.
on bark of tree, Cape, *Gueinzius* ; hills near Green Point, *Krauss*.

Parmeliella plumbea Müll. Arg.

Zahlbruckner, Cat. Lich. III : 20.

Parmelia plumbea Ach., Drège (1843) 132.
on bark, Samteesvlakte, near Enon, Drège.**Placynthiopsis africana** Zahlbr.

Zahlbruckner (1932) 221.

on quartz rocks, Baakens River Valley, *Brunnthaler*, Type.**Psoroma asperellum** Nyl.

Nylander (1863) 24 ; Hue (1891) 44 ; Zahlbruckner, Cat. Lich. III : 266.

Lecanora asperella Nyl., Stizenberger (1890) no. 523.
on bark among mosses, Cape of Good Hope.**Psoroma sphinctrina** Nyl.

van der Byl (1931) 9 ; Zahlbruckner, Cat. Lich. III : 275.

Lecanora sphinctrina Nyl., Stizenberger (1890) no. 524.
on bark, Cape of Good Hope ; on trunk of *Quercus* sp., Klapmuts, v. d. Byl 102 (det. Merrill).

STICTACEAE.

Lobaria interspersans Wain.

van der Byl (1931) 9 ; Zahlbruckner, Cat. Lich. III : 302.

on bark, Barberton, *Thorncroft* (v. d. Byl 234, det. Vain.) ; The Wilderness, v. d. Byl 292 (det. Vain.).**Lobaria isidiosa** Wain.

Zahlbruckner (1926 b) 490, Cat. Lich. III : 321.

Lobarina retigera Nyl. f. *isidiosa* Stizenberger (1895) no. 367.
on *Podocarpus* sp., van Reenen's Pass, *Brunnthaler* ; on bark of trees undet., Stutterheim, *Sr. de Victoria*, 1481 ; Fuller's Bush, *T. R. Sim*, 1455 ; Insikeni Forest, *Henkel*, 1466 ; Zwartkop, near Maritzburg, *T. R. Sim*, 1449 ; in bush, Highbury, *Doidge*, 1538 ; Estcourt, *West*, 1629 ; Entabene, *Watson*, 1504 ; near Haenertsburg, *Kapp*, 1761 ; near Tzaneen, *Kapp*, 1762.**Lobaria meridionalis** Wain.

van der Byl (1931) 9 ; Zahlbruckner, Cat. Lich. III : 307.

on bark, Knysna, v. d. Byl 295 *pr.p.* (det. Vain.).**Lobaria patinifera** (Tayl.) Hue.

Zahlbruckner (1926 b) 490, (1932) 224, Cat. Lich. III : 308 ; van der Byl (1931) 9.

Ricasolia patinifera Müll. Arg., Steiner (1907) 642.
Ricasolia sublaevis Nylander (1869 a) 6 ; Stizenberger (1890) no. 389.
on moss covered tree trunks and on bark, Skeleton Ravine, Table Mt., *Brunnthaler* ; Cape, *Ecklon* ; Durban, *Armstrong* ; Transvaal, *Wilms* ; Hoofbos, Knysna, v. d. Byl 698 *pr.p.* ; Brenton, Knysna, v. d. Byl 686 ; Garden of Eden, Knysna, v. d. Byl 866 ; Mt. Mamotsiri, *nod 975 pr.p.*, 980 ; Xumeni Forest, *Doidge*, 1578, 1582, 1585 ; Highbury, *Doidge*, 1557 a.

Lobaria pulmonaria (Linn.) Hoffm.

van der Byl (1931) 9 ; Zahlbruckner (1932) 242, Cat. Lich. III : 309.

Lichen pulmonarius Linn., Thunberg (1800) 178, (1823) 745.

Sticta pulmonacea Ach., Drège (1843) 80, 125, 144, Nylander (1860 a) 351.

Lobaria pulmonacea (Ach.) Shirley, Stizenberger (1890) no. 369.

on tree trunks, South Africa, without locality, *Gueinzius*, *Breutel*, *Rehmann*, *Maclea*, *Thunberg* ; du Toits Kloof, *Drège* ; in forest 'Koratra', *Drège* ; in forest in a valley between 'Buffelrivier' and 'Key', *Drège* ; Home Rule, Natal, *T. R. Sim*, 1454 ; Pirie Forest, *H. A. Wager*, 761 ; near Brits, *Fouché*, 1471 ; Hoofbos, Knysna, *v. d. Byl* 698, *pr.p.* ; Devils Peak, *Barnard* (S.A.M. 28822) ; on rock, Caledon, *Purcell* (S.A.M. 46276) ; Kentani, *Pegler* 2433 (S.A.M. 46955, 46896).

f. **hypomela** Cromb.

Zahlbruckner, Cat. Lich. III : 315.

Sticta pulmonaria Birola var. *hypomela* (Del.) Duby, Crombie (1876 a) 167.

Lobaria pulmonacea var. *hypomela* Stizenberger (1890) 169, no. 369.

on trunks of trees, Table Mt., *Eaton* ; Transvaal, *Wilms*.

f. **papillaris** (Del.) Hue.

Zahlbruckner (1932) 224, Cat. Lich. III : 316.

on trunks of trees, Kaffraria, Cooper (no. 1814 in Herb. Vindob.) ; Boschberg, *MacOwan* 686.

f. **pleurocarpa** Crombie

Zahlbruckner, Cat. Lich. III : 316.

Lobaria pulmonacea var. *pleurocarpa* Ach., von Flotow (1843) 26 ; Krauss (1846) 201.

on tree trunks, Boschberg, *MacOwan*, 150 ; on old trees, slopes of Table Mt., *Krauss*.

Lobaria quercizans (Ach.) Michx.

Zahlbruckner (1932) 224, Cat. Lich. III : 317.

Sticta quercizans Ach., Drège (1843) 134, 144 ; Crombie (1876 a) 167.

Ricasolia crenulata Nyl. var. *stenospora* Nylander (1860 a) 373.

Ricasolia erosa Nylander (1860 a) 371 ; Stizenberger (1890) no. 388.

Ricasolia Ravenelii Nyl., Stirton (1877) 212.

Stictina quercizans (Ach.) Stizenberger (1890) no. 358.

on tree trunks and mossy rocks, in forest in a valley between 'Buffelrivier' and 'Key', *Drège* ; Hoffmans Kloof, between Enon and Zuureberge, *Drège* ; Table Mt., *Eaton* ; Cape and northern Natal, *Rehmann* ; Transvaal, *McLea*, *Rehmann* ; Buccleuch, *J. M. Sim*, 1447 ; Champagne Castle, *Bayer*, 1740 ; Highbury, *Doidge*, 1557 ; Xumeni Forest, *Doidge*, 1578 ; Knysna, *v. d. Byl* 878, 879, 892 c, 896 ; Grootrivier, *v. d. Byl* 845, 846 ; Storms River, *v. d. Byl* 875 ; Boschberg, *MacOwan* (S.A.M. 46895) 141 ; Blue Lilies Bush, Humansdorp, *Woodcock* (S.A.M. 46927).

Lobaria retigera (Bory) Trevis.

Zahlbruckner, Cat. Lich. III : 321.

Sticta retigera Ach., Nylander (1860 a) 351.

Lobarina retigera Nyl., Stizenberger (1890) no. 367.

on mossy tree trunks, South Africa, *Rehmann* ; ? Boschberg, *MacOwan* (S.A.M. 46983).

Lobaria verrucosa (Scop.) Hoffm.

Zahlbruckner, Cat. Lich. III : 322.

Lobarina scrobiculata Nyl., Stizenberger (1890) no. 366.

on trunks and mossy stones, near Kooksbosch, *Breutel*, *Zeyher*.

Sticta ambavillaria Ach.

Nylander (1860 a) 346 ; van der Byl (1931) 10 ; Zahlbruckner, *Cat. Lich.* III : 369.
on bark, Cape, *Drège* ; Boschberg, *MacOwan* (S.A.M. 46981) ; Keurboomsrivier, *v. d. Byl*
286 (det. Vain.).

Sticta argyracea (Bory) Del.

Zahlbruckner, *Cat. Lich.* III : 370.

Stictina argyracea Nylander (1860 a) 334 ; Stizenberger (1890) no. 348.
on bark, Cape.

f. **rigidula** Zahlbr.

Zahlbruckner, *Cat. Lich.* III : 371.

Stictina argyracea var. *rigidula* Nylander (1869 a) 6 ; Stizenberger (1890) no. 348.
on bark, Durban, *Armstrong*.

Var. **aspera** Krempelh.

Zahlbruckner, *Cat. Lich.* III : 371.

Sticta aspera Laur., *Drège* (1843) 144.
on bark, in forest in a valley between 'Buffelrivier' and 'Key', *Drège*.

Var. **flavescens** Zahlbr.

Zahlbruckner, *Cat. Lich.* III : 372.

Stictina argyracea var. *flavescens* Nyl., Stizenberger (1890) no. 348.
on bark, Cape, *Wilms*.

Sticta aurata (J. E. Sm. & Sow.) Ach.

Drège (1843) 124, 125, 134, 144 ; von Flotow (1843) 27 ; Krauss (1846) 201 ;
Nylander (1860 a) 361, (1869 a) 6 ; Crombie (1876 a) 167 ; Stizenberger
(1890, 1895) no. 379 ; J. Müller-Arg. (1893 a) 509 ; van der Byl (1931) 9 ;
Zahlbruckner (1926 b) 492, *Cat. Lich.* III : 330, VIII : 606.

Stictina aurata Ach., Steiner (1907) 643.

Pseudocyphellaria aurata Wain., Gyelnik (1931 d) 295.

on **Portulacaria afra** Jacq., *Despatch*, *Brunnthaler* ; on bark of **Acacia** and **Gymnosporia**,
Swellendam, *Krauss* ; on mossy rocks and on trunks of trees undet., in forest 'Koratra',
Drège ; in forest in valley between 'Bufelrivier' and 'Key', *Drège* ; between
'Omtata' and 'Omsamwubo', *Drège* ; Hoffmans Kloof, between Enon and Zuure-
berge, *Drège* ; 'Hoogekraalsrivier', *Drège* ; Durban, *Armstrong* ; Table Mt., *Eaton* ;
Transvaal, *Wilms* ; Pondoland, *Bachmann* ; Barberton, *v. d. Byl* 235 (Det. Vain.) ;
Knysna, *Hean*, (*v. d. Byl* 293, det. Vain.), *Duthie* (*v. d. Byl* 417), *Pienaar*, 109 ; Stutter-
heim, *Sr. de Victoria*, 1484 ; Entabene, *Watson*, 1376 ; without locality, *T. R. Sim*,
1458 ; Mt. Mamotsuiri, *Junod* 977 ; Umtali, *Eyles* 4239 (*v. d. Byl* 567, det. A. L. Sm.) ;
Nongoma, *Gerstner*, 1592 ; Kidds Beach, *Schaefer*, 1747 ; Blue Lilies Bush, Humans-
dorp, *Woodcock* (S.A.M. 46928) ; Kentani, *Pegler* (S.A.M. 46897) ; Garcia's Pass,
Thorne (S.A.M. 38829).

Var. **pallens** Nyl.

Stirton (1877) 212 ; Zahlbruckner, *Cat. Lich.* III : 333.

on bark, Boschberg, *MacOwan* (S.A.M. 46985).

Sticta carpoloma Del. var. **albocyphellata** Nyl.

Zahlbruckner, *Cat. Lich.* III : 374.

Stictina carpoloma var. *albocyphellata* Nylander (1869 a) 6.
on bark, Durban, *Armstrong*.

Sticta clathrata (Trevis.) deNot.

Zahlbruckner, Cat. Lich. III : 336.

on dead branches in bush, Highbury, *Doidge*, 1557 b.Var. *subhirsuta*.

van der Byl (1931) 10, ? nom. nud.

on tree trunks, Woodbush, *v. d. Byl* 532 (det. Vain.).**Sticta crocata** (Linn.) Ach.Acharius (1803) 277, (1810) 447, (1814) 232 ; Drège (1843) 80, 84, 88, 105, 114 ;
Massalongo (1861) 49 ; Crombie (1876 a) 167 ; Juel (1918) 49 ; Zahlbruckner
(1926 b) 491, Cat. Lich. III : 376, VIII ; 606.*Lichen crocatus* Linn., Thunberg (1800) 178, (1823) 747.*Stictina crocata* Nylander (1860 a) 338 ; Stizenberger (1890) no. 353.*Cyanisticta crocata* Gyelnik (1931 a) 7, (1931 d) 295.on bark of trees, Table Mt., and Devils Peak, at foot of mountains, *Drège* ; Table Mt.,
Eaton ; Devils Peak, *Ecklon* 25 (S.A.M. 46862) ; in krantzies, Table Mt., *Drège* ;
on trunks, Skeleton Ravine, Table Mt., *Brunnthaler* ; ' Gnadenthal ', *Drège* ; du Toits
Kloof, *Drège* ; Simonsberg, *Drège* ; Cape, without locality, *Thunberg*, *Wawra* ;
Transvaal, *Rehmann* ; Inanda, *Medley Wood* 501, 151 ; Nottingham Road, *v. d. Byl* 37
(det. A. L. Sm.) ; Kentani, *Pegler* (S.A.M. 46956).Var. *isidialia* Gyeln.

Zahlbruckner, Cat. Lich. VIII : 309.

Cyanisticta crocata var. *isidialia* Gyelnik (1931 a) 7.*Pseudocyphellaria crocata* (L.) Wain., var. *isidialia* Gyeln., Magnusson (1940) 15.on bark, South Africa, without locality, *Drège* (sub *Sticta crocata* var. *gilva* in Herb. Mus.
nat. Hist. Wien, pr.p.).**Sticta damaecornis** (Sw.) Ach.Nylander (1860 a) 356 ; Stirton (1877) 212 ; Stizenberger (1890) no. 370 ; Zahl-
bruckner (1926 a) 183, Cat. Lich. III : 337.on bark, Cape of Good Hope ; near Kimberley, *Shaw*.**Sticta endochrysea** Del.von Flotow (1843) 26 ; Krauss (1846) 201 ; Stizenberger (1890 & 1895) no. 377 ;
Zahlbruckner, Cat. Lich. III : 342.? near Lydenburg, *Wilms* ; ? on old trees, slopes of Table Mt., *Krauss*.

Doubtful record.

Sticta fuliginosa (Dicks.) Ach.Zahlbruckner (1926 b) 491, (1932) 225, Cat. Lich. III : 383, VIII : 310, 606 ;
van der Byl (1931) 10.*Stictina fuliginosa* Nyl., Stirton (1877) 212 ; Stizenberger (1890) no. 363 ; Gyelnik
(1931 d) 294.on bark and mossy stones, Van Reenens Pass, *Brunnthaler* ; Knysna, *Duthie* (*v. d. Byl* 406,
418) ; near Knysna, *v. d. Byl* 817 ; Woodbush, *v. d. Byl* 534 (det. Vain.) ; Umtali,
Eyles 4273 (*v. d. Byl* 566, det. A. L. Sm.) ; Pirie Forest, *Doidge*, 223 ; near Haenerts-
burg, *Kapp*, 1767 ; Boschberg, *MacOwan* (S.A.M. 46982).**Sticta gilva** Ach.Acharius (1803) 278, (1810) 448 ; Crombie (1876 a) 167 ; Stizenberger (1890 & 1895)
no. 354 ; Juel (1918) 50 ; Zahlbruckner (1926 b) 491, (1932) 224, Cat. Lich.
III : 386, VIII : 310, 606 ; van der Byl (1931) 10.

Lichen gilvus Acharius (1798) 157 ; Thunberg (1800) 178, (1823) 746.

Sticta crocata var. *gilva* Acharius (1814) 238.

Sticta Ecklonii Sprengel (1827) 330.

Stictina gilva (Ach.) Nylander (1860 a) 339 ; Stizenberger (1890) no. 354 ; J. Müller-Arg. (1893 a) 509.

Cyanisticta gilva Gyelnik (1931 a) 5, (1931 d) 295.

Pseudocyphellaria gilva (Ach.) Malme, Magnusson (1940) 33.

on bark and on mossy stones, Cape, *Thunberg* ; Table Mt., *Ecklon 323, Marloth 102, 104, Eaton, Wilms, Wavra* ; Cape, *Wahlberg, Zeyher* ; Durban, *Gueinzus 6, 10* ; Pondoland, *Bachmann* ; Skeleton Ravine, Table Mt., *Brunnthaler* ; Stellenbosch, *Hofmeyr* (v. d. Byl 445, det. Vain.) ; Devils Peak, on rocks, *Pappe 26* (S.A. M. 46863), *Gueinzus* ; Table Mt., *Dippenaar & du Plessis*.

Var. angustilobata Gyeln.

Zahlbruckner, Cat. Lich. VIII : 310.

Cyanisticta gilva var. *angustilobata* Gyelnik (1931 a) 5.
Cape, *Fee* (sub *Sticta gilva* in Herb. Mus. Berlin Dahlem).

Var. lanata Gyeln.

Zahlbruckner, Cat. Lich. VIII : 311.

Cyanisticta gilva var. *lanata* Gyelnik (1931 a) 5.
Collema lanatum Pers., Zahlbruckner, Cat. Lich. III : 386.
South Africa, *Drège* (Berlin-Dahlem) ; Cape, without locality (Berlin-Dahlem) ; Cape, *Gueinzus* (Berlin-Dahlem).

Var. pseudogilva Gyeln.

Zahlbruckner, Cat. Lich. VIII : 311.

Cyanisticta gilva var. *pseudogilva* Gyelnik (1931 a) 5.
Cape, *Gueinzus* (sub *Sticta gilva* in Herb. Mus. Berlin-Dahlem).

Sticta Hornemanni Fr.

Fries (1820) 43 ; Zahlbruckner, Cat. Lich. III : 349.

Cape of Good Hope : "Exactius non cognita a recentioribus neglecta" Zahlbr. l.c.

Sticta intricata (Nyl.) Del.

Zahlbruckner, Cat. Lich. III : 389.

Stictina intricata Nylander (1860 a) 334, (1869 a) 6 ; Hue (1890) 295 ; Stizenberger (1890) no. 349 ; Steiner (1907) 643.
on trunks of trees, Mt. Mamotsuiri, *Junod 984 pr.p.* ; Durban, *Armstrong* ; Inanda, *Medley Wood 501, 151 a.*

Var. Hesseana Zahlbr.

Zahlbruckner, Cat. Lich. III : 390.

Stictina Hesseana Krempel., Stizenberger (1890) no. 350.
on bark, Cape of Good Hope, *Hesse*.

Sticta limbata Ach.

Zahlbruckner, Cat. Lich. III : 391, VIII : 311, 606.

Stictina limbata Nyl., Stizenberger (1890) no. 361 ; Gyelnik (1931 a) 3, (1931 d) 294.
on mossy trunks, Natal, *Rehmann* ; Transvaal, *Wilms*.

Sticta Mougeotiana (Nyl.) Del.

von Flotow (1843) 26 ; Krauss (1846) 201 ; Zahlbruckner, Cat. Lich. III : 395.

Sticta erythroscypha Taylor (1847) 181.

Cape, Zeyher ; Inanda, *Medley Wood 501*, 151 ; on old trees, slopes of Table Mt., *Krauss*.

Var. **aurigera** Nyl.

Zahlbruckner, Cat. Lich. III : 396.

Stictina Mougeotiana var. *aurigera* Nyl., J. Müller-Arg. (1893 a) 509 ; Stizenberger (1895) no. 356.

on tree trunks, Pondoland, *Bachmann*.

Sticta subcrocata Gyeln.

Zahlbruckner, Cat. Lich. VIII : 312.

Cyanisticta subcrocata Gyelnik (1931 a) 7.

South Africa *Drège* (sub *Sticta crocata* var. *gilva* pr. p., Wien.).

Sticta sylvatica Ach.

Drège (1843) 144 ; Zahlbruckner, Cat. Lich. III : 399, VIII : 606.

Stictina sylvatica Nyl., Stizenberger (1890) no. 363 ; Gyelnik (1931 d) 295.

on tree trunks and branches, Table Mt., *Rehmann* ; Pirie Forest, *Doidge*, 223 ; in forest, in a valley between 'Buffelrivier' and 'Key', *Drège*.

Sticta Thouarsii Del.

Zahlbruckner, Cat. Lich. VIII : 607.

Stictina intricata var. *Thouarsii* Nylander (1869 a) 6 ; Stizenberger (1890) no. 349.

Cyanisticta Thouarsii Gyelnik (1931 d) 298.

on bark, Durban, *Armstrong*.

Sticta tomentosa (Sw.) Ach.

Acharius (1803) 279, (1810) 450, (1814) 234 ; *Drège* (1843) 125 ; Juel (1918) 51 ;

Zahlbruckner, Cat. Lich. III : 403.

Lichen tomentosus Sw., Thunberg (1800) 178, (1823) 746.

Stictina tomentosa Nylander (1869 a) 6 ; Stizenberger (1890) no. 352.

on bark, Cape, *Thunberg* ; Durban, *Armstrong* ; in forest, 'Koratra', *Drège*.

Sticta variabilis (Bory) Ach.

Nylander (1869 a) 6 ; Stizenberger, (1890) no. 376 ; Zahlbruckner, Cat. Lich. III : 366, VIII : 313.

on bark, Durban, *Armstrong*.

Sticta Weigelii Ach.

Zahlbruckner (1932) 224, Cat. Lich. III : 404 ; van der Byl (1931) 10.

Stictina quercizans Nyl., Stizenberger (1890) no. 358.

on bark, Orange Free State, *Cooper 1046 pr.p.* ; Nottingham Road, v. d. Byl 35 (det. A. L. Sm.) ; Woodbush, v. d. Byl 533 (det. Vain.) ; near Tzaneen, *Kapp*, 1762 a.

Var. **sublimbata** Steiner

Steiner (1907) 642 ; Zahlbruckner, Cat. Lich. III : 406.

on bark, Mt. Mamotsuiri, *Junod 981 pr.p.*, 983 ; on rocks in streams, Champagne Castle, *Bayer*, 1740.

PELTIGERACEAE.

Nephroma africanum Gyeln.

Gyelnik (1931 c) 135.
South Africa, without locality, *Drège*.

Nephroma capense Massal.

Massalongo (1861) 85 ; Zahlbruckner (1926 c) Pl. 5, f. 1-4, Cat. Lich. III : 442.
on ground and on trunks of trees, Cape, without locality (ex Herb. Hampe).

Nephroma cellulosum Ach.

Drège (1843) 85 ; Zahlbruckner, Cat. Lich. III : 427.
on bark, Paarlberg, *Drège*.

Nephroma flavireagens Gyeln.

Gyelnik (1931 c) 135.
Cape, without locality, *Gueinzius*.

Nephroma laevigatum Ach.

Zahlbruckner, Cat. Lich. III : 427.
Nephromium laevigatum Nylander (1860 a) 320.
on trunks of trees and on mossy rocks, Cape of Good Hope ; Boschberg, *MacOwan*,
(S.A.M. 46965).

Nephroma resupinatum Ach. f. *helveticum* Rabenh.

Zahlbruckner, Cat. Lich. III : 439.
Nephroma helveticum Ach., *Drège* (1843) 80.
Nephromium helveticum Nyl., Stizenberger (1890) no. 392.
on trunks of trees and on mossy rocks, South Africa, *Gueinzius*, *Breutel*, *Rehmann* ; du
Toits Kloof, *Drège* ; Boschberg, *MacOwan* (S.A.M. 46967).

Nephroma tropicum (Müll. Arg.) Zahlbr.

Zahlbruckner, Cat. Lich. III : 442.
Nephromium tropicum Müll.-Arg., J. Müller-Arg. (1883) 21, (1894) 250.
Stictina membranacea Müll. Arg., J. Müller-Arg. (1893 a) 514 ; Stizenberger (1895)
no. 348bis.
on mossy tree trunks, Baziya, *Baur 715*, Kew.

Peltigera canina (Linn.) Willd.

Crombie (1876 a) 170 ; Stizenberger (1890) no. 396 ; Zahlbruckner, Cat. Lich. III :
457.
amongst mosses on ground and on tree trunks, South Africa ; on trees, Table Mt., *Eaton*.

f. *leucorrhiza* Floerke

Zahlbruckner, Cat. Lich. III : 462.
on ground and on rocks in bush, Lundie's Hill, *Morgan & Doidge*.

f. *membranacea* Duby

Zahlbruckner, Cat. Lich. III : 463.
Peltigera membranacea (Ach.) Nyl., Stizenberger (1890) no. 397.
Boschberg, *MacOwan* ; Natal, *Rehmann* ; Transvaal, *Maclea*, *Wilms*.

Peltigera malacea (Ach.) Funck.

Massalongo (1861) 49 ; Stizenberger (1890) no. 395 ; Zahlbruckner, Cat. Lich. III : 472

? on ground, Cape, *Wawra*.

Peltigera polydactyla (Neck.) Hoffm.

Nylander (1860 a) 326 ; Stizenberger (1890) no. 402 ; Zahlbruckner, Cat. Lich. III : 475.

amongst mosses on ground around tree trunks, Africa, extending to Cape of Good Hope.

f. **hymenina** (Ach.) Flotow.

Stizenberger (1890) no. 402 ; Zahlbruckner, Cat. Lich. III : 479.

on ground amongst mosses, near Kooksbosch, *Breutel*.

Solorina soreidiifera Nyl.

Nylander (1860 a) 331 ; Hue (1890) 312 ; Zahlbruckner, Cat. Lich. III : 420.

Solorinina soreidiifera (Nyl.) Stizenberger (1890) no. 407.

Cape of Good Hope.

LECIDEACEAE.

Bacidia aemula (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. IV : 168.

Lecidea aemula Stizenberger (1891) no. 991.

on bark, Boschberg, *MacOwan* (*Zwackh*. Lich. exsic. 822).

Bacidia amylothelia Vain.

Vainio (1926) 18 ; van der Byl (1931) 10 ; Zahlbruckner, Cat. Lich. VIII : 397.

Bacidia laurocerasi Wain. var. *amylothelia* (Wain.) Zahlbruckner, Cat. Lich. IV : 124.

Lecidea laurocerasi Nyl. var. *amylothelia* Vainio (1901) 420.

on bark of tree, Onrust, v. d. Byl 328 (det. Vain.) ; also in tropical Angola.

Bacidia Beckhausii (Stizenb.) Körb.

Zahlbruckner, Cat. Lich. IV : 180.

Bacidia bacillifera Branth. & Rostr., van der Byl (1931) 10.

on trunk of *Quercus* sp., v. d. Byl 86 (det. Merrill).

Var. *stenospora* Arn. f. *acutata* Zahlbr.

Zahlbruckner, Cat. Lich. IV : 182.

Lecidea stenospora (Hepp.) Nyl. var. *acutata* Stizenberger (1891) 145, no. 1009.

on branches in bush, Karkloof, *Rehmann*.

Bacidia capreolina (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. IV : 184.

Lecidea capreolina Stizenberger (1891) 143, no. 994.

on branches of trees, Spitzkop, near Lydenburg, *Wilms*.

Bacidia caruncula (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. IV : 104.

Lecidea caruncula Stizenberger (1891) 141, no. 979.

on branches in bush, Karkloof, *Rehmann*.

Bacidia chlorophaeata (Nyl.) Zahlbr.

Zahlbruckner, Cat. Lich. IV : 185.

Lecidea chlorophaeata Nyl. apud Crombie (1876 a) 176, (1876 b) 20 ; Stizenberger (1891) no. 1002 ; Hue (1891) 122.
on rocks, Table Mt., *Eaton*.

Bacidia cyrtocheila (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. IV : 109.

Lecidea cyrtocheila Stizenberger (1891) 140, no. 975.
on bark of trees, Boschberg, *MacOwan* (Herb. Lojka) Type.

Bacidia effusa (J. E. Sm.) Trevis. var. *intermedia* Zahlbr.

Zahlbruckner, Cat. Lich. IV : 191.

Lecidea intermedia Nyl., Stizenberger (1891) no. 998.
on bark, Boschberg, *MacOwan*.

Bacidia endoleuca (Nyl.) Kickx.

Zahlbruckner (1932) 237, Cat. Lich. IV : 192 ; van der Byl (1931) 10.

Lecidea endoleuca Nylander (1869 a) 11 ; Stizenberger (1891) no. 984.
on bark, Durban, *Armstrong* ; Boschberg, *MacOwan 1072* ; near Lydenburg, *Wilms* ; on bark of *Cassine croceum* P. Ktze., Hoofbos, Knysna, *v. d. Byl 697, 904, 909* ; on branches of *Canthium* sp., Brenton, Knysna, *v. d. Byl 668* ; on *Populus* sp., Zwart Brug, George, *v. d. Byl 930*.

Bacidia endoleucella (Stizenb.) Zahlbr.

Zahlbruckner (1932) 237, Cat. Lich. IV : 193.

Lecidea endoleucella Stizenberger (1891) 142, no. 988.
on bark, Cape, *MacOwan* (Herb. Lojka) Type ; on branches of *Rapanea melanophleas* Mez., The Heads, Knysna, *v. d. Byl 675*.

Bacidea epicyanea Vain.

Vainio (1926) 17 ; van der Byl (1931) 10 ; Zahlbruckner, Cat. Lich. VIII : 401.

on bark of *Curtisia faginea* Ait., near Knysna, *v. d. Byl 259*, Type.

Bacidia Friesiana (Hepp.) Anzi var. *Norrlinii* Vain.

Zahlbruckner, Cat. Lich. IV : 199.

Lecidea Norrlinii Lamy, Stizenberger (1891) no. 1000.
on bark, Durban, *Wilms*.

Bacidia fusciorubella (Hoffm.) Bausch

Zahlbruckner (1932) 240, Cat. Lich. IV : 200.

Lecidea fusciorubella (Hoffm.) Röhl., Stizenberger (1891) no. 993.
on bark of a pomiferous tree, near Lydenburg, *Wilms* ; on bark, Hoofbos, Knysna, *v. d. Byl 890* ; on bark of *Fagara capensis* Thunb., Winkle Spruit, *v. d. Byl 54* (det. A. L. Sm.).

Bacidia heteroloma (Wain.) Zahlbr.

Zahlbruckner, Cat. Lich. IV : 204.

f. *firmior* Vain., van der Byl (1931) 10, ? nom. nud.
on bark, Hopefield, *v. d. Byl 148* (det. Vain.).

Bacidia inconsequens (Nyl.) Zahlbr.

Zahlbruckner, Cat. Lich. IV : 115.

Lecidea inconsequens Nylander (1869 a) 10 ; Hue (1891) 106 ; Stizenberger (1891) no. 980.on bark, Durban, *Armstrong*, Type.**Bacidia inconveniens** (Nyl.) Zahlbr.

Zahlbruckner, Cat. Lich. IV : 208.

Lecidea inconveniens Nylander (1869 a) 11 ; Stizenberger (1891) no. 1006.
on bark, Durban, *Armstrong*, Type.**Bacidia intermedia** Hampe

apud Massalongo (1861) 89 ; Zahlbruckner, Cat. Lich. IV : 252.

on bark, Cape of Good Hope.

Bacidia leucostephana (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. IV : 214.

Lecidea leucostephana Stizenberger (1891) 142, no. 987.
on bark, Boschberg, *MacOwan 516*, 52, Type.**Bacidia lugubris** (Norm.) Zahlbr.

Zahlbruckner, Cat. Lich. IV : 163.

Lecidea caudata Nyl., Stizenberger (1891) no. 1110.*Rhopalospora caffra* Massalongo (1861) 73.
on sandstone rocks, Cape, *Wawra*.**Bacidia luteola** (Schrad.) Mudd

Zahlbruckner, Cat. Lich. IV : 215.

Lecidea luteola Ach., Stirton (1877) 218 ; Stizenberger (1891) no. 981.
on bark, Durban, *Medley Wood* (MacOwan 204) Boschberg, *MacOwan 510*, 53.f. **chlorotica** Zahlbr.

Zahlbruckner, Cat. Lich. IV : 218.

? *Lecidea chlorotica* (Ach.) Nyl., Stizenberger (1891) no. 999.*Lecidea luteola* var. *chlorotica* Ach., Stirton (1877) 218.
on trunks of trees, Boschberg, *MacOwan 513*, 54.f. **conspondens** Zahlbr.

Zahlbruckner, Cat. Lich. VI : 219.

Lecidea luteola f. *conspondens* Nyl., Stirton (1877) 218.
on trunks of trees, Boschberg, *MacOwan*.**Bacidia medialis** (Tuckerm.) Zahlbr.

Zahlbruckner, Cat. Lich. IV : 221.

Lecidea medialis Tuckerm., Stizenberger (1891) no. 1003.
on bark, Boschberg, *MacOwan 510*, 56.

Bacidia millegrana (Tayl.) Zahlbr.

Zahlbruckner (1932) 237, Cat. Lich. IV : 222.

Lecidea millegrana Nylander (1869 a) 11 ; Stirton (1877) 218 ; Stizenberger (1891) no. 983.on bark, Durban, *Armstrong* ; Boschberg, *MacOwan* 510, 56 ; Hoofbos, Knysna, *v. d. Byl* 893.**Bacidia proposita** (Nyl.) Zahlbr.

Zahlbruckner, Cat. Lich. IV : 234.

Lecidea proposita Nyl., Stirton (1877) 219 ; Stizenberger (1891) no. 991.
on rocks, South Africa.**Bacidia rufata** (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. IV : 239.

Lecidea rufata Stizenberger (1891) 144, no. 995.on bark of tree of the family Malvaceae, near Durban, *Wilms*, Type.? **Bacidia sabuletorum** Lettau

Zahlbruckner, Cat. Lich. IV : 140.

Lecidea sabuletorum (? author) Drège (1843) 52.on ground, Witberg, *Drège*.**Bacidia stipposa** (Massal.) Zahlbr.

Zahlbruckner (1905) 135, Cat. Lich. IV : 241.

Byssospora stipposa Massalongo (1861) 89.on trunks of trees, Cape of Good Hope, *Drège* (Herb. Hampe).**Bacidia subluteola** (Nyl.) Zahlbr.

Zahlbruckner, Cat. Lich. IV : 243.

Lecidea subluteola Nyl., Stirton (1877) 219.

on bark, South Africa, without locality.

Bacidia subpadicea (Müll. Arg.) Zahlbr.

Zahlbruckner, Cat. Lich. IV : 244.

Lecidea subpadicea Stizenberger (1891) 145, no. 1008.on bark, near Lydenburg, *Wilms*.**Bacidia trifaria** (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. IV : 246.

Lecidea trifaria Stizenberger (1891) 142, no. 985.on bark of trees in bush, near Karkloof, *Rehmann*, Type.**Catillaria chalybeia** (Borr.) Massal.

Zahlbruckner, Cat. Lich. IV : 13.

Lecidea chalybeia Borr., Crombie (1876 a) 178 ; Stizenberger (1891) no. 1193.on rocks, Table Mt., *Eaton* ; Lions Head, *MacOwan*.**Catillaria Finckei** Zahlbr.

Zahlbruckner (1921) 238, (1926 b) 494, Cat. Lich. IV : 17, VIII : 389.

on sandstone, Windhoek, *Fincke*, Type.

Catillaria intermixta (Nyl.) Arn.

Zahlbruckner (1932) 237, Cat. Lich. IV : 47.

on bark, Garden of Eden, Knysna, *v. d. Byl* 865 ; Grootrivier, *v. d. Byl* 834.f. **cyanocentra** Zahlbr.

Zahlbruckner, Cat. Lich. IV : 48.

Lecidea intermixta f. *cyanocentra* Nylander (1869 a) 48.on bark, Durban, *Armstrong*.**Catillaria lenticularis** (Ach.) Th. Fr.

Zahlbruckner (1932) 237, Cat. Lich. IV : 49 ; van der Byl (1931) 10.

on schistose rocks, Hermanus, *v. d. Byl* 780 ; on rocks, Glencairn, *v. d. Byl* 1003.f. **chloropoliza** Boist.

Zahlbruckner, Cat. Lich. IV : 52.

Lecidea chloropoliza Nyl., Stizenberger (1891) no. 1199.on rocks, Table Mt., *Eaton*.**Catillaria melampepla** (Tuckerm.) Zahlbr.

Zahlbruckner, Cat. Lich. IV : 21.

Lecidea melampepla Tuckerman (1860) 419 ; Stizenberger (1891) no. 969.*Biatora melampepla* Tuckerman (1888) 157.on bark of shrubs, Simonstown, *Wright*, Type.**Catillaria mollescens** Zahlbr.

Zahlbruckner (1936) 169.

on bark of *Acacia melanoxylon* R. Br., Knysna, *v. d. Byl* 919, Type.**Catillaria mortualis** (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. IV : 21.

Lecidea mortualis Stizenberger (1891) 180, no. 1198.on rocks, Table Mt., *MacOwan*, Type.**Catillaria nigroclavata** (Nyl.) Schuler

Zahlbruckner, Cat. Lich. IV : 60.

Lecidea lenticularia var. *nigroclavata* (Nyl.) Stizenberger (1891) no. 1192.on bark of *Pinus* sp., Table Mt., *MacOwan*.**Catillaria opacata** (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. IV : 63.

Lecidea opacata Stizenberger (1891) 179, no. 1196.on sandstone rocks, Cape, *MacOwan*, Type.**Catillaria rhypharoleuca** Massal.Massalongo (1861) 70 as *C. rhypharoleuca* ; Zahlbruckner, Cat. Lich. IV : 68.*Lecidea rhypharoleuca* Stizenberger (1891) 179, no. 1197on quartzite rocks, Devil's Peak, *Wawra*, Type.

Catillaria stictella (Stirt.) Zahlbr.

Zahlbruckner, Cat. Lich. IV : 73.

Lecidea stictella Stirton (1877) 218.on bark, Cape, *MacOwan*, Type.**Catillaria subfuscata** (Nyl.) Zahlbr.

Zahlbruckner, Cat. Lich. IV : 73.

Lecidea subfuscata Nylander (1859) 243 ; Hue (1891) 111 ; Stizenberger (1891) no. 964. Cape, without locality.**Lecidea achristella** Vain.

apud Lynge (1937) 84.

on bark of *Acacia mollissima* Willd., Howick, *v. d. Byl* 198, Type.**Lecidea aeneola** (Arn.) Wain. var. **fuscoatrata** (Nyl.) Zahlbr.

Zahlbruckner, Cat. Lich. III : 501.

Lecidea fuscoatrata Nyl., Stizenberger (1891) no. 1108.on sandstone rocks, summit of Lion's Head and Table Mt., *MacOwan*.**Lecidea affine** Merrill.

van der Byl (1931) 11, ? nom. nud.

on stone, Klapmuts, *v. d. Byl* (det. Merrill.)**Lecidea albocoerulescens** (Wulf) Ach.

Stizenberger (1891) no. 1080 ; Zahlbruckner, Cat. Lich. III : 504.

on rocks, Lion's Head, *MacOwan*.Var. **flavocoerulescens** (Hornem.) Schaer.

Stizenberger (1891) no. 1080.

on rocks, Hottentot's Holland Mts., *MacOwan*.**Lecidea angolensis** Müll. Arg.

J. Müller-Arg. (1880 a) 35 ; Stizenberger (1891) 158, no. 1093 ; Schultze (1907) 706 ; Zahlbruckner (1926 b) 492, Cat. Lich. III : 513.

on rocks, Lydenburg, *Wilms* ; Lebombo Mts., *Wilms* ; Boschberg, *MacOwan* ; Kooa, Kalahari, *Schultze 51 b* ; on sandstone, Genadendal, near Caledon, *Brunnthaler*.**Lecidea anteposita** Nyl.

Nylander (1869 a) 9 ; Hue (1891) 107 ; Stizenberger (1891) no. 932 ; Zahlbruckner, Cat. Lich. III : 733.

on bark, Durban, *Armstrong*, Type.**Lecidea aporetica** Stizenb.

Stizenberger (1891) 138, no. 957 ; Zahlbruckner, Cat. Lich. III : 734.

on trunks of trees, Boschberg, *MacOwan*, Type.**Lecidea Bruguierae** Vain.

Vainio (1926) 19 ; Zahlbruckner, Cat. Lich. VIII : 367.

on bark of *Bruguiera gymnorhiza* Lam., near Durban, *v. d. Byl* 140, Type.

Lecidea buxea Stizenb.

Stizenberger (1891) 155, no. 1077 ; Zahlbruckner, Cat. Lich. III : 530.
on rocks, " Duivels Knokler ", near Lydenburg, *Wilms*, Type.

Lecidea caledonica Zahlbr.

Zahlbruckner (1932) 228.
on sandstone rocks, Genadendal Mt., *Brunnthaler*, Type.

Lecidea capensis Zahlbr.

Zahlbruckner, Cat. Lich. III : 532.
Lecidea ochroidea Stizenberger (1891) 159, no. 1100.
on sandstone rocks, summit of Lion's Head, *MacOwan*, Type.

Lecidea cinnamomea Stizenb.

Stizenberger (1891) 138, no. 954 ; Zahlbruckner, Cat. Lich. III : 748.
on bark of pomiferous trees, near Lydenburg, *Wilms*, Type.

Lecidea crassa Stizenb.

Stizenberger (1891) 134, no. 928 ; Zahlbruckner, Cat. Lich. III : 866.
Leparia crassa Nees apud Stizenberger, l.c.
on ground, Cape, *Zeyher*, Type ; near Sir Lowry Pass, *MacOwan*.

Lecidea crenata (Tayl.) Stizenb.

Stizenberger (1891) 149, no. 1042 ; Zahlbruckner, Cat. Lich. III : 866.
Endocarpon crenatum Taylor (1847) 156.
on the ground, near the Saltpan of the Zwartkops River, Uitenhage, *Zeyher*, (Herb. Hook.) Type ; Worcester and Matjesfontein, *Brunnthaler* ; Namaqualand, *R. Marloth* ; in dry watercourses, Kalahari Desert, *Schinz* ; Aughrabies Falls, *Barnard* (S.A.M. 28815) ; between Montagu and Triangle, *Barnard* (S.A.M. 28646).

Var. **coroniformis** (Krempelh.) Zahlbr.

Zahlbruckner (1932) 236, Cat. Lich. III : 866.
Lecidea coroniformis Krempelh., van der Byl (1931) 10.
on ground, Jansenville, v. d. Byl 702 ; near Douglas, *Grosskopf* (v. d. Byl 1043) ; Karroo, v. d. Byl 1044 ; Steinkopf, Namaqualand, *Meyer* (v. d. Byl 947).

Var. **speirea** (Tayl) Zahlbr.

Zahlbruckner, Cat. Lich. III : 866.
Endocarpon speireum Taylor (1948) 156.
on the ground, Bushman's country, *Zeyher*, Type (Herb. Hook.).

Lecidea crustulata (Ach.) Floerke.

Drège (1843) 86 ; Zahlbruckner, Cat. Lich. III : 549.
Lecidea nitidula Fries, von Flotow (1843) 21 ; Krauss (1846) 200.
on rocks, Paarlberg, *Drège* ; slopes of Lions Head, *Krauss*.

Lecidea cyanocentra Nyl.

Nylander (1869 a) 9 ; Stizenberger (1891) no. 963 ; not in Zahlbr. Cat. Lich.
on bark, Durban, *Armstrong*, Type.

Lecidea deceptor Nyl.

Zahlbruckner (1932) 236, Cat. Lich. III : 867 ; van der Byl (1931) 10.
on decomposed rocks, Stellenbosch, *Duthie* (v. d. Byl 784).

Lecidea decipiens Ach.

Drège (1843) 52, 67, 92, 108 ; Stizenberger (1891) no. 1040 ; Zahlbruckner, Cat. Lich. III : 867.

Lichen incarnatus Thunberg (1800) 176, (1823) 742.

Biotora decipiens Fr., von Flotow (1843) 21 ; Krauss (1846) 200.

Patellaria incarnata Ach., Juel (1918) 50.

on calcareous soil and on crumbling rock, Cape, *Thunberg* ; Witberg, *Drège* ; Boschberg, *MacOwan*, 50 ; Haifischinsel, *Fincke* ; in the Karroo below the Bokkeveld, *Thunberg* ; near Koega River, *Krauss* ; between Droogeheuvelds and Jakhalsfontein, *Drège* ; between Natyot and Garip, *Drège* ; on dry, stony hills, Ebenezer, *Drège*.

Lecidea decrustulata Vain.

Vainio (1926) 25 ; van der Byl (1931) 10 ; Zahlbruckner, Cat. Lich. VIII ; 339.
on sandstone rock, Stellenbosch, v. d. *Byl* 252, Type and v. d. *Byl* 258 pr.p.

Lecidea elaeochroma Ach.

Drège (1843) 86 ; Zahlbruckner (1932) 225, Cat. Lich. III : 567.

Lecidea parasema Ach. var. *elaeochroma* Ach., Crombie (1876 a) 177 ; Stizenberger (1891) no. 1062.

Lecidea olivacea Massal., van der Byl (1931) 10.

on bark, near Cape Town, *MacOwan* ; Table Mt., *Eaton* ; The Heads, Knysna, v. d. *Byl* 681 ; on bark of *Quercus* sp., Elsenburg, v. d. *Byl* 241 (det. Vain.) ; Genadendal, *Brunthaler* ; Paarlberg, *Drège*.

f. **flavicans** (Ach.) Th. Fr.

Zahlbruckner (1932) 226, Cat. Lich. III : 570.

on bark of *Fraxinus excelsior* Linn., Stellenbosch, v. d. *Byl* 816.

f. **geographica** (Bagl.) Zahlbr.

Zahlbruckner, Cat. Lich. III : 571.

Lecidea enteroleuca Ach. var. *geographica* Bagl., Stizenberger (1891) no. 1066.
on bark, Table Mt., *Wilms* ; Lydenburg, *Wilms*.

Var. **hyalina** (Martius) Zahlbr.

Zahlbruckner, Cat. Lich. III : 571.

Lecidea olivacea Massal. var. *ambigua* Lettau, van der Byl (1931) 10.
on trunk of *Quercus* sp., Klappmuts, v. d. *Byl* 141 (det. Vain.) ; Cape Town, Eyles (v. d. *Byl* 386) ; Elsenburg, v. d. *Byl* ; on *Rapanea melanophleas* Mez., The Heads, Knysna, v. d. *Byl*.

Lecidea elginensis Zahlbr.

Zahlbruckner (1936) 166.

on quartz rock, Viljoensdorp near Elgin, v. d. *Byl* 1012, Type.

Lecidea epichromatica Zahlbr.

Zahlbruckner (1932) 227.

on quartz rocks, Cape Point, v. d. *Byl* 1006, Type.

Lecidea esuriens Zahlbr.

Zahlbruckner (1936) 168.

on sandstone, Botany Bay, v. d. *Byl* 999, Type.

Lecidea exigua Chaub.

Zahlbruckner, Cat. Lich. III : 758.

Lecidea parasema Ach. var. *exigua* Nyl., Stizenberger (1891) no. 1062.
on bark, near Lydenburg, *Wilms*.

Lecidea exiguella Vain.

Vainio (1926) 21 ; van der Byl (1931) 10 ; Zahlbruckner, Cat. Lich. VIII : 369.
on bark of *Pinus* sp., Stellenbosch, *v. d. Byl 344*, Type.

Lecidea Finckei Zahlbr.

Zahlbruckner (1921) 237, (1926 b) 493, Cat. Lich. III : 760, VIII : 369.
on granite, Haifischinsel, off Lüderitzbucht, *Fincke* Type.

Lecidea fucina Stizenb.

Stizenberger (1891) 154, no. 1074 ; Zahlbruckner, Cat. Lich. III : 578.
on rocks in Warm Bokkeveld Mts., near Ceres, *MacOwan*, Type.

Lecidea fuscoatra Ach.

Zahlbruckner, Cat. Lich. III : 579.
Lecidea fumosa Ach., Drège (1843) 80, 85.
on rocks, du Toits Kloof, *Drège* ; Paarlberg, *Drège*.

Lecidea fuscotabulata Stizenb.

Stizenberger (1891) 162, no. 1109 ; Zahlbruckner, Cat. Lich. III : 587.
on hard rock, near Lydenburg, *Wilms*, Type.

Lecidea gëina Stizenb.

Stizenberger (1891) 154, no. 1075 ; Zahlbruckner, Cat. Lich. III : 587.
on ground, Lion's Head, *MacOwan*, Type.

Lecidea glebaria Stizenb.

Stizenberger (1891) 137, no. 953 ; Zahlbruckner, Cat. Lich. III : 768.
on ground, Spitzkop, near Lydenburg, *Wilms*, Type.

Lecidea glencairnensis Zahlbr.

Zahlbruckner (1932) 226.
on sandstone rocks, Glencairn, *v. d. Byl 1002*, Type.

Lecidea glomerulosa (DC) Steud.

van der Byl (1931) 10 ; Zahlbruckner, Cat. Lich. III : 588.
on trunk of *Quercus* sp., Stellenbosch, *v. d. Byl 237* (det. Vain.).

Lecidea gouritzensis Vain.

Vainio (1926) 25 ; van der Byl (1931) 10 ; Zahlbruckner, Cat. Lich. VIII : 342.
on rock, Gouritz River, *v. d. Byl 374*, Type.

Lecidea granifera (Ach.) Wain.

Wainio (1901) 424 ; Stizenberger, Cat. Lich. III : 768.
Lecidea aurigera Fée, Nylander (1869 a) 9 ; Hue (1891) 105 ; Stizenberger (1891)
no. 940.
on bark, Durban, *Armstrong*.

Lecidea granulosula Nyl.

apud Crombie (1876 a) 177, (1876 b) 21 ; Hue (1891) 127 as *L. granulosa* ; Stizenberger (1891) no. 1069 ; Zahlbruckner, Cat. Lich. III : 592.
on rocks, Table Mt., *Eaton*, Type ; Lion's Head, *MacOwan*.

Lecidea grisella Floerke var. **Mosigii** Zahlbr.

Zahlbruckner, Cat. Lich. III : 594.
Lecidea fumosa var. *Mosigii* von Flotow (1843) 29 ; Krauss (1846) 200.
on decomposed granite, Camps Bay, *Krauss*.

Lecidea griseofuscuscula Vain.

apud Lynge (1937) 84 ; van der Byl (1931) 10.
on trunk of tree, Eshowe, v. d. *Byl* 185, 186, 190, 194 (number of type not quoted by Lynge).

Lecidea guamensis Vain.

van der Byl (1931) 10.
on trunk of tree, Pinetown, v. d. *Byl* 173, det. Vain.

Lecidea hereroënsis Zahlbr.

Zahlbruckner (1926 b) 492, Cat. Lich. VIII : 371.
f. *genuina* Zahlbr.
Zahlbruckner, l.c.
on primitive rocks, Windhoek, *Fincke*, Type.
f. *depauperata* Zahlbr.
Zahlbruckner, l.c.
on primitive rocks, Haifischinsel, on Lüderitzbucht, *Fincke*, Type.

Lecidea howickensis Vain.

Vainio (1926) 24 ; van der Byl (1931) 10 ; Zahlbruckner, Cat. Lich. VIII : 343.
on rock, Howick, v. d. *Byl* 223, Type.

Lecidea hysbergensis Vain.

Vainio (1926) 24 ; van der Byl (1931) 10 ; Zahlbruckner, Cat. Lich. VIII : 343.
on rock, Hysberge, between Callitzdorp and Ladismith, v. d. *Byl* 373, Type.

Lecidea inscripta Stizenb.

Stizenberger (1891) 154, no. 1072 ; Zahlbruckner, Cat. Lich. III : 599.
on rocks, near Lydenburg, *Wilms*, Type.

Lecidea insculpta Flotow

von Flotow (1843) 20 ; Krauss (1846) 200 ; Zahlbruckner, Cat. Lich. III : 599.
on rocks, Tygerberg, *Krauss*, Type.

f. **oxydata** Flotow.

von Flotow, l.c.
on rocks, Cape of Good Hope.

Lecidea lactaria Stizenb.

Stizenberger (1891) 158, no. 1094 ; Zahlbruckner (1932) 225, Cat. Lich. III : 604.
on red sandstone rocks, Lion's Head, *MacOwan*, Type ; on schistose rocks, Van Reenen's
Pass, *Brunnthaler*.

Lecidea lactens Stizenb.

Stizenberger (1891) no. 1076.
on sandstone rocks, Lion's Head, *MacOwan*, Type.

Lecidea langbaanensis Vain.

Vainio (1926) 23 ; van der Byl (1931) 10 ; Zahlbruckner, Cat. Lich. VIII : 345.
on granite rocks, Langebaan, *v. d. Byl* 357, Type.

Lecidea leptobola Nyl.

Nylander (1868) 515 ; Hue (1891) 130 ; Stizenberger (1891) no. 1097 ; Wainio
(1901) 426 ; Zahlbruckner, Cat. Lich. III : 615.
on sandstone rocks, Serra de Lopollo, near Huilla, *Welwitsch*.

Lecidea (?) lithagogo Wain.

Wainio (1901) 425 ; Zahlbruckner, Cat. Lich. III : 68.
Lecanora lithagogo Nylander (1868) 512 ; Hue (1891) 79 ; Stizenberger (1890) no. 828.
on calcareous rocks, Serra de Montes Negros, near Mossamedes, *Welwitsch* 16, 51 *pr.p.*

Lecidea meiospora Nyl.

Crombie (1876 a) 177 ; Stizenberger (1891) no. 1082 ; Zahlbruckner, Cat. Lich.
III : 634.
on schistose rocks, Table Mt, *Eaton*.

Lecidea mossamedana Wain.

Wainio (1901) 424 ; Zahlbruckner, Cat. Lich. III : 803.
on limestone rocks, Serra de Montes Negros, *Welwitsch* 13, 15 *pr.p.*, Type.

Lecidea mutabilis Fée

Nylander (1869 a) 9 ; Stizenberger (1891) no. 930 ; J. Müller-Arg. (1893 b) 298 ;
Schinz (1905) 395 ; Zahlbruckner, Cat. Lich. III : 803.
on bark, Durban, *Armstrong* ; near Boroma, *Menyharth*.

Lecidea natalensis Nyl.

Crombie (1877) 215 ; Stizenberger (1891) no. 945 ; Hue (1891) 109 ; Zahlbruckner,
Cat. Lich. III : 804.
Lecidea fuscorubescens Nylander (1869 a) 9 (not *L. fuscorubescens* Nyl. in Lich. Andam.
1873).
on bark, Durban, *Armstrong*, Type.

Lecidea nigropallida Nyl.

Nylander (1857) 124 ; Stizenberger (1891) no. 1055.
Cape of Good Hope, *Drège*.

Lecidea obumbrata Nyl.

apud Crombie (1876 a) 177 ; Hue (1891) 129 ; Stizenberger (1891) no. 1111 ;
Zahlbruckner, Cat. Lich. III : 643.
on rocks, Table Mt., *Eaton*, Type, *Jelinek*.

Lecidea ochroplaca Zahlbr.Var. **intermedia** Zahlbr.

Zahlbruckner (1936) 167.
on sandstone, Sutherland Distr., v. d. *Byl* 1078, Type ; Calvinia, v. d. *Byl* 1129 ; Namaqua-
land, v. d. *Byl* 1205.

Var. **leprosa**

Zahlbruckner (1936) 166.
on sandstone, between Calvinia and Middelpos, v. d. *Byl* 1093, Type, 1114.

Var. **polita** Zahlbr.

Zahlbruckner (1936) 167.
on sandstone, van Rhynsdorp, v. d. *Byl* 1182, Type.

Lecidea ochroxantha Nyl. f. **aethiopica** Stizenb.

Stizenberger (1891) 134, no. 922 ; Zahlbruckner, Cat. Lich. III : 884.
on bark, Boschberg, *MacOwan* 511, 58.

Lecidea oligocheila Zahlbr.

Zahlbruckner (1936) 167.
on sandstone rocks, Stellenbosch, v. d. *Byl* 971, Type.

Lecidea opalina Stizenb.

Stizenberger (1891) 138, no. 955 ; Zahlbruckner, Cat. Lich. III : 808.
on bark, near Lydenburg, *Wilms*, Type.

Lecidea orbiculata Stizenb.

Stizenberger (1891) 157, no. 1092 ; Zahlbruckner, Cat. Lich. III : 644.
on rocks, near Lydenburg, *Wilms*, Type.

Lecidea Owania Müll. Arg.

J. Müller-Arg. (1893 d) 127 ; Stizenberger (1895) no. 1083*bis* ; Zahlbruckner,
Lich. III : 645.
on hard clay ground, South Africa, *MacOwan* 531, Type, Kew.

Lecidea pallidonigra Ach.

Acharius (1803) 43, (1810) 172, (1814) 23 ; Sprengel (1827) 257 ; Stizenberger
(1891) no. 1071 ; Juel (1918) 50 ; Zahlbruckner, Cat. Lich. III : 645.
Lichen pallidoniger Acharius (1798) 80 ; Thunberg (1800) 80, (1823) 742.
Lichen peltatus **Lecidea pallidonigra* Lamarck (1813) 387.
on clay soil, near Cape Town, *Thunberg*.

Lecidea pantherina (Hoffm.) Ach.

Zahlbruckner, Cat. Lich. III : 647.

Lecidea lactea Floerke, Drège (1843) 86, 94 ; Nylander (1869 a) 12 ; Stizenberger (1891) no. 1090.
on rocks, Durban, *Armstrong* ; Garip, near mouth of Orange River, *Drège* ; Paarlberg, *Drège*.

Lecidea parasema Ach.

von Flotow (1843) 21 ; Drège (1843) 80 ; Krauss (1846) 200 ; Zahlbruckner, Cat. Lich. III : 651.

Lecidea enteroleuca Ach., Stizenberger (1891) no. 1066.
on sandstone rocks, Lion's Head, *MacOwan* ; Cape, *Wilms* ; du Toits Kloof, *Drège* ;
on bark of *Gymnosporia*, near Uitenhage, *Krauss*.

Var. *areolata* Merrill

van der Byl (1931) 10 ? nom nud. (? not var. *areolata* Duf.).
on trunk of *Ficus* sp., Klapmuts, v. d. *Byl 90* (det. Merrill.).

Var. (?) *atropurpurea* Flotow.

von Flotow (1843) 21 ; Krauss (1846) 200 ; Zahlbruckner, Cat. Lich. III : 660
on bark of trees, near Constantia, *Krauss*.

Lecidea paraspeirea Stizenb.

Stizenberger (1891) 156, no. 1085 ; Zahlbruckner, Cat. Lich. III : 665.
on sandstone rocks, near Muizenberg, *MacOwan*, Type.

Lecidea peltasta Stirt.

Stirton (1877) 218 ; Zahlbruckner, Cat. Lich. III : 888.
on ground, Boschberg, *MacOwan*, Type.

Lecidea peltoloma Müll. Arg.

J. Müller-Arg. (1886) 287 ; Stizenberger (1891) 157, no. 1091. Zahlbruckner,
Cat. Lich. III : 665.
on red sandstone rocks, near Lydenburg, *Wilms* ; Boschberg, *MacOwan*.

Lecidea peltulidea Stirt.

Stirton (1876) 160 ; Zahlbruckner, Cat. Lich. III : 888.
on the ground, South Africa, ? *MacOwan*.

Lecidea phalerata Stizenb.

Stizenberger (1891) 133, no. 917 ; Zahlbruckner, Cat. Lich. III : 889.
on crumbling granite rocks, Lion's Head, *MacOwan*, Type.

Lecidea placodina Nyl.

Nylander (1868) 514 ; Hue (1891) 128 ; Stizenberger (1891) no. 1064 ; Wainio
(1901) 422 ; Zahlbruckner, Cat. Lich. III : 889.
on quartzite rocks, between Caroca and Cazimba, nr. Mossamedes, *Welwitsch 49*.

Lecidea promontorii Zahlbr.

Zahlbruckner (1932) 232.
on non-calcareous rocks, slopes of Table Mt. opposite Camps Bay, *Brunnthaler*.

Lecidea quartzina Stizenb.

Stizenberger (1891) 160, no. 1102 ; Zahlbruckner, Cat. Lich. III : 682.
on pieces of quartzite and crumbling granite rock, Lion's Head, *MacOwan*, Type.

Lecidea remota Vain.

van der Byl (1931) 10, ? nom. nud.
on tree trunks, Woodwush, *v. d. Byl 527* (det. Vain.)

Lecidea rhynsdorpensis Zahlbr.

Zahlbruckner (1932) 230.
on friable quartz rocks, Van Rhyn's Pass, van Rhynsdorp, *v. d. Byl 764*, Type.

Lecidea rivulosa Ach.

Zahlbruckner (1932) 236, Cat. Lich. III : 818.
on granite rocks, Caledon, *Brunnthaler*.

Lecidea russula Ach.

Stizenberger (1891 & 1895) no. 927 ; J. Müller-Arg. (1893 b) 298 ; Wainio (1901) 422 ; Zahlbruckner (1932) 236, Cat. Lich. III : 823.
on hard rocks, near Lydenburg and Krugerspost, *Wilms*.
on branches and trunks of trees and shrubs, near Boroma, *Menyharth 255* ; in high forest, Morro de Lopollo, *Welwitsch 37, 39, 40* ; near Salisbury, *v. d. Byl 601* ; Onrust, *v. d. Byl 326 pr. p.* (det. Vain.).

Lecidea speirea Ach.

Drège (1843) 92 ; Zahlbruckner, Cat. Lich. III : 692.
Lecidea crenata (Tayl.) Stiz. var. *speirea* Stizenberger (1891) 149, no. 1042. (See also *Lecidea crenata* var. *speirea* Zahlbr.).
on rocks, Cape, *Zeyher* ; between Natvoet and Garip, *Drège*.

Lecidea squamifera Stizenb.

Stizenberger (1891) 160, no. 1101 ; Zahlbruckner, Cat. Lich. III : 696.
on rocks and clay, Lion's Head, *MacOwan*, Type.

Var. *Bylii* Zahlbr.

Zahlbruckner (1932) 231.
on non-calcareous rocks, Calvinia, *v. d. Byl 772*, Type.

Lecidea stellans Stizenb.

Stizenberger (1891) 158, no. 1095 ; Zahlbruckner, Cat. Lich. III : 696.
on cliffs near Lydenburg, *Wilms*, Type.

Lecidea stellenboschiana Vain.

Vainio (1926) 23 ; van der Byl (1931) 10 ; Zahlbruckner, Cat. Lich. VIII : 359.
on bark of leafy tree, near Stellenbosch, *v. d. Byl 385*, Type.

Lecidea stupparia Stizenb.

Stizenberger (1891) 136, no. 937 ; Zahlbruckner, Cat. Lich. III : 831.
on bark, Boschberg, *MacOwan*, Type (Herb. Lojka).

Lecidea subalbicans Nyl.

apud Crombie (1876 a) 176, (1876 b) 21 ; Hue (1891) 109 ; Stizenberger (1891) no. 948 ; Zahlbruckner, Cat. Lich. III : 831.
on rocks, Table Mt., *Eaton*, Type

Lecidea subattingens Merrill.

van der Byl (1931) 11, ? nom. nud.
on *Hakea* sp., Klapmuts, v. d. *Byl* (det. Merrill.).

Lecidea subceresina Zahlbr.

Zahlbruckner (1932) 229.
on non-calcareous rocks, World's Veiw, van Reenen Pass, *Brunnthaler*, Type.

Lecidea subexigua Vain.

Vainio (1926) 22 ; van der Byl (1931) 10 ; Zahlbruckner, Cat. Lich. VIII : 379.
on bark of *Ficus elastica* Roxb., near Knysna, v. d. *Byl* 271, Type.

Lecidea subexiguella Vain.

Vainio (1926) 21 ; van der Byl (1931) 11 ; Zahlbruckner, Cat. Lich. VIII : 379.
on bark of *Ficus elastica* Roxb., near Knysna, v. d. *Byl* 279, Type.

Lecidea subinquinans Nyl.

Nylander (1869 a) 11 ; Stizenberger (1891) no. 1203 : Vouaux (1914) 189.
on thallus of ?*Parmelia crinita*, Durban, *Armstrong*.

Not mentioned in Zahlbruckner, Cat. Lich. ; the specific name suggests close relationship with *Lecidea inquinans* Nyl., which is a fungus, *Nesolechia inquinans* (Tyl.) Mass., see Vouaux (1913) 411, (1914) 189 ; Vouaux did not study *Lecidea subinquinans*.

Lecidea sublucida Stizenb.

Stizenberger (1891) 135, no. 929 ; Zahlbruckner, Cat. Lich. III : 833.
on branches of tree, Spitzkop near Lydenburg, *Wilms*, Type.

Lecidea subsquamifera Zahlbr.

Zahlbruckner, (1932) 231.
on sandstone rocks, Gouritzrivier, v. d. *Byl* 828, Type.

Lecidea subrussula Steiner

Steiner (1907) 644 ; Zahlbruckner, Cat. Lich. III : 834.
on bark, Mt. Mamotsuiri, *Junod* 992 pr. p. (Type in Herb. Barbey-Boissier).

Lecidea substylosa Zahlbr.

Zahlbruckner (1932) 228.
on granite rocks, Lüderitzbucht, *F. & R. von Wettstein*, Type.

Lecidea sulfurosula Stizenb.

Stizenberger (1891) 153, no. 1070 ; Zahlbruckner, Cat. Lich. III : 705.
on granite rocks, Lion's Head, *MacOwan*, Type (ass. *Biatorrella lugens* Zahlbr.).

Lecidea tenebricosa (Ach.) Nyl.

Stizenberger (1891) no. 958 ; Zahlbruckner, Cat. Lich. III : 836.
on bark, near Lydenburg, *Wilms*.

Lecidea terrena Nyl.

apud Crombie (1876 a) 177 ; Hue (1891) 131 ; Stizenberger (1891) no. 1083 ;
Zahlbruckner, Cat. Lich. III : 709.
on ground amongst quartz detritus, Table Mt., *Eaton*, Type.

Lecidea thaleriza Stirt.

Stirton (1877) 217 ; Stizenberger (1891) no. 936, nota ; Zahlbruckner, Cat. Lich.
III : 895.
on bark, Boschberg, *MacOwan*, Type.

Lecidea theichroa Vain.

Vainio (1926) 20 ; van der Byl (1931) 11 ; Zahlbruckner, Cat. Lich. VIII : 380.
on bark of tree, Onrust, *v. d. Byl 330*, Type.

Lecidea theiphoroides Vain.

apud Lynge (1937) 85.
on bark of *Thespesia* sp., Eshowe, *v. d. Byl 190*, Type.

Lecidea tragorum Zahlbr.

Zahlbruckner (1936) 168.
on granite rock, Springbok, Namaqualand, *v. d. Byl 1147*, Type.

Lecidea Trichiliae Zahlbr.

Zahlbruckner (1936) 169.
on bark of *Trichilia emetica* Vahl, Woodbush, *v. d. Byl 488*.

Lecidea valida Stizenb.

Stizenberger (1891) 161, no. 1104 ; Zahlbruckner, Cat. Lich. III : 715.
on rocks, near Lydenburg, *Wilms*, Type.

Lecidea vernalis Ach.

Drège (1843) 85, 90, 132, 134 ; Zahlbruckner, Cat. Lich. III : 852.
on bark, Paarlberg, *Drège* ; Silverfontein, *Drège* ; Samteesvlakte near Enon, *Drège* ;
du Toits Kloof, *Drège* ; Hofmanskraal between Enon and Zuureberg, *Drège*.
Lecidea vernalis is recorded by Drège without the name of the author of the species ;
these collections might therefore be *L. vernalis* S. Gray, which is a synonym for
Bacidia luteola Mudd.

Lecidea vestita (Mont.) Nyl.

Nylander (1869 a) 11 ; Stizenberger (1891) no. 1004.
on bark, Durban, *Armstrong*.

Lecidea viridans Lamy var. **nigrella** (Massal.) Steiner

Steiner (1897) 225 ; Zahlbruckner, Cat. Lich. III : 717.
Lecidella nigrella Massalongo (1861) 71.
Lecidea nigrella Stizenberger (1891) 153, no. 1068.
on rocks, Table Mt., *Wawra*.

Lecidea vorticosa (Floerke) Körb.

Stizenberger (1891) no. 1072 ; van der Byl (1931) 11 ; Zahlbruckner, (1932) 225,
Cat. Lich. III : 717.

on sandstone rocks, near Muizenberg, *MacOwan* ; on non-calcareous rocks, Bloukrans-
rivier, *v. d. Byl* 665.

Lecidea vulgata Zahlbr.

Zahlbruckner, Cat. Lich. III : 718.

Lecidea goniophila Floerke, Drège (1843) 92 ; van der Byl (1931) 10.

on stone, Klapmuts, *v. d. Byl* 98 (det. Merrill.) ; between Natvoet and Garip, *Drège*.

Lecidea Zeyheri (Massal.) Zahlbr.

Zahlbruckner (1926 c) Pl. 6, f. 1-4. Cat. Lich. III : 860.

Biatora Zeyheri Massalongo (1861) 88.

on trunks of trees, Cape, *Ecklon & Zeyher*.

Lopadium fuscoluteum Mudd.

Zahlbruckner, Cat. Lich. IV : 302.

Lecidea fuscolutea Ach., Drège (1843) 80.

on rocks, du Toits Kloof, *Drège*.

Lopadium leucoxanthum (Spreng.) Zahlbr.

Zahlbruckner (1932) 241, Cat. Lich. IV : 306.

Lecidea leucozantha Spreng., Crombie (1876 a) 177 ; Nylander (1869 a) 10 ; Stizen-
berger (1891) no. 1029.

Megalospora lutea Flotow, von Flotow (1843) 21 ; Krauss (1846) 201.

Sporopodium leucoxanthum Vain., van der Byl (1931) 9.

on bark, Table Mt., *Eaton* ; Durban, *Armstrong* ; near Bazuja, *Baur* ; Hoofbos, Knysna,
v. d. Byl 891 ; The Heads, Knysna, *v. d. Byl* 906 ; ? Lydenburg, *Wilms* 2730, 2732
(sub *Mellitosporiopsis* in Herb. Kew) ; near Constantia, *Krauss* ; on *Calodendron*
capense Thunb., Keurboomsrivier, *v. d. Byl* 284, (det. Vain.).

Lopadium Mariae (Trevis.) Zahlbr.

Zahlbruckner, Cat. Lich. IV : 307.

Brigantiaea Mariae Trevisan (1853 b) 9, (1856) 285.

Heterothecium Mariae Müll. Arg., J. Müller-Arg. (1886) 126.

on bark, Cape of Good Hope.

Lopadium vulpinum (Tuckerm.) Zahlbr.

Zahlbruckner, Cat. Lich. IV : 316.

Lecidea vulpina Tuck., Stizenberger (1891) no. 1030.

Lecanora vulpina Nylander (1869 a) 6.

on bark, Durban, *Armstrong*.

Lopadium Woodii (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. IV : 317.

Lecidea Woodii Stizenberger (1891) 148, no. 1035.

on leaves, Durban, *Medley Wood*, Type (Herb. Lojka).

Megalospora Stellenboschiana (Vain.) Zahlbr.

Zahlbruckner, Cat. Lich. VIII : 395.

Catillaria Stellenboschiana Vainio (1926) 19 ; van der Byl (1931) 10.
on stones, Stellenbosch, *Verwoerd* (v. d. Byl 402) Type.**Megalospora versicolor** (Fée) Zahlbr.

Zahlbruckner, Cat. Lich. IV : 91.

Lecidea versicolor Nylander (1869 a) 10 ; Hue (1891) 112 ; Stizenberger (1891) no. 1015.
on bark, Durban, *Armstrong*.**Rhizocarpon affine** Merrill

in Herb. van der Byl, ? nom. nud.

on rock, Klapmuts, v. d. Byl 100 pr. p. (det. Merrill).

Rhizocarpon badio-atrum Th. Fr. var. **alboatrum** Malme

Zahlbruckner, Cat. Lich. IV : 324.

Lecidea atroalba Ach., Drège (1843) 86.
on rocks, Paarlberg, *Drège*.**Rhizocarpon capense** Zahlbr.

Zahlbruckner (1936) 170.

on sandstone, Glencairn, v. d. Byl 1005, Type.

Rhizocarpon disporum Müll.-Arg. var. **Montagnei** (Flotow) Zahlbr.

Zahlbruckner (1932) 241, Cat. Lich. IV : 355.

Rhizocarpon Montagnei Körb., Zahlbruckner (1926 b) 497.*Lecidea Montagnei* Flotow, Stizenberger (1891) no. 1116.
on sandstone rocks, Lion's Head, *MacOwan* ; on granite rocks, Kloof Neck, *Brunnthaler*.**Rhizocarpon geographicum** (Linn.) DC.

Zahlbruckner, Cat. Lich. IV : 359.

Lecidea geographica Rebent., Drège (1843) 53 ; Crombie (1876 a) 179 ; Stizenberger (1891) no. 1185.
on rocks, summit of table Mt., *Eaton* ; Boschberg, *MacOwan* : near Lydenberg, *Wilms* ;
Witberg, *Drège*.f. **atrovirens** Massal.

Zahlbruckner, Cat. Lich. IV : 363.

Lichen atrovirens Linn., Thunberg (1800) 176.*Lecidea atrovirens* Ach., Thunberg (1823) 742.
on rocks, Table Mt., *Thunberg*.f. **intermedium** (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. IV : 368.

Lecidea geographica Rebent. f. *intermedia* Stizenberger (1891) 177, no. 1185.
on crumbling granite rock, near Muizenberg, and on Lion's Head, *MacOwan*.**Rhizocarpon patellarium** (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. IV : 382.

Lecidea patellaria Stizenberger (1891) 163, no. 1119.
on rocks, Lion's Head, *MacOwan*, Type.

Rhizocarpon viridiatrum Körb.

Zahlbruckner (1926 b) 498, Cat. Lich. IV : 394.
on shale, van Reenen's Pass, *Brunnthaler*.

Toninia bumamma (Nyl.) Zahlbr.

Zahlbruckner (1926 b) 495, (1932) 240, Cat. Lich. IV : 263 ; van der Byl (1931) 11.
Lecidia bumamma Nyl. apud Crombie (1876 a) 177 ; Hue (1891) 125.
Lecidea styloumena Stirton (1877) 217.
on soil in crevices of rocks, Table Mt., *Eaton*, *MacOwan* ; near Klein Vis Rivier, *MacOwan* 524, 62 ; Lydenburg, *McLea* (Herb. Rehmann) ; Matjesfontein, *Brunnthaler* ; Jansenville, *P. Slabbert* (v. d. Byl 707).

Toninia caeruleonigricans Th. Fr.

Zahlbruckner, Cat. Lich. IV : 266.
Lecidea vesicularis Ach., Drège (1843) 92.
on soil, between Natvoer and Garip, *Drège*.

Toninia caesiopallida (Nyl.) Zahlbr.

Zahlbruckner, Cat. Lich. IV : 263.
Lecidea caesiopallida Nylander apud Hue (1891) 124 ; Stizenberger (1891) no. 1054.
on rocks, Cape, *Zeyher*.

Toninia flava Zahlbr.

Zahlbruckner (1932) 240.
on quartz rocks, Langbaan, v. d. Byl 540, Type.

Toninia incretata (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. IV : 274.
Lecidea incretata, Stizenberger (1891) 150, no. 1051.
on soft sandstone rocks, summit of Lion's Head, *MacOwan*, Type.

Toninia verrucosa Flagey

Zahlbruckner (1926 b) 497.
on crumbling stone, Haifischinsel off Lüderitzbucht, *Fincke*.

PHYLLOPSORACEAE.

Phyllopsora breviscula (Nyl.) Müll. Arg.

Zahlbruckner, Cat. Lich. IV : 396.
Lecidea breviscula Nylander (1869 a) 9 ; Stizenberger (1891) no. 925.
on bark, Durban, *Armstrong*.

Phyllopsora corallina (Eschw.) Müll. Arg.

Zahlbruckner, Cat. Lich. IV : 397.
Lecidea santensis Tuckerm., Nylander (1869 a) 9 ; Stizenberger (1891) no. 926.
on bark, Durban, *Armstrong*.

Phyllopsora parvifolia (Pers.) Müll. Arg.

Zahlbruckner, Cat. Lich. IV : 399.
Lecidea parvifolia Pers., Nylander (1869 a) 8 ; Stizenberger (1891) no. 923.
on bark, Durban, *Armstrong* ; ? Boschberg, *MacOwan* 517, 60.

Var. *fibrillifera* (Nyl.) Müll. Arg.

Zahlbruckner, Cat. Lich. IV : 399.

Lecidea parvifolia var. *fibrillifera* Nyl., Stirton (1877) 217 ; Stizenberger (1891) no. 923.
South Africa, without locality.

Var. *pulvinata* Steiner.

Steiner (1907) 644 ; Zahlbruckner, Cat. Lich. IV : 400.

on bark, Mt. Mamotsuiri, *Junod 993 pr. p.* 999.

Phyllopsora parvifoliella (Nyl.) Müll. Arg.

Zahlbruckner, Cat. Lich. IV : 400.

Lecidea parvifoliella Nylander (1869 a) 8 ; Stizenberger (1891) no. 924.
on bark, Durban, *Armstrong*.

CLADONIACEAE.

Baeomyces roseus Pers.

Stizenberger (1890) no. 93 ; van der Byl (1933 b) 2 ; Zahlbruckner, Cat. Lich. IV : 415.

on ground, Spitzkop, near Lydenburg, *Wilms* ; Buccleuch, *Leighton*, 7.

Cladonia aggregata (Sw.) Ach.

Nylander (1860 a) 218 ; Drège (1843) 89 ; Wainio (1887) 224, (1894) 447, (1897) 223 ; van der Byl (1933 b) 7 ; Zahlbruckner, Cat. Lich. IV : 437.

Cladia aggregata (Sw.) Nyl., Crombie (1876 a) 166 ; Stizenberger (1890) no. 158.
on ground, Table Mt., *Drège* ; Baviaanskloof, *Breutel* ; Table Mt., *Eaton*.

Cladonia bacillaris (Del.) Nyl.

Stizenberger (1890) no. 144 ; Wainio (1887) 68, (1894) 441, (1897) 226 ; Steiner (1907) 644 ; Zahlbruckner, (1932) 242, Cat. Lich. IV : 444 ; van der Byl (1931) 11, (1933 b) 8 ; des Abbayes (1938) 348.

on dead branches and rotten stumps of trees, Knysna, *v. d. Byl 645* ; Woodbush, *Doidge*, 12 (det. Lindau) ; Kirstenbosch, *Bottomley*, 781 ; on decomposed vegetable detritus, Deepwalls, *Phillips* (Br. Mus.) ; on ground or amongst moss, Mt. Mamotsuiri, *Junod 986* ; Montagu Pass Road, *Doidge*, 249 ; Deepwalls, *Bottomley*, 1620 ; Umtali, *Eyles 1739*, 248.

f. *pityropoda* Nyl.

Zahlbruckner, Cat. Lich. IV : 447 ; des Abbayes (1938) 348.

on damp turf, Mt. Nuza, S. Rhodesia, *Gilliland* (Br. Mus.).

Cladonia caespiticia (Pers.) Floerke

Stizenberger (1890) no. 139 ; Wainio (1887) 458, (1894) 460, (1897) 244 ; Zahlbruckner, Cat. Lich. IV : 452.

on ground, top of Table Mt., *Rehmann*.

Cladonia centrophora Müll. Arg.

Stizenberger (1890) no. 124 ; Wainio (1894) 171, (1897) 260 ; Zahlbruckner, Cat. Lich. IV : 460.

Table Mt., *Wilms*.

Cladonia didyma (Fée) Wain. var. **muscigena** (Eřchw.) Wain.

Wainio (1887) 141, (1894) 443, (1897) 225 ; Zahlbruckner, Cat. Lich. IV : 489 ;
des Abbayes (1938) 347.

on a piece of putrid wood, Deepwalls, *Phillips* (Br. Mus.).

f. **subulata** Sandst.

des Abbayes (1938) 347.

on decomposed mosses, Deepwalls, *Phillips* (Br. Mus.).

Cladonia fimbriata (Linn.) Fr.

Crombie (1876 a) 166 ; Stizenberger (1890) no. 119 ; Wainio (1894) 246, (1897)
253 ; van der Byl (1931) 11, (1933 b) 11 ; Zahlbruckner, Cat. Lich. IV : 494.

Lichen fimbriatus Linn., Thunberg (1800) 179, (1823) 749.

on the ground, Table Mt., *Eaton, Thunberg* ; Somerset East, *MacOwan* (S.A.M. 46969) ;
Riviersonderend, *Thorne* (S.A.M. 45843) ; on rotten stump, Knysna, v. d. *Byl* 429 ;
Woodbush, v. d. *Byl*.

Var. **Balfourii** (Cromb.) Wain.

Wainio (1894) 339, (1897) 255 ; Zahlbruckner, Cat. Lich. IV : 496.

Cladonia fimbriata var. *chondroidea* Wain. f. *Balfourii* (Cromb.) Wain., des Abbayes
(1938) 348.

Transvaal, *H. Wager* (Br. Mus.) ; Imleezane, *T. R. Sim* (Br. Mus.).

Var. **chlorophaeoides** Wain.

Stizenberger (1890) no. 119 ; Wainio (1894) 336, (1897) 254 ; Zahlbruckner, Cat.
Lich. IV : 497.

Cladonia fimbriata var. *chondroidea* f. *chlorophaeoides* Wain., des Abbayes (1938) 348
on ground, near Elim, *Breutel* ; Edgehill, Mooi River, *T. R. Sim* (Br. Mus.).

Var. **chondroidea** Wain.

Stizenberger (1890) no. 119 ; Wainio (1894) 334, (1897) 254 ; van der Byl (1933 b)
12 ; Zahlbruckner, Cat. Lich. IV : 497.

Transvaal, *Wilms*.

Var. **coniocrea** (Floerke) Wain.

Wainio (1894) 308, (1897) 254 ; Steiner (1907) 644 ; Zahlbruckner, Cat. Lich. IV :
497.

on ground, Stellenbosch, *Duthie* 5.

Var. **nemoxyna** (Ach.) Coem.

Wainio (1894) 295, (1897) 253 ; van der Byl (1933 b) 12 ; Zahlbruckner, Cat. Lich,
IV : 500.

Cladonia fimbriata var. *radiata* (Schreb.) Coem. f. *nemoxyna* Flotow, Stizenberger (1890)
no. 119.
amongst heath, Table Mt., *Jelinek* ; on tree trunk, Garcia Pass, Riversdale, *Muir* 4885.

f. **fibula** (Ach.) Wain.

Wainio (1894) 301, (1897) 253 ; van der Byl (1933 b) 12 ; Zahlbruckner, Cat. Lich.
IV : 500.

Cladonia fimbriata var. *fibula* (Ach.) Stizenberger (1890) no. 119.
on bark of trees, near Baziya (*MacOwan* 802).

Var. **ochrochlora** (Floerke) Wain.

Wainio (1894) 319, (1897) 254 ; Zahlbruckner, Cat. Lich. IV : 502.

Cladonia ochrochlora Floerke, van der Byl (1931) 11, (1933 b) 12.

on rotten stump, Knysna, *v. d. Byl*; Garcia's Pass, Riversdale, *Thorne* (S.A. M. 38825).

Var. **radiata** (Schreb.) Coem.

Stizenberger (1890) no. 119; Wainio (1894) 227, (1897) 253; van der Byl (1933 b) 12; Zahlbruckner, *Cat. Lich. IV*: 505.

on soil and on old wood, South Africa, *Breutel*; Boschberg, *MacOwan* 50, 501, 14.

Var. **simplex** (Weiss.) Flotow.

Wainio (1894) 256, (1897) 253; van der Byl (1931) 11, (1933 b) 12; Zahlbruckner, *Cat. Lich. IV*: 507.

Cladonia fimbriata var. *tubaeformis* Ach., Stirton (1877) 212; Stizenberger (1890) no. 119.

on an ant heap, Klapmuts, *v. d. Byl* 103 (det. Merrill); South Africa, without locality (Stirton l.c.).

Var. **subradiata** Wain.

Wainio (1894) 282, (1897) 253; Zahlbruckner, *Cat. Lich. IV*: 510.

Cladonia fimbriata var. *chondroidea* f. *subradiata* Wain., des Abbayes (1938) 348. Mid-Illovo, *T. R. Sim* (Br. Mus.).

Var. **subulata** (Linn.) Wain.

Wainio (1894) 282, (1897) 253.

f. **abortiva** Harm.

van der Byl (1933 b) 13; Zahlbruckner, *Cat. Lich. IV*: 511.

Cladonia fimbriata f. *abortiva* Floerke, Stizenberger (1890) no. 119. Transvaal, *Rehmann*.

f. **chordalis** Ach.

van der Byl (1933 b) 13; Zahlbruckner, *Cat. Lich. IV*: 512.

Cladonia chordalis Ach., Stizenberger (1890) no. 120.

Top of Table Mt., *MacOwan* 195.

f. **subcornuta** Zahlbr.

Zahlbruckner, *Cat. Lich. IV*: 513.

Cladonia fimbriata var. *subcornuta* Nyl., Crombie (1876 a) 166.

Cladonia subcornuta (Nyl.) Stizenberger (1890 & 1895) no. 122.

on ground, Table Mt., *Eaton*.

Cladonia flabelliformis (Floerke) Wain. f. **tenella** Zahlbr.

van der Byl (1933 b) 8; Zahlbruckner, *Cat. Lich. IV*: 514.

Cladonia flabelliformis var. *tenella* Müll. Arg., Stizenberger (1893) no. 144bis.

on dead wood, Table Mt., *Wilms*.

Cladonia Floerkiana (Fr.) Sommerf.

Wainio (1887) 72, (1894) 440, (1897) 225; van der Byl (1931) 11, (1933 b) 8;

Zahlbruckner, *Cat. Lich. IV*: 516.

on rotting wood, Woodbush, *v. d. Byl* 425, 535 (det. Vain.); on ground, Hermanus, *v. d. Byl*; Knysna, *v. d. Byl*.

Cladonia furcata (Huds.) Schrad.

Crombie (1876 a) 166; Wainio (1887) 316, (1894) 450, (1897) 239; Stizenberger

(1890) no. 133; van der Byl (1933 b) 9; Zahlbruckner, *Cat. Lich. IV*: 525.

on ground, among mosses, Table Mt., *Eaton*; on bare rocks, Garcia's Pass, Riversdale, *Muir* 3767, 1395.

Cladonia gorgonina (Bory) Wain. var. **subrangiferina** (Nyl.) Wain.

Wainio (1887) 309, (1897) 237 ; Zahlbruckner, Cat. Lich. IV : 539 ; des Abbayes (1938) 348.

Nyasaland, *Burt Davy* (Br. Mus.).

Cladonia macilenta Hoffm.

Wainio (1887) 98, (1894) 442, (1897) 227 ; Stizenberger (1890) no. 145 ; van der Byl (1933 b) 7 ; Zahlbruckner, Cat. Lich. IV : 555.

South Africa, without locality, *Breutel*, *MacOwan* ; Garcia's Pass, Riversdale, *Thorne* (S.A. M. 38830), *Muir 4884* ; Langeberg, *Barnard* (S.A. M. 32676) ; Table Mt., *MacOwan*

Var. **corticata** Wain.

Wainio (1887) 112, (1894) 442, (1897) 227 ; Stizenberger (1890) no. 145 ; van der Byl (1933 b) 7 ; Zahlbruckner, Cat. Lich. IV : 556.

on ground, Kooksbosch, *Breutel*.

Cladonia multiformis Merrill f. **subascypha** (Wain.) Evans

Zahlbruckner, Cat. Lich. VIII : 463 ; des Abbayes (1938) 348.

on earth and on a rotten trunk, Deepwalls, *Phillips* (Br. Mus.) ; Mt. Nuza, S. Rhodesia, *Gilliland* (Br. Mus.).

Cladonia pityrea (Floerke) Fr.

Wainio (1894) 349, (1897) 255 ; Stizenberger (1890) no. 117 ; van der Byl (1933 b) 11 ; Zahlbruckner, Cat. Lich. IV : 566.

on dry ground, Table Mt., *Jelinek*.

Var. **subareolata** Wain.

Zahlbruckner, Cat. Lich. IV : 567 ; des Abbayes (1938) 348.

Ihluke, Harding, *T. R. Sim* (Br. Mus.).

Var. **Zwackhii** Wain. f. **scyphifera** (Del.) Wain.

Wainio (1894) 354, (1897) 255 ; Zahlbruckner, Cat. Lich. IV : 569.

Cladonia pityrea f. *scyphifera* Del., Stizenberger (1890) no. 117 ; van der Byl (1933 b) 11. Kooksbosch, *Breutel*.

Cladonia pycnoclada (Gaudich) Nyl.

Stizenberger (1890) no. 150 ; Wainio (1894) 209, (1897) 252 ; van der Byl (1933 b) 6 ; Zahlbruckner, Cat. Lich. IV : 573 ; des Abbayes (1938) 347.

Table Mt., *MacOwan* ; South Africa, without locality, *Milne* ; Hankey, *T. R. Sim* (Brit. Mus.) : East Pondoland, *T. R. Sim* (Br. Mus.).

f. **exalbescens** Wain. *

Zahlbruckner, Cat. Lich. IV : 573 ; des Abbayes (1938) 347.

Maritzburg, *T. R. Sim* (Br. Mus.).

Cladonia pyxidata (Linn.) Fr.

Stizenberger (1890) no. 116 ; Wainio (1894) 209, (1897) 252 ; van der Byl (1933 d) 10 ; Zahlbruckner, Cat. Lich. IV : 573.

Lichen pyxidatus Linn., Thunberg (1800) 179, (1823) 748.

? *Cladonia neglecta* (? author) Drège (1843) 80, 82, 85.

Cape of Good Hope, *Breutel* ; on slopes of Table Mt., and Lion's Head,

Thunberg ; amongst moss, Bain's Kloof, *Doidge*, 20 ; ? Paarlberg, *Drège* ; ? du Toits Kloof, *Drège*.

Var. *chlorophaea* Floerke

Wainio (1894) 232, (1897) 252 ; van der Byl (1933 b) 10 ; Zahlbruckner, Cat. Lich. IV : 575.

Cladonia chlorophaea Spreng., van der Byl (1931) 11.
on a stone on the ground, Umtali, *Eyles* 5855.

f. *staphylea* (Ach.) Harm.

Zahlbruckner, Cat. Lich. IV : 579.

Cladonia pyxidata f. *staphylea* (Ach.) Nyl., Stizenberger (1890) no. 116.
Cape of Good Hope, *Breutel*.

Var. *pocillum* (Ach.) Flotow.

Stizenberger (1890) no. 116 ; Wainio (1894) 241, (1897) 252 ; van der Byl (1933 b) 10 ; Zahlbruckner, Cat. Lich. IV : 582.

Cape of Good Hope, *Jelinek*.

Cladonia rangiferina (Linn.) Web.

Wainio (1887) 9, (1894) 439, (1897) 222 ; Juel (1918) 51 ; Zahlbruckner, Cat. Lich. IV : 583.

Lichen rangiferinus Linn., Thunberg (1800) 180, (1823) 749.
on ground, top of Table Mt., *Thunberg*.

Cladonia rangiformis Hoffm.

Var. *foliosa* Floerke.

Wainio (1887) 366 ; van der Byl (1933 b) ; Zahlbruckner, Cat. Lich. IV : 589.

Cladonia pungens Floerke f. *foliolosa* Nyl., Stizenberger (1890) no. 135.
Cape of Good Hope, *MacOwan*.

Var. *pungens* (Ach.) Wain.

Wainio (1887) 361, (1894) 451, (1897) 236 ; Zahlbruckner, Cat. Lich. IV : 590.

Cladonia pungens Floerke, Stizenberger (1890) no. 135.
on damp places on Table Mt., *Jelinek*.

Cladonia squamosa (Scop.) Hoffm.

Drège (1843) 116, 124 ; Wainio (1887) 411, (1894) 455, (1897) 242 ; Stizenberger (1890) no. 138 ; van der Byl (1933 b) 9 ; Zahlbruckner, Cat. Lich. IV : 594.

on the ground, Cape of Good Hope, *Milne* ; on rocks, with mosses, Garcia's Pass, Riversdale, *Muir* 3702, 1396 ; Gnadenthal, *Drège* ; Hoogekraalsrivier, *Drège*.

Cladonia sylvatica (Linn.) Hoffm.

Wainio (1887) 18, (1894) 439, (1897) 222 ; Stizenberger (1890) no. 149 ; Zahlbruckner (1926 b) 498, Cat. Lich. IV : 609 ; van der Byl (1933 b) 6.

on ground, Cape of Good Hope, *MacOwan*, *Jelinek* ; plateau above Baakens River Valley, Port Elizabeth, *Brunthal*.

Cladonia verticillata Hoffm.

Drège (1843) 89 ; Zahlbruckner, Cat. Lich. IV : 621.

on damp places, Table Mt., *Drège*.

(?) Cladonia sp.

Scyphophorum monocarpum Acharius (1798) 196 ; Stizenberger (1890) no. 145, Footnote ; Wainio (1887) 103.

Lichen monocarpus Thunb., Acharius (1798) 196 ; Thunberg (1800) 180, (1823) 749.

Baeomyces monocarpus Acharius (1803) 331.

Cape, *Thunberg*.

The genus *Scyphophorum* has been sunk under *Cladonia* (Zahlbruckner 1926 a : 205) but this species is not mentioned in the Cat. Lich. under any of the synonyms given above. Wainio's Monographia Cladoniarum universalis (1887, l.c.) has not been available for reference.

Pilophoron aciculare (Ach.) Nyl.

Nylander (1860 a) 229 ; Stizenberger (1890) no. 111 ; Zahlbruckner, Cat. Lich. IV : 431.

on earth and on rocks, Cape of Good Hope (Herb. Hook.).

Stereocaulon proximum Nyl.

Nylander (1860 a) 237 ; Zahlbruckner, Cat. Lich. IV : 660.

South Africa, without locality (Nylander).

GYROPHORACEAE.

Dermaticum viride (Linn. f.) Zahlbr.

Zahlbruckner (1932) 243, Cat. Lich. IV : 754 ; van der Byl (1931) 11.

Lichen viridis Linn. f. (1781) 451.

Lichen Thunbergii Acharius (1798) 143 ; Thunberg (1800) 177, (1823) 745.

Endocarpon Thunbergii Acharius (1803) 129, (1810) 301, (1814) 101 ; Sprengel (1827) 239 ; von Flotow (1843) 26 ; Krauss (1846) 200 ; Juel (1918) 51.

Lichen hepaticus **Endocarpon Thunbergii* Lamarek (1813) 426.

Dermaticum Thunbergii Nylander (1857) 116, (1867) 133 ; Hue (1891) 37.

Umbilicaria Thunbergii Reinke (1895) 412.

Umbilicaria flavovirescens Leighton (1869) 34.

on rocks, Cape of Good Hope, *Thunberg* ; Table Mt., *MacOwan* 52 (Lichenoth, univ. 44 ; S.A.M. 46965) 317 ; Tulbagh, v. d. *Byl* 775 ; Dombashawa, *Eyles* 4845 (v. d. *Byl* 600) ; Matopos, v. d. *Byl* 164 (det. Vain.) ; Salisbury, *Eyles* 2425 (S.A.M. 46936) ; slopes of Table Mt., *Krauss*.

Umbilicaria glauca Stizenb.

Stizenberger (1890) 186, no. 478 ; Minks (1900 b) 27 ; van der Byl (1931) 11 ;

Zahlbruckner (1932) 243, Cat. Lich. IV : 745.

on rocks, Table Mt., *MacOwan* ; near Ceres, *Leslie* (v. d. *Byl* 609) ; Stellenbosch, *Haddad*.

Umbilicaria membranacea Laur.

apud Nylander (1863) 5 ; Drège (1843) 80, 85 ; Hue (1891) 34 ; Stizenberger (1890) 186, no. 476 ; Minks (1900 b) 26 ; Zahlbruckner, Cat. Lich. IV : 746.

on rocks, du Toits Kloof, *Drège*.

Umbilicaria pustulata (Linn.) Hoffm.

f. *minor* Crombie.

Crombie (1876 a) 171 ; Hue (1891) 34 ; Stizenberger (1890) no. 475 ; Zahlbruckner, Cat. Lich. IV : 752.

on rocks, Table Mt., *Eaton* ; Garcia's Pass, Riversdale, *J. Muir* 3699, 1405.

Var. **papulosa** (Ach.) Tuck.

Zahlbruckner, Cat. Lich. IV : 752.

Umbilicaria papulosa (Ach.) Nyl., von Flotow (1843) 26 ; Krauss (1846) 200 ; Stizenberger (1890) no. 477.

on rocks, Cape of Good Hope ; slopes of Table Mt., *Krauss*.

Var. **papillata** Hampe

Stizenberger (1890) no. 475 ; Tuckermann (1882) 82.

Cape of Good Hope.

Umbilicaria rusiginosa Pers.

apud Gaudich. (182c) 202 ; Nylander (1860 b) 417, (1863) 6 ; Crombie (1876 a) 171 ; Stizenberger (1890) no. 479 ; Hue (1891) 34, (1900) 14 ; Minks (1900 b) ; 26 ; van der Byl (1931) 11 ; Zahlbruckner, (1932) 243, Cat. Lich. IV : 752.

Lecidea porphyrea Meyer (1825) 54, 99 ; Sprengel (1827) 327.

Umbilicaria hottentotta Fée (1827) 194.

Umbilicaria lecanorocarpa Krempelhuber (1876) 440.

on rocks, near summit of Table Mt., *Eaton* ; Table Mt., *Breutel, Jelinek, Wawra, Wilms* ; Table Mt., *MacOvan* 50, 316 ; Stellenbosch, *Haddad & Slabbert* (v. d. Byl 710), *Hofmeyr* (v. d. Byl 446, det. Vain.) ; Ceres, *Leslie* (v. d. Byl 610, 452, det. Vain.) ; Table Mt., *Eyles* (v. d. Byl 383) ; Genadendal and Caledon, *Brunnthaler* ; without locality, *Pappe* (S.A. M. 46885).

ACAROSPORACEAE.

Acarospora angolensis H. Magn.

Magnusson (1929) 111, (1933) 16 ; Zahlbruckner, Cat. Lich. VIII : 500.

Lecanora xanthophana Nylander (1868) 513, (non loco alio).

Placodium thaeodes Müll. Arg. (1879) 290.

Lecanora thaeodes Stizenberger (1890) 234, no. 803.

Acarospora tersa var. *thaeodes* Wainio (1901) 426 ; (?) van der Byl (1931) 11.

on rocks, Serra de Montes Negros, Mossamedes, *Welwitsch* 19, 44.
(?) on granite rocks, Matopos, v. d. Byl 153 (det. Vain.).

Acarospora austroafricana (Zahlbr.) H. Magn.

Magnusson (1933) 31.

Acarospora sulphurata Arn., var. *austroafricana* Zahlbruckner (1926 b) 502, Cat. Lich.

V : 97, VIII : 516 ; Magnusson (1929) 95.

on schistose rock, Haifischinsel, off Lüderitzbucht, *Fincke*.

(?) **Acarospora bella** (Nyl.) Jatta

Acarospora tersa var. *bella* (Nyl.) Vain. van der Byl (1931) 11.

on rock, Ceres, *Leslie* (v. d. Byl 236, det. Vain.).

This seems to be a doubtful record ; fide Magnusson (1929) 61, this is a South American species.

Acarospora Bylii H. Magn.

Magnusson (1933) 36.

on hard, grey sandstone, ass. with *Parmelia* sp., between Calvinia and Middelpos, v. d. Byl 1113, Type.

Acarospora calviniensis H. Magn.

Magnusson (1933) 33.

on non-calciferous sandstone, between Calvinia and Middelpoort, *v. d. Byl 1098*, Type.**Acarospora capensis** Zahlbr.

Zahlbruckner (1926 b) 500, Cat. Lich. B : 56, VIII : 502 ; Magnusson (1929) 206, (1933) 34.

on sandstone, Matjesfontein, *Brunnthaler*, Type.**Acarospora cervina** Mass.

Zahlbruckner, Cat. Lich. V : 56.

Lecanora cervina Ach., Drège (1843) 52.on rocks, Witberg, *Drège*.**Acarospora deserticola** Zahlbr.

Zahlbruckner (1926 b) 500, Cat. Lich. V : 61, VIII : 503 ; Magnusson (1929) 57, (1933) 24.

on mica schist, Matjesfontein, *Brunnthaler*, Type.**Acarospora Finckei** Zahlbr.

Zahlbruckner (1926 b) 502, Cat. Lich. V : 104, VIII : 504 ; Magnusson (1929) 96, (1933) 32.

on schistose rock, Haifischinsel off Lüderitzbucht, *Fincke*, Type.**Acarospora fuscata** (Nyl.) Arn.

Wainio (1901) 426 ; Zahlbruckner (1926 b) 499, Cat. Lich. V : 64, VIII : 505 ; Magnusson (1929) 294-298.

on schistose rocks, between Maiombo and Cazimba, *Welwitsch 160 pr. p.* ; on sandstone, near Windhoek, *Fincke*.fide Magnusson, l.c., *A. fuscata* is undoubtedly the commonest species in the genus and widely distributed in the northern temperate zone. The specimens recorded from the southern hemisphere certainly do not belong here.**Acarospora immixta** H. Magn.

Magnusson (1929) 82, (1933) 30 ; Zahlbruckner, Cat. Lich. VIII : 507.

on non-calciferous stone, upon thallus of *Lecidea* sp (?), Wasserberg, near Windhoek, *Fincke* (called *Ac. xanthophana* by Zahlbruckner) ; upon thallus of *Lecidea* sp., Haifischinsel, off Lüderitzbucht, *Fincke*.**Acarospora initialis** H. Magn.

Magnusson (1929) 48, (1933) 17 ; Zahlbruckner, Cat. Lich. VIII : 508.

Acarospora tersa Zahlbruckner (1926 b) 501.on smooth, non-calcareous mica-schist, Haifischinsel, off Lüderitzbucht, *Fincke*, Type.Var. **perfectior** H. Magn.

Magnusson (1933) 18.

on a stone with granular surface, Klein Karas, *Örtendahl 37*, Type.**Acarospora insculpta** H. Magn.

Magnusson (1933) 20.

on granite rocks, Uitenhage, *Marloth 116*, Type.

Acarospora intermixta H. Magn.

Magnusson (1933) 42.
on granitic stone, intermingled with yellow squamules of *Ac. Luderitzensis*, Lüderitzbucht, comm. *Hillman*, Type.

Acarospora intrusa H. Magn.

Magnusson (1933) 37.
amongst areolae of *Ac. laevigata*, apparently destroying them, Cape Province, without locality, *Marloth 132*, Type.

Acarospora laeta H. Magn.

Magnusson (1933) 22.
Acarospora Finckei var. *lobulata* Zahlbruckner (1932) 243.
on granitic, granular stone, Lüderitzbucht, *F. & R. Wettstein*, Type.

Var. **annularis** H. Magn.

Magnusson (1933) 23.
on very hard, reddish, granitic stone, Klein Karas, *Örtendahl 24*, Type.

Acarospora laevigata H. Magn.

Magnusson (1933) 17.
on non-calcareous, schistose, reddish sandstone with smooth surface, (invaded by *Ac. intrusa*) Cape Town *Marloth 132*, Type.

Acarospora longispora H. Magn.

Magnusson (1933) 34.
on calcareous rocks, Laingsberg, *v. d. Byl 1088*, Type.

Acarospora lucida H. Magn.

Magnusson (1929) 70, (1933) 29 ; Zahlbruckner, Cat. Lich. VIII : 509.
on dark granitic stone, Great Namaqualand, *Schinz* (A. Schenck 544, Type : called *Placodium xanthophanum* by Müll. Arg.).

Acarospora lüderitzensis H. Magn.

Magnusson (1933) 26.
on rocks, Table Mt., *Eaton, Jelínek*.
on granitic stone (associated with *Ac. intermixta*) Lüderitzbucht, comm. *J. Hillman* ; between Khamiskron and Springbok, *v. d. Byl 1171*, Type.

Acarospora macrospora (Hepp.) Bagl.

Magnusson (1929) 333.
Lecanora smaragdula Nyl., Stizenberger (1890) no. 812 ; Crombie (1876 a) 174.
on rocks, Table Mt., *Eaton, Jelínek*.
Doubtful record : fide Magnusson, l.c., this species has its principal area of distribution in the mountainous regions of central and southern Europe. He quotes no records from the southern hemisphere.

Acarospora meridionalis H. Magn.

Magnusson (1933) 27 ; Zahlbruckner (1932) 244.
on non-calcareous, schistose, sandy or ganitic stone, Steinkopf, *Meyer*, Type (*v. d. Byl 949, 951* : nos. 948, 953 in *Zahlbr. l.c.*) ; Klein Karas, *Örtendahl 13* ; between Bitterfontein and Garies, *v. d. Byl 1176* ; near Kenhardt, *v. d. Byl 1116*.

Acarospora negligens H. Magn.

Magnusson (1933) 18.

on schistose, reddish sandstone, Narubis, *Örtendahl* 96, 97 ; Airas, Klein Karas, *Örtendahl* 105 ; near Laingsburg, v. d. *Byl* 1090.**Acarospora ochrophaea** H. Magn.

H. Magnusson (1933) 38.

on non-calciferous stone, Van Rhynsdorp, v. d. *Byl* 1183, Type.**Acarospora Örtendahlia** H. Magn.

Magnusson (1933) 28.

on reddish brown, hard granitic stone, on road between Aiais and Klein Karas. *Örtendahl* 102, 108, Type ; Klein Karas, *Örtendahl* 2.**Acarospora perexigua** (Müll. Arg.) Hue.

Hue (1909) 162 ; Magnusson (1929) 374 ; Zahlbruckner, Cat. Lich. V : 83.

Placodium perexiguum Müll. Arg., J. Müller-Arg. (1893 b) 297.*Lecanora perexigua* Stizenberger (1895) no. 242.on quartzite rocks, near Botoma, *Menyharth* 297 : not an *Acarospora*, fide Magnusson l.c.**Acarospora porinoides** (Stizenb.) Zahlbr.

Magnusson (1929) 374 ; Zahlbruckner, Cat. Lich. V : 84.

Lecanora porinoides Stizenberger (1890) 234, no. 807.on rocks, Taaiboschkranz, near Rhenoster-rivier, O.F.S., *Rehmann* : " seems to be an *Aspicilia* sp.", Magnusson l.c.**Acarospora Rhodesiae** H. Magn.

Magnusson (1933) 21.

on granitic stone, Bullawayo, *Brunnthaler*, Type.**Acarospora socialis** H. Magn.

Magnusson (1933) 30.

near Calvinia, v. d. *Byl* 1131, Type.**Acarospora Steineri** H. Magn.

Magnusson (1933) 24.

on schistose, rather hard stone, Haifischinsel, *Fincke*, Type (Vienna sub *Ac. sulphurata* var. *austror-africana*, but not the authentic specimen).**Acarospora subbadia** H. Magn.

Magnusson (1933) 40 ; Zahlbruckner (1932) 244.

on non-calcareous rock, Steinkopf, *Meyer* (v. d. *Byl* 951, Type, 949), associated with *Ac. meridionalis* and *Caloplaca* sp.**Acarospora subochracea** H. Magn.

Magnusson (1933) 39 ; Zahlbruckner (1932) 244.

on non-calciferous, closely granular rock, Calvinia, v. d. *Byl* 768, Type.

Acarospora subtersa H. Magn.

Magnusson (1929) 54, (1933) 25 ; Zahlbruckner (1932) 243, Cat. Lich. VIII : 516.
 sub *Acarospora citrina* Zahlbruckner (1926 b) 501 ; see Magnusson (1929) 50.

Acarospora tersa Zahlbruckner (1926 b) 501, pr. p.
 on non-calciferous, schistose stone, Haifischinsel, off Lüderitzbucht, *Fincke* Waterberg,
 near Windhoek, *Fincke* ; on sandstone rocks, Mossel Bay, v. d. *Byl* 746.

Acarospora tenuis (Wain.) H. Magn.

Magnusson (1929) 50, (1933) 16 ; Zahlbruckner, Cat. Lich. VIII : 517.

Acarospora tersa (Fr.) Steiner var. *tenuis* Wainio (1901) 426 ; Hue (1909) 120 ; van der
 Byl (1931) 11 ; Zahlbruckner, Cat. Lich. V : 98.

Lecanora tersa Nylander (1868) 513 (see Wainio l.c.).

on perpendicular rocks, between Maiombo and Cazimba, on the road to Huilla, *Welwitsch*
17 pr. p., *18, 160 pr. p.* ; on schistose rocks, Serra de Cazimba, between Maiombo and
 Pomangula, *Welwitsch* 485 *pr. p.* ; on rocks, Hanover, Cape, v. d. *Merwe* (v. d. *Byl*
 432, det. Vain.).

Acarospora thaeodes Massal.

Massalongo (1861) 87 ; Zahlbruckner (1926 c) Pl. 8, f. 6-10 ; Magnusson (1929)
 112.

Acarospora tersa var. *thaeodes* Zahlbruckner, Cat. Lich. V : 98 pr. p.
 on volcanic rocks, Cape, *Wawra* : doubtful species, fide Magnusson l.c.

Acarospora xanthophana (Nyl.) Jatta

Magnusson (1933) 31.

on granitic stone, Klein Karas, *Örtendahl* 19, 55 ; Upington, v. d. *Byl* 1158.

Biatorella Armstrongiae (Jones) Zahlbr.

Zahlbruckner, Cat. Lich. V : 34.

Lecidea Armstrongiae Jones apud Nylander (1869 a) 12 ; Hue (1891) 128, (1892) 147.

Lecanora Armstrongiae Stizenberger (1890) 222, no. 729.

on bark, Durban, *Armstrong*.

Biatorella austroafricana Zahlbr.

Zahlbruckner (1926 b) 499, Cat. Lich. V : 10.

Sarcogyne austroafricana (Zahlbr.) H. Magnusson (1937) 103.

on sandstone, Haifischinsel, off Lüderitzbucht, and near Windhoek, *Fincke*, Type.

Biatorella clavulus (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. V : 10.

Lecanora clavulus Stizenberger (1890) 237, no. 822.

Sarcogyne clavulus (Stizenb.) H. Magnusson (1937) 98.

on sandstone rocks, Muizenberg, *MacOwan*, Type.

Biatorella lugens (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. V : 14.

Lecanora lugens Stizenberger (1890) 236, no. 818.

Sarcogyne lugens (Stizenb.) H. Magnusson (1937) 102.

on granite, Lion's Head, *MacOwan*, Type.

Biatorella palmeti (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. V : 44.

Lecidea palmeti Stizenberger (1891) 149, no. 1037.on woody parts of *Phoenix dactylifera* Linn., in bush, near Durban, *Wilms*, Type.**Biatorella robiginans** (Stizenb.) Zahlbr

Zahlbruckner, Cat. Lich. V : 21.

Lecanora robiginans Stizenberger (1890) 237, no. 821.*Sarcogyne robiginans* (Stizenb.) H. Magnusson (1937) 101.on sandstone rocks, near Muizenberg, *MacOwan*, Type.**Maronea constans** (Nyl.) Hepp

Zahlbruckner, Cat. Lich. V : 48 ; Magnusson (1934) 55.

Lecanora constans Nylander (1869 a) 8 ; Stizenberger (1890) no. 745.on bark, Durban, *Armstrong*.**Maronea crassilabra** (Müll. Arg.) H. Magn.

Magnusson (1929) 326, (1934) 60.

Acarospora crassilabra (Müll. Arg.) Zahlbruckner, Cat. Lich. V : 60.*Lecanora crassilabra* Müll. Arg., J. Müller (Arg.) 1888 : 205 ; Stizenberger (1890) no. 746.on bark, near Lydenburg, *Wilms*.**Maronea horizoides** (Müll. Arg.) Wain.

Wainio (1901) 404 ; Zahlbruckner, Cat. Lich. V : 49 ; Magnusson (1934) 62.

on trunk of *Parinarium*, Morro de Lopollo, *Welwitsch*.

PERTUSARIAACEAE.

Pertusaria alpina Hepp

Zahlbruckner, Cat. Lich. V : 120.

Pertusaria leioplaca (Ach.) DC. var. *octospora* Nyl., Crombie (1876 a) 175 ; Stizenberger (1890) no. 859 ; Nylander (1869 a) 8.on bark, Table Mt., *Eaton* ; Durban, *Armstrong*.**Pertusaria amara** (Ach.) Nyl.

apud Crombie (1876 a) 174 ; Stizenberger (1890) no. 850 ; Zahlbruckner, Cat. Lich. V : 121.

on rocks, Table Mt., *Eaton* ; near Lydenburg, *MacLea*.Var. **capensis** Steiner

Steiner (1907) 646.

on bark, Mt. Mamotsuiri, *Junod 998 pr. p.***Pertusaria ambigens** (Nyl.) Tuck.

Tuckerman (1877) 176, (1882) 213 ; Stizenberger (1890) no. 882 ; Zahlbruckner, Cat. Lich. V : 123.

on bark and rocks, Boschberg, *MacOwan 526*, 115 ; without locality, *Zeyher, Wright*.

Pertusaria aperta Stizenb.

Stizenberger (1890) 241, no. 849 ; Zahlbruckner, Cat. Lich. V : 233.
on rocks, Muizenberg, *MacOwan*.

Pertusaria casta Zahlbr.

Zahlbruckner (1936) 172.
on bark, Knysna, *v. d. Byl* 861, Type.

Pertusaria coccodes Nyl.

Zahlbruckner, Cat. Lich. V : 130.
Pertusaria ceuthocarpa Fr., Stizenberger (1890) no. 856.
on bark, Table Mt., *Wilms*.

Pertusaria commutans Vain.

Vainio (1926) 4 ; van der Byl (1931) 11 ; Zahlbruckner, Cat. Lich. VIII : 520.
on bark of *Ochna* sp., Knysna, *v. d. Byl* 282, Type.

Pertusaria coriacea Th., Fr. var. *obducens* Zahlbr.

Zahlbruckner, Cat. Lich. V : 139.
Pertusaria obducens Nyl., van der Byl (1931) 12.
on tree, Umtali, *Eyles* 4257 (*v. d. Byl* 575, det. A. L. Sm.).

Pertusaria cryptostoma Müll. Arg.

J. Müller-Arg. (1888) 206 ; Stizenberger (1890) no. 868 ; Wainio (1900 a) 9 ;
Zahlbruckner, Cat. Lich. V : 142.
on bark, near Lydenburg, *Wilms*, Type.

Pertusaria Diaziana Massal.

Massalongo (1861) 77 ; Stizenberger (1890) no. 861 ; Zahlbruckner, Cat. Lich.
V : 145.
on sandstone rocks, top of Table Mt., *Wawra*, *MacOwan*.

Pertusaria dispersa Vain.

Vainio (1926) 4 ; van der Byl (1931) II : Zahlbruckner, Cat. Lich. VIII : 521.
on bark of *Ocotea bullata* E. Mey., Knysna, *v. d. Byl* 266, Type.

Pertusaria duplicata Wain.

Wainio (1900 a) 11 ; Zahlbruckner, Cat. Lich. V : 146.
Pertusaria variolosa Müll. Arg. J. Müller-Arg. (1893 d) 126, (non Wainio ex anno
1890) ; Stizenberger (1895) no. 877*bis*.
on bark, South Africa, without locality, *MacOwan*, Kew.

Pertusaria elatior Stirt.

Stirton (1877) 216 ; Stizenberger (1890) no. 883 ; Zahlbruckner, Cat. Lich. V : 147.
on bark, Boschberg, *MacOwan*, Type.

Pertusaria enterostigmoides Zahlbr.

Zahlbruckner (1936) 171.
on ? bark, between Calvinia and Middelpoort (*v. d. Byl* 1104,) Type.

***Pertusaria euglypta* Tuckerm.**

Tuckerman (1877) 177, (1888) 149 ; Stizenberger (1890) no. 865 ; Zahlbruckner
Cat. Lich. V : 148.
on granite rocks, Cape, *Wright*.

***Pertusaria eyelpistia* Massal.**

Massalongo (1861) 79 ; Zahlbruckner, Cat. Lich. V : 148.
on rocks, Cape of Good Hope, *Wawra*.

***Pertusaria flavens* Nyl.**

van der Byl (1931) 11 ; Zahlbruckner, Cat. Lich. V : 151.
on bark, Klapmuts, *v. d. Byl 95* (det. Vain.) ; Zululand, *Harris* (*v. d. Byl 232 pr. p.*, det. Vain.

***Pertusaria flavicunda* Tuckerm.**

Stizenberger (1890) no. 862 ; Zahlbruckner, Cat. Lich. V : 238.
on calcareous and granite rocks, Warm Bokkeveld, near Ceres, *MacOwan*.

***Pertusaria granulata* (Ach.) Müll. Arg.**

Zahlbruckner, Cat. Lich. V : 157.
Trypethelium verrucosum Fée, von Flotow (1843) 22.
Pertusaria verrucosa Fée f. *oligopyrena* Wallr., von Flotow l.c. ; Krauss (1846) 200.
on bark of trees, near Constantia, *Krauss*.

Var. *variolarioides* Flotow.

von Flotow (1843) 23 ; Krauss (1846) 200 ; Zahlbruckner, Cat. Lich. V : 157.
on bark of tree, near Constantia, *Krauss*.

***Pertusaria inquinata* (Ach.) Th. Fr.**

Stizenberger (1890) no. 884 ; Zahlbruckner, Cat. Lich. V : 239.
on sandstone rocks, Table Mt., *MacOwan*.

***Pertusaria laevigata* Arn.**

Zahlbruckner, Cat. Lich. V : 163.
Pertusaria laevigata var. *laevigata* Steiner (1907) 646.
on bark, Mt. Mamotsuiri, *Junod 998 pr. p.*

***Pertusaria leioplaca* (Ach.) DC.**

Nylander (1869 a) 8 ; Stizenberger (1890) no. 859 ; Zahlbruckner, Cat. Lich. V :
164.
on bark, Durban, *Armstrong* ; Cape, without locality.

Var. *pyncocarpa* Nyl.

Stizenberger (1890) no. 859 ; Zahlbruckner, Cat. Lich. V : 169.
on bark, near Lydenburg.

***Pertusaria leioplacella* Nyl.**

Stizenberger (1890) no. 881 ; Zahlbruckner, Cat. Lich. V : 170.
on bark of a pomiferous tree, near Lydenburg, *Wilms*.

Pertusaria leonina Stizenb.

Stizenberger (1890) 242, no. 857 ; van der Byl (1931) 11 ; Zahlbruckner, (1932) 244, Cat. Lich. V : 170.
 on granite and on sandstone rocks, Lion's Head and Table Mt., *MacOwan* ; on rocks, Grey's Pass, Citrusdal, v. d. *Byl* 767 ; Botany Bay, v. d. *Byl* 987 ; Glencairn, v. d. *Byl* 981 ; van Rhyn's Pass, v. d. *Byl*.

Pertusaria leucosoroides Nyl.

van der Byl (1931) 11 ; Zahlbruckner, Cat. Lich. V : 172.
 on stone, Sarnia, *Hean*, (v. d. *Byl* 298, 299, 303, 304, 305, 308, 312, 314, 316 pr. p. det. Vain.).

Pertusaria limosa Zahlbr.

Zahlbruckner (1936) 171.
 on bark of *Fraxinus* sp., Stellenbosch, v. d. *Byl* 822, Type.

Pertusaria mamillana Müll. Arg.

J. Müller-Arg. (1893 b) 298 ; Wainio (1900 a) 9 ; Zahlbruckner, Cat. Lich. V : 175.
 on bark, near Boroma, *Menyharth* 474, Type.

Pertusaria melaleuca (Turn. & Borr.) Duby.

Stizenberger (1890) no. 871 ; Zahlbruckner (1926 b) 503, (1932) 244, Cat. Lich. V : 176.
 on bark, Cape, *Zeyher* ; on *Portulacaria afra* Jacq., Zwartkops, near Port Elizabeth, *Brunnthaler*

Pertusaria melanospora Nyl.

Stizenberger (1890) no. 886 ; Zahlbruckner, Cat. Lich. V : 179.
 on sandstone rocks, Table Mt., *MacOwan*.

Pertusaria microthelia Wain.

Wainio (1901) 405 ; Zahlbruckner, Cat. Lich. V : 180.
 on rocks, near cataract of Lopollo, *Welwitsch* 5 ; near cataract, near Fazenda do Ferrao, *Welwitsch* 47.

Pertusaria multiplicans Vain.

Vainio (1926) 6 ; van der Byl (1931) 11 ; Zahlbruckner, Cat. Lich. VIII : 523.
 on bark of *Quercus* sp., Cape Town, *Eyles*, Type (v. d. *Byl* 388, det. Vain.).

Pertusaria nivea Merrill

van der Byl (1931) 11, non *Fries*, nom. nud.
 on trunk of *Quercus* sp., Klapmuts, v. d. *Byl* 104 (det. Merrill) ; on trunk of *Ficus* sp., Klapmuts, v. d. *Byl* 89 (det. Merrill).

Pertusaria orbiculata (Schreb.) Zahlbr.

Zahlbruckner, Cat. Lich. V : 187.
Variolaria disscidea Pers., *Drège* (1843) 80, 134.
 on ? bark, du Toits Kloof, *Drège* ; Hofmanskloof, between Enon and Zuureberge, *Drège*.

Pertusaria pustulata (Ach.) Duby

Stizenberger (1890) no. 370 ; van der Byl (1931) 12 ; Zahlbruckner, Cat. Lich. V : 207.

on bark, Cape, *Zeyher, Breutel* ; on bark of *Pandanus* sp., Berea, Durban, *v. d. Byl 22* (det. A. L. Sm.).

Pertusaria rhodesica Vain.

Vainio (1926) 5 ; van der Byl (1931) 12 ; Zahlbruckner, Cat. Lich. VIII : 524.

on granite rock, Matopos, *v. d. Byl 155*, Type.

Pertusaria spaniostoma Vain.

Vainio (1926) 5 ; van der Byl (1931) 12 ; Zahlbruckner, Cat. Lich. VIII : 524.

on bark of leafy tree, Elsenburg, *v. d. Byl 242*, Type.

Pertusaria subdealbata Nyl.

Crombie (1876 a) 175, (1876 b) 20 ; Hue (1891) 83 ; Stizenberger (1890) no. 858 ; Zahlbruckner, Cat. Lich. V : 215.

on rocks, Table Mt., *Eaton*, Type.

Pertusaria subvelatula Vain.

Vainio (1926) 3 ; van der Byl (1931) 12 ; Zahlbruckner, Cat. Lich. VIII : 525.

on bark of *Acacia mollissima* Willd., near Howick, *v. d. Byl 203*, Type.

Pertusaria thiostroma Nyl.

Nylander (1890) 54 ; Stizenberger (1890) 244, no. 872 ; Hue (1891) 85 ; Zahlbruckner, Cat. Lich. V : 222.

on bark of a tree of the family Malvaceae, near Durban, *Wilms*, Type.

Pertusaria tropica Wain.

Wainio (1901) 404 ; Zahlbruckner, Cat. Lich. V : 245.

on bark of *Tarchonanthus* sp., at top of mountain, Serra de Xella, *Welwitsch 7*.

Pertusaria trypetheliiformis Nyl.

Zahlbruckner, Cat. Lich. V : 223.

Pertusaria leioplaca var. *trypetheliiformis* Nylander (1869 a) 7 ; Stizenberger (1890) no. 859.

on bark, Durban, *Armstrong* ; Table Mt., *MacOwan*.

Pertusaria velata (Turn.) Nyl.

Stizenberger (1890) no. 851 ; J. Müller-Arg. (1893 b) 298 ; van der Byl (1931) 12 ; Zahlbruckner (1932) 24, Cat. Lich. V : 246.

on bark, Cape of Good Hope, *Sieber, Wilms* ; Boroma, *Mengharth 262* ; on bark of *Trichocladus crinitus* Pers., Hoofbos, Knysna, *v. d. Byl 654*.

Pertusaria vepallida Nyl.

apud Crombie (1876 a) 175, (1876 b) 20 ; Hue (1891) 87 ; Stizenberger (1890) no. 887 ; Zahlbruckner, Cat. Lich. V : 224.

on rocks, Table Mt., *Eaton*, Type.

Pertusaria Wawreana Massal.

Massalongo (1861) 78 ; Stizenberger (1890) no. 855 ; Zahlbruckner, Cat. Lich. V : 249.
on quartzite rocks, Cape of Good Hope, *Wawra*, *MacOwan*.

Pertusaria Wawreanoides Nyl.

apud Crombie (1876 a) 174, (1876 b) 20 ; Stizenberger (1890) no. 855 ; Hue (1891) 83 ; Zahlbruckner (1932) 244, Cat. Lich. V : 249.
on rocks, Table Mt., *Eaton*, *Jelinek*, *MacOwan* ; Lion's Head, *MacOwan* ; Muizenberg, *MacOwan* ; on quartz rocks, Bloukransrivier, *v. d. Byl* 663.

Pertusaria Wilmsii Stizenb.

Stizenberger (1890) 244, no. 869 ; Nylander (1890) 51 ; Hue (1891) 82 ; van der Byl (1931) 12 ; Zahlbruckner, Cat. Lich. V : 225.
on bark of a tree of the family Malvaceae, Durban, *Wilms*, Type ; on trunk of *Quercus* sp., Klapmuts, *v. d. Byl* 132, 144 (det. Vain.) ; Stellenbosch, *v. d. Byl* 238 (det. Vain.) ; Elsenburg, *v. d. Byl* 244 (det. Vain.) ; on trunk of *Ficus* sp., Klapmuts, *v. d. Byl* 127 (det. Vain.) ; on trunk of *Strychnos* sp., Matopos, *v. d. Byl* 183 ; (det. Vain.).

Pertusaria xanthomelaena Müll. Arg.

J. Müller-Arg. (1888) 207 ; Stizenberger (1890) no. 867 ; Wainio (1900 a) 10 ; Zahlbruckner, Cat. Lich. V : 231.
on bark, Table Mt., *Wilms*, Type.

Pertusaria xanthothelia Müll. Arg.

J. Müller-Arg. (1890) 343, (1893 b) 298 ; Wainio (1900 a) 9 ; Zahlbruckner Cat. Lich. V : 232.
on bark, Boroma, *Menyharth* 261.

LECANORACEAE.

Candelariella elaeophaea (Nyl.) Zahlbr.

Zahlbruckner, Cat. Lich. V : 794.
Lecanora elaeophaea Nyl. ex Crombie (1876 a) 173, (1876 b) 20 ; Hue (1891) 58
Stizenberger (1890) no. 641.
on rocks, Table Mt., *Eaton*, Type.

Candelariella glaucolivescens (Nyl.) Zahlbr.

Zahlbruckner, Cat. Lich. V : 795.
Lecanora glaucolivescens Nyl. apud Crombie (1876 a) 173, (1876 b) 20 ; Hue (1891) 58 ; Stizenberger (1890) no. 642.
on rocks, Table Mt., *Eaton*.

Candelariella vitellina (Ehrht.) Müll. Arg.

Zahlbruckner, Cat. Lich. V : 803.
Lecanora vitellina Ach., Stizenberger (1890) no. 636 ; Nylander (1868) 6 ; Wainio (1901) 402.
on calcareous rocks near cataract, ? Ferrao da Sola, Huilla, *Welwitsch*.

f. **athallina** (Wedd.) Zahlbr.

Zahlbruckner (1932) 251, Cat. Lich. V : 808.
van Rhy'n's Pass, van Rhynsdorp, *v. d. Byl* 765 pr. p.

Haematomma coccineum (Dicks.) Körb. var. **porphyricum** (Pers.) Th. Fr.

van der Byl (1931) 12 ; Zahlbruckner, Cat. Lich. V : 763.

on rock, Salisbury, *Eyles* 4819.

Haematomma Fenzlianum Massal.

Massalongo (1861) 58 ; Zahlbruckner, Cat. Lich. V : 767.

Lecanora Fenzlianza Stizenberger (1890) 229, no. 770.

on rocks, (?) Cape, *Wawra*.

It is not clear whether this species was found at the Cape, or only on Ascension Is.

Var. **pulvinare** Zahlbr.

Zahlbruckner (1932) 250.

on quartz rocks, Lüderitzbucht, *F. & R. Wettstein*.

Haematomma puniceum (Sw.) Massal.

Zahlbruckner (1926 b) 505, (1932) 250, Cat. Lich. V : 768 ; van der Byl (1931) 12.

Lecanora punicea Ach., Drège (1843) 85, 132, 134, 141 ; von Flotow (1843) 21 ; Krauss (1846) 201, Stizenberger (1890 & 1895) no. 771.

Lecania punicea Müll. Arg., J. Müller-Arg. (1891 b) 297 ; Schinz (1901) 394.

on bark of *Acacia* sp., near Knysna, *v. d. Byl* 915 ; on *Bruguiera gymnorhiza* Lam., Durban, *v. d. Byl* 143 (det. Vain.) ; on *Erythrina caffra* Thunb., Mayville, *v. d. Byl* 77 *pr. p.* (det. A. L. Sm.) ; on *Euphrobia Ledienii* Berger, Zwartkops, *Brunnthaler* ; on *Portulacaria afra* Jacq., Zwartkops, *Brunnthaler* ; on *Quercus* sp., Elsenburg, *v. d. Byl* 243 (det. Vain.) ; on bark of trees undet., near Boroma, *Menyharth* 254, 255, 468 ; Lydenburg, *Neethling* (*v. d. Byl* 1052, 1054) ; Salisbury, *v. d. Byl* 606 ; Onrust, *v. d. Byl* 326 *pr. p.*, 327 (det. Vain.) ; near Constantia, *Krauss* ; Paarlberg, *Drège* ; Saanteesvlakte, nr. Enon, *Drège* ; ' Glenfilling ', *Drège* ; Hoffmanskloof, between Enon and Zuureberg *Drège*.

Var. **africanum** Steiner

Steiner (1907) 641 ; Zahlbruckner, Cat. Lich. V : 770.

on bark, Mt. Mamotsuiri, *Junod* 993 *pr. p.*, Type.

Var. **breviculum** (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. V : 770.

Lecanora punicea Ach. var. *brevicula* Stizenberger (1890) 229, no. 771 ; van der Byl (1931) 12, as var. *brevicaule* Stizenb.

on bark of trees on hills round Maritzburg, *Rehmann*, Type ; on trunk of *Pandanus* sp. Durban, *v. d. Byl* 32 (det. A. L. Sm.)

Var. **collatum** (Stirt.) Zahlbr.

Zahlbruckner, Cat. Lich. V : 770.

Lecanora punicea var. *collata* Stirton (1877) 216.

on bark, Boschberg, *MacOwan*, 49, Type.

Var. **rufidulum** Zahlbr.

Zahlbruckner (1932) 250, Cat. Lich. V : 771.

Haematomma puniceum f. *rufo-pallens* Wain., van der Byl (1931) 12.

on bark of *Canthium* sp., Brenton, Knysna, *v. d. Byl* 651 ; on *Rapanea melanophleas* Mez. Knysna, *v. d. Byl*.

Var. subarthonioideum Zahlbr.

Zahlbruckner (1932) 250.

on quartzite rocks, Caledon, *Brunnthaler*, Type.**Icmadophila ericetorum** Zahlbr.

Zahlbruckner, Cat. Lich. V : 705.

Lecidea icmadophila Ach., Drège (1843) 80, 85, 88.on soil and old wood, du Toits Kloof, *Drège* ; Paarlberg, *Drège* ; in krantzies, Table Mt., *Drège*.**Lecania arenaria** (Anzi) Flagey

Zahlbruckner, Cat. Lich. V : 715.

Lecanora arenaria Nyl., Stizenberger (1890) no. 663.on crumbling granite rocks, northern slopes of Lion's Head, *MacOwan*.**Lecania cyrtella** Th. Fr.

Zahlbruckner, Cat. Lich. V : 719.

Lecidea anomala Ach., Drège (1843) 134.on trees, Hoffmanskloof, between Enon and Zuureberge, *Drège*.**Lecania fructuosa** (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. V : 732.

Lecanora fructuosa Stizenberger (1890) 226, no. 755.on hard rocks, granite and sandstone, top of Lion's Head, *MacOwan*, Type.**Lecanora albospersa** Stizenb.

Stizenberger (1890) 228, no. 761 ; Zahlbruckner, Cat. Lich. V : 371.

on quartzite rocks, Warm Bokkeveld near Ceres, *MacOwan*, Type.**Lecanora allophana** (Ach.) Röhl.

van der Byl (1931) 12 ; Zahlbruckner, Cat. Lich. V : 371.

Lecanora subfusca (L.) Ach. var. *allophana* Ach., J. Müller-Arg. (1893 b) 297.on bark, near Boroma, *Menyharth* 270 ; on *Erythrina caffra* Jacq., Mayville, *v. d. Byl* 77 *pr.p.* (det. A. L. Sm.).**Var. glabrata** (Ach.) Steiner

Zahlbruckner (1932) 246, Cat. Lich. V : 373.

Lecanora subfusca var. *glabrata* Ach., J. Müller-Arg. (1893 b) 297.on bark, near Boroma, *Menyharth* 254, 262, 264, 272 ; on bark of *Quercus* sp., Genadendal near Caledon, *Brunnthaler*.**Lecanora aspera** Stizenb.

Stizenberger (1890) 213, no. 674 ; Zahlbruckner, Cat. Lich. V : 607.

on granite rocks, Lion's Head and Table Mt., *MacOwan*, Type.**Lecanora atra** (Hudson) Ach.

Drège (1843) 85, 134 ; von Flotow (1843) 23 ; Krauss (1846) 201 ; Stizenberger

(1890) no. 758 ; Zahlbruckner (1932) 245, Cat. Lich. V : 378.

on bark and rocks, Cape, *Zeyher* ; on sandstone rocks, Matjesfontein, *Brunnthaler* ; on quartzite rocks, Glencairn, *v. d. Byl* 1004 ; Lion's Head, *Drège* ; Paarlberg, *Drège* ; Hoffmanskloof, between Enon and Zuureberg, *Drège*.

Var. americana Fée

Wainio (1901) 403 ; Zahlbruckner, Cat. Lich. V : 384.

on trunks of *Parinarium* sp., in high mountains, Morro de Lopollo, *Welwitsch* 38.

Lecanora atraeformis Vain.

apud Lynge (1937) 82.

on bark of *Acacia mollissima* Willd., Howick, van der Byl 201, Type.

Lecanora atrorimata Nyl.

apud Crombie (1876 a) 174 ; Hue (1891) 70 ; Stizenberger (1890) no. 759 ;

Zahlbruckner, Cat. Lich. V : 388

on rocks, Table Mt., *Eaton*, Type.

Lecanora atosulphurea Ach.

Stizenberger (1890) no. 730 ; Zahlbruckner, Cat. Lich. V : 388.

Lecideola flavescens Massalongo (1861) 90.

crumbling granite rocks, Lion's Head, *MacOwan* ; Cape of Good Hope, *Drège* 9244.

f. **leptococca** Stizenb.

Stizenberger (1890) 222, no. 730 ; Zahlbruckner, Cat. Lich. V : 389.

on rocks, Muizenberg, *MacOwan*.

f. **livens** Stizenb.

Stizenberger (1890) 222, no. 730 ; Zahlbruckner, Cat. Lich. V : 389.

on rocks, summit of Lion's Head, *MacOwan*.

Lecanora badia Ach. var. **cinerascens** Flotow

Zahlbruckner, (1932) 246, Cat. Lich. V : 396.

on gneiss rocks, Table Mt., opposite Camps Bay, *Brunnthaler*.

Lecanora bicincta Ram.

Stizenberger (1895) no. 713 *bis* ; Zahlbruckner, Cat. Lich. V : 398.

South Africa, without locality.

Lecanora blanda Nyl.

Zahlbruckner (1932) 245, Cat. Lich. V : 399.

on rocks, Waterfall, Knysna, *v. d. Byl* 927 ; Gouritzrivier, *v. d. Byl* 831.

Lecanora bogotana Nyl.

Stizenberger (1890) no. 701 ; van der Byl (1931) 12 ; Zahlbruckner, Cat. Lich. V : 399.

as *Lecanora chlarona* var. *bogotana* (Nyl.) Vain. in Herb. van der Byl.

on rocks, Lebombo Mts., *Wilms* ; near Durban, *Wilms* ; on bark of *Quercus* sp., Klapmuts, *v. d. Byl* 135 ; Stellenbosch, *v. d. Byl* 239 (det. Vain.) ; on *Ficus elastica* Roxb., Knysna *v. d. Byl* 273, 274 (det. Vain.)

Lecanora Breuteliana Massal.

Massalongo (1861) 88 ; Zahlbruckner, Cat. Lich. V : 400.

on branches of trees, Cape of Good Hope, *Breutel* (Type ex Herb. Hampe).

Lecanora Bylii Vain.

Vainio (1926) 2 ; van der Byl (1931) 12 ; Zahlbruckner, Cat. Lich. VIII : 526.
on stones, Sarnia, *Hean* (v. d. Byl 316 pr. p., 318, Type).

Lecanora Bylii Zahlbr.

Zahlbruckner, (1932) 248, non Vainio.
on quartz rocks, Poole's Bay, v. d. Byl 799, 800.

Lecanora caesiopallens Vain.

apud Lynge (1937) 82.
on bark of *Ocotea bullata* E. Mey., Knysna, v. d. Byl 262, Type.

Lecanora cancriformis (Hoffm.) Wain.

Zahlbruckner, Cat. Lich. V : 401.
Lecanora caesiorubella Ach., Stizenberger (1890) no. 707 ; J. Müller-Arg. (1893) 297.
on bark, near Lydenburg, *Wilms* (Lojka Lichenoth. 78) ; near Boroma, *Menyharth* 259.

Lecanora candidata Stizenb.

Stizenberger (1890) 214, no. 678 ; Zahlbruckner, Cat. Lich. V : 608.
on rocks, Lion's Head, *MacOwan*, Type.

Lecanora carneoflava Müll. Arg.

J. Müller-Arg. (1888) 205 ; Stizenberger (1890) no. 743 ; Zahlbruckner, Cat.
Lich. V : 402.
on bark, near Lydenburg, *Wilms*, Type.

Lecanora carpinea (Linn.) Wain.

Zahlbruckner, Cat. Lich. V : 402.
Lecanora angulosa Ach., Stizenberger (1890) no. 706.
Lecanora albella f. *angulosa* (Ach.) Nylander (1869 a) 8.
on bark, Durban, *Armstrong*.

Lecanora cateiloides Vain.

Vainio (1926) 2 ; van der Byl (1931) 12 ; Zahlbruckner, Cat. Lich. VIII : 533.
on tree trunk, near Howick, v. d. Byl 218, Type.

Lecanora chlarona (Ach.) Nyl.

Stizenberger (1890) no. 693 ; van der Byl (1931) 12 ; Zahlbruckner, (1926 b) 503,
(1932) 246, Cat. Lich. V : 413.
on trunks of trees, Cape of Good Hope ; Natal, *Rehmann* ; near Lydenburg, *Wilms* ;
Klapmuts, v. d. Byl 97 (det. Merrill.) ; Maritzburg, v. d. Byl 59 (det. A. L. Sm.) ;
Tradouw's Pass, Ladismith, v. d. Byl 360 (det. Vain.) ; Howick, v. d. Byl ; on *Portula-*
caria afra Jacq., Zwartkops near Port Elizabeth, *Brunnthaler* ; *Prunus salicina* Lindl.,
Hopefield, v. d. Byl 145 (det. Vain.) ; on *Quercus* sp., Paarl Distr., v. d. Byl 87 (det.
Merrill).

f. **geographica** Nyl.

Stizenberger (1890) no. 693 ; Zahlbruckner, Cat. Lich. V : 415.
on bark, Cape, *Breutel*,

f. pinastri Cromb.

Stizenberger (1890) no. 693 ; Zahlbruckner, Cat. Lich. V : 416.
on bark of *Thuja orientalis* Linn., Botanical Gardens, Cape Town, *MacOwan*.

Lecanora chlarotera Nyl.

Stizenberger (1891) no. 694bis ; Zahlbruckner, Cat. Lich. V : 418.
on bark of *Quercus* sp., near Muizenberg, *MacOwan* (in Herb. Stizenb.).

Lecanora chondroplaca Zahlbr.

Zahlbruckner (1932) 244.
on sandstone rocks, near Matjesfontein, *Brunnthaler*.

Lecanora cinefacta Stizenb.

Stizenberger (1890) 223, no. 731 ; Zahlbruckner, Cat. Lich. V : 419.
on granite rocks, Lebombo Mts., *Wilms*, Type.

Lecanora cinerea Röhl.

Zahlbruckner, Cat. Lich. V : 278.
Urceolaria cinerea Ach., Drège (1843) 86.
on rocks, Paarlberg, *Drège*.

Lecanora coarctata Ach.

Stizenberger (1890) no. 794 ; Zahlbruckner, Cat. Lich. V : 419.
on ground, near Lydenburg, *Wilms*.

f. cotaria Ach.

Stizenberger (1890) no. 794 ; Zahlbruckner, Cat. Lich. V : 422.
on sandstone rocks, Lion's Head, *MacOwan*.

f. fulgiana Zahlbr.

Zahlbruckner, Cat. Lich. V : 422.
Lecanora coarctata f. *argilliseda* Duf., Stizenberger (1890) no. 794.
on clay soil, Spitzkop near Lydenburg, *Wilms*.

var. fossulans Stizenb.

Stizenberger (1890) 233, no. 794 ; Zahlbruckner, Cat. Lich. V : 425.
on sandstone rocks, Spitzkop, near Lydenburg, *Wilms*, Type.

Lecanora coilocarpa Nyl.

Stizenberger (1890) no. 694 ; Zahlbruckner, Cat. Lich. V : 428.
on wood, in Bot. Gard., Cape Town, *MacOwan* ; on rocks, near Lydenburg, *Wilms*.

Lecanora cruda Stizenb.

Stizenberger (1890) 222, no. 728 ; Zahlbruckner, Cat. Lich. V : 439.
on bark of pomiferous trees, Lydenburg, *Wilms*, Type.

Lecanora deminuta (Müll. Arg.) Stizenb.

Stizenberger (1890) no. 535 ; Zahlbruckner, Cat. Lich. V : 619.
Placodium deminutum Müll. Arg., J. Müller-Arg. (1888) 204.
on rocks, near Lydenburg, *Wilms*, Type.

Lecanora diffusilis Nyl.

apud Crombie (1876 a) 174, (1876 b) 20 ; Hue (1891) 70 ; Stizenberger (1890) no. 760 (ex errore *L. diffusibilis*) ; Zahlbruckner, (1932) 245, Cat. Lich. V : 440. on rocks, Table Mt., Eaton, Type ; Botany Bay, v. d. Byl 922 ; Gouritzrivier, v. d. Byl 825, 832.

Lecanora dispersa (Pers.) Röhl.

Zahlbruckner, Cat. Lich. V : 440.

f. *nana* Vain., van der Byl (1931) 12, ? nom. nud. on stone, Stellenbosch, v. d. Byl 254 (det. Vain.).

f. *testacea* Vain. in Herb. van der Byl., ? nom. nud. on old wood, Hopefield, v. d. Byl 339 (det. Vain.).

Lecanora elapheia Stizenb.

Stizenberger (1890) 220, no. 712 ; Zahlbruckner, Cat. Lich. V : 447. on bark, Cape of Good Hope, MacOwan, Type.

Lecanora epichlora Vain.

Vainio (1926) 3 ; van der Byl (1931) 12 ; Zahlbruckner, Cat. Lich. VIII : 528. on granite rocks, Matopos, v. d. Byl 162, Type.

Lecanora expallens (DC.) Ach.

Stizenberger (1890) no. 736 ; Zahlbruckner, Cat. Lich. V : 449.

Lecanora expallens var. *lutescens* Stizenberger l.c. on bark of trees, near Durban, Wilms ; on bark of *Quercus* sp., Talbe Mt., MacOwan.

Lecanora flavovirens Fée.

Nylander (1869 a) 8 ; Stizenberger (1890) no. 714 ; Zahlbruckner, Cat. Lich. V : 453. on bark, Durban, Armstrong ; on rocks, near Saldanha Bay, Osbeck.

Lecanora flexuosa Stizenb.

Stizenberger (1890) 219, no. 709 ; Zahlbruckner, Cat. Lich. V : 454. on hard rocks, ' Duivels Knoopkier ', near Lydenburg, Wilms, Type.

Lecanora frustulosa Ach.

Drège (1843) 53, 75 ; Zahlbruckner, Cat. Lich. V : 454. on stones, Witberg Drège ; Piquetberg, Drège.

Lecanora galactiniza Nyl.

apud Crombie (1876 a) 173, (1876 b) 20 ; Hue (1891) 62 ; Stizenberger (1890) no. 679 ; van der Byl (1931) 12 ; Zahlbruckner (1932) 246, Cat. Lich. V : 459. on quartzite rocks, Table Mt., Eaton, Type ; on rocks near river, Salisbury, Eyles 4822 (v. d. Byl 589).

Lecanora helva Stizenb.

Stizenberger (1890) 218, no. 704 ; van der Byl (1931) 12 ; Zahlbruckner, Cat. Lich. V : 472.

on bark of pomiferous trees, near Lydenburg, *Wilms*, Type ; on bark of *Ficus elastica* Roxb., Knysna, v. d. *Byl* 270 (det. Vain.) ; on bark of *Ocotea bullata* E. Mey., Knysna, v. d. *Byl* 267, 268 (det. Vain.) ; on bark of *Xylotheca Kraussiana* Hochst. Mayville, v. d. *Byl* (det. A. L. Sm.).

Lecanora hypocrocina Nyl.

J. Müller-Arg. (1890) 342, (1893 b) 297 ; Hue (1891) 63 ; Stizenberger (1895) no. 692bis ; Schinz (1905) 394 ; Zahlbruckner, Cat. : Lich. V : 472

on bark, near Boroma, *Menyharth* 469, 470.

Lecanora impressa (Krempelh.) Zahlbr.

Zahlbruckner, Cat. Lich. V : 319.

Lecidea impressa Krempelh., J. Müller-Arg. (1893 b) 298 ; Schinz (1905) 395. on rocks, near Boroma, *Menyharth* 1, 216.

Lecanora labiosa Stizenb.

Stizenberger (1890) 215, no. 686 ; Zahlbruckner, Cat. Lich. V : 479.

on bark of tree, Spitzkop near Lydenburg, *Wilms*, Type.

Lecanora leprosa Fée

Zahlbruckner, Cat. Lich. V : 480.

Lecanora subfusca Ach. var. *cinereocarnea* Müll. Arg., J. Müller-Arg. (1893 b) 297 ; Schinz (1905) 394.

Lecanora cinereocarnea Stizenberger (1890) 218, no. 703 ; van der Byl (1931) 12. on bark, Boroma, *Menyharth* 251, 265, 272, 274 ; near Lydenburg, *Wilms* ; Keurboomsrivier, Knysna, v. d. *Byl* 285 (det. Vain.) ; Woodbush, v. d. *Byl* 526 (det. Vain.) ; on trunk of *Acacia mollissima* Willd., Howick, v. d. *Byl* 200 (det. Vain.) ; Woodbush, v. d. *Byl* 492 (det. Vain.) ; on trunk of *Ficus elastica* Roxb., Knysna, v. d. *Byl* 285 (det. Vain.).

Lecanora leptoplaca Zahlbr.

Zahlbruckner (1932) 249.

on sandstone rocks, Laingsberg, *Brunthaler*, Type.

Lecanora leucozantha Müll. Arg.

J. Müller-Arg. (1888) 205 ; Zahlbruckner, Cat. Lich. V : 483.

Lecanora leucozanthella Stizenberger (1890) 225, no. 742. on bark, near Lydenburg, *Wilms*, Type.

Lecanora nidulans Stizenb.

Stizenberger (1890) 192, no. 531 ; Zahlbruckner, Cat. Lich. V : 644.

on Mastenberg, near Saldanha Bay, *Zeyher*, Type.

Lecanora nubila Stizenb.

Stizenberger (1890) 231, no. 783 ; Zahlbruckner, Cat. Lich. V : 335.

Aspicilia nubila Hue (1912) 114. on dolomite rocks, Spitzkop, near Lydenburg, *Wilms*, Type.

Lecanora obvirescens Stizenb.

Stizenberger (1890) 224, no. 740 ; Zahlbruckner, Cat. Lich. V : 491.
on woody parts of *Phoenix dactylifera* Linn., Durban, *Wilms*, Type.

Lecanora ostracoderma Ach.

Acharius (1810) 347, (1814) 147 ; Zahlbruckner, Cat. Lich. V : 495.
Parmelia ostracoderma Acharius (1803) 157.
Lichen peltatus **Lecanora ostracoderma* Lamarck (1913) 392.
on rocks, South Africa.

Lecanora pallida (Schreb.) Rabenh.

Zahlbruckner, Cat. Lich. V : 496.
Lecanora albella Ach., Stizenberger (1890) no. 708.
on bark of trees, Cape of Good Hope, *Gueinzius*, *Breutel* ; near Lydenburg, *Wilms*.

Lecanora placodina Zahlbr.

Zahlbruckner, (1921) 240, (1926 b) 503, Cat. Lich. V : 509.
on schistose rocks, Wasserberg, near Windhoek, *Fincke*, Type.

Lecanora polytypa Vain.

in Herb. van der Byl, nom. nud.
on ironstone, Howick, *v. d. Byl* 219 (det. Vain.).

Lecanora prosecha Ach. var. **homaloplaca** (Nyl.) Vain.

Vainio (1901) 404 ; Zahlbruckner, Cat. Lich. V : 519.
Lecanora homaloplaca Nylander (1868) 512 ; Hue (1891) 65.
on hard rocks, Howick, *v. d. Byl*.

Lecanora psaromela Nyl.

apud Crombie (1876 a) 174, (1876 b) 20 ; Hue (1891) 58 ; Stizenberger (1890)
no. 765 ; Zahlbruckner, Cat. Lich. V : 520.
on rocks, Table Mt., *Eaton*, Type.

Lecanora Rehmannii Stizenb.

Stizenberger (1890) 227, no. 757 ; Zahlbruckner, Cat. Lich. V : 522.
on bark in northern Natal, *Rehmann*, Type.

Lecanora rupicola (Linn.) Zahlbr.

Zahlbruckner, Cat. Lich. V : 525.
Lecanora glaucoma Ach., Drège (1843) 53, 80, 86.
on rocks, Witberg, *Drège* ; Piquetberg, *Drège* ; du Toits Kloof, *Drège* ; Paarlberg, *Drège*.

Lecanora subcarnea (Sw.) Ach.

Zahlbruckner, Cat. Lich. V : 547.
(?) as *Lecanora subcarnosa* (Sw.) Ach., van der Byl (1931) 13.
(?) on stone, Zimbabwe Ruins, *v. d. Byl*.

Lecanora subdepressa Nyl.

Zahlbruckner, Cat. Lich. V : 351.

Lecanora gibbosa (Ach.) Nyl. var. *subdepressa* Nyl., Herb. v. d. Byl.
on stones, Stellenbosch, v. d. Byl 257 (det. Vain.).**Lecanora subfusca** (Linn.) Ach.von Flotow (1843) 20 ; Drège (1843) 66, 132, 134, 146 ; Krauss (1846) 201.
Stizenberger (1890) no. 682 ; van der Byl (1931) 13 ; Zahlbruckner, Cat.
Lich. V : 551.on bark, Cape of Good Hope and near Lydenburg, *Wilms* ; Maritzburg, v. d. Byl 57 (c et.
A. L. Sm.) ; Boschberg, *MacOwan* 528, 74 ; on *Quercus*, Klapmuts, v. d. Byl 96, 105
(det. Merrill) ; on bark of *Gymnosporia*, Swellendam, *Krauss* ; Witpoortberg, *Drège*
Samteesvlakte, *Drège* between ' Key ' and ' Basche ', *Drège* ; Hoffmanskloof, *Drège* ;Var. *campestris* Rabenh.Stizenberger (1890) no. 682 ; Zahlbruckner, Cat. Lich. V : 560.
on granite rocks, Orange Free State, *Rehmann*.Var. *subcrenulata* Nyl.van der Byl (1931) 13 ; Zahlbruckner, Cat. Lich. V : 567.
on bark of *Ficus* sp., Klapmuts, v. d. Byl 134 (det. Vain.) ; on *Quercus* sp., Elsenburg, v. d.
Byl.Var. *subgranulata* Nyl.Zahlbruckner, Cat. Lich. V : 567.
Lecanora subgranulata Nyl., Stizenberger (1890) no. 699.
on bark of pomiferous trees, near Lydenburg, *Wilms*.**Lecanora sylvestris** (Nyl.) Stizenb.Stizenberger (1890) no. 692 ; Zahlbruckner, Cat. Lich. V : 579.
on bark of *Rhamnus* sp., near Uitenhage, *Krauss*.**Lecanora thiocheila** Stizenb.Stizenberger (1890) 219, no. 711 ; Zahlbruckner, Cat. Lich. V : 5888.
on bark, near Lydenburg, *Wilms*.**Lecanora varia** (Ehrht.) Ach.von Flotow (1843) 22 ; Krauss (1846) 201 ; Stizenberger (1890) no. 745 ;
Zahlbruckner, Cat. Lich. V : 592.
on cortex of *Opuntia*, around Cape Town, *Krauss*.**Lecanora vincentina** Nyl.van der Byl (1931) 13 ; Zahlbruckner, Cat. Lich. V : 599.
on rock, Sarnia, *Hean* (v. d. Byl 300, 301, 313, det. Vain.).**Ochrolechia africana** Vain.Vainio (1926) 3 ; van der Byl (1931) 12 ; Zahlbruckner, Cat. Lich. VIII : 548.
on trunk of tree, Durban, v. d. Byl 136, Type.**Ochrolechia africana** Zahlbr.Zahlbruckner (1926 b) 504, Cat. Lich. V : 676, not Vain.
on stem of *Portulacaria afra* Jacq., Zwartkops, near Port Elizabeth, *Brunnthaler*.

Ochrolechia pallescens (Linn.) Massal.

- Zahlbruckner (1932) 250, Cat. Lich. V : 682 ; van der Byl (1931) 12.
Lecanora pallescens Röhl., J. Müller-Arg. (1893) b 297 ; Drège (1843) 134 : Stizenberger (1895) no. 774 ; Schinz (1905) 394.
 on bark, near Boroma, *Menyharth 259 pr. p.* ; Salisbury, *v. d. Byl 602* ; The Wilderness, *v. d. Byl 293* ; Onrust, *v. d. Riet (v. d. Byl 323, det. Vain.)* ; Tradouw's Pass, *v. d. Byl 358 (det. Vain.)* ; on trunk of *Acacia mollissima* Willd., Howick, *v. d. Byl 202 (det. Vain.)* ; on bark of *Canthium* sp., Brenton, Knysna, *v. d. Byl 689* ; Hoffmans Kloof, between Enon and Zuureberge, *Drège*.

Ochrolechia parella (Linn.) Massal.

- Massalongo (1861) 56 ; Zahlbruckner (1932) 249, Cat. Lich. V : 686.
Lecanora parella Ach., Drège (1843) 80 ; Nylander (1869 a) 8 ; Stizenberger (1890) no. 775 ; van der Byl (1931) 13.
Variolaria lactea Wahlbg., Drège (1843) 80.
 on branches and trunks of trees, The Heads, Knysna, *v. d. Byl 937* ; Stella Bush, *v. d. Byl 71 (det. A. L. Sm.)* ; du Toits Kloof, *Drège* ; on trunk of *Erythrina caffra* Thunb., Durban, *v. d. Byl 76 (det. A. L. Sm.)* ; on trunk of *Gymnosporia* sp. Stil Bay, *v. d. Byl 944 (det. A. L. Sm.)* ; on *Pandanus* sp., Durban, *v. d. Byl 14, (det. A. L. Sm.)* ; on stem of *Portulacaria afra* Jacq., Zwartkops, *Brunnthaler*.
 on volcanic rocks, Cape, *Wawa* ; on sandstone rocks, Durban, *Armstrong* ; The Heads, Knysna, *v. d. Byl 635*.

Phlyctella andensis Nyl.

- Stizenberger (1890) no. 845 ; Zahlbruckner, Cat. Lich. V : 785.
 on tree trunks, Boschberg, *MacOwan*.

Phlyctella capillaris (Stirt.) Stizenb.

- Stizenberger (1890) 241, no. 846 ; Zahlbruckner, Cat. Lich. V : 786.
Phlyctis capillaris Stirtion (1877) 217.
 on bark, Boschberg, *MacOwan*.

Phlyctidia boliviensis (Nyl.) Müll. Arg.

- Zahlbruckner, Cat. Lich. V : 789.
Phlyctis boliviensis Nylander (1869 a) 8 ; Stirtion (1877) 217 ; Stizenberger (1890) no. 847.
 on bark, Durban, *Armstrong* ; Boschberg, *MacOwan*, 118.

Phlyctis argena Flotow

- Zahlbruckner, Cat. Lich. V : 782.
Thelotrema variolarioides Ach., Drège (1843) 132, 141, 146.
 on trees, Samteesvlakte, nr. Enon, *Drège* ; ' Glenfilling ', *Drège* ; between ' Key ' and ' Basche ', *Drège*.

Phlyctis candida Zahlbr.

- Zahlbruckner (1932) 250.
 on bark of trees, Hoofbos, Knysna, *v. d. Byl 881*, Type.

PARMELIACEAE.

Candelaria concolor (Dicks.) Arn.

Steiner (1907) 641 ; van der Byl (1931) 13 ; Zahlbruckner, Cat. Lich. VI : 4.

Lecanora laciniosa Nyl., Stizenberger (1890) no. 647.

on bark, Somerset East, *MacOwan* 502 (? S.A.M. 46964) ; near Lydenburg, *Wilms* ; Stellenbosch, *Duthie* 9 ; on *Schinus molle* Linn., Durbanville, *v. d. Btl* 442 (det. Vain.).

Candelaria fibrosa (Fr.) Müll. Arg.

Zahlbruckner, Cat. Lich. VI : 9.

Physcia fibrosa Nylander (1860 a) 413 ; Stirton (1877) 215.

Lecanora fibrosa Stizenberger (1890 & 1895) 208, no. 638.

on bark, Cape, *MacOwan* ; Spitzkop, near Lydenburg, *Wilms* ; Piesanghoek, *Watson*, 774 ; Zambesi Region, *Menyharth*.

Candelaria stellata Müll. Arg.

J. Müller-Arg. (1887) 319, (1893 b) 296 ; Zahlbruckner, Cat. Lich. VI : 9.

on bark, Boroma, *Menyharth* 262, 264.

Parmelia abessinica Nyl.

Krempelhuber (1877) 140 ; J. Müller-Arg. (1890) 339 ; Zahlbruckner, Cat. Lich. VI : 223.

Parmelia abyssinica Nylander (1885) 608 ; Hue (1890) 282 ; Stizenberger (1890) no. 286.

on bark, near Lydenburg, *Wilms*.

Var. **sorediosa** Müll. Arg.

J. Müller-Arg. (1885) 501 ; Zahlbruckner, Cat. Lich. VI : 223.

Parmelia abyssinica var. *sorediosa* Müll. Arg., Stizenberger (1890) no. 286.

Parmelia hababiana Gyelnik (1931) 288.

on branches, Transvaal, *Wilms*.

Parmelia adhaerens Nyl.

apud Crombie (1876 a) 168, (1876 b) 19 ; Stizenberger (1890) no. 272 ; Hue (1890) 290 ; Zahlbruckner, Cat. Lich. VI : 120.

on quartzite rocks, Table Mt., *Eaton*, Type.

Parmelia aleuriza Vain.

apud Lynge (1937) 86.

on bark of *Quercus* sp., Hopefield, *v. d. Byl*, Type.

Parmelia amphixanthoides Steiner & Zahlbr.

Zahlbruckner (1926 b) 505, Cat. Lich. VI : 121.

on sandstone rocks, Laingsburg, *Brunnthaler*, Type.

Parmelia amplexa Stirt.

Stirton (1877) 212 ; Zahlbruckner, Cat. Lich. VI : 121.

on bark, Boschberg, *MacOwan*, Type.

Parmelia atrichoides Nyl.

apud Crombie (1876 a) 167 ; Stizenberger (1890) no. 305 ; Hue (1890) 284 ; Jatta (1910) 192 ; Zahlbruckner, Cat. Lich. VI : 152.

on rocks, Table Mt., *Eaton*.

Parmelia Bijlii Vain.

Vainio (1926) 1 ; Lynge (1937) 86 ; van der Byl (1931) 13 ; Zahlbruckner, *Cat. Lich.* VIII : 554.
on bark of *Quercus* sp., Klappmuts, *v. d. Byl* 128, Type and 149.

Parmelia Borreri Turn.

Drège (1843) 85, 141, 144, 146 ; Nylander (1860 a) 389, (1869 b) 289 ; Stizenberger (1890) no. 320 ; van der Byl (1931) 13 ; Zahlbruckner, *Cat. Lich.* VI : 153.
Parmelia dubia Schaer., Massalongo (1861) 50 ; Steiner (1907) 641 ; van der Byl (1931) 13.
on bark, Cape, *Wawra* ; Natal, *Rehmann* ; Transvaal, *MacLea* ; on *Punica granatum* L., Hopefield, *v. d. Byl* 389 (det. Vain.) ; on *Quercus* sp., Klappmuts, *v. d. Byl* 80 (det. Merrill) ; on bark, Paarlberg, *Drège* ; 'Glenfilling', *Drège* ; in a valley in the forest, between 'Buffelrivier' and 'Key' *Drège* ; in a damp place in the forest, between 'Gekau' and 'Basche', *Drège*.

Var. *stietica* Duby

Zahlbruckner (1932) 254, *Cat. Lich.* VI : 156.
on bark, Woodbush, *v. d. Byl* 520.

Var. *ulophylla* Nyl.

Zahlbruckner (1926 b) 512, *Cat. Lich.* VI : 156.
on bark, Haifischinsel off Lüderitzbucht, *Fincke*.

Parmelia brachyphylla Müll. Arg.

J. Müller-Arg. (1886) 256 ; Stizenberger (1890) no. 304 ; Wainio (1900) 4 ; Zahlbruckner (1926 b) 512, *Cat. Lich.* VI : 157.
on rocks, near Lydenburg, *Wilms*, Type.

Parmelia Brunthaleri Steiner & Zahlbr.

Zahlbruckner (1926 b) 505, *Cat. Lich.* VI : 122, Gyelnik (1938) 270.
on sandstone rocks, Matjesfontein, Brunthaler, Type ; near Kakamas, *v. d. Byl* 1146.
f. *irregularis* Gyeln.
Gyelnik (1938) 270.
on stone, Rooidam, Calvinia, *v. d. Byl* 1122.

Parmelia caffrorum Zahlbr.

Zahlbruckner, *Cat. Lich.* VIII : 555.
Parmelia austroafricana Zahlbruckner, *Cat. Lich.* VI : 152, non Stirton 1877
Parmelia capensis Nylander (1885) 613, non Ach. ; Hue (1890) 285 ; Stizenberger (1890) no. 315.
Cape of Good Hope, *Drège*.

Parmelia caperata (Linn.) Ach.

Drège (1843) 141 ; (1860 a) 376 ; Stirton (1877) 212 ; Stizenberger (1890) no. 254 ; van der Byl (1931) 13 ; Zahlbruckner (1926 b) 506, *Cat. Lich.* VI : 226.
on bark and old wood, 'Glenfilling', *Drège* ; Rhodesia, *Eyles* 822 (*v. d. Byl* 557) ; on *Podocarpus* sp., van Reenen's Pass, *Brunthaler* ; on *Quercus* sp., Genadendal, near Caledon, *Brunthaler*.

Parmelia centrifuga (Linn.) Ach.

Stizenberger (1890) no. 270 ; Zahlbruckner, Cat. Lich. VI : 122.
on rocks, Cape, *Zeyher*.

Parmelia ceresina Vain.

apud Lynge (1937) 87 ; van der Byl (1931) 13.
on rocks, Ceres, *Leslie* (v. d. Byl 474), Type.

Parmelia cetrarioides Del.

Stizenberger (1890) no. 296 ; Zahlbruckner, Cat. Lich. VI : 233.
on bark, South Africa, without locality, *Drège*, *Zeyher*, *Rehmann*, *Wilms*.

Parmelia cetrata Ach.

Zahlbruckner, Cat. Lich. VI : 160.

Parmelia perforata Ach. var. *cetrata* Fr., Nylander (1860 a) 378 ; Hue (1890) 280 ;
Stizenberger (1890 & 1895) no. 280.
on bark, Natal, *Rehmann* ; Pondoland, *Bachmann*.

f. *ciliosa* Viaud. Gr. Marais

Steiner (1907) 641 ; Zahlbruckner (1926 b) 514, Cat. Lich. VI : 160.
on bark, Mt. Mamotsuiri, *Junod 975* ; on *Portulacaria afra* Jacq., Despatch, near Uitenhage, *Brunnthaler* ; on the ground, near Caledon, *Brunnthaler*.

Parmelia chlorea Stizenb.

Stizenberger (1890) 151, no. 257 ; Zahlbruckner, Cat. Lich. VI : 124.
on stones, Orange Free State, *Orpen*.

Parmelia citrinireagens Gyeln.

Gyelnik (1931 b) 282 ; Zahlbruckner, Cat. Lich. VIII : 555.

Parmelia digitulata Nyl. var. *citrinireagens* Gyelnik (1934) 154.
Enon, *Breutel* (sub *Parmelia conspersa flavic.* in Herb. Bouly de Lesdain, Dunkerque) ;
Montagu Pass, *Breutel* (sub *Parmelia conspersa var. E.* in Herb. B. de Lesdain).

Var. *angustior* Gyeln.

Gyelnik (1931 b) 282 ; Zahlbruckner, Cat. Lich. VIII : 555.
Table Mt., *Wilms* (sub *Parmelia conspersa var. laxa* in Herb. Bouly de Lesdain).

Parmelia colorata Gyeln.

Gyelnik (1938) 272.

on stone, Bitterfontein, Namaqualand, v. d. Byl 1192, Type ; without locality, *de Boers*
(v. d. Byl 1087).

Parmelia concolor Spreng.

Sprengel (1827) 328 ; Zahlbruckner (1932) 252, Cat. Lich. VI : 125.

Parmelia leonora Sprengel apud Massalongo (1861) 51 ; Stizenberger (1890) 152, no.
260 ; van der Byl (1931) 14.

Parmelia conspersa Ach. var. *leonora* Lindsay (1859) 233.

Parmelia phaeophana (1877) Stirton 214.

on rocks, South Africa, without locality, *Drège 64*, *Breutel*, *Baur*, *Wavra*, *McLea* ; Boschberg, *MacOwan* ; Brandfort, *Verwoerd* (v. d. Byl 382, det. Vain.) ; Gouritz Rivier,

v. d. Byl 826 ; Miuzenberg, *v. d. Byl 984, 986* ; on sandstone rocks, Stellenbosch, *v. d. Byl 975* ; Lion's Head, *Pappe* (S. A. M. 46868) ; without locality, *Pappe 12* (S. A. M. 46876).

Var. **multifida** (Flotow) Zahlbr.

Zahlbruckner, Cat. Lich. VI : 125.

Parmelia leonora Spreng. var. *multifida* von Flotow (1843) 29 ; Massalongo (1861) 51.

Parmelia conspersa var. *multifida* (Flotow) Stizenberger (1890) no. 259.
on rocks, Cape, *Wawra, Krauss, Wilms*.

Var. **platyphylla** (Massal.) Zahlbr.

Zahlbruckner, Cat. Lich. VI : 125.

Parmelia leonora var. *platyphylla* Massalongo (1861) 51 ; ? von Flotow (1843) 29, nom. nud. ; Krauss (1846) 201.

on rocks, Cape of Good Hope, *Wawra* ; slopes of Table Mt., *Krauss*.

Parmelia concrescens Wain.

Wainio (1901) 400 ; Zahlbruckner, Cat. Lich. VI : 162.

on trunk of tree, in high mountain region of Serra da Xella, *Welwitsch 30 pr. p.*

Parmelia conspersa Ach.

Acharius (1803) 205, (1810) 486, (1814) 209 ; Drège (1843) 52, 80, 114, 125, 132, 133, 138, 141 ; Nylander (1860 a) 391 ; Massalongo (1861) 50 ; Crombie (1876 a) 167 ; Stizenberger (1890) no. 259 ; Wainio (1901) 401 ; Steiner (1907) 639 ; Schultze (1907) 706 ; van der Byl (1931) 13 ; Zahlbruckner (1926 a) 506, Cat. Lich. VI : 125 ; Watt. & Breijer-Brandwyk (1932) 215.

amongst mosses on rocks, Table Mt., *Eaton* ; on rocks, Cape, *Wawra* ; Witberg, *Drège* ; du Toits Kloof, *Drège* ; Olyfhout Kloof, *Drège* ; Paarlberg, *Drège* ; between Groenekloof and Dassenberg, *Drège* ; near Klein and Groot Vischrivier, *Drège* ; ' Glenfilling ', *Drège* ; in forest ' Koratra ', *Drège* ; Samteesvlakte, *Drège* ; Swellendam, *Marloth 12102* ; Klein Vis Rivier, *MacOwan 507, 507 b, 85, 86* ; Matopos, *Borle 54 c, 87* ; Stellenbosch, *Duthie 5* ; Paarl, *v. d. Byl* ; Wellington, *Doidge, 89* ; Klapmuts, *v. d. Byl 99* (det. Merrill) ; Kentani, *Pegler 1229, 88* ; Bandolier Kop, *Doidge, 90* ; Kooa, Kalahari, *Schultze 116* ; on sandstone rocks in high mountain region of Morro de Lopollo, *Welwitsch 53, 54 pr. p.*

f. **isidiata** Anzi.

Zahlbruckner (1926 b) 506, Cat. Lich. VI : 130 ; van der Byl (1931) 13.

on schistose rocks, Haufschinsel, *Fincke* ; on primitive rocks, Wasserberg, near Windhoek, *Fincke* ; on stones, Ceres, Leslie (v. d. Byl 477).

Var. **austro-africana** (Stirt.) Stizenb.

Stizenberger (1890) 152, no. 259 ; Zahlbruckner, Cat. Lich. VI : 131.

Parmelia austro-africana Stirton (1877) 212.

on rocks, near Kimberley, *Shaw, Type* ; near Klein Vis Rivier, *MacOwan, 84*.

Var. **benguellensis** Wain.

Zahlbruckner, Cat. Lich. VI : 131.

Parmelia subconspersa Nyl. var. *benguellensis* (Welw.) Wainio (1901) 401.

on trunks of evergreen trees, in forest region of Morro de Lopollo Mts., *Welwitsch 31 pr. maj. p.* ; in high mountain region of Serra da Zella, *Welwitsch 30 pr. p.*
on rocks, Ceres, *Leslie* (v. d. Byl 454 det. Vain.) ; Makoni, *Eyles 825* (v. d. Byl 561, det. Vain.).

Var. *constrictans* (Nyl.) Müll. Arg.

J. Müller-Arg. (1883) 48 ; Zahlbruckner (1932) 253, Cat. Lich. VI : 131.

Parmelia constrictans Nyl. apud Crombie (1876 a) 168, (1876 b) 19 ; Stizenberger (1890) no. 264 ; Hue (1890) 289 ; van der Byl (1931) 13.
on ground, towards summit of Table Mt., *Eaton*, Type and *MacOwan* ; near Lydenburg, *McLea* ; Knysna, v. d. *Byl*.
on rocks, Bloukransrivier, v. d. *Byl* 662 ; near Ceres, *Leslie* (v. d. *Byl* 475, det. Vain, v. d. *Byl* 612).

Var. *endomiltodes* (Nyl.) Müll. Arg.

J. Müller-Arg. (1891) 378 ; Zahlbruckner (1932) 253, Cat. Lich. VI : 131.

Parmelia endomiltodes Nyl. apud Crombie (1876 a) 168 ; Hue (1890) 289 ; Stizenberger (1890) no. 263 ; van der Byl (1931) 13.
on rocks, Table Mt., *Eaton*, Type ; on crumbling granite rocks, Lion's Head, *MacOwan* ;
on rocks, Stellenbosch, v. d. *Byl* 973 ; Grey's Pass, Citrusdal, v. d. *Byl* 758.

Var. *eradicata* (Nyl.) Müll. Arg.

J. Müller-Arg. (1883) 48 ; Zahlbruckner, Cat. Lich. VI : 131.

Parmelia constrictans var. *eradicata* Nyl. apud Crombie (1876 a) 168, (1876 b) 19 ; Hue (1890) 289 ; Stizenberger (1890) no. 264 ; Zahlbruckner, (1926 b) 507
amongst mosses, summit of Table Mt., *Eaton*, Type ; on rocks, near Caledon, *Brunnthaler*.

Var. *hypoclista* Nyl.

Nylander (1860 a) 391 ; Crombie (1876 a) 168 ; Hue (1890) 289, (1899) 142, ;
van der Byl (1931) 13 ; Zahlbruckner (1926 b) 507, (1932) 253, Cat. Lich.
VI : 132.

on rocks and on ground, Table Mt., *Eaton* ; Caledon, *Brunnthaler* ; Kloof Neck, *Brunnthaler* ; near Swakopmund, *F. & R. Wettstein* ; Marandellas, *Eyles* 3898 (van der Byl 547, det. Vain.).

Var. *hypoclistoides* Müll. Arg.

J. Müller-Arg. (1883) 201 ; Zahlbruckner, Cat. Lich. VI : 132.

Parmelia scabrosa Taylor (1847) 162.
Cape of Good Hope (Herb. Hooker).

Var. *hypomelaena* Vain.

van der Byl (1931) 13, ? nom. nud.

on rock, Ceres, *Leslie* (v. d. *Byl* 476, det. Vain.).

Var. *incisa* (Tayl.) Zahlbr.

Zahlbruckner, Cat. Lich. VI : 132.

Parmelia incisa Taylor (1847) 162, non Fr.

Parmelia subconspersa var. *incisa* Stizenberger (1890) 153.
on Table Mt. and Lion's Head, *MacOwan*, *Wilms* ; Transvaal, *Wilms*.

Var. *lacinulata* Gyeln.

Gyelnik (1938) 272.

between Calvinia and Middelpoos, v. d. *Byl* 1108, Type.

Var. *polyphylla* Müll. Arg.

Zahlbruckner, Cat. Lich. VI : 133.

Parmelia conspersa f. *polita*, *polyphylla* Mey. & Flotow (?) as *P. conspersa* var. *polita*
Flotow in van der Byl (1931) 13.

(?) on shrubs, Robertson, *Bruwer* (v. d. *Byl* 407, det. Vain.).

? on stones, Stellenbosch, *v. d. Byl* 250 (det. Vain.), *Eyles* (*v. d. Byl* 384); Paarl, *van Velden* (*v. d. Byl* 335, det. Vain.): Riversdale, *v. d. Byl* 371 (det. Vain.).

Var. **thamnidiella** (Stirt.) Stizenb.

Zahlbruckner, *Cat. Lich.* VI : 135.

Parmelia thamnidiella Stirt. (1877) 213; Byelnik (1938) 293.

Parmelia subconspersa var. *thamnidiella* (Stirt.) Stizenberger (1890) 153, no. 265. on basalt rocks, summit of Boschberg, *MacOwan*, Type, 106; on ground, Cave Mt., Graaff Reinet, *McLea*.

Parmelia conspersula Nyl.

apud Crombie (1876 a) 168, (1876 b) 19; Hue (1890) 289, (1899) 142; Stizenberger (1890) no. 261; Zahlbruckner, *Cat. Lich.* VI : 135. on rocks, Table Mt., *Eaton*, Type.

Parmelia conturbata Müll. Arg.

J. Müller-Arg. (1888) 44; Stizenberger (1890) no. 334; Zahlbruckner (1926 b) 507, (1932) 251, *Cat. Lich.* VI : 81.

on quartzite rocks, Namaqualand, *Marloth* 6548; Great Namaqualand, *Schinz*; Lüderitzbucht, *F. & R. Wettstein*; in mountains, near Sendelingsdrift, *F. & R. Wettstein*.

Var. **exornata** Zahlbr.

Zahlbruckner (1932) 251.

on non-calcareous rocks, Steinkopf, Namaqualand, *Meyer* (*v. d. Byl* 950) Type.

Parmelia Cooperi Steiner & Zahlbr

Zahlbruckner (1926 b) 528, *Cat. Lich.* VI : 235.

Kaffraria, *Cooper*, *S. Afric. Plants* 1813, Type.

Parmelia coronata Fée var. **denudata** Wain.

Wainio (1901) 401; Zahlbruckner, *Cat. Lich.* VI : 163.

on trunks of *Apodyte dimidiata* E. Mey., in high forest, Morro de Lopollo Mts., *Welwitsch* 33, Type.

Parmelia cristifera Tayl.

van der Byl (1931) 13; Zahlbruckner, *Cat. Lich.* VI : 237.

on trunk of *Oreodoxa regia* H. B. & K., Durban, *v. d. Byl* 26 (det. A. L. Sm.).

Parmelia cuprea Pers.

apud Gaudich. (1826) 196; Zahlbruckner, *Cat. Lich.* VI : 274.

on rocks, Cape of Good Hope.

Parmelia digitulata Nyl.

Zahlbruckner, *Cat. Lich.* VI : 136, VIII : 558; Gyelnik (1931 b) 279.

Var. **esaxicola** Gyeln.

Gyelnik (1938) 276.

on ground, Wolseley, *v. d. Byl* 1144, Type.

f. **mitrovicensis** Gyeln.

Gyelnik l.c.

Bitterfontein, Namaqualand, *v. d. Byl* 1187.

Parmelia Domokosii Gyeln.

Gyelnik (1938) 277.

on stone, Laingsburg, *v. d. Byl 1091*, Type.**Parmelia Dregeana** Hampeapud Nylander (1860 a) 398 ; (1890) 291, (1899) 139 ; Stizenberger (1890) no. 340 ;
Zahlbruckner, Cat. Lich. VI : 83.on quartzite rocks, Cape of Good Hope, *Drège*, Type.**Parmelia ecaperata** Müll. Arg.J. Müller-Arg. (1891) 378 ; Wainio (1900 a) 5 ; Stizenberger (1893) no. 254*bis* ;
Zahlbruckner, Cat. Lich. VI : 136.on trunks of palms, along the Shire River, between Lake Nyassa and the Zambesi River,
Kirk.**Parmelia euneta** Stirt.

Stirton (1878) 298 ; Zahlbruckner, Cat. Lich. VI : 238.

on bark, near (?) Victoria, South Africa, *G. Thomson*.**Parmelia fissurina** Zahlbr.

Zahlbruckner (1936) 172.

on granite, between Brandvlei and Tontelboskolk, Calvinia Distr., *v.d. Byl 1136*, Type ;
near Upington, *v. d. Byl 1159*.**Parmelia fuliginosa** Nyl.Crombie (1876 a) 169 ; Stizenberger (1890) no. 335 ; Zahlbruckner, Cat. Lich.
VI : 87.on rocks, Table Mt., *Eaton* ; on crumbling granite rocks, Lion's Head, *MacOwan*.**Parmelia glabra** Nyl.

Stizenberger (1890) no. 336 ; Zahlbruckner, Cat. Lich. VI : 90.

on rocks, near Lydenburg, *McLea*.**Parmelia gracilescens** Wain., var. **angolensis** Wain.

Wainio (1901) 401 ; Zahlbruckner, Cat. Lich. VI : 168.

Parmelia angolensis Wain., van der Byl (1931) 13.on tree trunks, in high mountain region of Serra da Xella, *Welwitsch 30 pr. p.* ; Morro de
Lopollo, *Welwitsch 31 pr. p.*, Type ; on trunk of *Acacia mollissima* Willd., Woodbush,
v. d. Byl 495 (det. Vain.) ; on tree trunk Woodbush, *v. d. Byl 504, 528* (det. Vain.).
on rock, Hanover, Cape, *v. d. Merwe* (*v. d. Byl 435*, det. Vain.).**Parmelia granatensis** Nyl.

van der Byl (1931) 13 ; Zahlbruckner, Cat. Lich. VI : 168.

on tree trunk, Cango Caves, Oudtshoorn, *v. d. Byl*.**Parmelia Hildebrandtii** Krempelb.Var. **nuda** Müll. Arg.

J. Müller-Arg. (1891) 376, (1893 b) 296 ; Zahlbruckner, Cat. Lich. VI : 240.

Parmelia Hildenbrandtii f. *nuda* Stizenberger (1893) no. 294.on bark, near Boroma, *Menyharth 464, 475*.

Var. sorediosa Müll. Arg.

J. Müller-Arg. (1891) 376, (1893 b) 296 ; Zahlbruckner, Cat. Lich. VI : 240.

Parmelia Hildebrandtii f. *sorediosa* Stizenberger (1893) no. 294.
on bark, near Boroma, *Menyharth* 464 ; Zambesi region, *Kirk*.

Parmelia hottentotta Ach.

Acharius (1803) 219, (1810) 456 : Nylander (1860 a) 399, (1869 b) 321, not. ;
Lindsay (1859) 235 ; Stirton (1877) 215 ; Crombie (1876 a) 170 ; Hue (1890)
291 ; Stizenberger (1890) 165, no. 343 ; Reinke (1895) 385, f. 102 ; Glück
(1899) 171 ; Schultze (1907) 706 ; Lettau (1914) 48 ; Juel (1918) 50 ; van der
Byl (1931) 13 ; Zahlbruckner (1926 b) 539, (1936 c) Pl. 5, f. 5-6, (1932) 254,
Cat. Lich. VI : 272.

Lichen ceranoides Lamarch (1789) 487.

Lichen hottentottus Acharius (1798) 155 ; Thunberg (1800) 187, (1823) 746.

Sticta hottentotta Acharius (1814) 231 ; Delise (1822) 134 ; Drège (1843) 68, 64, 85, 92.

Sticta hottentotta var. *umbilicata* Delise (1822) 135, Tab. XV. f. 58.

Peltigera ceranoides Sprengel (1827) 304.

Omphalodium hottentottum Flotow, von Flotow (1843) 27 ; Krauss (1846) 201 ; Hue
(1900) 109 ; Minks (1900) 85.

Parmelia stictella Massalongo (1861) 52.

Inbricaria hottentottum Schwendener (1863) 159.

on rocks, rarely on trunks of trees, Cape, *Thunberg* ; Table Mt., *Eaton* ; east side of Table
Mt., *Krauss* ; top of Winterhoekberg, *Krauss* ; Uitenhage, *Krauss* ; Bokpoort, Nieuwe-
veld, *Drège* ; nr. Klaarstroom, Zwartebergen, *Drège* ; Paarlberg, *Drège* ; between
Natvoet and Garip, *Drège* ; ? Boschberg, *MacOwan* 509 (S.A.M. 46971 ; Arn. Exsicc.
1097 ; Lojka Lichenoth. univ. 64) ; Klein Vis Rivier, *MacOwan* 92, 93 ; Bazuja,
Baur (MacOwan 70 a) ; on rocks, Matjesfontein, *Brunnthaler* ; near Lydenburg,
McLea ; Steinkopf, *Meyer* (v. d. Byl 964) ; Kloof Neck, *Brunnthaler* ; near Laingsburg,
Marloth 12101 ; Clanwilliam, b. d. *Byl* 770 ; Steenbras Rivier, v. d. *Byl* 460 ; Ceres,
Leslie (v. d. Byl 461, det. Vain.) ; Stellenbosch, *de Vries* (v. d. Byl 563) ; near Cape
Cross, *Schultze* 28, 29, 53 b ; Montagu, v. *Huysteen* (Stell. 568) ; Simonsberg, *Barnard*
(S. A. M. 39220) ; Paarlberg (S.A.M. 46861).

Var. diachrosta Stirt.

Stirton (1877) 215 ; Zahlbruckner, Cat. Lich. VI : 273.

on rocks, ? Boschberg, *MacOwan*.

Var. pachythalla Nyl.

apud Hue (1890) 292 ; Zahlbruckner, Cat. Lich. VI : 273.

Parmelia pachythalla Spreng. apud Nylander (1860 a) 399.

on rocks, without locality, *Pappe* 14 (S.A.M. 46873) ; Devils Peak, *Pappe* (S.A.M. 46874) ;
on trunks of trees, without locality, *Pappe* 15 (S.A.M. 46875).

Var. phalacra Zahlbr.

Zahlbruckner, Cat. Lich. VI : 273.

Omphalodium hottentottum Flotow. var. *phalacrum* Hue (1900) 110.
on rocks, South Africa, without locality.

Parmelia hypocraea Wain.

Wainio (1901) 400 ; Zahlbruckner, Cat. Lich. VI : 169.

on bark of Leguminous tree, in dense forest, near Monino River, Huila, *Welwitsch* 32 *pr.p.*
Type.

Parmelia hypoleia Nyl.

Nylander (1860) 393, (1869 b) 293 ; Stizenberger (1890) no. 278 ; Hue (1890) 290, (1899) 143 ; Zahlbruckner, Cat. Lich. VI : 138.

Parmelia mutabilis Taylor (1847) 171, non Fries ; Lindsay (1859) 219 ; Nylander (1860 a) 387, (1869 b) 293 ; J. Müller-Arg. (1880) 200 ; Hue (1890) 288.

Parmelia phaeophana Stirt. var. *stenotera* Stirton (1877) 215.

Omphalodium mutabile Minks (1900) 86.

on rocks, Cape of Good Hope, *Wawra* ; Orange Free State, *Rehmann* ; (?) Boschberg, *MacOwan*, 94, 95 ; Uitenhage, *Zeyher* (Herb. Hook.) ; Cape, without locality, (Lichenoth. univ. 65 ; S.A.M. 46972).

Var. **crenata** Nyl.

Nylander (1860 a) 393 ; Hue (1890) 290 ; Zahlbruckner, Cat. Lich. VI : 138.

Parmelia hypoleia f. *crenata* Nyl., Stizenberger (1890) no. 278.

on rocks, Cape, *Gueinzus*.

Var. **tenuifida** Nyl.

Nylander (1860 a) 393 ; Stizenberger (1890) no. 278 ; Hue (1890) 280 ; Zahlbruckner, Cat. Lich. VI : 138.

on rocks, Cape of Good Hope, *Gueinzus*.

Parmelia hypoleioides Vain.

Vainio (1926) 1 ; van der Byl (1931) 13 ; Zahlbruckner, Cat. Lich. VIII : 560. on rock, Paarl Rock, v. *Velden* (v. d. Byl 334) Type.

Parmelia hyporysalea Vain.

Vainio (1921) 47 ; Zahlbruckner, (1926 b) 533, 534, Cat. Lich. VI : 240.

Parmelia olivetorum Nyl. var. *hyporysalea* Vainio (1901) 399.

on branches of shrubs, in high mountain region, Morro de Lopollo, *Welwitsch* 6, 27 ; on old trunks of trees in dense forest, Great Hippopotamus Lake, Invantåla, *Welwitsch* 26 on branches of trees, on rock summit of Serra da Xella Mts., *Welwitsch* 28

Parmelia imitans (Müll. Arg.) Gyeln. f. **protoimbricatoides** Gyeln.

Gyelnik (1934) 156.

Montagu Pass, *Breutel* (sub *P. conspersa* var., Herb. Bouly de Lesdain), Type.

Parmelia insignata Stizenb.

Stizenberger (1860) 162, no. 324 ; Zahlbruckner, Cat. Lich. VI : 169.

on ground, summit of Lion's Head, *MacOwan*, Type.

Parmelia interrupta Stizenb.

Stizenberger (1890) 154, no. 273 ; Zahlbruckner, Cat. Lich. VI : 140.

on rocks, near Ceres, in Warm Bokkeveld, *MacOwan*, Type.

Parmelia isidiza Nyl.

Nylander (1884) 130, (1885) 612 ; Hue (1890) 286 ; van der Byl (1931) 14 ; Zahlbruckner, Cat. Lich. VI : 170.

on branches of *Strychnos* sp., Matopos, v. d. Byl 166 (det. Vain.) ; on *Euphorbia* sp., Bot Gard., Durban, v. d. Byl 15 (det. A. L. Sm.).

Parmelia Junodii Steiner

Steiner (1907) 640 ; Zahlbruckner, Cat. Lich. VI : 170.
on bark, Mt. Mamotsuiri, *Junod 978* (Herb. Barbey Boissier).

Parmelia laevigata (J. E. Sm.) Ach.

Nylander (1869 a) 6 ; Stizenberger (1890) no. 307 ; Zahlbruckner, Cat. Lich. VI : 171.
on tree trunks, Transvaal ; Natal, *Armstrong*.

Parmelia latissima Fée

Zahlbruckner, Cat. Lich. VI : 241.
on **Acacia Karroo** Haynes, Kentani, *Pegler 1231, 97*.

Parmelia laxa (Müll. Arg.) Gyeln. f. *lacunculata* Gyeln.

Gyelnik (1934) 159.
Outeniqua, *Breutel* (sub. *P. conspersa* in Herb. Bouly de Lesdain).

Parmelia lecanoracea Müll. Arg.

J. Müller-Arg. (1888) 529 ; Stizenberger (1890) no. 319 ; Wainio (1900) 4
Zahlbruckner, Cat. Lich. VI : 173.
on rocks, near Aris Drift, Orange River, *Schenck*.

Parmelia lichinoidea Nyl.

Crombie (1876 a) 169, (1876 b) 19 ; Stizenberger (1890) no. 341 ; Hue (1890)
291 ; Zahlbruckner, Cat. Lich. VI : 95.
amongst mosses on ground, top of Table Mt., *Eaton, Type*.

Parmelia lugubris Pers.

Stizenberger (1890) no. 346 ; Zahlbruckner, Cat. Lich. VI : 243.
Table Mt., *Rehmann*.

Parmelia Macleyana Müll. Arg.

J. Müller-Arg. (1891) 376 ; Wainio (1900) 2 ; Stizenberger (1893) 292bis ; Zahl-
bruckner, Cat. Lich. VI : 243.
on bark, South Africa (Kew) ; " In Afiica meridionali capricornica ".

Parmelia majoris Wain.

Wainio (1901) 401 ; Zahlbruckner, Car. Lich. VI : 174.
on branches of trees, on rocky heights of Serra da Xella, *Welwitsch 29*.

Parmelia melancholica Steiner & Zahlbr.

Zahlbruckner (1926 b) 507, Cat. Lich. VI : 95.
on sandstone rocks, Matjesfontein, *Brunnthaler, Type*.

Parmelia molliuscula Ach.

Acharius (1810) 492 ; Nylander (1860 a) 393 ; Crombie (1876 a) 169 ; Stizenberger
(1890) no. 277 ; Juel (1918) 51 ; Zahlbruckner (1926 b) 507, Cat. Lich. VI : 71.
Parmelia conspersa var. *stenophylla* Ach., Stizenberger (1890) no. 259.
on rocks and on ground, Masterberg, near Saldanha Bay, *Drège 16* ; Cape, *Thunberg* ;
Table Mt., *Eaton* ; Klein Vis Rivier, *MacOwan, 98*.

***Parmelia molybdiza* Nyl.**

apud Crombie (1876 a) 167, (1876 b) 19 ; Stizenberger (1890) no. 306 ; Hue (1890) 284 ; Zahlbruckner (1932) 254, Cat. Lich. VI : 176.
on rocks, Table Mt., *Eaton*, Type ; Gouritz River, *v. d. Byl* 289.

***Parmelia Mougeotii* Schaer.**

Nylander (1860 a) 392, (1868) 4, (1869 a) 6 ; Massalongo (1861) 50 ; Stizenberger (1890) no. 271 ; Zahlbruckner, Cat. Lich. VI : 142.
on rocks, Cape, *Wawra* ; Durban, *Armstrong*.

Var. *dealbata* Massal.

Massalongo (1861) 50 ; Zahlbruckner, Cat. Lich. VI : 144.
on quartzite and volcanic rocks, Cape, *Wawra*.

Var. *obscurata* Müll. Arg.

Zahlbruckner, Cat. Lich. VI : 144.
Parmelia Mougeotina Nyl., Wainio (1901) 401.
on sandstone rocks, in high mountain region, Morro de Lopollo, *Welwitsch* 53, 54 *pr. p.*

***Parmelia namaënsis* Steiner & Zahlbr.**

Zahlbruckner (1926 b) 508, Cat. Lich. VI : 96.
on granite, Haifischinsel off Lüderitzbucht, *Fincke*, Type.

***Parmelia natalensis* Steiner & Zahlbr.**

Zahlbruckner (1926 b) 515, Cat. Lich. VI : 245.
on *Podocarpus* sp., van Reenen's Pass, *Brunnthaler*, Type.

***Parmelia nilgherrensis* Nyl.**

Stizenberger (1890) no. 297 ; Zahlbruckner, Cat. Lich. VI : 246.
on bark, Natal, *Rehmann*.

***Parmelia nitens* Müll. Arg.**

J. Müller-Arg. (1894) 255 ; Wainio (1900) 3, (1901) 399 ; Zahlbruckner, Cat. Lich. VI : 246.
on schistose-sandstone rocks, in high forest, Morro de Lopollo, *Welwitsch* 25.

***Parmelia oleagina* Stizenb.**

Stizenberger (1890) 163, no. 333 ; Zahlbruckner, Cat. Lich. VI : 96.
on ground, near Lydenburg, *MacLea*, Type (Herb. Rehmann).

***Parmelia olivacea* Nyl.**

Zahlbruckner, Cat. Lich. VI : 96.
? *Parmelia olivacea* Ach., Drège (1843) 86.
? Paarlberg, *Drège*.

***Parmelia olivaria* (Ach.) Th. Fr.**

Steiner (1907) 640 ; Zahlbruckner, Cat. Lich. VI : 247.
Parmelia olivetorum (Ach.) Nylander (1869 a) 6.
on bark, Stellenbosch, *Duthie* 10 ; Durban, *Armstrong*.

Parmelia omphalodes Ach. var. **panniformis** Ach.

Zahlbruckner, Cat. Lich. VI : 181.

Parmelia omphalodes var. *panniformis* Ach. f. *crinalis* Hepp., Stizenberger (1890) no. on rocks, top of Table Mt.

Parmelia Owaniana Stirton.

Stirton (1877) 213 ; Zahlbruckner, Cat. Lich. VI : 273.

Boschberg, *MacOwan*, Type.**Parmelia perfissa** Steiner & Zahlbr.

Zahlbruckner (1926 b) 519 ; Cat. Lich. VI : 183.

on red sandstone, on a hill east of Port Elizabeth, *Brunnthaler*.**Parmelia perforata** (Wulf) Ach.

Acharius (1803) 270 ; Drège (1843) 80, 85, 89, 130, 132, 146, 159 ; Nylander (1860 a) 377, (1869 a) 6 ; Crombie (1876 a) 167 ; Stirton (1877) 212 ; Stizenberger (1890) no. 280 ; Juel (1918) 50 ; Zahlbruckner, Cat. Lich. VI : 249.

Lichen perforatus Wulf, Thunberg (1800) 178, (1823) 746.*Parmotrema perforata* Massalongo (1861) 54.

on trunks of trees, Cape, *Thunberg* ; Table Mt., *Drège, Eaton* ; Klein Vis Rivier, *MacOwan* 505 (S.A.M. 46945) 99, 100 ; in hills above Maritzburg, *Rehmann* ; Durban, *Armstrong* ; amongst mosses, Bazuja, *Baur* (MacOwan 1125) ; Kentani, *Pegler* (S.A.M. 46945) ; du Toits Kloof, *Drège* ; Paarlberg, *Drège* ; Zwartkopsrivier, *Drège* ; Samteesvlakte, *Drège* ; between 'Key' and 'Basche', *Drège* ; in bush 'auf der Höhe Omblas', *Drège*.

Var. **ciliata** Nyl.

Nylander (1860 a) 377 ; Stizenberger (1890) no. 280 ; Zahlbruckner, Cat. Lich. VI : 252.

? *Parmelia perforata* f. *ciliata* Flotow, von Flotow (1843) 29 ; Krauss (1846) 201.

on granite rocks, Lion's Head, *MacOwan* ; Transvaal, *Wilms* ; ? on bark of *Gymnosporia*. Swellendam, *Krauss*.

Parmelia perisidiosa Nyl.

apud Stizenberger (1890) 153, no. 266, nom. nud. ; Hue (1890) 289, nom. nud. ;

Zahlbruckner, Cat. Lich. VI : 144.

Cape of Good Hope, *Drège*.**Parmelia perlata** (Hudson) Ach.

Nylander (1860 a) 379 ; van der Byl (1931) 14 ; Zahlbruckner, Cat. Lich. VI : 253. on dead wood, Makoni *Eyles* 823 (v. d. Byl 558) ; Matopos, *Borle* 54 a. 102 ; Kentani, *Pegler* (S.A.M. 46944) ; Uitenhage, *Pappe* 16 (S.A.M. 46876).

Var. **ciliata** Duby f. **sorediifera** Müll. Arg.

J. Müller-Arg. (1893 a) 510, (1891) 382 ; Zahlbruckner, Cat. Lich. VI : 259.

Parmelia perlata f. *sorediifera* Stizenberger (1890) 382, o. 282.on rocks, Pondoland, *Bachmann*.**Parmelia perplexa** Stizenb.

Stizenberger (1890) no. 331 ; Zahlbruckner, Cat. Lich. VI : 144.

on sandstone rocks, Warm Bokkeveld Mts., near Ceres, *MacOwan*, Type.

Parmelia perrugata Nyl.

Stizenberger (1890) no. 331 ; Zahlbruckner, Cat. Lich. VI : 102.

(?) on rocks, Brakfontein, *Ecklon* ; (identification somewhat doubtful, Stizenberger, l.c.).

Parmelia perspersa Stizenb.

Stizenberger (1890) 152, no. 262 ; Zahlbruckner, Cat. Lich. VI : 144.

on sandstone rocks, Lion's Head, *MacOwan*, Type.

Parmelia persulphurata Nyl.

Stizenberger (1890) no. 256 ; Zahlbruckner, Cat. Lich. VI : 261.

on branches of trees, between Komati and Sand Rivers, *Wilms*.

Parmelia physodes (Linn.) Ach.

Juel (1918) 50 ; Zahlbruckner, Cat. Lich. VI : 36.

Lichen physodes Linn., Thunberg (1800) 177, (1923) 744.

on bark, Cape, *Thunberg*.

Parmelia pilosa Stizenb.

Stizenberger (1890) 165, no. 342 ; Zahlbruckner, Cat. Lich. VI : 184.

on rocks, Taaiboschkranz, near Rhenoster River, Orange Free State, *Rehmann*, Type.

Parmelia pilosella Hue

Steiner (1907) 641 ; Zahlbruckner, Cat. Lich. VI : 184.

on bark, Mt. Mamotsuiri, *Junod 979 pr. p.*, *985 pr. p.*

Parmelia proboscidea Tayl.

van der Byl (1931) 14 ; Zahlbruckner, Cat. Lich. VI : 262.

on rock, Marandellas, *Eyles 3882* (v. d. Byl 551, det. Vain.) ; Garcia's Pass, *J. Muir 3767*, 1395.

Var. **sorediifera** Müll. Arg.

Steiner (1907) 641 ; Zahlbruckner, Cat. Lich. VI : 263.

on bark, Mt. Mamotsuiri, *Junod 976*, *979 pr. p.*, *984 pr. p.*

Parmelia prolixa (Ach.) Röhl.

Stizenberger (1890) no. 330 ; Zahlbruckner, Cat. Lich. VI : 103.

on rocks, Cape, *Ecklon*.

f. **dendritica** Nyl.

Nylander (1868) 4 ; Wainio (1901) 402 ; Stizenberger (1890) no. 330 ; Zahlbruckner, Cat. Lich. VI : 105.

on quartzite rocks, on high tableland between Caraca and Cazimba, *Welwitsch 48. 49.*

Var. **applicata** Stizenb.

Stizenberger (1890) 163, no. 330 ; Zahlbruckner, Cat. Lich. VI : 106.

on sandstone rocks, in mountains, around Cape Town, *MacOwan*, Type.

Parmelia prolixula Nyl.

apud Crombie (1876 a) 169, (1876 b) 19 ; Stizenberger (1890) no. 338 ; Hue (1890) 291 ; van der Byl (1931) 14 ; Zahlbruckner, Cat. Lich. VI : 107.
on rocks, Table Mt., *Eaton*, Type ; Ceres, *Leslie* (v. d. Byl 467, 472, det. Vain.).

Parmelia pseudoconspersa Gyeln.

Gyelnik (1934) 162.
Montagu Pass, *Breutel* (Herb. Bouly de Lesdain, sub *Parmelia*, *Imbricaria conspersa* var. *degenerante isidiofera*).

Parmelia quercina Wain.

Zahlbruckner, Cat. Lich. VI : 186.
Parmelia tiliacea Ach., Nylander (1869 a) 6 ; Stizenberger (1890 & 1895) no. 301.
on bark, Durban, *Armstrong*.

f. *cupiseda* Vain.

van der Byl (1931) 14, ? nom. nud.
on rock, Caledon, v. d. Byl 366, 368 (det. Vain.).

Var. *rimulosa* Zahlbr.

Zahlbruckner, Cat. Lich. VI : 191.
Parmelia tiliacea var. *rimulosa* Müll. Arg., J. Müller-Arg. (1893) 296 ; Schinz (1905) 393.
near Boroma, *Menyharth* 458.

Parmelia resupina Stirton

Stirton (1878) 298 ; Zahlbruckner, Cat. Lich. VI : 264.
on branches, near Knysna, *J. B. Knobel*, Type.

Parmelia reterimulosa Steiner & Zahlbr.

Zahlbruckner (1926 b) 520, Cat. Lich. VI : 192.
on rocks, van Reenen's Pass, *Brunnthaler*, Type.

Parmelia reticulata Tayl.

Zahlbruckner, Cat. Lich. VI : 192.
Parmelia cetrata Ach. f. *sorediifera* Wain., J. Müller-Arg. (1893 a) 510. Stizenberger (1895) no. 280.
on tree trunks, Pondoland, *Bachmann*.

Parmelia revoluta Floerke.

Stirton (1877) 212 ; Stizenberger (1890) no. 302 ; Zahlbruckner, Cat. Lich. VI : 193.
Parmelia tiliacea var. *revoluta* Krempelh., Nylander (1869 a) 6.
on bark, Durban, *Armstrong* ; (?) Cape, *MacOwan*.

Parmelia rudecta Ach.

Stizenberger (1890) 161, no. 321 ; Hue (1890) 286, (1899) 152 ; Zahlbruckner, Cat. Lich. VI : 197.
Parmelia laceratula Nyl. f. *phricoides* Stirton (1877) 213.

on bark, Cape, *Drège, Breutel, Rehmann*; Natal, *Rehmann*; on trunks of trees, Boschberg *MacOwan & Tuck* (MacOwan 500) 105, and *MacOwan*, 96; on ground, Devils Peak, *Pappe 17* (S.A.M. 46882).

var. *microphyllina* Nyl.

Zahlbruckner, (1926 b) 522, Cat. Lich. VI : 198.
on schistose rocks, Wasserberg near Windhoek, *Fincke*.

Parmelia saxatilis (Linn.) Ach.

Drège (1843) 80; Nylander (1860 a) 388, (1869 a) 6; Stizenberger (1890) no. 325; Zahlbruckner, Cat. Lich. VI : 198.
on bark and on rocks, du Toits Kloof, *Drège*; Durban, *Armstrong*; Paarl, *Pappe* (S.A.M. 46877).

Parmelia saxeti Stizenb.

Stizenberger (1890) 153, no. 268; Zahlbruckner, Cat. Lich. VI : 146.
on basalt rocks, Lebombo Mts., *Wilms*, Type.

Parmelia Schenckiana Müll. Arg.

J. Müller-Arg. (1888) 529; Stizenberger (1890) 151, no. 258; Zahlbruckner (1926 b) 509, (1932) 253, Cat. Lich. VI : 146; Gyelnik (1938) 288.

Parmelia Schenckiana f. *perfecta* Gyelnik l.c.

on quartzite rocks, near Obib, Orange River, *Schenck*, Type; Steinkopf Mt., *Meyer* (v. d. Byl 956); on rocks, Masterberg, near Saldanha Bay, *Drège 19* (Herb. Palat. Vindob.); on sandstone Matjesfontein, *Brunnthaler*; on schistose rocks, Haifischinsel Lüderitzbucht, *Fincke*; near Windhoek, *Fincke*.

f. *imperfecta* Gyeln.

Gyelnik (1938) 289.

on stone, between Brandvlei and Tontelboskook, Calvinia, v. d. Byl 1127; Sutherland Distr., v. d. Byl 1071.

Var. *chalybaeizana* Steiner & Zahlbr.

Zahlbruckner (1926 b) 510, (1932) 253, Cat. Lich. VI : 146.

on sandstone rocks, Matjesfontein, *Brunnthaler*, Type; South West Africa, *F. & R. Wettstein*; Rooidam, Calvinia, v. d. Byl 1121; between Calvinia and Middelpoos, v. d. Byl 1099; Laingsburg, v. d. Byl 1092; without locality, *de Boers* (v. d. Byl 0186).

Parmelia Schreuderiana Gyeln.

Gyelnik (1938) 270.

Parmelia Bylîi Gyelnik in Herb., non Vain.

on stone, Lokenburg, Calvinia, v. d. Byl 1197, Type; Namaqualand, v. d. Byl 1208; Piquetberg, *du Plessis* (v. d. Byl 1034); nr. Barrydale, *Steyn* (v. d. Byl 1213).

Parmelia scortea Ach.

Drège (1843) 89; Zahlbruckner, Cat. Lich. VI : 207.

Parmelia tiliacea var. *scortea* Duby, J. Müller-Arg. (1893 b) 296.
near Boroma, *Menyharth 474*; Table Mt., in damp places, *Drège*.

Parmelia sinuosa Ach.

Massalongo (1861) 50; Nylander (1869 b) 292; Stizenberger (1890) no. 311;

Zahlbruckner, Cat. Lich. VI : 211.

amongst mosses and liverworts, Cape, *Wawra*.

Parmelia soredians Nyl.

Zahlbruckner, Cat. Lich. VI: 146.
on trunk of *Pinus* sp., Klapmuts, *v. d. Byl* 130 (det. Vain.); on trunk of *Quercus* sp., Klapmuts, *v. d. Byl* 133 (det. Vain.).

Parmelia sphaerospora Nyl.

Nylander (1859) 254, (1860 a) 376; Hue (1890) 279; Stizenberger (1890) no. 253;
Zahlbruckner, Cat. Lich. VI: 147.
on bark of trees, Cape of Good Hope.

Parmelia squamans Stizenb.

Stizenberger (1890) 164, no. 339; Zahlbruckner, Cat. Lich. VI: 113.
on ground, near Lydenburg, *McLea*, Type (Herb. Rehmman).

Parmelia squamariata Nyl.

apud Crombie (1876 a) 168, (1876 b) 19; Stizenberger (1890) no. 274; Hue (1890) 290; Zahlbruckner, Cat. Lich. VI: 147.
on rocks, Table Mt., *Eaton*, Type.

f. *cinerascens* Nyl.

apud Crombie (1876 a) 169; Stizenberger (1890) no. 274; Hue (1890) 290;
Zahlbruckner, Cat. Lich. VI: 147.
on rocks, Table Mt., *Eaton*, Type.

Parmelia Standaertii Gyeln. var. *africana* Gyeln.

Gyelnik (1934) 164.
near Adelaide, *Miss Ringon*, Type (sub *P. conspersa*, ? Herb. Bouly de Lesdain 859).

Parmelia Steineri Gyeln.

Gyelnik (1938) 289.
on the ground, Wolseley, *v. d. Byl* 1141, Type.

Parmelia stenophylla (Ach.) du Rietz f. *hypomelaena* Vain.

apud Lynge (1937) 89.
on rocks, Ceres, *Leslie*, Type.

Parmelia stenophylloides (Müll. Arg.) Wain.

Zahlbruckner (1932) 253, Cat. Lich. VI: 148.
on quartz rocks, Muizenberg, *v. d. Byl* 1007.

Parmelia subaequans Nyl.

apud Crombie (1876 a) 167, (1876 b) 19; Stirton (1877) 213; Hue (1890) 287;
Stizenberger (1890) no. 323; Zahlbruckner, Cat. Lich. VI: 148.
amongst mosses, on trunks of trees, Table Mt., *Eaton*, Type, *Drège*.

Parmelia subcaperatula Nyl.

Stizenberger (1890) no. 255; Zahlbruckner, Cat. Lich. VI: 266.
on branches of trees, Krugerspost near Lydenburg, *Wilms*.

Parmelia subconspersa Nyl.

Crombie (1876 a) 168 ; Stizenberger (1890) no. 265 ; van der Byl (1931) 14 ; Gyelnik (1934) 164.

Parmelia conspersa var. *subconspersa* Steiner, Zahlbruckner (1926 b) 507 ; (1932) 253, 253, Cat. Lich. VI : 134.

on rocks, Cape, Natal, Transvaal ; Haifischinsel off Lüderitzbucht, *Fincke* ; near Windhoek, *Fincke* ; near Worcester, *Brunnthaler* ; Salisbury, *Eyles* (v. d. Byl 627) ; Waterfall, Knysna, v. d. Byl 928 ; Karata River, v. d. Byl 856 ; Bloukrans River, v. d. Byl ; Table Mt., *Eaton* ; Makoni, *Eyles* (v. d. Byl 562, det. Vain.)

f. *lobulifera* Gyeln.

Gyelnik (1938) 290.

between Bitterfontein and Garies, v. d. Byl 1178, Type.

Var. *africana* Gyeln.

Gyelnik (1934) 164.

near Adelaide, *Miss Ringon*, Type.

Parmelia subcrustacea Gyeln.

Gyelnik (1938) 291.

on stone, Jau, *de Boers* (v. d. Byl 1083), Type.

Parmelia subdecepiens Vain.

apud Lyngø (1937) 89.

on rocks, Klapmuts, v. d. Byl 125, Type.

Parmelia subflabellata Steiner.

Steiner (1907) 639 ; Zahlbruckner, Cat. Lich. VI : 266.

on ground, Stellenbosch, *Duthie* 7 (Herb. Barbey-Boissier), Type.

Parmelia sublaevigata Nyl.

Nylander (1869 a) 6, (1869 b) 292, (1885) 611 ; J. Müller-Arg. (1888) 198 ; Stizenberger (1890) no. 308 ; Hue (1890) 284, (1899) 169 ; Zahlbruckner, Cat. Lich. VI : 213.

on bark, Durban, *Armstrong*.

Parmelia subquercina Müll. Arg.

J. Müller-Arg. (1891) 377 ; Stizenberger (1893) no. 303bis ; Zahlbruckner, Cat. Lich. VI : 215.

on rocks, South Africa, *MacOwan*.

Parmelia subrudecta Nyl.

Stizenberger (1890) no. 322 ; Zahlbruckner, Cat. Lich. VI : 215.

on trunks of trees, in mountains near Krakakama, *Ecklon*, *Breutel*.

Parmelia subschenckiana Gyeln.

Gyelnik (1938) 291.

on stone, Lokenburg, Calvinia, v. d. Byl 1140, Type.

Parmelia subsinuosa Nyl.

Stizenberger (1890) no. 313 ; Zahlbruckner, Cat. Lich. VI : 215.
on mosses, near Lydenburg, *Wilms*.

Parmelia suffixa Stirt.

Stirton (1878) 299 ; Zahlbruckner, Cat. Lich. VI : 216.
on bark, near Knysna, *Knobel*, Type.

Parmelia synestia Stirt.

Stirton (1877) 214 ; Zahlbruckner, Cat. Lich. VI : 148.
on mossy rocks, Cave Mountain, Graaff Reinet, *McLea*, Type.

Parmelia terricola Steiner & Zahlbr.

Zahlbruckner (1926 b) 510, Cat. Lich. VI : 148.
on ground, on a hill near Port Elizabeth, *Brunnthaler*, Type ; Cape, without locality,
v. d. Byl 1222.

Parmelia texana Tuckerm.

Stirton (1877) 212 ; Stizenberger (1890) no. 309 ; Zahlbruckner, Cat. Lich. VI :
220.
South Africa, without locality.

Parmelia tinctorum Despr.

Stizenberger (1895) no. 300 ; Steiner (1907) 640 ; Zahlbruckner (1932) 254, Cat.
Lich. VI : 268.
Parmelia praetervisa Müll. Arg., J. Müller-Arg. (1893 b) 295 ; Schinz (1905) 393.
on bark of trees, Mt. Mamotsuiri, *Junod* 984 *pr. p.*, 979 *pr. p.*, 975 *pr. p.* ; near Boroma,
Menyharth 268 ; near Lydenburg, *Neethling* (*v. d. Byl* 1048) ; on rocks, Groot Rivier,
Knysna, *v. d. Byl* 842.

Parmelia toxodes Stirt.

Stirton (1878) 253 ; Zahlbruckner, Cat. Lich. VI : 220.
on mosses, South Africa, without locality.

Parmelia van der Bylii Zahlbr.

Zahlbruckner (1932) 252.
on non-calcareous rocks, van Rhy'n's Pass, *v. d. Byl* 760, Type.

Parmelia verruculifera Nyl.

Steiner (1907) 641 ; Zahlbruckner, Cat. Lich. VI : 119.
on rocks, Stellenbosch, *Duthie* 3.

Parmelia Worcesteri Steiner & Zahlbr.

Zahlbruckner (1926 b) 511, Cat. Lich. VI : 149.
on schistose rock, on a hill north of the town, Worcester, *Brunnthaler*, Type.

Parmelia xanthotropa Stirt.

Stirton (1878) 202 ; Zahlbruckner, Cat. Lich. VI : 149.
(?) on rocks, near Somerset East, *MacOwan*, Type.

Parmelia zambesica Müll. Arg.

J. Müller-Arg. (1893 b) 296 ; Zahlbruckner, Cat. Lich. VI : 271. Stizenberger (1895) 285 *ter* ; Schinz (1905) 393.
on bark, near Boroma, *Menyharth* 268, 269, 475.

Parmelia zollingeri Hepp.

J. Müller-Arg. (1893 b) 296 ; Zahlbruckner, Cat. Lich. VI : 271.
on bark, near Boroma, *Menyharth* 268, 269, 475.

USNEACEAE.

Alectoria chalybeiformis (Linn.) Röhl. f. *terrestris* Stizenb.

Stizenberger (1890) 149, no. 244 ; Zahlbruckner, Cat. Lich. VI : 383.
on clayey ground, Franskraal, near Smithfield, *Orpen* (S.A.M. 46939) 1.

Alectoria jubata Ach.

Zahlbruckner, Cat. Lich. VI : 389.
on bark, Smithfield, *Orpen* (S.A.M. 46938).

Cornicularia tenuissima (Linn.) Zahlbr.

Zahlbruckner, Cat. Lich. VI : 420.
Cetraria aculeata (Schreb.) Fr., Stizenberger (1890) no. 238.
on ground, Cape, *Breutel* ; Lion's Head, *MacOwan*, 73.

Dufourea physcioides Massal.

Massalongo (1861) 83 ; Zahlbruckner, Cat. Lich. VI : 370.
on branches of a tree, Cape, *Breutel*.

Ramalina angulosa Laur.

apud Th. Fries (1861) 411 ; Drège (1843) 94 ; Nylander (1870) 115 ; Hue (1890) 261 ; Stizenberger (1890) no. 169 ; van der Byl (1935 a) 6 ; Zahlbruckner, Cat. Lich. VI : 436.
Ramalina capensis var. *angulosa* Th., Fries (1861) 411.
Cape of Good Hope, *Ecklon* ; Garip, near mouth of Orange River, *Drège*.

Ramalina arabum (Ach.) Mey. & Flotow

Nylander (1870) 113 ; Hue (1890) 261 ; Stizenberger (1890) no. 166 ; van der Byl (1935 a) 5 ; Zahlbruckner, Cat. Lich. VI : 438.
on tree trunks and rocks, Cape of Good Hope.

Ramalina arbuscula Stizenb.

Stizenberger (1890) 141, no. 202 ; van der Byl (1935 a) 6 ; Zahlbruckner, Cat. Lich. VI : 438.
on rocks, Muizenberg, *MacOwan*.

Ramalina Bourgeana Nyl.

Zahlbruckner, Cat. Lich. VI : 441.
Ramalina Webbia Mont. var. *capensis* Massalongo (1861) 46.
on rocks, Cape of Good Hope, *Wawra*.

Ramalina calicaris (Linn.) Röhl.

Nylander (1869 a) 6 ; Stizenberger (1890) no. 177 ; van der Byl (1931) 14, (1935 a) 11 ; Zahlbruckner, (1932) 254, Cat. Lich. VI : 442.
on branches, Durban, *Armstrong* ; Brenton, Knysna, v. d. *Byl* 687 ; Umtali, *Eyles* 1727 (v. d. *Byl* 555) 134 ; on branches of *Canthium* sp., Knysna, v. d. *Byl*.

Ramalina complanata (Sw.) Ach.

Drège (1843) 85, 94, 95, 108, 132 ; Stizenberger (1890) no. 175 ; J. Müller-Arg. (1893 b) 295 ; Schinz (1905) 393 ; van der Byl (1935 a) 8 ; Zahlbruckner (1932) 254, Cat. Lich. VI : 542.
on branches, Transvaal, *Wilms* ; Cape, *Ecklon*, *Rehmann* ; near Boroma, *Menyharth* 464 ; Kaaimansrivier, v. d. *Byl* 851 ; The Heads, Knysa, v. d. *Byl* 910 pr. p. ; Paarlberg, *Drège* ; Garip, near mouth of Orange River, *Drège* ; on dry stony hills, Ebenezer, *Drège* ; Samteesvlakte, *Drège*.

Ramalina cuspidata (Ach.) Nyl.

Nylander (1870) 158 ; Crombie (1876 a) 167 ; Stizenberger (1890) no. 201 van der Byl (1935 a) 9 ; Zahlbruckner, Cat. Lich. VI : 455.
on rocks, Table Mt., *Eaton*.

f. **implexa** Oliv.

Zahlbruckner, Cat. Lich. VI : 456.
Ramalina scopulorum Ach. var. *implexa* Nylander (1860 a) 293.
? as *Ramalina implexa* Laur., Stizenberger (1890) no. 181.
on maritime rocks, Cape of Good Hope, ? *Drège*.

Ramalia dendriscoides Nyl.

Wainio (1901) 397 ; Zahlbruckner, Cat. Lich. VI : 459.
on calcareous rocks, on sea shore near Saco de Giraul, Mossamedes, *Welwitsch* 24.

Ramalina denticulata (Eschw.) Nyl.

Stizenberger (1890) no. 174 ; van der Byl (1935 a) 8 ; Zahlbruckner, Cat. Lich. VI : 459.
on bark, Table Mt., *MacOwan*.

Ramalina Duriaei Jatta

Zahlbruckner, Cat. Lich. VI : 462.
Ramalina evernoides Nyl., Stizenberger (1890) no. 193 ; van der Byl (1935 a) 7.
on trunks, near Lydenburg, *Wilms*.

Ramalina Euphorbiae Wain.

Wainio (1901) 398 ; Zahlbruckner, Cat. Lich. VI : 463.
on fleshy stems of *Euphorbia decumbens* Welw., on coastal hills near Mossamedes, *Welwitsch* 23.

Ramalina farinacea (Linn.) Ach.

Drège (1843) 132 ; Stizenberger (1890) no. 178 ; van der Byl (1935 a) 7 ; Zahlbruckner, Cat. Lich. VI : 464.
on tree trunks, South Africa, *Baur*, *Wilms* ; eastern Cape, *Rand* (v. d. *Byl*) ; Samteesvlakte, near Enon, *Drège*.

Var. squarrosa Müll. Arg.

Stizenberger (1890) no. 178 ; van der Byl (1935 a) 7 ; Zahlbruckner, Cat. Lich. VI : 472

on bark, Transvaal, *Wilms*.

Ramalina fastigiata Ach.

van der Byl (1935 a) 11 ; Zahlbruckner, Cat. Lich. VI : 472.

Lichen fastigiatus Pers., Thunberg (1800) 179, (1823) 747.

Parmelia fastigiata Ach., van der Byl (1931) 13.

Ramalina fraxinea Ach. var. *fastigiata* Fr., Juel (1918) 49.

on branches of trees, Cape, *Thunberg* ; Kentani, *Pegler* (S.A.M. 46946) ; Humansdorp, *Woodcock* (S.A.M. 46931) ; Umtali, *Eyles 4293* (v. d. Byl 572, det. A. L. Sm.).

Ramalina fraxinea (Linn.) Ach.

Acharius (1810) 602, (1814) 296 ; Stizenberger (1890) no. 183 ; van der Byl (1935 a) 11 ; Zahlbruckner, Cat. Lich. VI : 478.

Lichen fraxineus Linn., Thunberg (1800) 179, (1823) 747.

Parmelia fraxinea Acharius (1803) 258.

on branches, Cape, *Thunberg*, *Wawra*.

Ramalina geniculata Hook. f. & Tayl.

van der Byl (1931) 14, (1935 a) 4 ; Zahlbruckner, Cat. Lich. VI : 490.

on trunk of *Acacia mollissima* Willd., Woodbush, v. d. *Byl 512* (det. Vain.) ; on trunk of *Ocotea bullata* E. Mey., Knysna, v. d. *Byl 261* (det. Vain.) ; on trunk of tree undet., Onrust, *van der Riet* (v. d. Byl 324, det. Vain.).

Var. olivacea Müll. Arg.

Zahlbruckner (1932) 255, Cat. Lich. VI : 490.

? as *Ramalina geniculata* f. *tenuis* Hue, van der Byl (1935 a) 4.

on bark of *Rhus glauca* Desf., Platbos near Stilbaai, *Muir* (v. d. Byl 965).

Ramalina gracilis (Pers.) Nyl.

Nylander (1860 a) 296 ; van der Byl (1931) 14, (1935 a) Zahlbruckner (1932) 254, Cat. Lich. VI : 490.

on branches of *Canthium* sp., Brenton, Knysna, v. d. *Byl 691* ; on branches of tree undet., The Heads, Knysna, v. d. *Byl 910 pr. p.*

Ramalina intermedia Del.

Stizenberger (1890) no. 207 ; van der Byl (1935 a) 5 ; Zahlbruckner, Cat. Lich. VI : 493.

? on branches of trees, Cape of Good Hope : rather doubtful record, Stizenb. l.c.

Ramalina lanceolata Nyl.

Stizenberger (1890) no. 187 ; van der Byl (1935 a) 13 ; Zahlbruckner, Cat. Lich. VI : 495.

? as *Ramalina yemensis* var. *lanceolata* Nyl., van der Byl (1931) 14.

on branches of trees, South Africa, without locality, *Drège*, *Breutel*, *Wilms* ; on *Quercus* sp., Klapmuts, v. d. *Byl 142*.

Ramalina linearis Ach.

von Flotow (1843) 26 ; Krauss (1846) 202 ; Zahlbruckner, Cat. Lich. VI : 497.

on trees, Swellendam, *Krauss*.

Ramalina melanothrix Laur.

apud Nylander (1860 a) 290, (1870) 110 ; Drège (1843) 94 ; Stizenberger, (1890) no. 162 ; Hue (1890) 261 ; van der Byl (1935 a) 5 ; Zahlbruckner, Cat. Lich. VI : 499.

Ramalina capensis var. *melanothrix* Th. Fries (1861) 411.

Cape of Good Hope, *Schenck* ; Garip, near mouth of the Orange River, *Drège*.

Ramalina pollinaria Ach.

Drège (1843) 94, 109 ; Zahlbruckner, Cat. Lich. VI : 502.

on dry stony hills, Garip, near mouth of the Orange River, *Drège* ; Ebenezar, *Drège*.

f. *cariosa* Laur.

apud Nylander (1870) 150 ; Hue (1890) 266 ; Stizenberger (1890) no. 190 ; van der Byl (1935 a) 7 ; Zahlbruckner, Cat. Lich. VI : 505.

Cape of Good Hope.

Ramalina pusilla Le Prév.

Stizenberger (1890) no. 204, van der Byl (1931) 14, (1935 a) 4 ; Zahlbruckner, Cat. Lich. VI : 512.

on branches of trees, South Africa, without locality, *Drège*, *Wawra*, *Rehmann*, *Wilms*, *Breutel*, *MacOwan* ; on tree trunk, Zululand, *Harris* (v. d. Byl (232) ; on *Acacia molissima* Willd., Howick, v. d. Byl 206 (det. Vain.).

Ramalina scopulorum Ach.

Drège (1843) 88 ; Nylander (1860 a) 292 ; Zahlbruckner, Cat. Lich. VI : 515. on maritime rocks, Cape of Good Hope ; in krantzies, Table Mt., *Drège*.

Var. *cornuta* Ach.

Zahlbruckner, Cat. Lich. VI : 518.

Parmelia capensis Acharius (1803) 269.

Parmelia scopulorum f. *cornuata* Ach., Stizenberger (1890) no. 197 ; van der Byl (1935 a) 10.

Cape of Good Hope, *Drège* ; Löwenberg, *Pappe* 8 (S.A. M. 46866).

Var. *humilis* Schaer.

Massalongo (1861) 46 ; Zahlbruckner, Cat. Lich. VI : 518.

on rocks, amongst mosses, Cape of Good Hope, *Wawra*.

Ramalina subfraxinea Nyl.

Nylander (1870) 139 ; Stizenberger (1890) no. 185 ; van der Byl (1935 a) 9 ;

Zahlbruckner, Cat. Lich. VI : 523.

on rocks, near Muizenberg, *MacOwan* ; near Lydenburg, *Wilms*.

Ramalina Usnea (Linn.) Howe jr.

Zahlbruckner, Cat. Lich. VI : 526.

Lichen Usnea Linn., Thunberg (1800) 179, (1823) 748.

Alectoria usneoides Ach., Drège (1843) 133.

Ramalina usneoides Mont., Juel (1918) 51.

on trees in woods, Cape, *Thunberg* ; Enon, *Drège* ; Enon, *Pappe* (S.A. M. 47013).

Var. *capensis* (Nyl.) Zahlbr.

van der Byl (1935 a) 10 ; Zahlbruckner, Cat. Lich. VI : 527.

Ramalina usneoides Mont. var. *capensis* Nylander (1870) 123 ; Hue (1890) 262 ; Stizenberger (1890) no. 173.
on branches of trees, Cape of Good Hope, *Drège* ; Gouritz Rivier, *Breutel*.

Var. *contorta* (Flotow) Zahlbr.

van der Byl (1935 a) 10 ; Zahlbruckner, Cat. Lich. VI : 527.

Ramalina usneoides var. *contorta* Flotow apud Stizenberger (1890) 136, no. 173.
on branches of trees, Gouritz Rivier, *Breutel* ; Insiza, *Eyles 2767* (S.A.M. 26545).

Ramalina yemensis (Ach.) Nyl.

Nylander (1870) 144 ; Crombie (1876 a) 167 ; Stirton (1877) 212 ; Stizenberger (1890) no. 186 ; Steiner (1907) 638 ; van der Byl (1931) 14, (1935 a) 12 ; Zahlbruckner (1926 b) 540, Cat. Lich. VI : 528.

on trunks and branches of trees, Table Mt., *Eaton, Brunnthaler* ; Stellenbosch, *Duthie 1 pr. p.* ; Hottentot's Holland, *MacOwan* (Lichenoth, univ. 57 ; S.A.M. 47016) ; Piquetberg, v. d. *Byl* ; Kentani, *Pegler* (S.A.M. 46947, 46948) ; Paarl, *Cuff* (v. d. *Byl* 440, 441, det. Vain.) ; Umtali, *Eyles 4243, 4290* (v. d. *Byl* 568, 569, det. A. L. Sm.) ; Blue Lilies Bush, Humansdorp, *Woodcock* (S.A.M. 46932) ; on *Acacia mollissima* Willd., Howick, v. d. *Byl* ; Woodbush, v. d. *Byl* 496, 511, (det. Vain.) ; on *Podocarpus* sp., van Reenen's Pass, *Brunnthaler* ; on *Quercus* sp., Genadendal, near Caledon, *Brunnthaler* ; Ceres, *Leslie* (v. d. *Byl* 456, det. Vain.) ; Klapmuts, v. d. *Byl 81* (det. Merrill).

f. *fenestralis* Stizenb.

Stizenberger (1890) 139, no. 186 ; van der Byl (1935 a) 12 ; Zahlbruckner, Cat. Lich. VI : 528.

on bark, Lion's Head, *MacOwan*.

f. *sublinearis* Nyl.

Nylander (1870) 144 ; van der Byl (1931) 14, (1935 a) 12 ; Zahlbruckner, Cat. Lich. VI : 528.

on *Gymnosporia buxifolia* Szysz., Eteza, Zululand, v. d. *Byl 124*.

Var *Ecklonii* (Spreng.) Wain.

van der Byl (1935a) 12 ; Zahlbruckner, Cat. Lich. VI : 528.

Ramalina Ecklonii Mey. & Flotow (1843) 26 ; Krauss (1846) 202

Ramalina calicaris f. *Ecklonii* Nylander (1860 a) 295, (1868) 51, (1869 a) 6.

on trees, Boschberg, *MacOwan* (S.A.M. 46979, 46980) ; Noordhoek, Cape Peninsula, *Barnard* (S.A.M. 46924) ; Durban, *Armstrong* ; on rocks, Steenberg, *Krauss* ; on bark, near Swellendam, *Krauss*.

Var. *membranacea* (Laur.) Nyl.

Stizenberger (1890) no. 186 ; van der Byl (1931) 14, (1935 a) 13 ; Zahlbruckner (1932) 255, Cat. Lich. VI : 529.

Ramalina membranacea Laur., von Flotow (1843) 26 ; Krauss (1846) 201.

on branches, Karkloof, *Rehmann* ; in trunk of *Acacia mollissima* Willd., Howick, v. d. *Byl 205* (det. Vain.) ; Swellendam, *Krauss* ; on branches of *Canthium* sp., Brenton, Knysna, v. d. *Byl 693*.

Var. *tenuissima* (Mey. & Flotow) Zahlbr.

Zahlbruckner, Cat. Lich. VI : 529.

as *Ramalina yemensis* f. *tenuissima* Müll. Arg., van der Byl (1931) 14, (1935 a) 13.
on bark, The Wilderness, v. d. *Byl 289*.

Siphula ceratites (Sommerf.) Fr.

Zahlbruckner (1932) 255, Cat. Lich. VI : 613.
on rocks, Ceres, *Leslie* (v. d. Byl 615).

Siphula decumbens Nyl.

van der Byl (1931) 14 ; Zahlbruckner, Cat. Lich. VI : 614.
amongst moss, Table Mt., *Eyles* (v. d. Byl 401, det. Vain.).

Siphula Dregei (? author)

Drège (1843) 84 ; ? nom. nud., not mentioned in Zahlbruckner, Cat. Lich.
in the kranz near the waterfall, Simonsberg, *Drège*.

Siphula incrustans Vain.

Vainio (1926) 33 ; van der Byl (1931) 14 ; Zahlbruckner, Cat. Lich. VIII : 581.
on rock, Stellenbosch, v. d. *Byl* 349.

Siphula minor Vain.

van der Byl (1931) 14, ? nom. nud.
on rock, Ceres, *Leslie* (v. d. Byl 449, det. Vain.).

Siphula tabularis (Thunb.) Nyl.

Nylander (1857) 98, (1860 a) 263 ; Massalongo (1861) 74 ; Crombie (1876 a)
166 ; Müller-Arg. (1888) 130 ; Hue (1890) 244 ; Stizenberger (1890) no. 95 ;
van der Byl (1931) 14 ; Garside (1929) 60 ; Zahlbruckner, Cat. Lich. VI : 617.

Lichen verrucosus Linn. f. (1781) 451 ("Thunb." non Linn.) ; Lamarck (1789) 505.

Lichen verruciger Gmelin (1791) 1377.

Lichen tabularis Thunberg apud Acharius (1798) 90 ; Thunberg (1800) 176, (1823) 743.

Isidium tabulare Acharius (1798) 90 ; Thunberg, l.c.

Stereocaulon tabulare Acharius (1803) 316, (1810) 583, (1814) 286 ; Sprengel (1827)
275 ; Drège (1843) 82 ; Juel (1918) 51.

Dufourea plumbea Taylor (1847) 184.

on stones, top of Table Mt., side facing town, *Thunberg* ; on stones, often wet with streams,
top of Table Mt., *Ecklon*, *Zeyher*, *Jelinek*, *Pappe* 19 (S.A.M. 46883) ; on ground,
near top of Table Mt., *Eaton*, du Toits Kloof, *Drège* ; Bushman's country, *Zeyher*
(Herb. Hook.) ; on sandstone, Ceres, v. d. *Byl* ; on rocks in stream beds, Farmer Pecks
Valley, Muizenberg, *Garside* ; summit of Table Mt., *Pillans* 4211 ; saddle between
Devil's Peak and Table Mt., *Pillans* 3252 ; head of Kasteel's Poort, Table Mt., *Pillans*
3550 ; between Wynberg upper reservoir and Disa Gorge, *Pillans* 3969 ; middle part
of Silvermine Valley, *Pillans* 3831 ; plateau in the Muizenberg, *Pillans* 3168 ; west of
Paulsberg, *Pillans* ; summit of Noordhoek Mts., *Pillans* ; Diepgat Kloof, above
Somerset West, *Pillans* 4842 ; near waterfall on Swartberg, near Swellendam, *MacOwan*.

Siphula torulosa Nyl.

Nylander (1857) 98, (1859) 236, (1860 a) 263 ; Stizenberger (1890) no. 96 ; Hue
(1890) 244, (1899) 30.

Lichen torulosus Thunberg apud Acharius (1798) 100 ; Thunberg (1800) 177, (1823) 743.

Parmelia tortuosa Acharius (1803) 184 ; Juel (1918) 51.

Stereocaulon pulvinatum Acharius (1810) 584, (1814) 286 ; Drège (1843) 82, 85, 116.
on rocks in mountain, Cape of Good Hope, *Thunberg* ; du Toits Kloof, *Drège* ; Paarlberg,
Drège ; Gnadenthall, *Drège*.

Usnea acanthera Vain.

apud Motyka (1937) 358.

Crocodile River, Bechuanaland, *Klingsberg* (Stockholm).**Usnea aequatoriana** Motyka.

Motyka (1937) 476.

in forest, Karkloof, *Rehmann*.**Usnea africana** Motyka

Motyka (1937) 398.

near Lydenburg, *Wilms* (Lojka Lichenoth. Univ. 58).**Usnea amplissima** Stirt.

Stirton (1881) 106 ; Motyka (1937) 377 ; Zahlbruckner, Cat. Lich. VI : 534.

Usnea arthroclada Fée subsp., *arthrocladodes* Wainio (1901) 397 ; Zahlbruckner, Cat. Lich. VI : 537.on trees, near Somerset East, *MacOwan*, Type ; near Koningkroon, Elliot Distr., *Hfeg* ; near Enon, *Drège* ; Baziya, *Baur* ; Kaffraria, *Cooper* ; Gouritz Rivier, *Breutel* ; in indigenous forest, near Woodbush, *Rehmann* ; Chimanimani Mts., Melsetter Dist., *Swynnerton*.**Usnea articulata** (Linn.) Hoffm.

Stizenberger (1890 & 1895) no. 228 ; Stirton (1877) 212 ; J. Müller-Arg. (1893 a) 509 ; Steiner (1907) 638 ; Zahlbruckner, Cat. Lich. VI : 537.

Lichen divaricatus Thunberg (1800) 180, (1823) 750.*Usnea barbata* var. *articulata* Ach., Nylander (1869 a) 6 ; Juel (1918) 49.on branches of trees, Cape, *Thunberg*, *Masson* ; Pondoland, *Bachmann* ; Mt. Mamotsuiri, *Junod 990 pr. p.*, Durban, *Armstrong* ; on rocks, top of Table Mt., *MacOwan* (Herb. Kalchbr.).Motyka (1936) states that this species occurs only in Europe and the Mediterranean region ; *Usnea praelonga* Stirt. and *U. flexilis* Stirt. are the only two species of his section *Articulatae* said to occur in South Africa ; several other species are known in tropical Africa.f. *minor* Krempelh.

Steiner (1907) 638 ; Zahlbruckner, Cat. Lich. VI : 540.

on bark, Stellenbosch, *Duthie 1 pr. p.***Usnea australis** Fr.

von Flotow (1843) 27 ; Krauss (1846) 202 ; Zahlbruckner, Cat. Lich. VI : 541.

(?) *Usnea barbata* var. *australis* Müll. Arg., J. Müller-Arg. (1893 a) 509.*Usnea barbata* var. *florida* f. *australis* Wainio (1901) 396.(?) *Usnea florida* var. *australis* Stizenberger (1895) no. 222.on branches of trees, Pondoland, *Bachmann* ; summit of Serra da Xella Mts., *Welwitsch 21 pr. p.*, on old trees, near Constantia, *Krauss*.According to Motyka (1937) 536, *U. australis* occurs in Hawaii and possibly in southern California ; European specimens and those from other localities recorded by Wainio do not seem to belong here.**Usnea capensis** Motyka

Motyka (1937) 321.

Taaiboschkrantz, *Rehmann* ; Woodbush, *Rehmann* ; on rocks, Kaapsche Hoop, *Hfeg*.

Usnea cartilaginea Laur.

Motyka (1937) 493.

Table Mt., *Drège*; on *Acacia* sp., about 6 mis. west of Heidelberg, Cape, *Hφeg*; Heidelberg commonage, *Hφeg*; on rocks, valley of Bloukrantz Riv., *Hφeg*; on sandstone rocks, Dordrecht Distr., *Hφeg*; on branches of indigenous trees, 'The Aloes', Kirstenbosch, *Garside*; near Karkloof *Rehmann*; near Lydenburg, *Wilms*; in indigenous forest above Woodbush village, *Rehmann*; on trees near river, Harrismith, *Hφeg*.

Usnea comosa (Ach.) Röhl.

Motyka (1936) 264.

Usnea barbata (Linn.) Ach.* *Usnea florida* var. *comosa* Wainio (1901) 396.

Usnea florida var. *comosa* Biroli, Steiner (1907) 637; Zahlbruckner, Cat. Lich. VI: 571.

on tree trunks, Mt. Mamotsuri, *Junod* 988; summit of Serra da Xella Mts., *Welwitsch* 21 pr. p.; Woodbush, v. d. *Byl* 505 (det. Vain.).

Motyka, l.c., says that *U. comosa* occurs mostly on Piceae in northern and subalpine regions of Europe; it is known in North America, but not in the southern hemisphere.

Usnea contorta Jatta

Motyka (1937) 414; Zahlbruckner, Cat. Lich. VI: 549.

on trees near Grahamstown, *Hφeg*; Gouritz Rivier, *Breutel*.

Usnea cornuta Körb.

Stizenberger (1890) no. 231; Zahlbruckner, Cat. Lich. VI: 549.

on trunks of trees, Orange Free State, *Rehmann*

Usnea dasypoga (Ach.) Röhl.

Stizenberger (1890) no. 225; Zahlbruckner, Cat. Lich. VI: 550, VIII: 578;

Motyka (1936) 193.

(?) *Lichen barbatus* Linn., Thunberg (1800) 180, (1823) 750.

(?) as *Usnea barbata* (Linn.) Fr., Juel (1918) 49.

Cape of Good Hope, *Rehmann*, (?) *Thunberg*.

Motyka, l.c., states that *U. dasypoga* is widely distributed in the mountains of Europe, usually densely clothing branches of Piceae, less frequently in other trees. There is one record of its occurrence in California, but none in the southern hemisphere. No South African collection is assigned by him to this species or its varieties.

Usnea dasypogoides Nyl.

Stizenberger (1890) no. 226; Motyka (1937) 464.

Usnea dasypoga var. *plicata* Cromb. f. *dasypogoides* Hue, Zahlbruckner, Cat. Lich. VI: 561.

on branches, Table Mt., *Wilms*.

Motyka, l.c., does not record this species from Africa.

Usnea delicata Vain.

Vainio (1926) 1; van der Byl (1931) 4; Motyka (1937) 435; Zahlbruckner, Cat. Lich. VIII: 578.

on tree trunk, Onrust, v. d. *Byl* 128, Type; Table Mt., *Rehmann*, *Wilms*; on shrubs, Witsand, Wynberg, *Hφeg*; near Grahamstown, *Britten*, (*Hφeg*); on Eucalyptus sp. near Town Bush, *Hφeg*; Mquatsheni, near Burnera, *Hφeg*; Karkloof, *Rehmann*; on trees, near Lydenburg, *Wilms*; on *Acacia*, ca. 6 mis. from Heidelberg, Cape, *Hφeg*.

Usnea densirostra Tayl.

Steiner (1907) 638 ; Zahlbruckner, Cat. Lich. VI : 563 ; Motyka (1937) 316.

Usnea ceratina Ach., Stirton (1877) 212 ; Stizenberger (1890) no. 230 ; Zahlbruckner, Cat. Lich. VI : 544.

Usnea barbata f. *ceratina* Ach., Nylander (1869 a) 6.

on rocks, Mt. Mamotsuiri, *Junod* 989 ; without locality, *Ecklon. Zeyher, Wilms, Rehmann ; Durban, Armstrong.*

According to Motyka, l.c., this a South American species ; it has often been confused with *U. pulvinata*.

Usnea diffracta Vain.

Motyka (1937) 389 ; Zahlbruckner, Cat. Lich. VI : 563.

Usnea dasypoga var. *plicata* f. *annulata* Hue, Steiner (1907) 638.

on bark, Mt. Mamotsuiri, *Junod* 990 *pr. p.*

According to Motyka, l.c., this lichen is frequent in Japan, Korea and Formosa ; it is not known elsewhere.

Usnea distensa Stirt.

Stirton (1882) 104 ; Motyka (1937) 376 ; Zahlbruckner, Cat. Lich. VI : 563, Diamond Fields, near Kimberley, *Shaw*, Type : Enon, *Drège* ; near Koningskroon, Elliott Distr., *Høeg* ; on trees, Heidelberg, Cape, *Høeg* ; near Krüis Rivier, north of Heidelberg *Høeg* ; on *Acacia* sp., near Heidelberg, *Høeg* ; on *Quercus Robur* Linn., Blauwkrantz, Knysna, *Høeg* ; (?) Grahamstown, *Høeg* ; in indigenous forest, near Woodbush, *Rehmann* ; Kaffraria, *Cooper* ; on trees, Zimbabwe, *Høeg* ; Chirinda Forest, *Swynerton*.

Usnea flaccida (Müll. Arg.) Motyka

Motyka (1937) 475.

Usnea angulata var. *flaccida* Müll. Arg., J. Müller-Arg. (1890) 337 ; Zahlbruckner Cat. Lich. VI : 535 (excl. synonymy).

on hills above Maritzburg, *Rehmann*.

Usnea flexilis Stirt.

Stirton (1881) 106 ; Motyka (1936) 126 ; Zahlbruckner, Cat. Lich. VI : 564.

in bush, Karkloof, *Rehmann* ; Drakensberg, *Rehmann* ; in hills near Maritzburg, *Rehmann* ; "Diamond Fields", *Shaw*.

Usnea florida Wigg.

Drège (1843) 85, 89, 95, 132, 138 ; Crombie (1876 a) 166 ; Stizenberger (1890) no. 222 ; Zahlbruckner, Cat. Lich. VI : 564 ; Motyka (1936) 242.

Usnea barbata f. *florida* (L) Fr., Nylander (1869 a) 6.

on tree trunks and branches and on rocks, South Africa, without locality ; *MacOwan* 801 (Herb. Kalchbr) ; on rocks, Table Mt., *Eaton, Drège* ; Durban, *Armstrong* ; Paarlberg, *Drège* ; Uitkomst, *Drège* ; Devils Peak (S.A.M. 46859) ; Uitenhage (S.A.M. 46860) ; Samteesvlakte, *Drège* ; near Klein and Groot Vischrivier, *Drège*.

Motyka, l.c., states that *U. florida* is frequent in central and north-west Europe ; a few specimens have been seen from North America, none from the southern hemisphere.

Var. **asperrima** Müll. Arg.

Stizenberger (1895) no. 222.

on branches of trees, Natal.

Var. scabrosa Wain.

Zahlbruckner, Cat. Lich. VI : 572.

Usnea barbata var. *scabrosa* (Ach.) Müll. Arg., J. Müller-Arg. (1893 a) 509.*Usnea ceratina* var. *scabrosa* Ach., Stizenberger (1895) no. 230.
on branches, Pondoland, *Bachmann*.**Usnea Flotowii** Zahlbr. var. *subhispidula* Zahlbr.

Zahlbruckner (1926 b) 541, Cat. Lich. VI : 575.

on bark, Skeleton Ravine, Table Mt., *Brunnthaler*.**Usnea fusca** Motyka

Motyka (1937) 473.

on branches of native trees, 'The Aloes', Kirstenbosch, *Garside*; Lydenburg, *Wilms*; Mquatsheni near Burnera, *Hφeg*; near cataract in a remote place, Impendhle Distr., *Hφeg*.**Usnea gonioides** Stirt.

Stirton (1881) 108; Motyka (1937) 396.

Usnea angulata Ach. f. *gonioides* Hue (1899) 45; Zahlbruckner, Cat. Lich. VI : 535.
on branches of native trees, 'The Aloes', Kirstenbosch, *Garside*; Cape, *Bolus*; Adelaide, *Brugton*; Gouritz Rivier, *Breutel*; Karkloof, *Rehmann*; near Lydenburg, *Wilms*; in indigenous forest, Woodbush, *Rehmann*.**Usnea Havaasii** Motyka

Motyka (1937) 450.

Trappist Mission, Mariannahill, *Lindauer*.**Usnea hirta** (Linn.) Wigg.

Stizenberger (1890) no. 223; Zahlbruckner, Cat. Lich. VI : 576.

South Africa, *Drège*, *Krauss*, *Wawra*, *MacOwan*, *McLea*, *Wilms*.According to Motyka (1936-7), *U. hirta* is a common species in Europe and seems to be present in America, but it is not known elsewhere.**Usnea hispidula** (Müll. Arg.) Zahlbr.

Zahlbruckner, Cat. Lich. VI : 581; Motyka (1937) 488.

on trunk of trees, Umbovana, Zululand, *Brylin*.**Usnea horridula** (Müll. Arg.) Motyka

Motyka (1937) 334.

Usnea longissima Ach. var. *horridula* Müll. Arg., J. Müller Arg. (1891) 372; Zahlbruckner, Cat. Lich. VI : 586, VIII : 580.*Usnea hirta* var. *horridula* (Müll. Arg.) Stizenberger (1893) no. 233.Mooi River, Natal; Helpmekaar, Woodbush, *Eastwood*; Port Natal, *Plant*.**Usnea implicata** (Stirt.) Zahlbr.

Zahlbruckner, Cat. Lich. VI : 582; Motyka (1936) 60.

Eumitra implicata Stirton (1881) 100.on stones and on branches, Pondoland, *Bachmann*; Great Escarpment, near Kaapsche Hoop, *Hφeg*; Solheim M.S., near Eshowe, *Hφeg*; Blauwkrantz Valley, *Hφeg*.

Usnea intercalaris Krempelh.

Stizenberger (1890) no. 229 ; Zahlbruckner, Cat. Lich. VI : 582.
on bark, Cape.

Usnea laevis (Eschw.) Nyl.

Stizenberger (1890) no. 236 ; Zahlbruckner, Cat. Lich. VI : 583.
Zululand, *Schloemann*.

Usnea leprosa Motyka

Motyka (1936) 106.

on trees and shrubs undet., Mazoe, *Eyles* ; Zimbabwe, *Hfeg* ; Helpmekaar, Woodbush, *Wilms* ; near Lydenburg, *Wilms* ; Krugerspost, *Wilms* ; Karkloof, *Rehmann* ; Koningskroon, Elliott Distr., *Hfeg* ; Howieson's Poort, *Hfeg* ; Witsand, Wynberg, *Hfeg* ; 'The Aloes', Kirstenbosch, *Garside* ; on *Acacia* sp., 6 mis. west of Heidelberg, Cape, *Hfeg* ; on *Eucalyptus* sp., Town Bush, *Hfeg* ; on old trunks of *Euphorbia* sp., Kingwilliamstown ; on *Syringa*, Camperdown, *Hoeg* ; on trunks of *Tarchonanthus* and *Xerapetalis* spp., summit of Serra da Xella, *Welwitsch*.

Usnea longissima Ach.

Drège (1843) 133, 146 ; Crombie (1876 a) 166 ; Stizenberger (1890 & 1895) no. 233 ;
J. Müller-Arg. (1893 a) 509 ; Gepp (1911) 244 ; Zahlbruckner, Cat. Lich.
VI : 583.

on bark of trees, Cape, *Breutel* ; Table Mt., *Eaton* on branches, Pondoland, *Bachmann* ;
Olyfhoutskloof, *Drège* ; between 'Gekau' and 'Basche', *Drège* ; Chirinda Forest,
Swynnerton 430 ; Chimanimani Mts., *Swynnerton* 617 ; Madanda Forest, *Swynnerton*
801, 1804 ; Humansdorp, *Woodcock* (S.A.M. 46926).

Motyka (1937) 423-432, does not record this species from South Africa, only from the
northern hemisphere. It closely resembles *Usnea pectinata* and *U. trichodeoides*.

Usnea maculata Stirt.

Stirton (1882) 293 ; Zahlbruckner, Cat. Lich. VI : 586 ; Motyka (1937) 337.

Usnea rubiginosa Massalongo (1861) 45.

on trees, Somerset East, *MacOwan & McLea* (*Zwackh*, Lich. no. 820 ; Brit. Mus.) ; Table
Mt., *MacOwan*, *Rehmann*, *Jelinek*, *Wilms* ; in *Acacia* sp., on the Cape Flats, *Rehmann* ;
on *Acacia* sp., near Heidelberg, Cape, *Hfeg*.
on rocks, Bain's Kloof, *Wawra* ; Cape Town, *Marloth* ; on sandstone, Kloof, Dordrecht,
Hfeg ; Drakensberg, *Rehmann* ; Mquatszeni Valley, *Hfeg* ; near Kaapsche Hoop,
Hfeg ; Hashlosa Mt., near Ennersdale, *Hfeg*.

Usnea malacea Zahlbr. var. *subelegans* Zahlbr.

Zahlbruckner, Cat. Lich. VI : 587.

Usnea florida Wigg. var. *subelegans* Vainio (1901) 396.

on branches of trees, summit of Serra da Xella, *Welwitsch* 21 pr. p.

Usnea moniliformis Motyka

Motyka (1937) 447.

on trees, on hills above Maritzburg, *Rehmann* ; in indigenous forest, Woodbush, *Rehmann* ;
on *Podocarpus elongatus* L'Hérit., Cape, *Schott*.

Usnea molliuscula Stirt.

Stirton (1883) 77 ; Zahlbruckner, Cat. Lich. VI : 587 ; Motyka (1937) 541.
 on trunks and branches of trees, Table Mt., *Rehmann*, *Wilms*, *MacOwan* ; Inaccessible Gorge, Table Mt., *Pillans* ; Hottentots Holland Mts., (Zwackh. Lich. no. 819) ; lower slopes of Mountains, Banhoek, *Garside* 4127 ; Heidelberg, Cape, *Hφeg* ; Grahamstown, *Britten* (*Hφeg*) ; Pondoland, *Bachmann* ; near Solheim M. S., *Eshowe*, *Hφeg* ; near Burnera, *Hφeg* ; Upper Umkomaas, *Hφeg* ; Zimbabwe, *Hφeg* ; Woodbush, *Rehmann* ; on *Quercus Robur* Linn., Blauwkrantz, Knysna, *Hφeg*.

Usnea mutabilis Stirt.

Stirton (1881) 107 ; Zahlbruckner, Cat. Lich. VI : 588 ; Motyka (1937) 364.
 on shrubs, Woodbury, Alexandria Distr., *Hφeg*.

Usnea ochrophora (Stizenb.) Motyka

Motyka (1936) 254.

Usnea florida var. *ochrophora* Stizenb. in Herb. Acad. Polytechn., Zurich.
 on branches of trees and shrubs, Table Mt., *MacOwan*, *Wilms* ; Soldaten Bosch, western slopes of Table Mt., *Pillans* ; Brackels Kloof, Stellenbosch, *Garside* ; ' The Aloes ', Kirstenbosch, *Garside*.

Usnea perspinosa Motyka

Motyka (1937) 533.

on trees, Zimbabwe, *Hφeg* ; Lourenço Marques, *Quintas*.

Usnea picta (Steiner) Motyka

Motyka (1937) 325.

Usnea ceratina Ach. var. *picta* Steiner (1897) 210 ; Zahlbruckner, Cat. Lich. VI : 547.
 on shrubs, Woodbury, Alexandria Distr., *Hφeg*.

Usnea plicata (Linn.) Wigg.

Stizenberger (1890) no. 227.

Usnea dasypoga Röhl. var. *plicata* Crombie, Zahlbruckner, Cat. Lich. VI : 557.
 on branches, Transvaal, *Rehmann*.

Motyka (1936) 231, states that *Usnea plicata* is a very rare species, known only in Europe.

Usnea poliotrix Krempelh.

Motyka (1937) 311.

sub *Usnea Baileyi* Zahlbruckner, Cat. Lich. VI : 542.
 in *Eucalyptus* plantation, near Town Bush, *Hφeg*.

Usnea praelonga Stirt.

Stirton (1881) 107 ; Zahlbruckner, Cat. Lich. VI : 589 ; Motyka (1936) 112.
 without locality, *McLea* (Brit. Mus.) Type ; beneath steep krantz, Mquatsheni Distr., *Hφeg*.

Usnea primitiva Motyka

on *Podocarpus* sp., Tulbagh Valley, *Barnard* (S.A. M. 46440).

Usnea Promontorii Motyka

Motyka (1937) 386.

on shrubs and trees in indigenous forest, Cape, *Rehmann*; nr. Bezuidenhouts Rivier, Uitenhage Distr., *Hφeg*; towards Kruis Rivier, Heidelberg, Cape, *Hφeg*; in forest, Knyana, *Rehmann*; Claskoon, Zitzikamma; lower slopes of Table Mt., *Pillans*; in branches of native trees, 'The Aloes', -Kirstenbosch, *Garside*; Mquatsheni, Polela Distr., *Hφeg*; Drakensberg, *Rehmann*; steep krantz near Burnera, Impendhle Distr., *Hφeg*; on trees, Zimbabwe, *Hφeg*.

Usnea pulverulenta (Müll. Arg.) Motyka

Motyka (1936) 107.

Usnea florida var. *pulverulenta* Müll. Arg., Stizenberger (1890) 145, no. 222; Zahlbruckner, Cat. Lich. VI: 572.
on branches, Transvaal, *Rehmann*.

Usnea pulvinata Fr.

Zahlbruckner, Cat. Lich. VI: 590; Motyka (1937) 319.

Usnea florida var. *densirostra* Stizenberger (1890) 145, no. 222.*Usnea transvaalensis* Vainio (1926) 1; van der Byl (1931) 14; Zahlbruckner, Cat. Lich. VIII: 581.

on rocks, summit of Table Mt., and Hottentot's Holland Mts., *MacOwan* (Zwackh. Lich. 819, 820); Devils Peak, *MacOwan*; Rietvlei, Elliott Distr., *Hφeg*; Genadendal; west of Simonstown, *Pillans*; Bain's Kloof, *Wawra*; near Riet Vlei, Aliwal North, *Hφeg*; Viljoen's Pass, Elgin, *Garside*; Maseru, *Schroeter*; Pondoland, Mt. Hoshlosa nr. Ennersdale, *Hφeg*; upper Umkomaas, Impendhle Distr., *Hφeg*; Barberton, *Thorncroft* (v. d. Byl 229); near Lydenburg, *Wilms*; Kaapsche Hoop, *Hφeg*; Zambesia, *Kirk*; Natal, *Baines*; in indigenous forest above Woodbush village, *Rehmann*.

Usnea rubescens Stirt. var. *rubrotincta* (Stirt.) Motyka

Motyka (1937) 348.

Usnea rubrotincta Stirton (1881) 103; Stizenberger (1890) no. 222, nota; Zahlbruckner, Cat. Lich. VI: 591.

on trees, Transvaal, Wilms; Gouritzrivier, *Breutel*; Mquatsheni, *Hφeg*; in *Eucalyptus* plantation, Town Bush, *Hφeg*; in bush, Karkloof, *Rehmann*; Grahamstown, *Hφeg*; nr. Kruis Rivier, north of Heidelberg, Cape, *Hφeg*; on *Acacia* sp., 6 mis. west of Heidelberg, Cape, *Hφeg*; east of Bezuidenhouts Rivier, Uitenhage Distr., *Hφeg*; lower slopes of Banhoek Valley, *Garside*; Woodbury, Alexandria Distr., *Hφeg*.

Usnea rubicunda Stirt.

Stirton (1881) 102; Motyka (1937) 339; Zahlbruckner, Cat. Lich. VI: 590.

Usnea florida var. *rubiginea* Michx., Stizenberger (1890) no. 222, nota; Hillmann (1929) 289.

? *Usnea rubiginea* Massalongo (1861) 45; Zahlbruckner, Cat. Lich. VI: 590.
South Africa, without locality; ? Cape, *Wawra*.

Usnea solediosula (Müll. Arg.) Motyka

Motyka (1937) 330.

on solitary trees of *Erythrina* sp., between Inyezana River and Mtunzini, Eshowe Distr., *Hφeg*.

Usnea spilota Stirt.

Motyka (1937) 333 ; Zahlbruckner, Cat. Lich. VI : 592.
 on *Acacia* sp., near Heidelberg, Cape, *Hφeg* ; on trees, Cape, without locality, *Breutel* ;
 Humansdorp Distr., on border of Knysna Distr., *Hφeg*.

Usnea Steineri Zahlbr.

Zahlbruckner (1932) 225 ; Cat. Lich. VI : 592 ; van der Byl (1931) 14.
 on branches of *Canthium* sp., Brenton, Knysna, *v. d. Byl* 690 ; on tree trunk, Stellenbosch,
Slabbert (*v. d. Byl* 705).

Usnea strigosa (Ach.) Eaton

Motyka (1937) 359.
Usnea florida var. *strigosa* Ach., Stizenberger (1890) no. 222 ; Zahlbruckner, Cat. Lich.
 VI : 573.
 on bark, Transvaal, *Rehmann* ; Table Mt., *Wilms*.

Motyka, l.c., states that this species is only known to occur in Southern California,
 Mexico and places in the south-eastern part of North America with a rather high altitude.

Usnea strigosella Steiner

Steiner (1907) 637 ; Zahlbruckner, Cat. Lich. VI : 592 ; Motyka (1937) 516.
 on branches, Mt. Mamotsuiri, *Junod* 990 (Herb. Barbey Boissier) ; Table Mt. *Eaton* ;
 on trunks of indigenous trees, lower slopes of Banhoek, *Garside* ; on *Acacia* sp., near
 Heidelberg, Cape, *Hφeg* ; Adelaide, *Krugon* ; on shrubs and trees near road between
 Walmer and Schoenmakers Kop, *Hφeg* ; on shrubs near town, Woodbury, *Hφeg* ;
 Gouritzrivier, *Breutel* ; Kaffraria, *Adamson* ; Appelsbosch, Great Noodsberg, *Ljung-*
quist ; Mquatsheni, *Hφeg* ; on trunk of ' Saphron ' tree, Umbovana, Zululand, *Brylin* ;
 Helpmekaar, Woodbush, *Eastwood* ; Lydenburg, *Wilms*.

Usnea sublurida Stirt.

Zahlbruckner, Cat. Lich. VI : 593 ; Motyka (1937) 349.
 on indigenous trees, ' The Aloes ' , Kirstenbosch, *Garside*.

Usnea submusciformis Vain.

van der Byl (1931) 14, ? nom. nud.
 Matopos, *Eyles* 560, 1148 (*v. d. Byl* 560).

Usnea sulcata Motyka

Motyka (1937) 478.
Usnea angulata Ach., Stizenberger (1890 & 1895) no. 237 ; J. Müller-Arg. (1893 a)
 509 ; Zahlbruckner, Cat. Lich. VI : 534.
 on trees and shrubs, south of Woodbury, *Hφeg* ; south of Bushman River, *Hφeg* ; Gouritz
 Rivier, *Breutel* ; Pondoland, *Bachmann* ; Natal, *Rehmann* ; Transvaal, *Rehmann* ;
Wilms ; Cape, *Ecklon* ; near Lydenburg, *Wilms* (Lichenoth, univ. 48 ; S.A. M. 47015).

Usnea trichina Motyka

Motyka (1937) 391
Usnea gracilis var. *subplicata* Vain., Zahlbruckner, Cat. Lich. VI : 576.
 on trunk of tree, Umbovana, Zululand, *Brylin*.

Usnea trichodeoides Vain. emend. Motyka

Motyka (1937) 421.

Usnea trichodea Ach., Stizenberger (1890) no. 234 ; Zahlbruckner (1926 a) 543, Cat. Lich. VI : 595.

on trees and small shrubs, Bezuidenhouts River Valley, Uitenhage Distr., *Hφeg* ; Gouritz Rivier, *Breutel* ; Port Elizabeth ; Madanda Forst, Melsetter Distr., *Swynnerton* ; on the borders of Kaffraria, *Drège* ; near Guru, (?) Cape ; Enon ; Clyfhoutkloof, *Drège* ; on *Strychnos* sp., in indigenous forest, Olifantshoek near Alexandria, *Nightingale* on *Podocarpus* sp., van Reenen's Pass, *Brunnthaler* ; without locality, *Wawra*, *Schott*, *Wilms* ; on trees and small shrubs, Bezuidenhouts River Valley *Hφeg* ; Gouritz River, *Breutel*.

Usnea undulata Stirr.

Stirton (1881) 104 ; Motyka (1937) 547.

Usnea foveolata Stirton (1883) 77 ; Zahlbruckner, Cat. Lich. VI : 575.

Usnea barbata var. *farinosa* Müll. Arg., J. Müller-Arg. (1891) 373.

Usnea florida var. *farinosa* (Müll. Arg.) Stizenberger (1893) no. 222.

Usnea farinosa Zahlbruckner, Cat. Lich. VI : 564.

Usnea Steineri var. *tincta* f. *sorediosa* Zahlbruckner (1926 b) 541, Cat. Lich. VI : 592.

on *Acacia* sp., Port Alfred, *Hφeg* ; near Heidelberg, Cape, *Hφeg* ; on *Eucalyptus* sp., Town Bush, *Hφeg* ; on *Syringa*, Camperdown, *Hφeg* ; on trees and shrubs undet., Huilla, *Newton* ; Cape, *Rehmann* ; Witsand, *Hφeg* ; near Koningskroon, Elliott Distr., *Hφeg* ; Howieson's Poort and Grahamstown, *Hφeg* ; near East London, *Hφeg* ; Dunbrody Mission, *Uitenhage*, *Hφeg* ; near Solheim M.S., Eshowe, *Hφeg* ; Mquatsheni, *Hφeg* ; Burnera, Impendhle, Distr., *Hφeg* ; Karkloof, *Rehmann* ; Masiti Mt., Basutoland, *Herwit* ; Lydenburg, *Wilms* ; Zimbabwe, *Hφeg* ; near Kimberley, *Shaw* (Brit. Mus.).

Usnea sp.

J. Phillips (1929) 101.

on crowns of *Podocarpus* spp., *Apodytes dimidiata* E. Mey., *Canthium* sp., and *Ocotea bullata* E. Mey., Knysna, *J. Phillips*.

CALOPLACACEAE.

Blastenia Acaciae (Vain.) Zahlbr.

Zahlbruckner, Cat. Lich. VIII : 582.

Placodium Acaciae Vainio (1926) 10 ; van der Byl (1931) 15.

on bark of *Acacia mollissima* Willd., near Maritzburg, *v. d. Byl 226*, Type.

Blastenia aspicilioidea Zahlbr.

Zahlbruckner (1936) 174.

on shale rock, Muwe, Namaqualand, *v. d. Byl 1163*, Type.

Blastenia Brunnthaleri Zahlbr.

Zahlbruckner (1932) 256.

on granite rocks, Table Mt., towards Camps Bay, *Brunnthaler*, Type.

Blastenia confluens Müll. Arg.

J. Müller-Arg. (1888) 46 ; Zahlbruckner, Cat. Lich. VII : 27.

Lecanora confluens Stizenberger (1890) 207, no. 631.

Lecidea confluens Hue (1914) 11, non Ach.

on quartzite rocks at top of mountain, Nautilus Point, Angra Pequena, Schinz, Type.

Blastenia imponens (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 32.

Lecanora imponens Stizenberger (1890) 207, no. 632.

Lecidea imponens Hue (1914) 14.

on rocks, Orange Free State, Rehmann, Type.

Blastenia laingsburgensis Zahlbr.

Zahlbruckner (1936) 174.

on shale rock, Laingsburg, v. d. Byl 1089, Type.

Blastenia leptospora Zahlbr.

Zahlbruckner (1926 b) 543 ; Cat. Lich. VII : 33.

on limestone, near Windhoek, Fincke, Type.

Blastenia ochracea Trevis. var. *parvula* (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 48.

Lecanora ochracea (Schaer.) Nyl. var. *parvula* Stizenberger (1890) 200, no. 580.

on basalt rocks, near Lydenburg, Wilms.

Blastenia poliotera (Nyl.) Müll. Arg.

J. Müller-Arg. (1880) 36, (1893) 298 ; Schinz (1905) 395 ; Zahlbruckner, Cat. Lich. VII : 39.

Lecanora poliotera Nyl., Stizenberger (1895) no. 594.

Caloplaca poliotera Steiner (1897) 219.

Placodium polioterum Vainio (1901) 408.

on rocks, Mt., Kanduliri, Zambesi Region, Menyharth.

Blastenia praemicans (Nyl.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 40.

Lecanora praemicans Nyl. apud Crombie (1876 a) 172, (1876 b) 20 ; Hue (1891) 52 ; Stizenberger (1890) no. 584.

Placodium ferrugineum var. *mineaceum* Tuck. (1877) 171.

Lecidea praemicans Hue (1914) 17.

on bark, Table Mt., Eaton ; near Camps Bay, MacOwan.

Blastenia psorothecioides (Vain.) Zahlbr.

Zahlbruckner, Cat. Lich. VIII : 583.

Placodium psorothecioides Vainio (1926) 9 ; van der Byl (1931) 15.

on bark of *Ochna* sp., near Keurboom, v. d. Byl 281, Type.

Blastenia Punicae (Vain.) Zahlbr.

Zahlbruckner, Cat. Lich. VIII : 583.

Placodium Punicae Vainio (1926) 8 ; van der Byl (1931) 15.

on bark of *Punica Granatum* Linn., near Hopefield, v. d. Byl 392, Type.

Blastenia punicea Müll. Arg.

J. Müller-Arg. (1888) 45 ; Zahlbruckner, Cat. Lich. VII : 40.

Lecanora subpunicea Stizenberger (1890) 201, no. 590.

Caloplaca punicea Jatta (1910) 202.

Lecidea punicea Hue (1914) 18.

on quartzite rocks at top of mountain, Nautilus Point, Angra Pequena, *Schinz*, Type.

Blastenia seductrix (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 40 (as *Bl. sedutrix*).

Lecanora seductrix Stizenberger (1890) 207, no. 633.

on sandstone rocks, summit of Lion's Head, *MacOwan*, Type.

Blastenia subsalicina Zahlbr.

Zahlbruckner (1932) 257.

on branches of shrubs, near Glencairn, *v. d. Byl 983*, Type.

Blastenia testaceorufa (Vain.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 43, VIII : 583.

Placodium testaceorufum Vainio (1926) 10 ; van der Byl (1931) 15.

on bark of *Acacia mollissima* Willd., near Maritzburg, *v. d. Byl 227*, Type.

Blastenia vasquesia Massal.

Massalongo (1861) 72 ; Zahlbruckner, Cat. Lich. VII : 44.

Lecanora vascesia Stizenberger (1890) 202, no. 591.

Lecidea vasquesia Hue (1914) 20.

on volcanic rocks, Cape, *Wawra*.

Bombyliospora aureola (Tuck.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 49.

Lecidea aureola Tuck., Stizenberger (1891) no. 1028.

Lecanora aureola Stirton (1877) 216.

on bark, South Africa, without locality, *MacOwan*.

Bombyliospora domingensis (Pers.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 51 ; van der Byl (1931) 15.

Lecanora domingensis Ach., Drège (1843) 151 ; Nylander (1869 a) 7 ; Stirton (1877) 216.

Lecidea domingensis Nyl., Stizenberger (1891 & 1895) no. 1026.

Placodium domingense Vain. in Herb. van der Byl.

on bark of trees undet., ? Boschberg, *MacOwan 515*, 44 ; Durban, *Armstrong* ; Stella Bush, *v. d. Byl 62, 67* (det. A. L. Sm.), *v. d. Byl 116* (det. Merrill) ; on *Gardenia globosa* Hochst., Winkle Spruit, *v. d. Byl 50*, (det. A. L. Sm.) ; on *Trichilia emetica* Vahl, Woodbush, *v. d. Byl 480, 483* (det. Vain.) ; ' Omsamwubo ', near river, *Drège*.

Var. **colorata** Vain.

Zahlbruckner, Cat. Lich. VI : 52 ; van der Byl (1931) 15.

on trunk of tree undet., Stella Bush, *v. d. Byl 180* (det. Vain.) ; on trunk of *Celtis Kraussiana* Bernh., Durban, *v. d. Byl 196* (det. Vain.).

Var. **flavocrocea** Zahlbr.

Zahlbruckner, Cat. Lich. VII : 52.

Lecidea flavocrocea Nyl., Stizenberger (1891) no. 1027.

Lecanora flavocrocea Nylander (1869 a) 7 ; Hue (1891) 53.
Bombyliospora flavocrocea Massalongo (1860) 262.
 on trunks of trees, Cape of Good Hope.

Var. *glaucotropa* Vain.

Zahlbruckner, Cat. Lich. 52 ; van der Byl (1931) 15.
 on tree trunk, Eshowe, v. d. Byl 188 (det. Vain.).

Var. *inexplicata* Malme

Zahlbruckner, Cat. Lich. VII : 52.
Lecidea domingensis var. *inexplicata* Nyl., Stizenberger (1895) no 1026.
 on bark, South Africa.

Var. *inspersa* Steiner

Steiner (1907) 645 ; Zahlbruckner, Cat. Lich. VI : 52.
 on bark, Mt. Mamotsuiri, *Junod* 995.

Bombyliospora flavidula (Tuck.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 53, VIII : 584.
 as *Bombyliospora domingensis* var. *flavidula*, van der Byl (1931) 15.
Placodium flavidulum Vainio (1926) 9.
 on tree trunk, Stella Bush, v. d. Byl 107.

Bombyliospora incana A. L. Sm.

Zahlbruckner, Cat. Lich. VII : 53.
Lecidea pachycarpa Fr., Nylander (1869 a) 10 ; Stizenberger (1891) no. 1020.
 on bark, Durban, *Armstrong*.

Bombyliospora leprolyta (Nyl.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 54.
Patellaria leprolyta Müll. Arg., J. Müller-Arg. (1893 b) 298.
 near Boroma, Lower Zambesi, *Menyharth* 264.

Bombyliospora tuberculosa (Fée) Massal.

Zahlbruckner, Cat. Lich. VII : 56.
Lecidea tuberculosa Fée., Stizenberger (1891) no. 1021 ; Nylander (1869 a) 11.
 on bark, Durban, *Armstrong*.

f. *geotropa* (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 56.
Lecidea tuberculosa f. *geotropa* Stizenberger (1891) no. 1021.
 on dry ground, Table Mt., *Jelinek*.

Bombyliospora zuluensis Vain.

Vainio (1926) 18 ; Zahlbruckner, Cat. Lich. VIII : 584 ; van der Byl (1931) 15.
 on bark of *Thespesia* sp., near Eshowe, v. d. Byl 184, Type.

Caloplaca amphidoxa (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 65.
Lecanora amphidoxa Stizenberger (1890) 200, no. 585.
 on bark of pomiferous trees, near Lydenburg, *Wilms*.

Caloplaca aurantiaca Th. F.

Zahlbruckner, Cat. Lich. VII : 69.

Lecanora aurantiaca Flotow, Drège (1843) 134.*Lecidea aurantiaca* Ach., Drège (1843) 80.

on trees and rocks, Hoffmans Kloof, Drège ; du Toits Kloof, Drège ; Paarlberg, Drège.

f. **fulva** Zahlbr.

Zahlbruckner, Cat. Lich. VII : 75.

Lecanora aurantiaca Flotow var. *fulva* Nylander (1869 a) 7 ; Stizenberger (1890) 198, no. 574 ; Hue (1891) 49.

on trunks, Durban, Armstrong.

Caloplaca benguellensis (Nyl.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 79.

Lecanora benguellensis Nylander (1868) 511 ; Hue (1891) 50 ; Stizenberger (1890) no. 614.*Placodium ferrugineum* (Huds.) Hepp. var. *benguellensis* Wainio (1901) 408.*Placodium benguellense* Wainio (1915) 53.

on perpendicular, schistose rocks, between Maiombo and Pomangala, in Serra de Caximba, Welwitsch 17 pr. p., 485 pr. p.

Caloplaca capensis (Massal.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 84.

Callopsisma capensis Massalongo (1861) 59.

on rocks, Cape, Wawra.

Caloplaca calviniana Zahlbr.

Zahlbruckner (1932) 262.

on schistose rocks, near Calvinia, v. d. Byl 769, Type.

Caloplaca cardinalis Zahlbr.

Zahlbruckner (1932) 267.

on sandstone rocks, Steinkopf Mt., Namaqualand, Meyer (v. d. Byl 955) Type.

Caloplaca carphinea Jatta var. **scoriophila** Steiner.

Zahlbruckner, Cat. Lich. VII : 223.

Placodium scoriophilum Massalongo (1861) 55.*Lecanora scoriophila* Stizenberger (1890) 194, no. 539.

on volcanic rocks, Cape, Wawra.

Caloplaca cataschista Zahlbr.

Zahlbruckner (1936) 176.

on quartzite, near Upington, v. d. Byl 1155, Type.

Caloplaca cerina (Ach.) Th. Fr.

van der Byl (1931) 15 ; Zahlbruckner, Cat. Lich. VII : 84.

on tree trunk, Bot. Gard., Durban, v. d. Byl 113 (det. Merrill).

Caloplaca cinnabarina (Ach.) Zahlbr.

van der Byl (1931) 15 ; Zahlbruckner, (1932) 265, Cat. Lich. VII : 101.

Lecanora cinnabarina Ach., Drège (1843) 50, 75 ; Nylander (1868) 511, (1869 a) 7 ; Crombie (1876 a) 171 ; Stizenberger (1890 & 1895) no. 571.

Callopisma cinnabarium Müll. Arg., J. Müller-Arg. (1893 a) 510, (1893 b) 297 ; Schinz (1905) 395.

Placodium cinnabarinum Nyl., Wainio (1901) 407, (1915) 45.

on rocks and stones, chiefly sandstone, but also on granite, Durban, *Armstrong* ; Kraairivier, *Drège* ; Piquetberg, *Drège* ; Table Mt., *Eaton* ; Table Mt., opposite Camps Bay, *Brunnthaler* ; Hanover, Cape, *v. d. Merwe* (*v. d. Byl* 436 pr. p.) ; Matjesfontein, *Marloth 107* ; near Ceres, *Leslie* (*v. d. Byl* 622) ; Clanwilliam, *v. d. Byl 773* ; Glencairn, *v. d. Byl 978* ; Botany Bay, *v. d. Byl 990* ; Calvinia, *v. d. Byl 1132* ; Pondoland, *Bachmann* ; near Boroma, *Menyharth 1, 210* ; Matopos, *v. d. Byl 150* (det. Vain.) ; near Salisbury, *Eyles* (*v. d. Byl* 605, 631) ; between Maiombo and Cazimba, *Welwitsch 14* ; near cataract, Ferrão da Solo, *Welwitsch 484 pr. p.* ; on high mountain, Morro de Lopollo, *Welwitsch 53, 54 pr. p., 116 pr. p.*

Var. **opaca** (Müll. Arg.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 102.

Callopisma cinnabarinum var. *opacum* Müll. Arg., J. Müller-Arg. (1893 b) 297 ; Schinz (1905) 395.

Lecanora cinnabarina var. *opaca* Stizenberger (1895) no. 571.

near Boroma, Lower Zambesi, *Menyharth 5, 1210*.

Caloplaca cinnabariza (Nyl.) Zahlbr.

Zahlbruckner (1932) 266, Cat. Lich. VII : 102.

Lecanora cinnabariza Nyl. apud Crombie (1876 a (172, (1876 b) 19) ; Stizenberger (1890) no. 572 ; Hue (1891) 48.

on rocks, Table Mt., *Eaton*, Type, *Jelinek 305* ; on quartz rocks, Smitswinkel, *v. d. Byl 997, 1000*.

Caloplaca coccinella (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 108.

Lecanora coccinella Stizenberger (1890) 201, no. 589.

Lecidea coccinella Hue (1914) 10.

amongst other lichens, on crumbling granite rocks, Lion's Head, *MacOwan*, Type.

Caloplaca conchiliata Zahlbr.

Zahlbruckner (1932) 264.

on non-calcareous rocks, near Matjesfontein, *Brunnthaler*, Type.

Caloplaca crocodes (Massal.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 112, (1926 b) Pl. 8, f. 1-5.

Callopisma crocodes Massalongo (1861) 87.

on quartzite rocks, Cape, *Ecklon*.

Caloplaca delectans Zahlbr.

Zahlbruckner, (1932) 262.

on schistose rocks, Grootrivier, *v. d. Byl 898*, Type.

Caloplaca diploplaca Zahlbr.

Zahlbruckner (1932) 268 ; van der Byl (1931) 15.
on rocks, south-west Africa, *Kriege* (v. d. Byl 709) Type.

Var. **gracilior** Zahlbr.

Zahlbruckner, (1932) 269.
on quartz rocks, Haifischbucht, *Fincke*, Type ; on siliceous stones, Rössing, near Swakop-
mund, *Lebzetter*.

Caloplaca discolorella Zahlbr.

Zahlbruckner (1932) 261 ; van der Byl (1931) 15.
on quartzite rocks, Knysna, v. d. *Byl* 683, Type ; on granite rocks, Salisbury. *Eyles* (v. d. Byl
584).

Caloplaca Ecklonii (Massal.) Zahlbr.

Zahlbruckner (1926 c) pl. 7, f. 1-10 Cat. Lich. VII : 231.
Niopsora Ecklonii Massalongo (1861) 85.
on trunks of trees, Cape, *Ecklon*.

Caloplaca effusa Merrill.

van der Byl (1931) 15, nom. nud.
on rock, Klapmuts, v. d. *Byl* 100 pr. p.

Caloplaca elegans (Link.) Th. Fr.

Zahlbruckner, Cat. Lich. VII : 231.
Placodium elegans DC., Vainio (1901) 407.
Amphiloma elegans Koerb., Schultze (1907) 705.
on scattered, calcareous stones, Serra de Montes Negros, Mossamedes, *Welwitsch* 43,
483 ; on rocks, Angra Pequena, in the Namib, *Schultze* 51 a ; Gordons Bay, *Wells*
(v. d. Byl 961, det. A. L. Sm.) ; Riversdale, v. d. *Byl* 938 (det. A. L. Sm.).

Caloplaca elegantissima (Nyl.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 238.
Lecanora elegantissima Nylander (1868) 510 ; Stizenberger (1890) no. 544 ; Hue (1891)
46.
Amphiloma elegantissimum Müll. Arg., J. Müller-Arg. (1888) 529.
Placodium elegantissimum Wainio (1901) 407.
on quartzite rocks, between Caroca and Cazimba, near Cabo Negro, Mossamedes, *Welwitsch*
45, 48 pr. p., 49 pr. p. ; near Obib, Orange River, *Schenck*.

Caloplaca eudoxa Zahlbr.

Zahlbruckner, Cat. Lich. VII : 238.
Amphiloma eudorum Müll. Arg., J. Müller-Arg. (1888) 44.
Lecanora eudoxa Stizenberger (1890) 194, no. 545.
on quartzite rocks, at top of mountain, Nautilus Point, Angra Pequena, *Schinz*.

Caloplaca fecunda Zahlbr.

Zahlbruckner (1932) 260.
on sandstone rocks, Steinkopf Mt., Namaqualand, *Meyer* (v. d. Byl 952), Type.

Caloplaca ferruginea (Huds.) Th. Fr.

Zahlbruckner, Cat. Lich. VII : 118.

Lecanora ferruginea Link., Drège (1843) 134, 141 ; Stizenberger (1890 & 1895) no. 581 ; Hue (1891) 51.*Blastenia ferruginea* Massal., J. Müller-Arg. (1893 b) 298 ; Schinz (1905) 395 ; van der Byl (1931) 15.on rocks, Cape and near Lydenburg, *Wilms* ; near Boroma, *Menyharth* 255, 270, 272, 463 ; 'Glenfilling', *Drège* ; Hoffmanskloof, *Drège*.on tree trunk, Onrust, *v. d. Byl* 332 (det. Vain.).f. *erysibe* Jatta

Zahlbruckner, Cat. Lich. VII : 122.

Lecanora ferruginea f. *erysibe* Stizenberger (1890) no. 581.on bark, near Lydenburg, *Wilms*.**Caloplaca ferrogineovirens** (Vain.) Zahlbr.

Zahlbruckner, Cat. Lich. VIII : 586.

Placodium ferrugineovirens Vainio (1926) 7 ; van der Byl (1931) 15.on bark of *Royena* sp., near Howick, *v. d. Byl* 224, Type.**Caloplaca flava** (Müll. Arg.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 131.

Callospisma flavum Müll. Arg., J. Müller-Arg. (1893 b) 297 ; Schinz (1905) 395.*Lecanora flava* Stizenberger (1895) no. 578^{ter}.on rocks, Mt. Nhasinde, Zambesi Region, *Menyharth* 1209.**Caloplaca flavorubens** (Nyl.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 239.

Placodium flavorubens Nylander (1868) 510.*Lecanora flavorubens* Stizenberger (1890) no. 562.on rocks, South West Africa, *Welwitsch*.Precise locality not mentioned; this may be a tropical species, it was also collected by *Welwitsch* at Cape Verde (Vainio 1901 : 407).**Caloplaca flavovirescens** Dalla Torre & Sarnth.

Zahlbruckner, Cat. Lich. VII : 131.

Lecanora erythrella Ach., Stizenberger (1890) no. 577.*Lecanora aurantiaca* var. *erythrella* Nyl., Crombie (1876 a) 172.on rocks, Table Mt., *Eaton*.**Caloplaca gracilescens** Zahlbr.

Zahlbruckner (1932) 268 ; van der Byl (1931) 15.

on quartz rocks, Conney Glen, Knysna, *v. d. Byl* 640.**Caloplaca granulosa** Jatta.

Zahlbruckner, Cat. Lich. VII : 240.

Placodium subgranulosum Vain., van der Byl (1931) 13.(?) *Lecanora granulosa* Wedd., Stizenberger (1890) no. 558.on stone, Langbaan, *v. d. Byl* 355 *pr. p.* (det. Vain.) ; ? on rocks, Table Mt., *MacOwan*.

Caloplaca haematodes (Massal.) Zahlbr.

Zahlbruckner (1926 c) Pl. 9, f. 7-11 ; (1932) 266, Cat. Lich. VII : 143.

Callospisma haematodes Massalongo (1861) 86 ; Malme (1926) 29.

Lecanora cinnabarina var. *perminiata* Nyl. apud Crombie (1876 a) 171 ; Hue (1891) 48.

Lecanora cinnabarina var. *haematodes* Stizenberger (1890) 198, no. 571

on rocks, Table Mt., Eaton, Balfour, MacOwan ; near Simon's Bay, Jelinek ; near Matjesfontein, Marloth 134 ; near Laingsburg, Brunenthaler ; Hanover, Cape, v. d. Merwe (v. d. Byl 436 pr. p., det. Vain.) ; Ceres, Leslie (v. d. Byl 455, det. Vain, 458, 465, 468, 473).

Caloplaca Hampeana (Massal.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 144.

Pyrenodesmia Hampeana Massalongo (1856) 38.

on bark, Cape of Good Hope.

Caloplaca lamprocheila Flagey

Zahlbruckner, Cat. Lich. VII : 153.

Lecanora lamprocheila (DC.) Nyl., Stizenberger (1890) no. 592.

on rocks, top of Table Mt., MacOwan.

Caloplaca leptopisma (Nyl.) Zahlbr. forma.

Placodium leptopismum (Nyl.) Vain. f. *discreta* Vain. in Herb. van der Byl, ? nom. nud.

on stones, Sarnia, Hean (v. d. Byl 296, 307, 309, 317) ; Langbaan, v. d. Byl 355 pr. p., Mossel

Bay, v. d. Byl 379 ; Hanover, Cape, v. d. Merwe (v. d. Byl 433) ; all det. Vain.

Caloplaca leucozantha (Müll. Arg.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 242.

Amphiloma leucozanthum, Müll. Arg., J. Müller-Arg. (1888) 139.

Lecanora leucozantha Stizenberger (1890) 195, no. 551.

on branches of *Sarcocaulon* sp., Angra Pequena, Schinz.

Caloplaca massula Zahlbr.

Zahlbruckner, Cat. Lich. VII : 156.

Lecanora massula Stizenberger (1890) 201, no. 586.

Lecidea massula Hue (1914) 15.

on bark of pomiferous trees, Lydenburg, Wilms, Type.

Caloplaca mastophora (Vain.) Zahlbr.

Zahlbruckner, Cat. Lich. VIII : 587.

Placodium (Callospisma) mastophorum Vainio (1926) 7 ; van der Byl (1931) 15.

on bark of *Royena* sp., near Howick, v. d. Byl 210, Type.

Var. *flavorubescens* Vain.

in Herb. van der Byl, ? nom. nud.

on bark of *Celtis Kraussiana* Bernh., Salisbury, Eyles 3897 (v. d. Byl 548, det. Vain.).

Caloplaca murorum (Hoffm.) Th. Fr.

Zahlbruckner (1932) 269, Cat. Lich. VII : 248.

Lecanora murorum Ach., Drège (1843) 52, 53, 75, 85 ; Crombie (1876 a) 171 ; Stizenberger (1890) no. 553.

on rocks, Table Mt., *Eaton*; on quartz rocks, Hermanus, *v. d. Byl 788 pr. p.*; Witberg
Drège; Piquetberg, *Drège*; Paarlberg, *Drège*.

Caloplaca Neethlingii Zahlbr.

Zahlbruckner (1936) 175.
on quartzite, Lydenburg, *Neethling* (*v. d. Byl 1216*), Type.

Caloplaca Nideri Steiner var. *pruinosa* Zahlbr.

Zahlbruckner (1926 a) 543, Cat. Lich. VII : 261.
on crumbling stone, Haifischinsel, off Lüderitzbucht, *Fincke*, Type.

Caloplaca nolens Zahlbr.

Zahlbruckner (1932) 260.
on bark of tree, Victoria Falls, *Brunnthaler*, Type.

Caloplaca Odoardii (Bagl.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 160.
Lecanora Odoardii Stizenberger (1890) 200, no. 582.
on bark, near Lydenburg, *Wilms*.

Caloplaca orichalcea (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 161.
Lecanora orichalcea Stizenberger (1890) 199, no. 576.
Lecidea orichalcea Hue (1914) 16.
on granite and basaltic rocks, Lebombo Mts., *Wilms*.

Caloplaca pallidior (Müll. Arg.) Zahlbr.

Zahlbruckner (1932) 266.
Lecanora subfulgescens Nyl., Stizenberger (1890) no. 556; (?) van der Byl (1931) 13, as
L. subfulgens.
Caloplaca cinnabarina var. *pallidior* Jatta, van der Byl (1931) 15.
Caloplaca cinnabarina var. *subfulgescens* Zahlbruckner, Cat. Lich. VII : 102.
on granite Transvaal, *Wilms*; on schistose rocks, near Bulawayo, *Brunnthaler*; on rocks,
near Salisbury, *Eyles* (*v. d. Byl 608*); near Ceres, *Leslie* (*v. d. Byl 614*).

f. *opaca* (Müll. Arg.) Zahlbr.

Zahlbruckner (1932) 266.
on sandstone rocks, near Laingsburg, *Brunnthaler*.

Caloplaca perexigua (Vain.) Zahlbr.

Zahlbruckner, Cat. Lich. VIII : 588.
Placodium perexiguum Vainio (1926) 6; van der Byl (1931) 15.
on rocks, Riversdale, *v. d. Byl 370 pr. p.*, Type.

Caloplaca phlogina Flagey

Zahlbruckner, Cat. Lich. VII : 164.
Lecanora phlogina Nyl., Stizenberger (1890) no. 610.
on bark, near Lydenburg, *Wilms*.

Caloplaca placidia Steiner

Zahlbruckner, Cat. Lich. VII : 165.

Lecanora aurantiaca var. *placidium* Stizenberger (1890) no. 574.
on rocks, near Lydenburg, *Wilms*.**Caloplaca platyna** Zahlbr.

Zahlbruckner (1936) 175.

on shale rocks, Nuwe Rus, Namaqualand, *v. d. Byl 1167*, Type.**Caloplaca pyracea** Th. Fr.f. *pyrithromoides* Oliv.

Zahlbruckner, Cat. Lich. VII : 173.

Placodium ferrugineum (Huds.) Hepp. var. *pyrithromoides* Vainio (1901) 407.
on top of rock in Montes Negros, *Welwitsch 51 pr. p.* ; on perpendicular schistose rocks,
between Maiombo and Cazimba, *Welwitsch 17 pr. p.*f. *subpicta* Zahlbr.

Zahlbruckner, Cat. Lich. VII : 173.

Lecanora pyracea f. *picta* Nyl. apud Crombie (1876 a) 172.
Lecanora pyracea var. *picta* (Nyl.) Stizenberger (1890) no. 601.
on rocks, Table Mt., *Eaton*.Var. *pyrithroma* Flagey.

Zahlbruckner, Cat. Lich. VII : 177.

Lecanora pyracea Nyl. f. *pyrithroma* Nylander (1868) 511 ; Hue (1891) 50 ; Stizen-
berger (1890) no. 601.
in desert regions, Mossamedes.**Caloplaca pyropoecila** (Nyl.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 178.

Lecanora pyropoecila Nyl. apud Crombie (1876 a) 172, (1876 b) 20 ; Stizenberger
(1890) no. 609 ; Hue (1891) 51 ; van der Byl (1931) 13.
Placodium pyropoecilum Vainio (1921) 59.
on rocks, Table Mt., *Eaton*, Type ; on ironstone, Howick, *v. d. Byl 216* (det. Vain.).**Caloplaca pyropoeciloides** Zahlbr.

Zahlbruckner (1932) 263.

on granite rocks, slopes of Table Mt., *Brunnthaler*, Type.**Caloplaca regalis** (Vain.) Zahlbr.

Zahlbruckner (1932) 269, Cat. Lich. VII : 275.

on non-calcareous rocks, Bloubergstrand, *v. d. Byl 1041, 1042*.f. *prostrata* (Hue) Zahlbr.

Zahlbruckner, l.c.

associated with above, *v. d. Byl 1040*.**Caloplaca sophodes** (Vain.) Zahlbr.

Zahlbruckner, Cat. Lich. VIII : 589.

Placodium sophodes Vainio (1926) 8 ; van der Byl (1931) 13.
on bark of *Royena* sp., near Howick, *v. d. Byl 207 pr. p.*, Type.

Caloplaca subcerina (Nyl.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 202.

Lecanora erythroleuca var. *subcerina* Nyl., Stizenberger (1890) no. 627 ; van der Byl (1931) 12.*Placodium subcerinum* Vain.on bark of trees, near Durban, *Wilms* ; on bark of *Royena* sp., Howick, v. d. Byl 209 (det. Vain. as *Placodium subcerinum*).**Caloplaca subseptata** Zahlbr.

Zahlbruckner (1932) 259.

on rocks, Gordon's Bay, *Webb* (v. d. Byl 959) Type.**Caloplaca subsoluta** (Nyl) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 185.

Lecanora subsoluta Nyl., van der Byl (1931) 13.on stone, Hanover, Cape, v. d. *Merwe* (v. d. Byl 430, 434, det. Vain.)**Caloplaca subunicolor** (Nyl.) Zahlbr.

Zahlbruckner (1932) 265, Cat. Lich. VII : 185.

Lecanora subunicolor Nyl. apud Crombie (1876 a) 172, (1876 b) 19 ; Stizenberger (1890) no. 578 ; van der Byl (1931) 13.*Lecanora euelpis* Stizenberger (1890) 169, no. 575.*Lecidea euelpis* Hue (1914) 12.*Caloplaca euelpis* Zahlbruckner, Cat. Lich. VII : 116.on rocks, Table Mt., *Eaton* ; Cape, *MacOwan* ; Ceres, *Leslie* (v. d. Byl 470, det. Vain.) ; on hill near Port Elizabeth, *Brunnthaler*.**Caloplaca sympageella** (Vain.) Zahlbr.

Zahlbruckner, Cat. Lich. VIII : 589.

Placodium sympageellum Vainio (1926) 6 ; van der Byl (1931) 15.on rocks, Howick, v. d. *Byl* 220, Type, 217 pr. p. (det. Vain.).**Caloplaca tegularis** Sandst.

Zahlbruckner, Cat. Lich. VII : 267.

Physcia pusilla Massalongo (1852 a) 567.*Lecanora murorum* var. *pusilla* Wedd., Stizenberger (1890) no. 553.on rocks, near Saldanha Bay, *Breutel*.**Caloplaca teicophila** (Massal.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 189.

Callopisma teicophilum Massalongo (1861) 86.on schistose rocks, Cape, *Wawra*.**Caloplaca theloschistoides** Zahlbr.

Zahlbruckner, (1921) 241, (1926 b) 544, Cat. Lich. VII : 275.

on non-calcareous rocks, Haifischinsel, off Lüderitzbucht, *Fincke*.**Caloplaca zambesica** (Müll. Arg.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 201.

Callopisma zambesicum Müll. Arg., J. Müller-Arg. (1893 b) 297.*Lecanora zambesica* (Müll. Arg.) Stizenberger (1895) no. 578bis.on rocks, near Boroma, *Menyharth* 1210, 1213.

TELOSCHISTACEAE.

Teloschistes capensis Malme

Malme (1926) 47 ; Zahlbruckner (1926 c) Pl. 5, f. 7-8, Cat. Lich. VII : 311.
Hillman (1930) 323.

Lichen capensis Linnaeus f. (1781) 451 ; Hoffman (1784) 94, Tab. XIX f. 2, XX f. 2 ;
Lamarck (1789) 507 ; Gmelin (1791) 1379 ; Acharius (1798) 182 ; Thunberg
(1800) 179, (1923) 748.

Usnea capensis Hoffman (1790) 48, Tab. X f. 1 ; Roumeguère, (1868) 35, Tab. VI, LVIII.
Borrera capensis Acharius (1810) 503, Tab. IX f. 5.

Borrera pubera v. *capensis* Acharius (1814) 224.

Physcia capensis de Notaris (1847) 196, (1849) 386, f. 15 ; Massalongo (1852 a) 563,
(1852 b) 34 ; Juel (1918) 49.

Tornabenia capensis Massalongo (1853) 42.

Blastenia capensis Trevisan (1853) 2.

Physcia chrysophthalma var. *capensis* Nylander (1857) 106, (1860 a) 410; Stirton (1877)
215 ; Hue (1890) 315 ; Stizenberger (1890) no. 414.

on branches of shrubs, Tygerberg and die Swartland, *Thunberg* ; on tree trunks, Cape,
Breutel, Rehmann ; on *Lycium* sp. and *Cotyledon paniculata*, Cape Point, *C. A. Smith*,
727.

f. **puber** Malme

Malme (1926) 47 ; van der Byl (1933 a) 15 ; Zahlbruckner, Cat. Lich. VII : 312.

Borrera pubera Acharius (1810) 502 ;

on bark, South Africa.

Teloschistes chrysocarpoides Wain.

Wainio (1900 b) 4 ; Zahlbruckner, Cat. Lich. VII : 318.

on branches of trees, Hereroland, *Dinter* 50.

Teloschistes chrysophthalmus (Linn.) Beltr.

Steiner (1907) 641 ; Zahlbruckner (1926 c) Pl. 2, figs. 1-2, (1932) 269, Cat. Lich.
VII : 269 ; van der Byl (1931) 15, (1933 a) 14.

Borrera chrysophthalma Ach., Drège (1843) 94, 105, 133.

Tornabenia africana Massalongo (1861) 84.

Evernia chrysophthalma Flotow, von Flotow (1843) 24 ; Krauss (1846) 202.

Teloschistes africanus Zahlbruckner (1926 c) Pl. 2, figs. 3-7.

Physcia chrysophthalma (Linn.) DC., Stirton (1877) 215 ; Crombie (1876 a) 170 ;
Stizenberger (1890) no. 414.

on bark and branches, near Gouritz River ; Table Mt., *Eaton, v. d. Byl* ; Table Mt. and
Devils Peak, *Drège* ; Garip, near the mouth of the Orange River, *Drège* ; Enon,
Drège ; Robertson, *Bruwer* (v. d. Byl 408, det. Vain.) ; Piquetberg, *v. d. Byl* ; Jansen-
ville, *Slabbert* (v. d. Byl 701) ; Stellenbosch, *Duthie 2* ; Transvaal, without locality,
v. d. Byl ; Cape, ?*MacOwan* ; on *Cydonia oblonga* Mill., Umtali, *Eyles 4287* (v. d. Byl
571, det. A. L. Sm.) ; on *Prunus salicina* Lindl., Klapmuts, *v. d. Byl 984* (det. Merrill)
on *Acacia Karroo* Hayne, near Berg River, Stellenbosch, *Krauss*.

f. **armatus** (Rabenh.) Hillm.

Hillman (1930) 312 ; van der Byl (1933 a) 14 ; Zahlbruckner, (1932) 270, Cat.
Lich. VII : 270.

on branches of *Rhus glauca* Desf., near Still Bay, *Muir* (v. d. Byl 967).

f. *cinereus* Müll. Arg.

Zahlbruckner (1926 b) 548, Cat. Lich. VII : 316.

on bark of *Quercus* sp., Genadendal, near Caledon, *Brunnthaler*; on bark, Löwenberg, *Zeyher* no. 8 (as *Parmelia capensis* Ach.).Var. *dilatatus* Hillm.

Hillman (1930) 312; van der Byl (1933 a) 15; Zahlbruckner, Cat. Lich. VII : 317.

Physcia chrysophthalma var. *dilatata* Stizenberger (1890) 176, no. 414.
on bark, Transvaal, *McLea*; Knorhoek, Sir Lowry Pass, *Fischer*, 1612.Var. *pulvinaris* Zahlbr.

Zahlbruckner (1926 b) 549, Cat. Lich. VII : 318; Hillman (1930) 312; van der Byl (1933 a) 15.

on old *Casuarina* tree, Port Elizabeth, *Brunnthaler*.*Teloschistes costatus* Hillm.

Hillman (1930) 327; van der Byl (1933 a) 15; Zahlbruckner, Cat. Lich. VII : 318.

Teloschistes flavicans (Sw.) Norm. var. *costatus* Steiner (1897) 214; Zahlbruckner (1926 b) 548.on thorn bushes, Despatch, *Brunnthaler*; on trees and shrubs, East London, *Wager*, 757; Jeffreys Bay, *Kapp*, 1765; Fort Beaufort, *Schaefer*, 2031.*Teloschistes exilis* (Michx.) Vain.

Hillman (1930) 335; van der Byl (1931) 15.

Physcia exilis Michx., Stizenberger (1890) no. 409.*Physcia flavicans* var. *exilis* Nylander (1860 a) 407.*Teloschistes flavicans* var. *exilis* (Michx.) Müll. Arg., Zahlbruckner, (1926 b) 548, Cat. Lich. VII : 322; van der Byl (1933 a) 17.on thorn bushes, Haifischinsel, off Lüderitzbucht, *Fincke*; on *Cydonia oblonga* Mill. Umtali, *Eyles* 4287; on branches of *Acacia* sp., Eteza, Zululand, v. d. *Byl* 123 (det. Vain.); on trunks, Woodbush, v. d. *Byl* 521 pr. p.; Cape Town, *Eyles* (v. d. *Byl* 403. and v. d. *Byl*; Kwaggakama, *Christian*, 742; Bushbuck Ridge, *Wager*, 1474; ? Ken) tani, *Pegler* (S.A. M. 46899); East London, *Pegler* (S.A. M. 46949); Blue Lilies Bush-Humansdorp, *Woodcock* (S.A. M. 46930).Var. *dealbatus* Hillm.

Hillman (1930) 335.

Evernia flavicans var. *dealbata* von Flotow (1843) 24; Krauss (1846) 202.*Teloschistes flavicans* var. *dealbatus* Zahlbruckner, Cat. Lich. VII : 322.on twigs in bush, Highbury, *Doidge*, 1540; Rosetta, *T. R. Sim*, 1441; on bark of *Acacia decurrens* Willd., Mountain Home Farm, Woodbush, *Mogg*, 1562; on *Gymnosporia* sp., near Uitenhage, *Krauss*.Var. *pulvinatus* Hillman

Hillman (1930) 335.

Teloschistes flavicans var. *pulvinatus* Zahlbruckner, Cat. Lich. VII : 324.on twigs of *Acacia Karroo* Hayne, *Prunus persica* Sieb. & Zucc., and other trees, Kentani, *Pegler* 1227, 156.*Teloschistes flavicans* (Sw.) Norm.

Zahlbruckner (1926 b) 547, Cat. Lich. VII : 319; Hillman (1930) 329; van der Byl (1933 a) 16.

Lichen flavicans Sw., Thunberg (1800) 179, (1823) 748.

Evernia flavicans von Flotow (1843) 24 ; Krauss (1846) 202.

Tornabenia flavicans Massalongo (1861) 48.

Borrera flavicans Ach., Drège (1843) 133.

Physcia flavicans (Sw.) DC., Crombie (1876 a) 170 ; Stizenberger (1890 & 1895) no. 408. amongst moss and on rocks and tree trunks, Cape, *Wawra* ; Muizenberg mountain, *MacOwan* (S.A.M. 46962) ; on branches of trees, Table Mt., *Eaton* ; on thorn bushes, Despatch, *Brunnthaler* ; Green Point, *v. d. Byl* ; Saldanha Bay, *Thunberg* ; Pondoland, *Bachmann* ; Garcia's Pass, Riversdale, *Thorne* (S.A.M. 38881) ; on twigs, Kaaimansgat Forest, *Mogg*, 1972 ; Enon, *Drège*.

f. *minor* Cromb.

Hillman (1930) 335 ; Zahlbruckner, Cat. Lich. VII : 321 ; van der Byl (1933 a) 16.

Physcia flavicans var. *minor* Crombie (1876 a) 170 ; Stizenberger (1890) no. 408 ;

Gepp (1911) 244.

on branches, Table Mt., *Eaton* ; on trees, near Chirinda, *Swynnerton* 883.

Var. *croceus* Müll. Arg.

J. Müller-Arg. (1893 c) 510 ; Hillman (1930) 333 ; Zahlbruckner, Cat. Lich. VII : 322 ; van der Byl (1933 a) 16.

Physcia flavicans var. *crocea* Jatta, Stizenberger (1895) no. 408.

on branches, Pondoland, *Bachmann* ; Cape, *Rehmann*, *Ecklon*, *Drège*.

Var. *intermedius* Müll. Arg.

J. Müller-Arg. (1893 c) 510 ; Stizenberger (1895) no. 408 ; Hillman (1930) 333.

Teloschistes flavicans var. *maximus* Zahlbruckner, Cat. Lich. VII : 323.

on branches, Pondoland, *Bachmann*.

Var. *puberus* Müll. Arg.

Zahlbruckner, Cat. Lich. VII : 324.

Borrera pubera Acharius (1810) 502, (1814) 223 ; Drège (1843) 94, 108, 132.

Physcia chrysophthalma var. *pubera* Nylander (1860 a) 410.

Teloschistes flavicans var. *puber* Hillman (1930) 334.

on dry stony hills, Ebenezar, *Drège* ; Garip, near the mouth of the Orange River, *Drège* ; Samteesvlakte, *Drège* ; Enon, *Drège*.

Teloschistes hypoglaucus (Nyl.) Zahlbr.

Hillman (1930) 338 ; van der Byl (1933 a) 17 ; Zahlbruckner, Cat. Lich. VII : 328.

Physcia hypoglauca Nylander (1860 a) 409, (1869 a) 6 ; Hue (1890) 314 ; Stizenberger (1890) no. 413.

Niorma derelicta Massalongo (1861) 84.

Teloschistes derelictus Zahlbruckner (1926 c) Pl. 2, figs 8-12.

on branches and twigs, Cape, *Wawra*, *Ecklon*, *Zehler* ; Barberton, *Burt-Davy*, 174 ; in bush, Highbury, *Doidge*, 1539 ; Giants Castle, *Symons* 1422 ; along Inanda Valley, between Krantzkop and Greytown, *R. A. Dyer*, 1828 ; on twigs of *Pyrus malus* Linn. Bethlehem, *Saayman*, 1590 ; Zomershoek, Wakkerstroom, *Pienaar*, 175 ; on twigs of *Pyrus* and *Prunus* spp., *Pont & v. Elden* ; on twigs of *Rhus refracta* E. & Z., on hill west of Tidbury's Toll, *Turner*, 1863 ; on branch of *Acacia Karroo*. Hayne, Doornbosch, Somerset East, *Turner*, 1872.

Teloschistes perrugosus Müll. Arg.

J. Müller-Arg. (1891) 376 ; Hillman (1930) 317 ; Zahlbruckner, Cat. Lich., VII : 325.

Physcia perrugosa Stizenberger (1893) 90, no. 411 *bis*.

near Lupata in the Zambesi region, *Kirk*.

Teloschistes scorigenus (Mont.) Wain.

Wainio (1901) 407 ; Zahlbruckner, Cat. Lich. VII : 325.

Lecanora scorigena (Mont.) Nylander (1868) 510 ; Hue (1891) 47 ; Stizenberger (1890) no. 543.

on calcareous rocks, near Cabo negro, *Welwitsch* 22.

Teloschistes validus (Müll. Arg.) Hillm.

Hillman (1930) 326.

Teloschistes flavicans (Sw.) Norm. var. *validus* Müll. Arg., Zahlbruckner, Cat. Lich. VII : 324.

on twigs, Inanda, *Medley Wood* 644, 1697 ; Port Alfred, *Penfield*, 178 ; Lourenço Marques, *Junod*, 185 ; Jeffrey's Bay, *Kapp*, 1764 ; Kaaimansgat Forest, *Mogg*, 1972 ; Kidds Beach, *Schaefer*, 2027.

Teloschistes verrucosus Hillm.

Hillman (1930) 325 ; van der Byl (1933 a) 13 ; Zahlbruckner, Cat. Lich. VII : 327 on bark, Duikervallei, Tygerberg, *Lindley Exped.* ; Cape, *Drège* ; without locality, *Marlot* 6406 ; 1517 ; Orange River Mouth, near Alexander Bay, *Orpen*, 736.

Teloschistes villosus Norm.

Zahlbruckner, Cat. Lich. VII : 325.

Physcia villosa Duby, Schultze (1907) 706.

on *Marlothia africana* Engl., Kwatsane, Kalahari, *Schultze* 23.

Xanthoria candelaria Kickx.

f. *fibrillosa* Hillm.

Hillman (1922) 201 ; Zahlbruckner (1926 b) 547, Cat. Lich. VII : 282. on branches of a shrub, Namaqualand, *Marloth* 6405, ? 1516.

Var. *semigranularis* Zahlbr.

Zahlbruckner, Cat. Lich. VII : 287.

Physcia lychnea (Ach.) Nyl. var. *semigranularis* Stizenberger (1890) 177, no. 420.

Teloschistes controversus var. *semigranularis* Müll. Arg., J. Müller-Arg. (1887 a) 319. on bark, near Lydenburg, *Wilms*.

Xanthoria ectaneoides (Nyl.) Zahlbr.

Zahlbruckner (1932) 269, Cat. Lich. VII : 287 ; van der Byl (1931) 15, (1933 (a) 12,

Physcia ectaneoides Nyl., Stizenberger (1890) no. 419.

Xanthoria parietina (Linn.) Beltr. var. *ectaneoides* (Nyl.) Zahlbr., Hillman (1920, 4, 20. on rocks, Table Mt., *Jelinek* ; Onrust, v. d. *Riet* (v. d. Byl 804) ; Hermanus, *Louwrens* 1734.

Xanthoria flammea (Linn. f.) Hillm.

Hillman (1932) 192, 206 ; Zahlbruckner (1926 b) 545, (1926 c) Pl. 1, f. 11-1

(1932) 269, Cat. Lich. VII : 309 ; van der Byl (1931) 15, (1933 a) 10.

Lichen flammeus Linnaeus f. (1781) 451 ; Thunberg (1800) 179, (1823) 747.

Dufourea flammea Acharius (1810) 524, (1814) 246 ; Juel (1918) 49.

Parmelia flammea Ach., von Flotow (1843) 27 ; Krauss (1846) 201.

Physcia flammea Nylander (1860 a) 412 ; Stizenberger (1890) no. 321.

Physcia flammula Nyl., Schultze (1907) 706.

Physcia holoxantha Nylander (1869 a) 6, not.

on bark of shrubs and trees, near Saldanha Bay, *Thunberg*; Lamberts Bay, *Brauns*; near Swellendam, *Krauss*; without locality, *Pappe* (S.A.M. 46881); near Swakopmund, *F. & R. Wettstein*; Table Mt., *Eaton*; South Africa, without locality, *Breutel* (Herb. Krempelhuber); on dead plants, Possession Is., *Schultze 22*; on thorn bush, *Haißschinsel* off Lüderitzbucht, *Fincke*; on *Cassine sphaerophylla* O. Ktze., Platbos near Stilbaai, *Muir* (v. d. Byl 970); on branches of *Lycium horridum* L., 'in insula Phocarum', near Table Bay.

Var. *podetiifera* Hillm.

Hillman (1922) 207; Zahlbruckner, Cat. Lich. VII: 309.

on *Asparagus capensis* and *Lycium* sp., Bozenfels, *Dinter*, 1502; on shrubs, Lamberts Bay, v. d. *Merwe*, 1720; Saldanha Bay, *Marloth 106*, 1519; Alexander Bay, *Orpen*, 735; on dead twigs of *Lycium horridum* L., *MacOwan*, 319.

Xanthoria Marlothii Zahlbr.

Zahlbruckner (1926 b) 544, Cat. Lich. VII: 288; van der Byl (1933 a) 10.

on sandstone, Steinkopf Distr., Little Namaqualand, *Marloth 6320*.

Xanthoria parietina (Linn.) Beltr.

Zahlbruckner (1926 b) 547, (1932) 269, Cat. Lich. VII: 288; van der Byl (1931) 15, (1933 a) 11.

Parmelia parietina Ach., *Drège* (1843) 85, 94, 108, 133.

Physcia parietina (L.) de Not., *Crombie* (1876 a) 170; *Stirton* (1877) 215; *Stizenberger* (1890) no. 415.

on branches and twigs of trees undet., Table Mt., *Eaton*; Kloof Neck, *Brunnthaler*; Ceres, *Leslie* (v. d. Byl 611); near Stilbaai, v. d. *Byl 968*; Paarlberg, *Drège*; Enon, *Drège*; Garip, near the mouth of the Orange River, *Drège*; on dry stony hills, Ebenezar, *Drège*; Boschberg, *MacOwan 525* (S.A.M. 46913); Robertson, *Bruwer* (v. d. Byl 414); Piquetberg, v. d. *Byl*; Woodbush, v. d. *Byl 521 pr. p.*; on *Cassine sphaerophylla* O. Ktze, near Stilbaai, *J. Muir*; on *Myoporum acuminatum* R. Br., near Stilbaai, *J. Muir*; on *Nerium Oleander* Linn., Hopefield, v. d. *Byl 146* (det. Vain.); on *Populus alba* Linn., Liesbeck River *MacOwan*; *Populus* sp., Klapmuts, v. d. *Byl 85* (det. Merrill); on *Portulacaria afra* Jacq., Zwartkops, *Brunnthaler*; on *Prunus persica* Sieb. & Zucc., Klapmuts, v. d. *Byl 92*; on *Punica granatum* Linn., Hopefield, v. d. *Byl 395* (det. Vain.); on *Quercus* sp., Klapmuts, v. d. *Byl 82* (det. Merrill); on *Sideroxylon inerme* Linn., near Stilbaai, *J. Muir*.

on rocks, Klapmuts, v. d. *Byl 93*; on stones, Onrust, v. d. *Riet*; Gouritz Rivier, v. d. *Byl 321*; on cement wall, Cape Town, *Eyles* (v. d. *Byl 387*).

f. *albicans* (Müll. Arg.) Hillm.

Hillman (1920) 2, 14; Zahlbruckner, Cat. Lich. VII: 295.

Physcia parietina f. *albicans* Müll. Arg., *J. Müller-Arg.* (1890) 338; *Stizenberger* (1893) no. 415.

South Africa, *MacOwan*, 337.

f. *rutilans* Th. Fr.

Zahlbruckner, Cat. Lich. VII: 297.

Physcia parietina var. *rutilans* *Stizenberger* (1890) 176, no. 415.

on branches of shrubs, Cape, *Drège*.

Var. *aureola* (Ach.) Th. Fr.

Steiner (1907) 641; Hillman (1920) 18; van der Byl (1933 a) 11.

Physcia parietina var. *aureola* *Körb.*, *Crombie* (1876 a) 170; *Stizenberger* (1890) no. 415.

on bark of trees, Table Mt., *Eaton*; Stellenbosch, *Duthie 6*.

Var. ectanea (Ach.) Kickx.

Zahlbruckner (1926 b) 547, Cat. Lich. VII : 298 ; van der Byl (1933 a) 11.

Physcia parietina var. *ectanea* (Ach.) Nylander (1860 a) 411 ; Hue (1890) 315 ; Stizenberger (1890) no. 418.

on branches of shrubs and on calcareous stones, Cape, *Drège* ; on *Quercus* sp., Genadendal, *Brunnthaler*.

Var. macrophylla (Stizenb.) Hillm.

Hillman (1920) 7, 16 ; Zahlbruckner, Cat. Lich. VII : 302 ; van der Byl (1933 a) 12.

Physcia macrophylla Stizenberger (1890) 177, no. 418 ; Zahlbruckner, Cat. Lich. VII : 646.

on cortex of *Sparmannia* sp., Table Mt., *Jelinek*.

Xanthoria turbinata Wain.

Wainio (1900 b) 4 ; van der Byl (1933 a) 12.

on branches of *Punica granatum* Linn., Hopefield, *v. d. Byl 395 pr. p.* (det. Vain.) ; on branches, Hereroland, *Dinter 49, 49 b.*

BUELLIACEAE.

Buellia abstracta Oliv.

Zahlbruckner, Cat. Lich. VII : 330 ; van der Byl (1931) 16.

on stone, Hopefield, *v. d. Byl 341* (det. Vain.).

Buellia aethalea (Ach.) Th. Fr.

Zahlbruckner (1926 b) 549, (1932) 272, Cat. Lich. VII : 331.

Lecidea aethalea Nyl., Stizenberger (1891) no. 1132.

Lecidea atroalbella Nyl., Stizenberger (1891) no. 1131.

Melanaspicilia aethalea Wain., Herb. v. d. Byl.

as *Rinodina aethalea* (Ach.), van der Byl (1931) 16.

on rocks, Kloof Neck, Cape Town, *Brunnthaler* ; Table Mt., *MacOwan, Jelinek* ; Caledon, *v. d. Byl 365* (det. Vain.) ; Spitzkop, near Lydenburg, *Wilms*.

Buellia aethaloëssa (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 333.

Lecidea aethaloëssa Stizenberger (1891) 166, no. 1133.

on quartzite rocks, near Muizenberg, *MacOwan*, Type.

Buellia afra Wain.

Wainio (1901) 415 ; Zahlbruckner, Cat. Lich. VII : 333.

Buellia africana Müll. Arg., J. Müller-Arg. (1879) 292, (1893) 292.

Lecidea afra Stizenberger (1891 & 1895) 163, no. 1120.

on rocks, near Boroma, Lower Zambesi, *Menyharth 6*.

Buellia africana Tuckerm.

Tuckerman (1888) 160 ; J. Müller-Arg. (1893 b) 298 ; Schinz (1905) 395 ; Zahlbruckner, Cat. Lich. VII : 433, 458.

Lecidea africana Tuckerman (1860) 406 ; Stizenberger (1891) no. 1184.

Catalechia africana Müll. Arg., J. Müller-Arg. (1881) 510.

on rocks, Saldanha Bay, *Zeyher* ; on sandstone rocks, near Simonstown, *Wright* ; Table Mt., *MacOwan* ; near Boroma, *Menyharth 6*.

Buellia albinea Müll. Arg.

Zahlbruckner, Cat. Lich. VII : 334.

Lecidea albinea Stizenberger (1891) 168, no. 1141.
on quartzite rocks, Lebombo Mts., *Wilms*.**Buellia albula** Müll. Arg.

Zahlbruckner, Cat. Lich. VII : 334.

Lecidea albula Nyl., Stizenberger (1891) no. 1147.
on wood, Saldanha Bay, *Breutel*.**Buellia ambusta** Zahlbr.Zahlbruckner, Cat. Lich. VII : 334, as *B. ambuta*.*Lecidea ambusta* Stizenberger (1891) 174, no. 1170.
on bark of a tree of the family Malvaceae, near Durban, *Wilms*, Type.**Buellia anatolodia** Massal.

Massalongo (1861) 67 ; Zahlbruckner, Cat. Lich. VII : 335.

Lecidea anatolodia Krempelh., Stizenberger (1891) no. 1137.
on rocks, Cape, *Wawra*.**Buellia Brugierae** Vain.

Vainio (1926) 14 ; van der Byl (1931) 16 ; Zahlbruckner, Cat. Lich. VIII : 591

on bark of *Bruguiera gymnorhiza*, near Durban, *v. d. Byl* 138, Type.**Buellia Brunnthaleri** Zahlbr.

Zahlbruckner, Cat. Lich. VII : 340.

Buellia angulosa Steiner, apud Zahlbruckner (1926 b) 549, non. B. de Lesd.
on quartzite rocks, above the baths, Caledon, *Brunnthaler*.**Buellia callaina** (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 341.

Lecidea callaina Stizenberger (1891) 172, no. 1166.
on sandstone rocks, Lions Head, *MacOwan*, Type.**Buellia callispora** var. *tetrapla* Steiner

Steiner (1907) 645 ; Zahlbruckner (1926 b) 551, (1932) 272, Cat. Lich. VII : 341.

on bark, Mt. Mamotsuiri, *Junod* 997 *pr. p.*, Type ; on rind of *Portulacaria afra* Jacq.,
Zwartkops near Port Elizabeth, *Brunnthaler*.**Buellia callisporoides** Vain.Lyngé (1937) 78 (not *B. callisporoides* Steiner, see Zahlbruckner, Cat. Lich. VII :
341).on rocks, Riversdale, *v. d. Byl*, Type.**Buellia cangoënsis** Vain.

Vainio (1926) 15 ; van der Byl (1931) 16 ; Zahlbruckner, Cat. Lich. VIII : 591.

on bark of leafy tree, near Cango Caves, Oudtshoorn, *v. d. Byl* 381.

Buellia coeruleata (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 343.

Lecidea coeruleata Stizenberger (1891) 168, no. 1142.
on quartzite rocks, Cape, *MacOwan*, Type.**Buellia contingens** Zahlbr.

Zahlbruckner, Cat. Lich. VII : 346.

Lecidea contingens Nyl. apud Crombie (1876 a) 178 ; Hue (1891) 144 ; Stizenberger (1891) no. 1176.
on rocks, Table Mt., *Eaton*, Type.**Buellia dialytella** Vain.Vainio (1926) 15 ; van der Byl (1931) 16 ; Zahlbruckner, Cat. Lich. VIII : 591.
on bark of *Royena* sp., near Howick, *v. d. Byl 207 pr. p.*, Type.**Buellia diorista** (Nyl.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 349 ; van der Byl (1931) 16.

on tree trunk, Stella Bush, *Verwoerd* (*v. d. Byl 399, det. Vain.*) ; on stem of shrub, Robertson, *Bruwer* (*v. d. Byl 412, det. Vain.*).**Buellia disciformis** (Fr.) Mudd.

Zahlbruckner (1932) 270, Cat. Lich. VII : 349.

Lecidea disciformis Nylander (1869 a) 12 ; Stizenberger (1891 & 1895) no. 1160.*Buellia parasema* var. *disciformis* Th., Fr., J. Müller-Arg. (1893 b) 298 ; Schinz (1905) 395.on bark, near Lydenburg and in Schiffberg Mt., *Wilms* (Lojka, Licheboth. univ. 84) ; Natal ; Salisbury, *v. d. Byl 602* ; near Boroma, *Menyharth 262* ; Durban, *Armstrong*.f. *vulgata* Oliv.

Zahlbruckner, Cat. Lich. VII : 352.

Buellia parasema var. *vulgata* Th., Fr., J. Müller-Arg. (1893 b) 298 ; Schinz (1905) 395.
on bark, near Boroma, *Menyharth 463, 466, 470*.Var. *cinereopruinosa* Vain.

van der Byl (1931) 16, ? nom. nud.

on trunk of tree, *Eshowe, v. d. Byl 186*.Var. *lecanactina* Steiner

Steiner (1907) 645 ; Zahlbruckner, Cat. Lich. VII : 353.

on bark, Mt. Mamotsuiri, *Junod 997 pr. p.*, Type, *998 pr. p.*Var. *sanguinea* (Müll. Arg.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 354.

Buellia parasema var. *sanguinea* Müll. Arg., J. Müller-Arg. (1888) 207.*Lecidea disciformis* var. *sanguinea* Stizenberger (1891) 171, no. 1160.
on bark, Lydenburg, *Wilms*.**Buellia discolorans** (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 356.

Lecidea discolor Stizenberger (1891) 173, no. 1168 (as *L. discors*).
on bark of *Rhamnus* sp., near Uitenhage, *Breutel*, Type.

Buellia dispersa Massal.

Zahlbruckner (1926 b) 551, Cat. Lich. VII : 356.
on sandstone, Port Elizabeth, on hill east of town, *Brunnthaler*.

Buellia distrahens Vain.

Vainio (1926) 13 ; van der Byl (1931) 16 ; Zahlbruckner, Cat. Lich. VIII : 591.
on sandstone, Stellenbosch, v. d. *Byl* 248, Type.

Buellia distrata (Nyl.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 357.
Lecidea distrata Nyl. apud Crombie (1876 a) 179 ; Stizenberger (1891) no. 1151 ;
Hue (1891) 140.
on quartzite rocks, Table Mt., *Eaton*, Type.

Buellia durbana Vain.

Vainio (1926) 17 ; van der Byl (1931) 16 ; Zahlbruckner, Cat. Lich. VIII : 592.
on wood, Durban, v. d. *Byl* 168, Type.

Buellia endorhodina Vain.

Lynge (1937) 79.
on bark, Stella Bush, v. d. *Byl* 181, Type.

Buellia epichlora (Vain.) Zahlbr.

Zahlbruckner, Cat. Lich. VIII : 592.
Melanaspicilia epichlora Vainio (1926) 11 ; van der Byl (1931) 16.
on sandstone, Stellenbosch, v. d. *Byl* 249, Type.

Buellia glencairnensis Zahlbr.

Zahlbruckner (1936) 177.
on sandstone, Glencairn, v. d. *Byl* 977, Type.

Buellia halonia (Ach.) Tuck.

Zahlbruckner, (1926 c) Pl. 9, f. 1-2, Cat. Lich. VII : 365.
Lecidea halonia Ach., Stizenberger (1891) 176, no. 1183.
Baeomyces capensis Taylor (1847) 186.
Buellia catalipa Massalongo (1861) 69.
on maritime rocks, Cape, *Osbeck* ; on rocks, Table Mt., *Wawra*, *Eaton*, *MacOwan* ; Lions
Head, *MacOwan* ; on granite, Cape of Good Hope (Herb. Hook.).

Buellia incrustans Steiner

Zahlbruckner (1926 b) 550, Cat. Lich. VII : 369.
on branches, Haifischinsel, off Lüderitzbucht, *Fincke*.

Buellia incuriosa (Nyl.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 369.
Lecidea incuriosa Nyl. apud Crombie (1876 a) 178, (1876 b) 21 ; Hue (1891) 140 ;
Stizenberger (1891) no. 1152.
on rocks, Table Mt., *Eaton*, Type.

Buellia inquilina Tuckerm.

J. Müller-Arg. (1893 b) 298 ; Schinz (1905) 396 ; Zahlbruckner, Cat. Lich. VII : 370.

Lecidea inquilina Stizenberger (1895) 253, no. 1207.
near Boroma, Lower Zambesi, *Menyharth* 467.

Zahlbruckner, l.c., records this species only from California, and says that it appears to be a fungus.

Buellia insidians (Nyl.) Zahlbr.

van der Byl (1931) 16 ; Zahlbruckner, Cat. Lich. VII : 370.
on stone, Caledon, *v. d. Byl* 362 (det. Vain.).

Buellia italica Massal.

Zahlbruckner, Cat. Lich. VII : 373.

Lecidea italica Wedd., Stizenberger (1891) 165, no. 1127.
on rocks, Cape, *MacOwan*.

Var. **debanensis** Bagl.

Zahlbruckner, Cat. Lich. VII : 373.

Lecidea italica var. *debanensis* Stizenberger (1891) 165, no. 1127.
on rocks, near Lydenburg, *Wilms*.

Var. **recobarina** Massal.

Zahlbruckner, Cat. Lich. VII : 373 ; Massalongo (1861) 70.

Lecidea italica var. *recobarina* Stizenberger (1891) 165, no. 1127.
on sandstone rocks, Table Mt., *Wawra*.

Buellia langbaanensis Vain.

Vainio (1926) 11 ; van der Byl (1931) 16 ; Zahlbruckner, Cat. Lich. VIII : 592.
on granite, Langbaan, *v. d. Byl* 354, Type.

Buellia Lauri-cassiae (Fée) Müll. Arg.

Zahlbruckner, Cat. Lich. VII : 451.

Lecidea triphragmia Nylander (1869 a) 12 ; Stizenberger (1891) no. 1158 ; Hue (1891) 143.
on bark, Durban, *Armstrong*.

Var. **macrosperma** Zahlbr.

Zahlbruckner (1932) 272.

on branches of *Canthium* sp., Brenton, Knysna, *v. d. Byl* 649, 652.

Buellia leucina Müll. Arg.

Zahlbruckner, Cat. Lich. VII : 377.

Lecidea leucina Stizenberger (1891) 164, no. 1121.
on rocks, near Lydenburg, *Wilms*.

Buellia lutata (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 378.

Lecidea lutata Stizenberger (1891) 164, no. 1123.
on rocks, in Warm Bokkeveld Mts., near Ceres, *MacOwan*.

Buellia meizocarpa Vain.

Vainio (1926) 12 ; van der Byl (1931) 16 ; Zahlbruckner, Cat. Lich. VIII : 593.
on rock, Sarnia, *Hean* (v. d. Byl 305, 311. det. Vain.).

Buellia melanthina (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 380.

Lecidea melanthina Stizenberger (1891) 173, no. 1169.
on branches of shrub, Cape, *Drège*, Type.

Buellia micromera Vain.

Vainio (1926) 14 ; van der Byl (1931) 16 ; Zahlbruckner, Cat. Lich. VIII : 593.
on bark of *Strychnos* sp., Matopos, v. d. *Byl* 165.

Buellia microsperma Müll. Arg.

J. Müller-Arg. (1886) 309 ; Zahlbruckner, Cat. Lich. VII : 381.

Lecidea nanosperma Stizenberger (1891) 164, no. 1122.
on stones, near Lydenburg, *Wilms* (Lojka Lichenoth. univ. 85), Type.

Buellia natalensis Vain.

Vainio (1926) 16 ; van der Byl (1931) 16 ; Zahlbruckner, Cat. Lich. VIII : 593.
on bark of *Combretum* sp., near Howick, v. d. *Byl* 212, Type ; on trunk of tree undet.,
Howick, van der Byl 221 (det. Vain.).

Buellia nesiotis (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 383.

Lecidea nesiotis Stizenberger (1891) 175, no. 1178.
on granite rocks, top of Lions Head, *MacOwan*, Type.

Buellia Ocoteae Vain.

Vainio (1926) 15 ; van der Byl (1931) 16 ; Zahlbruckner, Cat. Lich. VIII : 583.
on bark of *Ocotea bullata* E. Mey., near Knysna, v. d. *Byl* 263, Type.

Buellia oleicola (Nyl.) Zahlbr.

van der Byl (1931) 16 ; Schinz (1905) 396 ; Zahlbruckner, Cat. Lich. VII : 385.

Lecidea olivacea Stizenberger (1895) no. 1137bis.
on trunk of *Eucalyptus* sp., Mossel Bay, v. d. *Byl* 376 (det. Vain.).

Buellia olivacea Müll. Arg.

J. Müller-Arg. (1893 b) 298 ; Zahlbruckner, Cat. Lich. VII : 385.

on rocks, near Boroma, *Mengharth* 6.

Buellia pachnodes (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 385.

Lecidea pachnodes Stizenberger (1891) 172, no. 1165.
on sandstone rocks, near Muizenberg, *MacOwan*, Type.

Buellia pachysporoides Vain.

Lynge (1937) 80 ; van der Byl (1931) 16.

on rocks, Langbaan, v. d. *Byl* 537, 539, 542, 546 (Number of type not quoted by Lynge).

Buellia perigrapta (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 387.

Lecidea perigrapta Stizenberger (1891) 167, no. 1140.
on fragments of granite rocks, Lions Head, *MacOwan*, Type.**Buellia permodica** (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 387.

Lecidea permodica Stizenberger (1891) 168, no. 1143.
on sandstone rocks, near Muizenberg, *MacOwan*, Type.**Buellia perspersa** Steiner

Zahlbruckner (1926 b) 551, Cat. Lich. VII : 389.

on ring of *Portulacaria afra* Jacq., Zwartkops River, near Port Elizabeth, *Brunnthaler*.**Buellia praelata** (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 390.

Lecidea praelata Stizenberger (1891) 174, no. 1171.
on bark, Schiffberg Mt., *Wilms* ; on bark of a tree of the family Malvaceae, near Durban
Wilms, Type ; on bark of *Rhus* sp., Hopefield, v. d. Byl 337 (det. Vain.) ; on bark of
shrub undet., Robertson, *Bruwer* (v. d. Byl 409, 410, det. Vain.).**Buellia procellarum** Massal.Massalongo (1861) 64 ; Jatta (1910) 197 ; Zahlbruckner (1926 b) 551, Cat. Lich.
VII : 390.*Lecidea procellarum* Stizenberger (1891) 174, no. 1172.
on various hard rocks, Devil's Peak, *Wawra* ; Boschberg, *MacOwan* ; Löwenberg, *Mac-*
Owan ; near Muizenberg, *MacOwan*.Var. **continuior** Steiner

Zahlbruckner (1926 b) 551.

as *Buellia proserpens* Müll. Arg. var. *continuior* Steiner, Zahlbruckner, Cat. Lich. VII :
390.
on quartzite rocks, Baakens River Valley, Port Elizabeth, *Brunnthaler*, Type.Var. **repens** Steiner

Zahlbruckner (1926 b) 551.

as *Buellia proserpens* var. *repens* Steiner, Zahlbruckner, Cat. Lich. VII : 390.
on sandstone, Genadendal mountains, *Brunnthaler*.**Buellia protothallina** (Krempelh.) Vain.

Zahlbruckner (1932) 272, Cat. Lich. VII : 391.

on sandstone rocks, Van Reenen's Pass, *Brunnthaler* ; near Genadendal, *Brunnthaler* ;
on rocks, Ceres, Leslie (v. d. Byl 462, det. Vain.) ; on quartzite rocks, near Caledon,
Brunthalder.Var. **indissimilis** Vain.

Zahlbruckner, Cat. Lich. VII : 391.

Buellia indissimilis (Nyl.) B. de Lesd., van der Byl (1931) 16.
on stone, Sarnia, *Hean* (v. d. Byl 302, det. Vain.).

Buellia punctata Massal.

Zahlbruckner, Cat. Lich. VII : 392.

Lecidea myriocarpa Röhl., Stizenberger (1891) no. 1179.*Buellia myriocarpa* deNot., van der Byl (1931) 6.

on branches, hills above Maritzburg, *Rehmann*; near Lydenburg and Komatipoort, *Wilms*;
 on trunk of *Pandanus variegata* Bot., Gard., Durban, v. d. *Byl* 31 (det. A. L. Sm.).
 on granite, Lions Head, *MacOwan*.

f. **marcidula** Zahlbr.

Zahlbruckner, Cat. Lich. VII : 397.

Lecidea myriocarpa f. *marcidula* Nyl. apud Crombie (1876 a) 179; Stizenberger (1891) no. 1179; Hue (1891) 139.on rocks, Table Mt., *Eaton*.f. **punctiformis** Hazsl.

Zahlbruckner, Cat. Lich. VII : 398.

Buellia punctiformis (Hoffm.) Massal., van der Byl (1931) 16.on stone, Stellenbosch, v. d. *Byl* 251 (det. Vain.).

on bark of *Protea* sp., Stellenbosch, v. d. *Byl* 345 (det. Vain.); on bark of *Eucalyptus* sp.,
 v. d. *Byl* 377 (det. Vain.).

Var. **aequata** (Ach.) Zahlbr.

Zahlbruckner (1932) 271, Cat. Lich. VII : 400.

Lecanora aequata (Ach.) Stizenberger (1890) no. 666.on siliceous rocks, Poole's Bay, v. d. *Byl* 794; on red rocks, near Lydenburg, *Wilms*.**Buellia pura** Vain.

Vainio (1926) 12; Zahlbruckner Cat. Lich. VIII : 593.

on granite rock, Matopos, v. d. *Byl* 163, Type.**Buellia quaterna** Zahlbr.

Zahlbruckner (1936) 177.

on granite, Springbok, Namaqualand, v. d. *Byl* 1151, Type; Bitterfontein, v. d. *Byl* 1185.**Buellia rhodesiaca** Zahlbr.

Zahlbruckner (1932) 270; van der Byl (1931) 6.

on stone, near Salisbury, *Eyles* (v. d. *Byl* 586) Type.**Buellia rudis** (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 404.

Lecidea rudis Stizenberger (1891) 162, no. 1114.on sandstone rocks, near Muizenberg, *MacOwan*, Type.**Buellia rusticorum** (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 405.

Lecidea rusticorum Stizenberger (1891) 169, no. 1146.on rocks, near Lydenburg, *Wilms*, Type.**Buellia Schinziana** Müll. Arg.

J. Müller-Arg. (1888) 46; Zahlbruckner, Cat. Lich. VII : 410.

Lecidea Schinziana Stizenberger (1891) 175, no. 1173.on quartzite rocks, at top of mountain, Nautilus Point, Angra Pequena, *Schinz*, Type.

Buellia spuria (Schaer.) Anzi

- Zahlbruckner (1926 b) 552, (1932) 272, Cat. Lich. VII : 411 ; van der Byl (1931) 16.
Lecidea spuria Schaer., Crombie (1876 a) 178 ; Stizenberger (1891) 1125.
Buellia antarctica Massalongo (1861) 68.
Buellia antarctica var. *effusa* Massalongo (1861) 69.
 on rocks, Table Mt., *Wawra*, *Eaton*, *MacOwan* ; Boschberg, *MacOwan* ; on sandstone, Genadendal, *Brunnthaler* ; on quartzite, Kloof Neck, *Brunnthaler* ; on siliceous rocks, Hermanus, v. d. *Byl* 790 ; on rock, Klapmuts, v. d. *Byl* 101 (det. Merrill).

Var. **ferruginea** Vain.

- Vainio (1901) 415 ; Zahlbruckner, Cat. Lich. VII : 412.
 on sandstone rocks, top of mountain, Morro de Lopollo, *Welwitsch* 53 pr. p., 54 pr. p.

Var. **insularis** (Massal.) Jatta

- Zahlbruckner (1932) 272, Cat. Lich. VII : 412.
Buellia antarctica var. *insularis* Massalongo (1861) 67.
Lecidea spuria var. *insularis* Stizenberger (1891) 165, no. 1125.
 on rocks, top of Table Mt., *Wawra* ; on sandstone rocks, Poole's Bay, v. d. *Byl* 798.

Buellia stellulata (Tayl) Mudd.

- Steiner (1897) 225 ; Vainio (1901) 414 ; Zahlbruckner (1926 b) 552, Cat. Lich. VII : 413.
Lecidea stellata Tayl., Nylander (1868) 516 ; Stizenberger (1891) 167, no. 1138 ; Hue (1891) 141.
Lecidea minutula Nyl., Crombie (1876 a) 179 ; Stizenberger (1891) no. 1139.
Buellia minutula Arn., ? van der Byl (1931) 16, as *B. minutula* Hepp.
 on primitive rocks, Genadendal, *Brunnthaler* ; on stone, Stellenbosch, v. d. *Byl* 348 (det. Vain.) ; Langbaan, v. d. *Byl* 536 (det. Vain.) ; on hard rock, Cape, *MacOwan* ; Table Mt., *Eaton* ; on sandstone rock, near cataract, Ferrão da Sola, *Welwitsch* 484 pr. p., 11 pr. p. ; Morro de Lopollo, *Welwitsch* 11 b pr. p.

f. **albosparsa** Zahlbr.

- Zahlbruckner, Cat. Lich. VII : 415.
Lecidea stellulata f. *albosparsa* Stizenberger (1891) 167, no. 1138.
 on rocks, near Muizenberg, *MacOwan*.

f. **hybrida** Zahlbr.

- Zahlbruckner, Cat. Lich. VII : 415.
Lecidea stellulata f. *hybrida* Stizenberger (1891) 167, no. 1138.
 on quartzite and sandstone rocks, Table Mt., *MacOwan*.

f. **murina** Zahlbr.

- Zahlbruckner, Cat. Lich. VII : 415.
Lecidea stellulata f. *murina* Stizenberger (1891) 167, no. 1138.
 on rocks, near Muizenberg, *MacOwan*.

Buellia Stizenbergeri Zahlbr.

- Zahlbruckner, Cat. Lich. VII : 415.
Lecidea dispersula Stizenberger (1891) 166, no. 1135.
 on sandstone rocks, near Muizenberg, *MacOwan*, Type.

Buellia subalbula (Nyl.) Müll. Arg.

Vainio (1901) 414 ; Zahlbruckner (1926 b) 552, Cat. Lich. VII : 416.

Lecidea subalbula Nylander (1868) 11 ; Stizenberger (1891) no. 1148 ; Hue (1891) 141.
on scattered calcareous rocks, at top of neck in Serra de Montes Negros, *Welwitsch 2*
pr. p., *12*, *15 pr. p.*, *51 pr. p.*; on tableland between Caroca and Cazimba, *Welwitsch*
52 ; on quartzite, Haifischinseln off Lüderitzbucht, *Fincke*.

Buellia subcinerascens Zahlbr.

van der Byl (1931) 16 ; Zahlbruckner, Cat. Lich. VII : 417.

on wood, Hopefield, *v. d. Byl 340* (det. Vain.).

Buellia subdisciformis Vain.

Vainio (1901) 413 ; Zahlbruckner, Cat. Lich. VII : 418.

Lecidea subdisciformis Leight., Stizenberger (1891) no. 1163.
on trunks of *Apodytes dimidiata* E. Mey., in high forest near Lopollo, *Welwitsch 9, 10* ;
on bark, near Lydenburg, *Wilms*.

Buellia subtristis (Nyl.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 421.

Lecidea subtristis Nyl. apud Crombie (1876 a) 179, (1876 b) 21 ; Hue (1891) 140.
on quartzite rocks, Table Mt., *Eaton*, Type.

Buellia transvaalica (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 424.

Lecidea transvaalica Stizenberger (1891) 168, no. 1144.
on hard rock, near Lydenburg, *Wilms*, Type.

Buellia triplicans Zahlbr.

Zahlbruckner (1932) 271.

on granite rocks, slopes of Table Mt., opposite Camps Bay, *Brunnthaler*, Type.

Buellia vernicoma Tuckerm.

Zahlbruckner, Cat. Lich. VII : 456.

Buellia myriocarpella (Nyl.) Oliv., van der Byl (1931) 16, as *B. myriocapsella* (Nyl.)
Vain.
on stone, Stellenbosch, *v. d. Byl 351* (det. Vain.).

Buellia verruculosa Mudd.

Zahlbruckner, Cat. Lich. VII : 427.

Lecidea ocellata Floerke, Stizenberger (1891) no. 1145.
Buellia rinodinea Massalongo (1861) 63 ; Vainio (1901) 414.
Lecanora microps Stizenberger (1890) 209, no. 645.
Rinodina microphthalma Massalongo (1861) 61:
on basalt rocks, Table Mt., *Wawra* ; on sandstone rocks, top of mountain, Morro de Lopollo,
Welwitsch 53 pr. p., *54 pr. p.*

Buellia viridiatra Zahlbr.

Zahlbruckner, Cat. Lich. VII : 430.

Lecidea viridiatra Stizenberger (1891) 172, no. 1162.
on sandstone rocks, near Muizenberg, *MacOwan*, Type.

Rinodina albocincta Zahlbr.

Zahlbruckner (1936) 178.
on bark, Knysna, *v. d. Byl*, Type.

Rinodina bicolor Zahlbr.

Zahlbruckner (1932) 272.
on siliceous rocks, Mbabane, *Lebzelter*, Type.

Rinodina capensis Hampe

Massalongo (1861) 87 ; Zahlbruckner (1926 c) Pl. 3, f. 10-18, Cat. Lich. VII: 496.
on branches of trees, Cape, *Wawra*.

Rinodina confragulosa Müll. Arg.

J. Müller-Arg. (1887) 79 ; Zahlbruckner, Cat. Lich. VII : 503.
Lecanora confragulosa Nyl. apud Crombie (1876 a) 172 ; Stizenberger (1890) no. 664 ;
Hue (1891) 57.
on sandstone rocks, Table Mt., *Eaton*, Type.

Rinodina conspersa Müll. Arg.

J. Müller-Arg. (1893 b) 298 ; Schinz (1905) 395 ; Zahlbruckner, Cat. Lich. VII :
505.
Lecanora conspersa Stizenberger (1895) 236, no. 660bis.
on stones, near Boroma, *Menyharth 1214*.

Rinodina deminutula (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 508.
Lecanora deminutula Stizenberger (1890) 210, no. 658.
on rocks, Lions Head, *MacOwan*, Type.

Rinodina detecta (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 510.
Lecanora detecta Stizenberger (1890) 213, no. 672.
on granite, in Transvaal mountains, *Wilms*, Type.

Rinodina exigua (Ach.) S. F. Gray.

Zahlbruckner, Cat. Lich. VII : 514.
Lecanora exigua Röhl., Stizenberger (1890) no. 650.
on bark, near Lydenburg, *Wilms*.

Rinodina ficta (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 518.
Lecanora ficta Stizenberger (1890) 210, no. 652.
on bark of a tree of the family Malvaceae, near Durban, *Wilms*.

Rinodina Hüfferiana Müll. Arg.

J. Müller-Arg. (1880 b) 18, (1890) 346 ; Zahlbruckner, Cat. Lich. VII : 521.
Lecanora Hüfferiana Stizenberger (1890) 212, no. 665
Rinodina sophodes var. *Ledienii* Stein (1888) 141
on bark, near Lydenburg, *Wilms*.

Rinodina huillensis Vain.

Vainio (1901) 413 ; Zahlbruckner, Cat. Lich. VII : 521.

Lecanora sophodes Nylander (1886) 514, non Ach.

on rocks near cataract, Ferrao de Lopollo, *Welwitsch* 46 pr. p., 50.

Rinodina microlepida Müll. Arg.

J. Müller-Arg. (1888) 206 ; Zahlbruckner, Cat. Lich. VII : 528.

Lecanora microlepida Stizenberger (1890) 209, no. 646.

on non-calcareous rocks, near Lydenburg, *Wilms*, Type.

Rinodina oreina Mass.

Zahlbruckner, Cat. Lich. VII : 562.

Lecanora oreina Ach., Drège (1843) 86.

on rocks, Paarlberg, *Drège*.

Rinodina roboris Arn.

Zahlbruckner, Cat. Lich. VII : 547.

Lecanora roboris Nylander (1869 a) 7 ; Stizenberger (1890) no. 653.

Lecanora sophodes var. *roboris* Duf., Nylander (1869 a) 7.

on bark, Natal, *Armstrong*.

Rinodina sophodes Massal.

Zahlbruckner, Cat. Lich. VII : 549.

Lecanora sophodes Ach., Drège (1843) 85 ; Stizenberger (1890) nol 657.

on bark and wood, near Lydenburg, *Wilms* ; Paarlberg, *Drège*.

Var. **atroalbida** (Nyl.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 552.

Lecanora sophodes var. *atroalbida* Nylander (1869 a) 7 ; Stizenberger (1890) no. 647 ;

Hue (1891) 56.

on rocks, Durban, *Armstrong* ; Transvaal, *Wilms*.

Rinodina teichophiloides (Stizenb.) Zahlbr.

Zahlbruckner, Cat. Lich. VII : 557.

Lecanora teichophiloides Stizenberger (1890) 212, no. 669.

on quartzite rocks, near Muizenberg, *MacOwan*, Type.

PHYSICIACEAE.

Anaptychia corallophora (Tyl.) Wain.

Zahlbruckner (1932) 275 (as *Physcia corallophora* (Tayl.) Wain) Cat. Lich. VII : 718.

on bark, Grootrivier, Knysna, v. d. *Byl* 899.

Anaptychia granulifera Massal.

Vainio (1901) 409, (1915) 63 ; Zahlbruckner, Cat. Lich. VII : 724.

Physcia hypoleuca var. *granulifera* Hue (1890) 317 ; Stizenberger (1890) no. 430.

Physcia speciosa var. *granulifera* Tuck., Stirton (1877) 215.

South Africa, without locality

Anaptychia hypoleuca Massal.

Zahlbruckner, Cat. Lich. VII : 725.

Physcia hypoleuca Tuckerm., Stizenberger (1890) 179, no. 430.*Physcia speciosa* var. *hypoleuca* Nylander (1860 a) 417 ; Stirton (1877) 215.
on bark, Boschberg, *MacOwan* (S.A. M. 46961).Var. **colorata** Zahlbr.

Zahlbruckner, Cat. Lich. VII : 726.

Pseudophyscia hypoleuca var. *colorata* Zahlbr., Steiner (1907) 641.
on bark, Mt. Mamotsuiri, *Junod* 985 pr. p.**Anaptychia leucomelaena** (Linn.) Wain.

J. Müller-Arg. (1893 a) 510 ; Zahlbruckner, Cat. Lich. VII : 730.

Borreria leucomela Ach., Drège (1843) 133, 146.*Physcia leucomela* Michx., Nylander (1860 a) 414, (1869 a) 6 ; Stirton (1877) 215 ;
Stizenberger (1890) no. 425, (1895) no. 425.*Anaptychia leucomela* Massalongo (1861) 48 ; van der Byl (1931) 16.
on tree trunks and branches, Boschberg, *MacOwan*, 126 ; Cape, *Wawra* ; Pondoland,
Bachmann ; Rhodesia, *Eyles* 834 (v. d. Byl 559) ; on *Acacia Karroo* Hayne, Kentani,
Pegler 1233 (S.A. M. 46954) 128 ; Natal, *Armstrong* ; Mazoe, *Eyles* 471 (S.A. M. 26313) ;
in a damp place in the forest, between ' Gekau ' and ' Basche ', *Drège* ; Enon, *Drège* ;
on mossy ground in Cave Mt., Graaff Reinet, *McLea*.Var. **angustifolia** (Mey. & Flot.) Müll. Arg.

Zahlbruckner, (1932) 275, Cat. Lich. VII : 730.

Physcia leucomela var. *angustifolia* Nylander (1860 a) 415 ; Crombie (1876 a) 170 ;
Stizenberger (1890) no. 425.on bark, van Reenen's Pass, *Brunnthaler* ; on rind of *Portulacaria afra* Jacq. Uitenhage,
Brunnthaler.
amongst mosses on the ground, Table Mt., *Eaton*.Var. **multifida** f. **squarrosa** Wain.

Wainio (1901) 408.

on branches of trees, top of neck in mountains, Serra da Xella, *Welwitsch* 34.**Anaptychia obesa** Zahlbr. f. **caesiocrocata** Zahlbr.

Zahlbruckner, Cat. Lich. VII : 734.

Physcia obesa Pers. f. *caesiocrocata* Nylander (1860 a) 418.*Physcia obesa* f. *tenuior* Stizenberger (1890) no. 432.
Cape of Good Hope.**Anaptychia palpebrata** Wain.

Zahlbruckner, Cat. Lich. VII : 734.

Physcia leucomela var. *subcomosa* Nyl., Stizenberger (1890) no. 425.
on bark, near Lydenburg, *Wilms*.**Anaptychia podocarpa** Massal.

Zahlbruckner, Cat. Lich. VII : 736.

Physcia podocarpa Nyl., Stizenberger (1890 & 1895) no. 426.
on bark, Cape, *Zeyher* ; Natal.

Anaptychia speciosa (Wulf) Massal.

Zahlbruckner, Cat. Lich. VII : 737 ; van der Byl (1931) 16.

Physcia speciosa Nylander (1860 a) 416, (1869 a) 7 ; Stirton (1877) 215 ; Stizenberger (1890) no. 429.

Parmelia speciosa Ach., von Flotow (1843) 27 ; Drège (1843) 155 ; Krauss (1846) 201.

Squamaria speciosa Frege, Massalongo (1861) 54.

amongst mosses, mixed with *Parmelia* sp., Cape, *Wawra* ; Natal, *Armstrong* ; near Constantia, *Krauss* ; between ' Omtendo ' and ' Omsamculo ', *Drège* ; on trunk of **Roystonea regia** O. F. Cook, Berea, Durban, v. d. *Byl* 23, 24 (det. A. L. Sm.) ; Boschberg, *MacOwan* (S.A.M. 46960) ; on rock, Makoni, *Eyles* 834.

f. **sorediosa** Zahlbr.

Zahlbruckner, Cat. Lich. VII : 741.

Pseudophyscia speciosa f. *sorediosa* Müll. Arg. Steiner (1907) 741.

on bark, Mt. Mamotsuiri, *Junod* 985 pr. p.

Var. **esorediata** Wain.

Wainio (1901) 409 ; van der Byl (1931) 16.

on trunks of trees, in high forest, Morro de Lopollo, *Welwitsch* 35 pr. p., 39 ; on branches of **Royena** sp., Howick, v. d. *Byl* 208 (det. Vain.).

Var. **lobulifera** Vain.

Wainio (1901) 409 ; Zahlbruckner, Cat. Lich. VII : 742.

on trunks of **Parinarium** sp., in high forest on mountain, Morro de Lopollo, *Welwitsch* 35 pr. p.

Physcia adglutinata Nyl.

Nylander (1860 a) 428 ; Stizenberger (1890) no. 452 ; J. Müller-Arg. (1893 b) 296 ; Schinz (1905) 393 ; van der Byl (1931) 16 ; Zahlbruckner, Cat. Lich. VII : 585.

on bark, near Lydenburg, *Wilms* ; near Boroma, *Menyharth* 428 ; on tree trunk, Howick, v. d. *Byl* 217 pr. p. (det. Vain.) ; without locality, *Pappe* 8 (S.A.M. 46867).

Var. **pyrithrocardia** Müll. Arg.

J. Müller-Arg. (1880 b) 278, (1893 b) 296 ; Stizenberger (1895) no. 458 ; Schinz (1905) 393 ; Zahlbruckner, Cat. Lich. VII : 588.

on bark, near Boroma, *Menyharth* 264 pr. p.

Physcia adscendens (Fr.) Oliv.

Zahlbruckner (1932) 274, Cat. Lich. VII : 588.

on branches, Stellenbosch, *B. Slabbert* (v. d. Byl 706).

Physcia aegiliata (Ach.) Nyl.

Stizenberger (1890 & 1895) no. 468 ; Hue (1890) 322 ; J. Müller-Arg. (1893 b) 296 ; Steiner (1897) 216 ; Zahlbruckner, Cat. Lich. VII : 580.

Physcia confluens Nylander (1860 a) 430.

on bark of trees, South Africa, *Breutel* ; near Boroma, *Menyharth* 251, 252, 257 ; Transvaal.

Physcia affixa Nyl.

Crombie (1876 a) 170, (1876 b) 19 ; Hue (1890) 321 ; Stizenberger (1890) no. 461 ; Zahlbruckner, Cat. Lich. VII : 589.

on rocks, Table Mt., *Eaton*, Type.

Physcia africana Müll. Arg.

J. Müller-Arg. (1880 a) 33 ; Stizenberger (1890) no. 465 ; Zahlbruckner, Cat. Lich. VII : 580.
on stones, near Lydenburg, *Wilms*.

Physcia aipolia Hampe.

Stizenberger (1890) no. 444 ; Zahlbruckner, Cat. Lich. VII : 590.
on bark, Cape, *Drège* ; Transvaal, *Wilms*.

Var. **acrita** Hue.

Zahlbruckner, Cat. Lich. VII : 593.

Physcia stellaris var. *aipolia* f. *acrita* Nyl., J. Müller-Arg. (1893 b) 296 ; Schinz (1905) 394.
on bark, near Boroma, *Menyharth* 252, 265, 270.

Var. **alnophila** Wain.

van der Byl (1931) 16 ; Zahlbruckner, Cat. Lich. VII : 594.
on trunk of *Acacia saligna* Wendl., Hopefield, v. d. *Byl* 147.

Physcia applanata Zahlbr.

Zahlbruckner, Cat. Lich. VII : 581.

Physcia picta var. *sorediata* Müll. Arg., J. Müller-Arg. (1893 b) 296, (1879) 272, (1880) 33 ; Stizenberger (1890) no. 464 ; Schinz (1905) 580.
on bark, near Boroma, *Menyharth* 263, 267 ; Transvaal, *Wilms*.

Physcia caesia (Hoffm.) Hampe.

Stirton (1877) 215 ; Stizenberger (1890) no. 448 ; van der Byl (1931) 16 ; Zahlbruckner, Cat. Lich. VII : 600.
Parmelia caesia Ach., *Drège* (1843) 141.
on stones, South Africa, without locality ; on concrete of gutter, Berea, Durban, v. d. *Byl* 42 (det. A. L. Sm.) ; ' Glenfilling ', *Drège*.

Physcia clementiana Kickx.

Zahlbruckner, Cat. Lich. VII : 607.

Physcia astroidea Nyl., Stizenberger (1890) no. 446.
on bark, Cape, *Zeyher*.

Physcia crispa (Pers.) Nyl.

Stizenberger (1890) no. 438 ; Zahlbruckner, Cat. Lich. VII : 611.
on bark, Lions Head, *MacOwan*.

f. **melanophthalma** Wain.

Wainio (1915) 67 ; Zahlbruckner (1932) 274, Cat. Lich. VII : 612.
on bark of *Quercus* sp., Genadendal, *Brunnthaler* ; on branches, Victoria Falls, *Brunnthaler*.

Physcia dilatata Nyl.

Stizenberger (1890) no. 439 ; van der Byl (1931) 16 ; Zahlbruckner, Cat. Lich. VII : 613.
on bark, Table Mt., *MacOwan* ; on trunk of *Acacia mollissima* Willd., Howick, v. d. *Byl* 197 (det. Vain.).

Physcia dimidiata Nyl.

Stizenberger (1890) no. 443 ; Zahlbruckner, Cat. Lich. VII : 612.
on bark of pomiferous trees, near Lydenburg, *Wilms*.

Physcia endochrysea Hampe.

Stizenberger (1890) no. 453 ; Zahlbruckner, Cat. Lich. VII : 614.
on bark, Table Mt., *MacOwan*.

Physcia endococcina (Körb.) Nyl.

Stizenberger (1890) no. 454 ; Zahlbruckner, Cat. Lich. VII : 615.
on rocks, Cape, *MacOwan*.

Physcia erythrocardia Wain.

Zahlbruckner, Cat. Lich. VII : 581 ; van der Byl (1931) 17.
Physcia picta var. *erythrocardia* Tuck., Stizenberger (1890) 184, no. 464.
Physcia picta f. *erythrocardia* Stizenberger (1985) no. 464.
on branches, near Lydenburg, *Wilms* ; on trunk of *Fluggea virosa* Baill., Woodbush, v. d. *Byl* 478 det. Vain.).

Physcia hispida (Schreb.) Frege

Zahlbruckner, Cat. Lich. VII : 626.
Physcia tenella DC., van der Byl (1931) 17.
on branches of *Quercus* sp., Ceres, *Leslie* (v. d. *Byl* 447, det. Vain.).

Physcia integrata Nyl.

Stizenberger (1890) no. 440 ; van der Byl (1931) 17 ; Zahlbruckner, Cat. Lich. VII : 636.
on bark, Transvaal, *Wilms* ; on *Populus* sp., Klapmuts, v. d. *Byl* 91 ; on *Roystonea regia* O. F. Cook, Durban, v. d. *Byl* 121 (det. Merl.).

Var. *obsessa* Wain.

van der Byl (1931) 17 ; Zahlbruckner, Cat. Lich. VII : 636.
on tree trunk, Woodbush, v. d. *Byl* 497 (det. Vain.) 510, 518.

Physcia melanocarpoides Vain.

van der Byl (1931) 17, ? nom. nud.
on granite rock, Matopos, v. d. *Byl* 160 (det. Vain.).

Physcia obscura Hampe.

Stizenberger (1890) no. 450 ; Zahlbruckner, Cat. Lich. VII : 653.
Parmelia obscura Fr., Drège (1843) 132, 159.
on bark and rocks, Samteesvlakte, *Drège* ; in bush, " auf der Höhe Omblas ", *Drège*.

Var. *chloantha* Rabenh.

Stizenberger (1890) no. 450 ; Zahlbruckner, Cat. Lich. VII : 657.
on bark, Durban, *Wilms*.

Var. *glaucovirrens* Zahlbr.

Zahlbruckner (1932) 274.
on trunks of trees, Knoetze, Knysna, v. d. *Byl* 656, Type.

Physcia ochroleuca Müll. Arg.

J. Müller-Arg. (1893 b) 296 ; Stizenberger (1895) no. 463 *bis* ; Schinz (1905) 394 ; Zahlbruckner, Cat. Lich. VII : 667.
on bark, near Boroma, *Menyharth* 256.

Physcia picta (Sw.) Nyl.

Stizenberger (1890) no. 464 ; J. Müller-Arg. (1893 b) 286 ; van der Byl (1931) 17 ; Zahlbruckner, Cat. Lich. VII : 582.
? *Parmelia formosa* Fée var. *latifolia* von Flotow (1843) 27 ; Krauss (1846) 201.
on bark of trees, Table Mt. *Wilms*, *Krauss* ; near Lydenburg, *Wilms* ; near Boroma, *Menyharth* 466, 468 ; East London, Pegler (S.A.M. 46942) ; on trunk of *Grevillia robusta* Cunn., Bot. Gard., Durban, v. d. *Byl* 28 (det. A. L. Sm.) ; on trunk of *Roystonea regia* O. F. Cook, Durban, v. d. *Byl* 25 (det. A. L. Sm.) ; on trunk of *Trichilia emetica* Vahl, Berea, Durban, v. d. *Byl* 43 (det. A. L. Sm.).

f. *isidiifera* Nyl.

Zahlbruckner, Cat. Lich. VII : 584 ; (?) van der Byl (1931) 17, as f. *isidiosa*.
on trunk of *Trichilia emetica* Vahl., Berea, Durban, v. d. *Byl* 2 (det. A. L. Sm.).

Physcia pulverulenta (Schreb.) Hampe

Stizenberger (1890) no. 433 ; van der Byl (1931) 17 ; Zahlbruckner, Cat. Lich. VII : 668.
on bark, Transvaal, *Wilms* ; on *Acacia Karroo* Hayne, Kentani, *Pegler* 1228, 129 ; on trunk of *Bauhinia variegata* Linn., Bot. Gard., Durban, v. d. *Byl* 75 (det. A. L. Sm.).

Physcia setosa (Ach.) Nyl.

Nylander (1869 a) 7 ; Crombie (1876 a) 170 ; Stizenberger (1890) no. 462 ; Zahlbruckner (1932) 274, Cat. Lich. VII : 679.
on rocks, ground and bark, Transvaal, *Rehmann*, *Wilms* ; Durban, *Armstrong* ; Boschberg, *MacOwan* ; on rocks Table Mt., *Eaton* ; on bark, World's View, van Reenen's Pass, *Brunnthaler*.

f. *deminuta* Cromb.

Crombie (1876 a) 170 ; Stizenberger (1890) no. 462 ; Zahlbruckner, Cat. Lich. VII : 680.
on rocks, Table Mt., *Eaton*.

f. *virella* B. de Lesd.

Zahlbruckner, (1932) 274, Cat. Lich. VII : 681.
on trunks of trees, Piquietberg, *du Plessis* (v. d. *Byl* 1036).

Physcia stellaris (Linn.) Nyl.

Nylander (1860 a) 424 ; van der Byl (1931) 17 ; Zahlbruckner, Cat. Lich. VII : 681.
Parmelia stellaris Ach., Drège (1843) 132, 124, 138.
on branch of *Punica granatum* Linn., Hopefield, v. d. *Byl* 394 (det. Vain.) ; on trees and rocks, Samteesvlakte, *Drège* ; near Klein and Groot Vischrivier, *Drège* ; Hoffmanskloof, *Drège* ; without locality, *Pappe* 15 (S.A.M. 46872).

Physcia subpicta Nyl.

Crombie (1876 a) 171, (1876 b) 19 ; Hue (1890) 322 ; Stizenberger (1890) no. 467 ; Zahlbruckner, Cat. Lich. VII : 584.
on rock, Table Mt., *Eaton*, Type.

Physcia syncolla Nyl.

van der Byl (1931) 17 ; Zahlbruckner, Cat. Lich. VII : 691.

on trunk of *Bauhinia variegata* Linn., Bot. Gard., Durban, v. d. *Byl* 74 (det. A. L. Sm.) ;
on *Euphorbia* sp., Bot. Gard., Durban, v. d. *Byl* 11 (det. A. L. Sm.) ; on stem of shrub
Robertson, *Bruwer* (v. d. *Byl* 411, det. Vain.).

Physcia tribacoides Nyl.

Stizenberger (1890) no. 452 ; Zahlbruckner, Cat. Lich. VII : 696.

on sandstone rocks, on slopes of Lion's Head, *MacOwan*.

Physcia venustula Stizenb.

Stizenberger (1890) 181, no. 449 ; Zahlbruckner, Cat. Lich. VII : 700.

on bark of trees, near Durban, *Wilms*.

fide Stizenberger (1893) no. 449, " est *Physcia speciosa* var. *dactyliza* Nyl. ", a synonym
for *Anaptychia dactyliza* Zahlbruckner, Cat. Lich. VII : 718.

Physcia zuluensis Vain.

van der Byl (1931) 17 ? nom. nud.

Zululand, *Harris* (v. d. *Byl* 231 pr. p., det. Vain.).

Pyxine Coccoës (Sw.) Nyl.

Nylander (1869 a) 7 ; Stizenberger (1890) no. 470 ; van der Byl (1931) 17 ; Zahlbruckner, Cat. Lich. VII : 569.

on bark, Cape, *Drège* ; Natal, *Armstrong* ; Transvaal, *Wilms* ; on trunk of *Citrus* sp.,
Durban, v. d. *Byl* 1 (det. A. L. Sm.) ; on *Euphorbia* sp., Bot. Gard. Durban, v. d. *Byl* 9,
(det. A. L. Sm.) ; on *Commiphora caryaefolia* Oliv. Berea, Durban, v. d. *Byl* 41 (det.
A. L. Sm.) ; on *Erythrina tomentosa* R. Br., Marandellas, *Eyles* 3957 (v. d. *Byl* 553,
det. Vain.).

on concrete of gutter, Berea, Durban, v. d. *Byl* 44 (det. A. L. Sm.).

Pyxine endoleuca (Müll. Arg.) Vain.

Zahlbruckner (1932) 273, Cat. Lich. VII : 572.

Pyxine Meissneri var. *endoleuca* Müll. Arg., Stizenberger (1890) no. 469 ; J. Müller-
Arg. (1893 b) 297 ; Schinz (1905) 394 ; van der Byl (1931) 17.

on bark, Salisbury, *Eyles* (v. d. *Byl* 1000) ; near Boroma, *Menyharth*.

on rocks, near Lydenburg, *Wilms*.

Pyxine Eschweileri Wain.

van der Byl (1931) 17 ; Zahlbruckner, Cat. Lich. VII : 572.

on *Roystonea regia* O. F. Cook, Durban, v. d. *Byl* 122 (det. Merrill.).

Pyxine Meissneri Tuckerm.

Nylander (1869 a) 7 ; Stizenberger (1890) no. 469 ; van der Byl (1931) 17 ; Zahlbruckner (1932) 273, Cat. Lich. VII : 572.

on bark of tree, Durban, *Armstrong* ; near Salisbury, v. d. *Byl* ; on trunk of *Acrocomia sclerocarpa* Mart., Bot. Gard., Durban, v. d. *Byl* 20 (det. A. L. Sm.) ; on *Euphorbia* sp., Bot. Gard. Durban, v. d. *Byl* 34 (det. A. L. Sm.) ; on *Roystonea regia* O. F. Cook, Durban, v. d. *Byl* 27 (det. A. L. Sm.).

Var. **sorediosa** Müll. Arg.

J. Müller-Arg. (1879) 290, (1893 b) 297, (1894) 262 ; Stizenberger (1895) no. 469 ;
Schinz (1905) 394.

on bark, near Boroma, *Menyharth* 265, 447.

Var. subobscurans Malme.

Wainio (1901) 412 ; Zahlbruckner, Cat. Lich. VII : 573.
on living trunks of *Apodytes dimidiata* E. Mey., in high forest near Lopollo, *Welwitsch 8 pr. p.*

Pyxine petricola Nyl.

Zahlbruckner, Cat. Lich. VII : 574.
on granite rock, Matopos, *v. d. Byl 161* (det. Vain.).

Pyxine rhodesiaca Vain.

Lynge (1937) 90.
on *Ficus* sp., Salisbury, *Eyles 3953* (*v. d. Byl 549*, Type).

LICHENES IMPERFECTAE.**Lepraria alba** Ach.

Juel (1918) 49 ; Zahlbruckner, Cat. Lich. VII : 751.
Lichen albus Roth., Thunberg (1800) 175, (1823) 741.
Lepra lactea DC., Drège (1843) 80.
on rocks, top of Table Mt., *Thunberg* ; du Toits Kloof, *Drège*.

Lepraria candelaris Fr.

Zahlbruckner, Cat. Lich. VII : 757.
Lepraria flava Ach., Drège (1843) 80, 134.
du Toits Kloof, *Drège* ; Hoffmanskloof, *Drège*.

Lepraria citrina Schaer.

Zahlbruckner, Cat. Lich. VII : 671.
Lepra citrina Schaer., J. Müller-Arg. (1983 b) 299 ; Schinz (1905) 396.
near Boroma, *Menyharth 264*.

Lepraria glaucella Ach.

Zahlbruckner, Cat. Lich. VII : 762.
Lepra sulphurea Ehrht., Drège (1843) 763.
'Glenfilling', *Drège*.

Lepraria xanthina Vain.

Vainio (1929) 38 ; Zahlbruckner, Cat. Lich. VII : 770.
Moçambique (Vainio).