

MYXOMYCETES

(MYCETOZOA.)

EXOSPOREAE.

CERATIOMYXACEAE.

Ceratiomyxa fruticulosa Macbr.

Lister (1925) 4; Duthie (1917) 300; van der Byl (1922 d) 282; Hopkins (1938 a) 98.

Ceratiomyxa hydroides Alb. & Schw., Kalchbrenner (1882 b) 27; Sacc. Syll. Fung. IV: 598; Bottomley (1916) 425.*Ceratiomyxa sphaeroideum* Kalchbrenner & Cooke (1880) 22.on decayed wood and bark, Boschberg, *Macowan 1050*, (S.A.M. 33322) & *Macowan 1284*, 22022; Inanda, *Medley Wood 521*, 10179, 9497; Knysna, *Duthie 23*; Stellenbosch, *Duthie*; Potchefstroom, *Goossens*, 27319; Salisbury, *Eyles 4333*.Var. **flexuosa** Lister

Lister (1925) 4; Duthie (1917) 300.

Ceratiomyxa arbuscula Berk. & Br., Torrend (1905) 217.on moist logs and rotten wood, without locality, *Duthie*; near Wonderboom, *Doidge & Bottomley*, 28803; Moçambique (Torrend).Var. **porioides** Lister

Lister (1925) 5.

on rotten wood, South Africa, without locality.

ENDOSPOREAE.

PHYSARACEAE.

Badhamia affinis Rost.

Lister (1925) 16.

on *Passiflora* sp., Schagen, *Liebenberg*, 28805.on *Quercus* sp., old oak bough, Belvidere, Knysna, *Duthie 114*; on dead wood, Knysna, *Duthie 20*.on moss and on bark of dead and living trees, Knysna, *Duthie 147*.**Badhamia foliicola** Listeron dead leaves and twigs, Kaapmuiden, *H. A. Wager*, 7414.**Badhamia macrocarpa** Rost.on *Aloe* sp., decayed stem, Fort Beaufort, *Moore*, 25453.on decayed leaf, Stellenbosch, *Duthie 158*; on bark, Boschfontein, *Doidge & Bottomley*, 30686.**Badhamia nitens** Berk.

Lister (1925) 14.

on dead wood, South Africa, without locality.

Badhamia rubiginosa Rost. var. **dictyospora** Lister

Lister (1925) 19, 20.

on fallen leaves and brushwood, South Africa, without locality.

Badhamia utricularis Berk.

Lister (1925) 12; Van der Byl (1922 d) 282, (1929 b) 101.

Badhamia varia Mass., Cheesman (1909) 413.on tree stumps and on decaying wood, Port Elizabeth, *Cheesman*; East London, *Cheesman*; Stellenbosch, *Duthie 33*; Jonkershoek, *Duthie 96*; Belvidere, Knysna, *Duthie 110*; without locality, *M. Pole Evans*, 14670, 14671, 14672; near Rhodes Memorial, Rondebosch, *J. Acocks*, (E. L. Stephens 377).**Badhamia** sp.

Duthie (1917) 300.

on *Populus* sp., decayed log, Cape Peninsula, *Pocock*, (Duthie 188).
on dead bark, Stellenbosch.**Cienkowskia reticulata** Rost.

Lister (1925) 73.

on dead wood, in poplar bush, Potchefstroom, *Goossens*, 27317; Forest Hall, Knysna, *Duthie 119*; Belvidere, Knysna, *Duthie 117*.**Craterium aureum** Rost.

Lister (1925) 79, 80.

on dead leaves, Cape of Good Hope.

Craterium leucocephalum Ditm. var. **scyphoides** Lister

Lister (1925) 78, 79.

on dead leaves and twigs, Cape of Good Hope.

Craterium minutum Fr.

Lister (1925) 75; Duthie (1917) 303.

Craterium confusum Masee (1892 a) 264.

on leaves and twigs, Natal.

Diachaea leucopoda Rost.Kalchbrenner (1882 a) 143; Cheesman (1909) 413; Lister (1911) 119, (1925) 101;
Masee (1892 a) 260; van der Byl (1922 d) 282; Doidge & Bottomley (1931)
35.*Diachaea elegans* Fr., Lister (1894) 91.on *Fragaria* sp., Potchefstroom, *Saunders*, 20592, 20609; Stellenbosch, *Bulmer*, 9044;
Onderstepoort, *Bisschop*, 33451.*Solanum nigrum* Linn., Garstfontein, *Pienaar*, 2084.on dead and living leaves, dead twigs and bark, Inanda, *Medley Wood 139*, Kew; Rain
Forest, Victoria Falls, *Cheesman*; Swaziland, *Bolus*, 310; Knysna, *Pienaar*, 2349;
The Willows, v. d. Byl, 5603; Garstfontein, *Pienaar*, 6583; Groenkloof, *Bottomley*,
23209; Fountains Valley, *Bottomley*, 20607; De Beers Rust, *Doidge*, 30679 & *Hean*,
30525; Stellenbosch, *Duthie 5*; Rondebosch, *M. A. Pocock* (E. L. Stephe 539).

Diderma effusum Morg.

Duthie (1918) 458; van der Byl (1922 d) 282; Lister (1925) 85.
on dead leaves and twigs, Stellenbosch, *Duthie* 29, 44.

Diderma hemisphericum Hornem

Lister (1925) 84.
on dead leaves and twigs, Forest Hall, Knysna, *Duthie* 58; Stellenbosch, *Loseby* (Duthie 159).

Diderma subdictyospermum Lister

Lister (1911) 101; Duthie (1917) 303.
Chondrioderma subdictyospermum Rost., Lister (1894) 77.
on moss and dead leaves, Cape of Good Hope, Kew.

Fuligo cinerea Morg.

Lister (1925) 69; Hopkins (1938 a) 98.
on **Carica Papaya** Linn., on leaves, Hartley (Rh. 1051).
on bark, in poplar bush, Potchefstroom, *Goossens*, (Duthie 175) 27808; Mountain Ravine, Stellenbosch, *Duthie* 135; on garden soil, Hunters' Road (Rh. 1141).

Fuligo muscorum Alb. & Schw.

on leaves and twigs in poplar grove, De Beers Rust. *Hean*, 30484.

Fuligo septica Gmel.

Lister (1894) 66, (1911) 86, (1926) 66; Duthie (1917) 302; Van der Byl (1922 d) 282; Verwoerd (1931 a) 298.
Aethalium septicum Fr., Berkeley (1876 a) 175.
Fuligo varians Sommerf., Masee (1892 a) 340.
on decayed wood and leaves, Groot Schuur, *Eaton*, Kew; Knysna, *Duthie* 18; Klapmuts, *v. d. Byl* 383, 31719; Stellenbosch and Kirstenbosch, *Duthie*; without locality, Kew; Bloemfontein, *Verwoerd*, and *Potts*, 13005; Clanwilliam, *Duthie*; Newlands, *E. P. Phillips*, (S.A.M. 9553) and *Péringuey*, 9181, 9182; Lion's Head, *M. Pole Evans*, 14478; Deepwalls, *J. Phillips*, 18027, 18152; Pretoria, *Wager*, 24892, *Bottomley*, 17715, *Schweickerdt*, 30524; Brooklyn, *Doidge*, 30683; Daspoort, *Kresfelder*, 9187; Horn's Nek, *Sichel*, 31000; Groenkloof, *Bottomley*, 14527; in poplar bush, Potchefstroom, *Goossens*, 27323, 27325; De Beers Rust, *Doidge*, 30682; Hogsback, *K. M. Putterill*, 30812; Vereeniging, *L. C. Turner*, 9188; Stikland and University Grounds, Rondebosch, *J. Acocks* (E. L. Stephens 169, 541); Johannesburg, *Blackburn*, 32312; Tebetabeng Mill, *Hean*, 33492.

Leocarpus fragilis Rost.

Duthie (1917) 303; van der Byl (1922 d) 282; Lister (1925) 80; Hopkins (1938 a) 98.
on dead leaves and bark: on pine needles, Stellenbosch, *Duthie* 49, 128; Papegaisberg, *Duthie* 140; Stellenbosch, *Niewoudt*, (Stell. 564); Potchefstroom, *Goossens*, 27328; on pine needles and bark, Hogsback, *K. M. Putterill*, 30808; on oak leaves and twigs, Kirstenbosch, *Bottomley*, 24848; on pine needles, Univ. Grounds, Rondebosch, *E. L. Stephens* 538; Salisbury, *Eyles* 6641.

Physarella oblonga Morg.

Lister (1925) 73.
on dead wood, Forest Hall, Knysna, *Duthie* 111.

Physarum auriscalpium Cooke

Lister (1925) 39 ; van der Byl (1922 d) 282, (1929 b) 101 ; Verwoerd (1931 a) 298. on dead wood, south-western Cape, *v. d. Byl* ; Brenton, Knysna, *Duthie* 169 ; on dead pine needles, Bloemfontein, *Verwoerd* ; Stellenbosch, *Duthie* 50 and? *Loseby* (*Duthie* 161).

Physarum bitectum Lister

Lister (1925) 59 ; Macbride (1934) 56. on decaying leaves and wood, Belvidere, Knysna, *Duthie* 107, 27302 ; in poplar bush, Potchefstroom, *Goossens*, 27318.

Physarum bogoriense Rac.

Lister (1925) 58. on dead leaves, Forest Hall, Knysna, *Duthie* 66 ; Belvidere, Knysna, *Duthie* 113.

Physarum cinereum Pers.

Cooke (1879 b) 70, (1880) 14 ; Kalchbrenner (1882 a) 143 ; Sacc. Syll. Fung. VII : 344 ; Lister (1894) 55, (1925) 53 ; *Duthie* (1917) 301 ; Hopkins (1939 a) 10 ; Doidge & Bottomley (1931) 12, 35.
Physarum capense Rost., Masee (1892 a) 309 ; Sacc. Syll. Fung. VII : 344.
 on *Cephalandra* sp., Southern Rhodesia, *Hopkins*.
Cynodon transvaalensis Burt Davy, Arcadia, *Punt*, 16997 ; Sunnyside, *Kresfelder*, 29947.
Cynodon sp., Pietersburg, *Trollope*, 16998 ; Grootfontein, *Gill*, 20359.
Digitaria sp., Beestekraal, *E. du Toit*, 26610.
Euphorbia splendens Boj., Arcadia, *Fouché*, 14636.
Medicago sativa Linn., Pyramids, *Frayne & Maynard*, 14250 ; Ferreira, 21930.
Pennisetum clandestinum Hochst., Cedara, 24880.
Sorghum sp., Pietersburg, *Trollope*, 16999.
 on turf, lucerne, etc., abundant after rain, Inanda, *Medley Wood* 429, 3493, Kew ; on bark, *Medley Wood* 425 ; Natal, Kew ; Somerset East, *MacOwan* ; Knysna and Stellenbosch, *Duthie* ; Arcadia, *van Nouhuys*, 25984 ; Natal, *Duthie* 123, 124 ; Bloemfontein, *Potts* (*Duthie* 151).

Physarum citrinum Schum.

Duthie (1917) 302 ; Sacc. Syll. Fung. VII : 340 ; Lister (1925) 30. on dead wood and leaves, without locality, *Duthie* ; Cape, *MacOwan*, Kew.

Physarum columbinum Sturgis.

Lister (1925) 31.
Physarum compactum Lister, *Duthie* (1918) 456. on dead wood, Cape Province, without locality.

Physarum compressum Alb. & Schw.

Lister (1925) 49. on dead leaves and twigs, widely distributed over Africa ; Winterhoek Mountain, *Rottman* (*Duthie* 155) ; Stellenbosch, *Loseby* (*Duthie* 160).

Physarum confertum Macbr.

on dead bark, Maritzburg, *Rump*, 27633.

Physarum didermoides Rost.

Lister (1894) 54, (1925) 45; Duthie (1917) 301.
on dead wood and leaves, Zululand and Natal, Kew.

Physarum digitatum Farquh. & G. Lister.

Farquharson & Lister (1916) 128; Lister (1925) 65.
on dead wood, Forest Hall, Knysna, *Duthie 112*.

Physarum flavicomum Berk.

Lister (1925) 38.
on dead wood, Knysna, *Duthie 70*.

Physarum gyrosum Rost.

on leaves, twigs and soil in poplar grove, de Beers Rust, *Hean*, 30484.

Physarum javanicum Rac.

Lister (1925) 49.
on dead wood, twigs and grass, Cape Province.

Physarum leucopus Link.

Duthie (1917) 302; Sacc. Syll. Fung. VII: 343; Lister (1925) 24.
on dead leaves, without locality, *Duthie*.

Physarum melleum Mass.

Lister (1925) 25; Duthie (1917) 300; Hopkins (1938 a) 98.
Physarum Kalchbrenneri Massee (1892) 297; Sacc. Syll. Fung. XI: 462.
on wood, Cape, Kew; Forest Hall, Knysna, *Duthie 2*; de Beers Rust, *Doidge*, 30684; on
soil, Salisbury, *Eyles* 6642 (*Duthie 176*).

Physarum mutabile Lister.

Lister (1911) 53, (1925) 32; Duthie (1917) 300.
on dead leaves and stems, Groenkloof, *Pole Evans*, 8763; Belvidere, Knysna, *Duthie 71*.

Physarum nucleatum Rex.

Lister (1925) 43.
on *Salix* sp., dead branch, Maritzburg, *J. M. Sim*, 8804.
on dead wood, Knysna, *Duthie 22, 68, 78*; Forest Hall, Knysna, *Duthie 64*.

Physarum nutans Pers.

Lister (1925) 46; Duthie (1917) 301.
Tilmadoche nutans Rost., Kalchbrenner (1882 a) 143. Sacc. Syll. Fung. VII: 359;
Cheesman (1909) 413.
on dead wood, Somerset East, *MacOwan 1305*; in Palm Kloof, Victoria Falls, *Cheesman*;
Umkomaas, Cheesman; Vereeniging, *Hardenberg*, 1024; in poplar bush, Potchefstroom,
Goossens, 27308, 27314; Jonkershoek, *Duthie 102*; Salisbury, *Eyles* (*Duthie 168*);
Knysna, *Duthie 73, 85, 125*; Nottingham Road, *v. d. Byl 546*, 31809.

Var. leucophaeum Lister.

Duthie (1917) 301.

Physarum leucophaeum Fr., Kalchbrenner (1882 a) 143., Masee (1892 a) 289; Sacc. Fung. VII: 345.on wood, Boschberg, *MacOwan* 1051, 20810; in poplar bush, Stellenbosch, *Duthie* 38; Jonkershoek, *Duthie* 97.**Physarum penetrale** Rex.

Lister (1925) 41.

on charred wood, Knysna, *Duthie* 24.**Physarum pusillum** Lister.

Lister (1925) 44; Duthie (1917) 300; van der Byl (1922 d) 282.

on twigs, dead leaves and bark, south-western Cape, *v. d. Byl*; Hogsback, *K. M. Putterill*, 30809; in poplar bush, Potchefstroom, *Goossens*, 27322; in poplar bush, de Beers Rust, *K. M. Putterill*, 30680; without locality, *Duthie* 37; Stellenbosch, *Duthie* 46; Forest Hall, Knysna, *Duthie* 59, 65, 144; Belvidere, Knysna, *Duthie* 167.**Physarum roseum** Berk. & Br.

Lister (1925) 33.

on dead wood and leaves, South Africa.

Physarum sinuosum Weinm.

Lister (1925) 58; van der Byl (1922 d) 282.

on dead leaves and twigs, Stellenbosch, *Duthie* 48.**Physarum tenerum** Rex.on dead wood in kloof, Boschfontein, *Doidge*, 30685.**Physarum vernum** Sommerf.Lister (1925) 54; van der Byl (1922 d) 282, (1929 b) 101; *Doidge & Bottomley* (1931) 12; *Hopkins* (1938 a) 98.on *Cynodon* sp., Daspoort, *Pole Evans* 94.*Caucus carota* L. var. *sativa* DC., Pretoria, *van der Vyver*, 25507.*Gerbera* sp., Daspoort, *Pole Evans*, 95.on grass, Nylstroom, *Prance*, 12520; Turffontein, 14255; Leeuwdoorns, *Strauss*, 2102; Pretoria, *H. A. Wager*, 5187; and *Acocks*, 30663; Christiana, *Burt Davy*, 2212; Pienaars Poort, *Pole Evans*, 637; Belvidere, Knysna, *Duthie* 1; Salisbury, *Kopkins*, (Rh. 3701) 30802.on bark, Xumeni Forest, *Doidge*, 30851; on dead leaves and twigs, Natal, *Duthie* 120, 122; Baviaans Poort, *C. E. Moss* 98; on soil, Salisbury, *Eyles* 6642.**Physarum viride** Pers.

Duthie (1917) 300; Lister (1925) 35.

Tilmadoche mutabilis Rost., Kalchbrenner (1882 a) 143; Masee (1892) 329.*Tilmadoche viridis* (Gmel.) Sacc. Syll. Fung. VII: 360.on dead wood, Somerset East, *MacOwan*; Forest Hall, Knysna, *Duthie* 60, 115; Brenton, Knysna, *Duthie* 173.

Var. aurantium Lister.

Lister (1925) 36.

on dead wood, Belvidere, Knysna, *Duthie* 10; Forest Hall, Knysna, *Duthie* 116.**Var. incanum** Lister.

Lister (1925) 36.

on dead wood, South Africa.

Trichamphora pezizoidea Jungh.Kalchbrenner (1882 a) 143; Lister (1894) 89, (1911) 90, (1925) 71; *Duthie* (1917) 303.on dead wood, Somerset East, *MacOwan* 1159; Natal.

DIDYMIACEAE.

Didymium difforme Duby*Duthie* (1918) 458; van der Byl (1922 d) 282; Lister (1925) 109.*Chondrioderma difforme* Rost., Cheesman (1909) 412.on dead leaves and decaying herbaceous stalks, in Rain Forest, Victoria Falls, *Cheesman*; Umtali, *Cheesman*; Stellenbosch, *Duthie* 47; Bloemfontein, *Potts* (*Duthie* sine no.).**Didymium melanospermum** Macbr.*Duthie* (1918) 458; Lister (1925) 114-116.*Didymium physaroides* Fr., Kalchbrenner (1882 a) 143; Masee (1892 a) 234.on dead wood, twigs and leaves, especially of Conifers, without locality, *Duthie*; Inanda, *Medley Wood* 198; Pretoria, *Punt*, 17018; Irene, *M. Pole Evans*, 23210.**Didymium nigripes** Fr.*Duthie* (1918) 458; Lister (1925) 116; Hopkins (1938 a) 98.*Didymium microcarpon* Rost., Kalchbrenner (1882 a) 143; Sacc., Syll. Fung. VII: 382.on dead leaves and twigs, Somerset East, *MacOwan*; Salisbury, *Eyles* 4118; Forest Hall, Knysna, *Duthie* 43; Johannesburg, *C. E. Moss* (*Duthie* 154); on pine needles, Papegaaiberg, *Duthie* 142.**Var. eximium** Lister

Lister (1925) 116.

on dead leaves and twigs, Newlands woods *E. L. Stephens* 381.**Var. xanthopus** Lister*Duthie* (1918) 458; Lister (1894) 98, (1925) 116; van der Byl (1922 d) 282.on *Phytolacca* sp., stump, Belvidere, Knysna, *Duthie* 13.on dead leaves and twigs, Stellenbosch, *Duthie* 42, 56, 109; Pretoria, *Duthie* 74.**Didymium squamulosum** Fr.*Duthie* (1918) 458; Lister (1925) 117.*Didymium leucopus* Fr., Kalchbrenner (1882 a) 143.on dead leaves, Somerset East, *MacOwan*; Belvidere, Knysna, *Duthie* 108, 108 a; Knysna, *Duthie* 25, 67; Forest Hall, Knysna, *Duthie* 171; Zwartkop Forest, Natal, *Duthie* 57; Stellenbosch, *Loseby* (*Duthie* 160 a); on old sedge leaves, without locality, *Duthie* 163

Mucilago spongiosa Morg.

Duthie (1918) 459 ; Lister (1925) 123.

Spumaria alba DC., Masee (1892 a) 257.on grass and dead leaves, Stellenbosch, *Loseby*, 27303 ; Stellenbosch, *Duthie* 157.

STEMONITACEAE.

Comatricha irregularis Rex? on dead wood and bark, Xumeni Forest, *Doidge*, 30852.**Comatricha longa** Peck

Duthie (1917) 306 ; Lister (1925) 148.

on dead wood, Cape and South-West Africa (Brit. Mus.) ; Knysna, *Duthie* 21.**Comatricha nigra** Schroet.

Lister (1925) 141 ; van der Byl (1922 d) 282, (1929 b) 101.

Stemonitis Friesiana de Bary, Cheesman (1909) 412.on dead wood, Bloemfontein, nr. Sannah's Post, *Cheesman* ; Stellenbosch, *Duthie* 36, 86, 136 ; Newlands, *E. L. Stephens* 378.Var. *alta* Lister

Lister (1925) 142.

on dead wood, Cape.

Comatricha tenerrima G. Lister? on dead twig, Tebetabeng Mill, *Hean*, 33493.**Comatricha typhoides** Rost.

Duthie (1918) 458 ; Lister (1925) 145.

on decayed wood, in poplar bush, Potchefstroom, *Goossens*, 27311 ; Belvidere, Knysna, *Duthie* 6 ; Brenton, Knysna, *Duthie* 91 ; Kirstenbosch, *Duthie* 31 ; Nottingham Road, v. d. *Byl* 545, 31808.**Enerthenema papillatum** Rost.? on dead wood, along Aapies R., near Zoo, Pretoria, *Scott*, 33769.**Lamproderma scintillans** Morg.

Duthie (1917) 306 ; van der Byl (1922 d) 282 ; Lister (1925) 153.

on moss and roots of epiphytic orchids in greenhouse, Stellenbosch, *Duthie* ; ? on dead leaves in poplar bush, Potchefstroom, *Goossens*, 27321.**Lamproderma violaceum** Rost.? on dead wood, Town Bush Valley, *Rump*, 29539.**Stemonitis ferruginea** Ehrenb.

Duthie (1918) 458 ; Lister (1925) 138.

on dead wood and bark, Forest Hall, Knysna, *Duthie* 93 ; Hogsback, *K. M. Putterill*, 30810 ; Newlands, *E. L. Stephens* 379.

Stemonitis fusca Roth.

Berkeley (1876 a) 175; Kalchbrenner (1882 a) 143; Massee (1892 a) 73; Cheesman (1909) 412; Lister (1925) 132; van der Byl (1920 b) 101; Verwoerd (1931 a) 298.

on decaying wood, Maritzburg, *Cheesman*; Somerset East, *MacOwan 1173*, 20948 (S.A.M. 33338); Inanda, *Medley Wood 206*, 10655; Groot Schuur, *Eaton*; south-western Cape, *v. d. Byl*; on decaying organic matter in silo, Bloemfontein, *Verwoerd*.
on timber in storage, Exchange Yard, Johannesburg, (T.R.L. 1423).

Stemonitis herbatica Peck

Duthie (1918) 458; Lister (1925) 137; Hopkins (1938 a) 98.
on *Nicotiana tabacum* Linn., seedlings, Salisbury, *Jack*, 5190.
on dead wood and leaves, Salisbury, *Duthie 76*; Forest Hall, Knysna, *Duthie 11*.

Stemonitis pallida Wingate

on bark and wood, Hogsback, *K. M. Putterill*, 30811.

Stemonitis splendens Rost.

Duthie (1918) 458; Lister (1894) 114, (1911) 145, (1925) 135; van der Byl (1922 b) 282.

Stemonitis acuminata Massee (1892 a) 78; Sacc. Syll. Fung. XI: 467.

Stemonitis maxima Massee (1892 a) 74.

on decayed wood, Natal, *Medley Wood 206*, Kew; Table Mt., *Eaton*, Kew; Kentani, *Pegler 2457*, 11522; Deepwalls, *J. Phillips*, 18154; Pretoria, *Pole Evans*, 8824; Wonderboom, *Roberts*, 2550; Schagen, *Liebenberg*, 28518; Buccleuch, *Leighton*, 11527; Xumeni Forest, *Doidge*, 30850; Stellenbosch, *Duthie 150, 153*; Cape, *MacOwan 1173* Kew; Brenton, Knysna, *Duthie 87*; Pretoria Distr., *Duthie 75*; Kirstenbosch *E. L. Stephens 540*; Klapmuts, *v. d. Byl 382*, 31718; Buffelspoort, *Turner*, 33594.

Var. **Webberi** Lister

Duthie (1918) 458; Lister (1894) 112, (1925) 135; van der Byl (1922 d) 282.
on dead wood, Stellenbosch, *Duthie*; near Gwelo, *E. L. Stephens*.

AMAUROCHAETACEAE.

Amaurochaete fuliginosa Macbr.

on dead coniferous wood, Newlands, *Péringuey*, 9183, *E. P. Phillips* (S.A.M. 9554); Potchefstroom, *Goossens*, 27327; Bloemfontein, *Potts*, 13006; Pretoria, *Davison*, 15460; Irene, *M. Pole Evans*, 17086.

HETERODERMACEAE.

Cribraria argillacea Pers.

Duthie (1917) 307; Lister (1925) 170; van der Byl (1922 d) 282.
on dead coniferous wood, Papegaaiberg, Stellenbosch, *Duthie 25*; Belvidere, Knysna *Duthie 127*.

Cribraria intricata Schrad.

Lister (1925) 174; van der Byl (1929 b) 101.
on dead wood, Belvidere, Knysna, *Duthie 14*.

Cribraria tenella Schrad.

Lister (1925) 175.
on dead wood, Forest Hall, Knysna, *Duthie* 130.

Dictydium cancellatum Macbr.

Duthie (1917) 307; Lister (1925) 179; van der Byl (1922 d) 282.
on dead wood and moss, Knysna and Stellenbosch, *Duthie* 25; Kentani, *Pegler* 2416,
11239; Potchefstroom, *Goossens*, 27312, 27313; near Wonderboom, *Doidge & Bottomley*
28736.

TUBULINACEAE.

Tubifera ferruginosa Gmel.

Duthie (1918) 458; Lister (1925) 187.
Tubulina cylindrica DC., Lloyd (1917 a) L. 65: 4.
on dead wood, Palm Grove, Victoria Falls; without locality, *Duthie* 160.

RETICULARIACEAE.

Dictydiaethalium plumbeum Rost.

Duthie (1917) 307; Lister (1925) 191; van der Byl (1922 d) 282.
on dead wood and twigs, Rain Forest, Victoria Falls, *Duthie* 39; Stellenbosch, *Duthie* 53.

Reticularia Lycoperdon Bull.

Duthie (1917) 307; Lister (1925) 195; van der Byl (1922 d) 282.
on dead coniferous wood, Knysna, *Duthie* 19; Stellenbosch, *Duthie* 34; Kirstenbosch.
Duthie; Claremont, *Duthie* 26; on dead wood, in poplar bush, Potchefstroom, *Goossen*,
27326; on dead wood, University Grounds, Rondebosch, *J. Acocks*, (E. L. Stephens 537),

LYCOGALACEAE.

Lycogala epidendrum Fr.

Kalchbrenner (1882 a) 143; Sacc. Syll. Fung. VII: 335; Massee (1892 a) 122;
Duthie (1917) 308; van der Byl (1922 d) 282; Lister (1925) 199.
on dead wood, Somerset East, *MacOwan* 1191 (S.A.M. 33325); Knysna and Stellen-
bosch, *Duthie*; Rondebosch, *E. L. Stephens*, 26848; University Grounds, Rondebosch,
M. A. Pocock, (E. L. Stephens 385); Pretoria, *Fouché*, 15507; Potchefstroom, *Gunn*,
30514; Town Bush Valley, *Rump* 51, 27653.

Lycogala flavo-fuscum Rost.

Duthie (1918) 458; van der Byl (1922 d) 282; Lister (1925) 198.
on dead wood, Stellenbosch, *Duthie* 100, 133; Stikland, *J. Acocks*, (E. L. Stephens 535).

Lycogala rufo-cinnamomeum Mass.

Massee (1892 a) 125; Lister (1925) 260.
on wood, South Africa. (Fide Lister, i.e., this a fungus.)

TRICHIACEAE.

Hemitrichia clavata Rost.

Duthie (1917) 308; Lister (1894) 177, (1925) 221.
Hemiarocyria clavata Rost., Kalchbrenner (1882 a) 143; Medley Wood (1898) 17;
Sacc. Syll. Fung. VII: 447.

on dead wood, Somerset East, *MacOwan 1128, 1172*; Knysna and Clanwilliam, *Duthie*; Hogsback, *K. M. Putterill, 30807*; Pretoria, *Bottomley, 11536*; in poplar bush, Potchefstroom, *Goossens, (Duthie 186) 27309, 27315*; De Beers Rust, *Doidge, 30681*; Kaapmuiden, *H. A. Wager, 7728*; Natal, *Medley Wood 529, 10402*, Kew; Belvidere, Knysna, *Duthie 9 a*; Flynn's Bridge, Knysna, *Duthie 9*.

Hemitrichia Serpula Rost.

Lister (1925) 224, 225; Duthie (1917) 308.

Arcyria Serpula Mass., Cheesman (1909) 412.

on dead wood, Boschberg, *MacOwan 1168, (S.A.M. 33332)*; Victoria Falls, *Cheesman* and *Duthie*; Brenton, *Duthie 17*; East London, *Cheesman*; Deepwalls, *Bottomley, 30773*; Winters Kloof, *Doidge, 1848*; Xumeni Forest, *Morgan & Doidge, 30266*; in poplar bush, Potchefstroom, *Goossens, 27324*; Inchanga, in bush, *Akerman (Duthie)*; Nottingham Road, *v. d. Byl 548, 31810*.

Hemitrichia Vesparium Macbr.

Lister (1925) 218.

on dead wood in poplar bush, Potchefstroom, *Goossens, 27306*.

Trichia affinis de Bary

Duthie (1918) 458; Lister (1925) 205.

on decayed wood and moss, in poplar bush, Potchefstroom, *Goossens, 27316*; Xumeni Forest, *Morgan & Doidge, 30259*; on pine needles, Papegaaiberg, *Duthie 141*, Forest Hall, Knysna, *Duthie 30*.

Trichia Botrytis Pers.

Duthie (1917) 308.

Trichia fragilis Rost., Masee (1892 a) 176; Sacc. Syll. Fung. VII: 440.

on dead wood, Boschberg, *MacOwan 1169 (S.A.M. 33331)*.

Trichia favoginea Pers.

on *Eucalyptus globulus* Lab., dead wood, Keiskama Hoek, *v. d. Byl, 11537*.

Trichia persimilis Karst.

Duthie (1917) 308; Lister (1925) 205.

Trichia Balfourii Masee (1892 a) 186; Sacc. Syll. Fung. X: 95.

on dead wood and leaves, Cape, Kew; Xumeni Forest, *Morgan & Doidge, 28908*; Forest Hall, Knysna, *Duthie 61, 143*; Belvidere, Knysna, *Duthie 3, 134*.

Trichia scabra Rost.

Kalchbrenner (1882 a) 143; Duthie (1917) 308; Lister (1925) 206.

on dead wood and leaves, Somerset East, *MacOwan, Kew*.

Trichia varia Pers.

Lister (1925) 207.

Trichia turbinata Sow., Bottomley, (1916) 425.

on decaying wood, Boschberg, *MacOwan 1128, 20836, (S.A.M. 33334)*; Natal, *Medley Wood 463, 10640*; in woods near Newlands, *E. L. Stephens, (Duthie 180)* and *Sydney Wanton (E. L. Stephens 375)*.

ARCYRIACEAE.

Arcyria cinerea Pers.

Kalchbrenner (1882 a) 143; Masee (1892 a) 152; Sacc. Syll. Fung. VII: 427; (1917) 309; van der Byl (1922 d) 283; Lister (1925) 231.

on dead wood, Somerset East *MacOwan 1049*; Cape, Kew; Hogsback, *K. M. Putterill, 30813*; Town Bush, *Rump, 27530*; in poplar bush, Potchefstroom, *Goossens, 27307*; De Beers Rust, *K. M. Putterill, 30688*; Stellenbosch, *Duthie*; Knysna, *Duthie 92*; Forest Hall, Knysna, *Duthie 79*; Jonkershoek, *Duthie 104*.

***Arcyria denudata* Wettstein**

Duthie (1917) 309; Lister (1925) 235; van der Byl (1922 d) 283; Simpson & Talbot (1946) 132.

Arcyria punicea Pers., Cooke (1879 b) 70; Kalchbrenner (1882 a) 143; Massee (1892 a) 143; Sacc. Syll. Fung. VII: 426.

on *Euphorbia* sp., dead plant, Blaauwkrantz Kloof, *Cruden, 14246*.

Olea sp., dead stumps, Qudeni Forest, *Simpson & Talbot, 34932*.

Pinus sp., dead log, Meintjies Kop, *Punt, 14526*.

on dead wood and bark, Inanda. *Medley Wood 183, 322, 10200*, Kew; Boschberg, *MacOwan 1127*, (S.A.M. 33329) 20923, Kew; in poplar bush, Potchefstroom *Goossens, 27304, 27305*; De Beers Rust, *K. M. Putterill, 30677*; and *Doidge 30678*; Town Bush, *Rump 158, 27779*; Hogsback, *K. M. Putterill, 30306*; Jonkershoek, *Duthie 98, 103*; Brenton, Knysna, *Duthie 88, 89*; Belvidere, Knysna, *Duthie 77, 165*; Newlands Woods, *Sydney Manton* (E. L. Stephens 200); Otto's Bluff, *Rump, 33752*.

***Arcyria incarnata* Pers.**

Duthie (1918) 458; Lister (1925) 237.

on dead wood, Kirstenbosch, *Duthie 54*.

***Arcyria insignis* Kalchbr. & Cooke**

Kalchbrenner (1882 a) 143; Sacc. Syll. Fung. VII: 432; Lister (1894) 188, (1925) 236; Massee (1892 a) 148; Duthie (1917) 309.

on dead wood, Natal, *Medley Wood 49*, Kew; Somerset East, *MacOwan*, Kew; Brenton, Knysna, *Duthie 32*.

***Arcyria nutans* Grev.**

Duthie (1917) 309; van der Byl (1922 d) 283; Lister (1925) 239.

on dead wood, Forest Hall, Knysna, *Duthie 8*; Newlands Woods, *E. L. Stephens 380, 536*.

***Arcyria Oerstedtii* Rost.**

Lister (1925) 239; van der Byl (1922 d) 283, (1929 b) 101.

on dead wood, Brenton, Knysna, *Duthie 90*; on soil, Stellenbosch, *Duthie 28*.

***Arcyria pomiformis* Rost.**

Kalchbrenner (1882 a) 143; Duthie (1917) 309; Lister (1925) 233.

on dead wood, Somerset East, *MacOwan*; Knysna, *Duthie 40*.

***Perichaena corticalis* Rost.**

Duthie (1917) 310; Lister (1925) 246.

Perichaena populina Fr., Montagne (1847) 176.

on dead wood and bark, Buffelsrivier, *Drege*; Clanwilliam, *Duthie*; Knysna, *Duthie 164*; Stellenbosch, *Duthie 45*.

***Perichaena depressa* Lib.**

Torrend (1905) 217; Duthie (1917) 310; Lister (1925) 244.

on dead wood and bark, Moçambique, Brit. Mus.; Knysna, *Duthie 84*; Moçambique (Torrend).