

DEUTEROMYCETAE.
(FUNGI IMPERFECTI).

SPHAEROPSIDALES.

SPHAERIOIDACEAE.

HYALOSPORAE.

Asteroma pallidum Kalchbr.

? nomen nudum.

on *Cynanchum ellipticum* (Harv.) R. A. Dyer, Boschberg, *MacOwan* 1329 (S.A.M. 35104).

Ceuthospora Oleae Kalchbr. & Cooke

Kalchbrenner & Cooke (1880) 19 ; Sacc. Syll. Fung. III : 278.

on *Olea capensis* Linn., Somerset East, *MacOwan* 1333, Type, 22033, Kew.

Cicinnobolus Cesatii de Bary

on *Erysiphe cichoracearum* DC., on *Cucurbita Pepo* Linn., Skinner's Court, *Pole Evans*, 2193.

Sphaerotheca fuliginea (Schlecht.) Salm., on *Coreopsis* sp., Kingwilliamstown, *Nel*, 33376.

Uncinula necator (Schw.) Burr., on *Vitis vinifera* Linn., Pretoria, 754.

Oidium sp., on *Cassia* sp., Nelspruit, *Wager*, 26205.

Coleophoma Oleae (DC.) Petrak & Syd.

Septoria Oleae Dur. & Mont., von Thuemen (1878 a) 357.

on *Olea africana* Mill., Boschberg, *MacOwan* 1294.

Cytospora Australiae Speg.

Doidge & Bottomley (1931) 23.

on *Eucalyptus viminalis* Labill., Wellington, *Taylor*, 13072.

Cytospora chrysosperma (Pers.) Fr.

see *Valsa sordida* Nitschke.

Cytospora foliicola Lib.,

Ceuthospora foliicola Lib., Kalchbrenner (1882 a) 146.

on decaying leaves, Somerset East, *MacOwan*.

Cytospora leucostoma Sacc.

Pole Evans (1913 b) 174 ; van der Byl (1915 a) 545-557 ; Verwoerd (1929 b) 6, (1931 a) 300 ; Doidge & Bottomley (1931) 7, 9, 47, 51.

see also *Valsa leucostoma* (Pers.) Fr.

on *Prunus Armeniaca* Linn., Heilbron, *Naudè*, 21051, Kew ; Swinburne, van der Byl ; Bloemfontein, *E. G. Smith*, 33985.

Prunus avium Linn., Wargundy Estates, *Bottomley*, 20617.

Prunus persica Sieb. & Zucc., Cedara, *Gill*, 33255 ; Heilbron, *Naudè*, 21050, Kew ; Bloemfontein, *Verwoerd*.

Prunus salicina Lindl. and hybrids, Grootfontein, *v. d. Byl*, 2547 ; Swinburne, *v. d. Byl* ; Henley-on-Klip, *Life*, 21253 ; *Higginson*, 21585.

Pyrus malus Linn., Villiersdorp, *Cresswell*, 26704 ; Great Brak River, *Mally*, 5583 ; Maclear, *Pienaar*, 2154 ; Stormsvlei, *Groenewald* (Stell. 383) ; Stellenbosch, *Verwoerd* (*v. d. Byl* 889) ; Somerset West, *Verwoerd* (*v. d. Byl* 1712) ; Pretoria, *Bottomley*, 23346 ; Johannesburg, *Rocher*, 17791, *Ordish*, 25983 ; Magaliesberg, *Pole Evans*, 21083 ; Pietersburg, *Munnik*, 7091 ; Muden, *Röttcher*, 7734 ; Harrismith, *Petty*, 8831 ; Swinburne, *v. d. Byl* ; Wargundy Orchards, 27691 ; Bethlehem, *v. d. Merwe*, 27266 ; Parys, *Horn*, 14681 ; Bloemfontein, *Verwoerd* ; Elgin, *v. d. Byl* (Stell. 1081) ; Salisbury (Rh. 973) ; Rusapi and Inyanga, *Hopkins*.

Cytospora Sacchari Butl.

on *Saccharum officinarum* Linn., Mt. Edgecombe, *McMartin*.

Cytospora verrucula Sacc. & Berl.

on *Acacia* sp., Kenilworth, *H. H. W. Pearson* (record at Kew).

Cytospora Aloes du Pless.

du Plessis (1933 f) 207 ; Nel (1942) 101.

on *Aloe mitriformis* Mill., Stellenbosch, *du Plessis* (Stell. 806, 995 ; *v. d. Byl* 2723) Type.

Dothiopsis Stangeriae Verw. & du Pless.

Verwoerd & du Plessis (1933) 225 ; Nel (1942) 107.

on *Stangeria eriopus* Nash, Univ. Bot. Gard., Stellenbosch, *du Plessis* (Stell. 654 ; *v. d. Byl* 2669) Type.

Dothiorella congesta (Lév.) Sacc.

Saccardo Syll. Fung. III (1884) 241.

Sphaeropsis congesta Lévillé (1845) 62.

on *Podocarpus* sp., without locality, *Drège*.

Dothiorella mali Ell. & Everh.

Doidge & Bottomley (1931) 6.

see *Botryosphaeria Ribis* (Tode ex Fr.) Gross. & Dugg. var. *chromogena* Shear et. sl.

Dothiorella reniformis Vi. & Rav.

on *Vitis vinifera* Linn., Banhoek, *Buller* (Stell. 662).

Dothiorella Senecionis (Alm. & Cam.) Petrak

du Plessis (1933 f) 207.

on *Senecio* sp., Stellenbosch, *du Plessis* (Stell. 815).

Fusicoccum africanum *v. d. Byl*

van der Byl (1927) 226 ; *Verwoerd* (1929 b) 5 ; Doidge & Bottomley (1931) 6 ; Nel (1942) 102

on *Pyrus malus* Linn., Stellenbosch, *v. d. Byl* 2436, Type and *Verwoerd* (Stell. 317).

Fusicoccum viticolum Reddick

du Plessis (1938) 1, (1940) 16.

on *Vitis vinifera* Linn., Stellenbosch and Somerset West, *du Plessis* ; Constantia, *Fouché*, 30481.

Macrophoma Agapanthi Trav.

Doidge & Bottomley (1931) 4.

on **Agapanthus africanus** Hoffm., Pretoria, *Doidge*, 30657 ; Durban, v. d. Byl, 11027 ;
Jutland, *Bottomley*, 9684.

Macrophoma Aloës Scalia

du Plessis (1933 f) 208 ; Nel (1942) 102.

on **Aloe affinis** Berg., Stellenbosch, *du Plessis* (Stell. 811).

Aloe mitriformis Mill., Stellenbosch, *du Plessis* (Stell. 805, v. d. Byl 2716, 2719).

Aloe striatula Haw., Stellenbosch, *du Plessis* (Stell. 817).

Aloe variegata Linn., Stellenbosch, *du Plessis* (Stell. 784 ; v. d. Byl 2683).

Aloe spp., Stellenbosch, *du Plessis* (Stell. 663, 809, 816 ; v. d. Byl 2684, 2717).

Macrophoma Artemisiae (Kalchbr. & Cooke) Berl. & Vogl.

Berlese & Voglino (1886 b) 195 ; Petrak & Sydow (1926) 119.

Phoma Artemisiae Kalchbrenner & Cooke (1880) 18 ; Sacc. Syll. Fung. III : 123.

on **Artemisia** sp., Somerset East, *MacOwan 1399*, Type.

Petrak & Sydow (l.c.) found a *Leptosphaeria* and a typical, well-developed *Phomopsis* sp., on the type collection in Berlin Museum.

Macrophoma cattleyicola P. Henn.

Verwoerd & du Plessis (1933) 226 ; Nel (1942) 102.

on **Scuticaria Hadwenii** Hort. ex Planch., Stellenbosch, *du Plessis* (Stell. 632 ; v. d. Byl 3693).

Fide Petrak & Sydow (1926) 120, the type specimen of *Macrophoma cattleyicola* P. Henn., is a *Colletotrichum*.

Macrophoma Clematidis Togn.

on **Clematis montana** Buch.-Ham., Wynberg, *Cloete*, 5667.

Macrophoma curvispora Peck.

on **Pyrus malus** Linn., twigs, Pietersburg, v. d. Byl, 28876.

Macrophoma Dryopteris Verw. & du Pless.

Verwoerd & du Plessis (1931) 291.

on **Dryopteris** sp., Stellenbosch, *du Plessis* (Stell. 475) Type.

Macrophoma Falconieri P. Henn.

Verwoerd & du Plessis (1932) 314.

on **Rhododendron** sp., Rosebank (Stell. 588).

Doubtful species, see Petrak & Sydow (1926) 122.

Macrophoma Oleae Berl. & Vogl.

on **Olea europaea** Linn., Elsenburg, *Dippenaar*.

Macrophoma sp.

Hopkins (1930) 536.

on **Hydrangea opuloides** Koch, Rhodesia, *Hopkins*.

Macrophomina limbalis Syd.

H. Sydow (1924 c) 430 ; van der Byl (1925 b) 196 ; Nel (1942) 102.

on *Sideroxylon inerme* Linn., Mossel Bay, *van der Byl* 1333, Type.

Macrophomina Phaseoli (Maubl.) Ashby

Wickens (1937) 690 ; Hopkins (1938 a) 116, (1939 a) 12, 13, 19, 21, 23, 26, (1943) 185.

as *Rhizoctonia bataticola* (Taubenh.) Butler, Hopkins (1929) 139.

on *Citrus Limonia* Osbeck, Umtali (Rh. 998) ; Mazoe, *Hopkins*.

Citrus sinensis Osbeck, Mazoe (Rh. 679, 680, 918) ; on decayed Valencia Late orange trees, Mazoe, *Bates* 99, 34025.

Eucalyptus spp., Maryland (Rh. 38) ; Umvukwes (Rh. 253) ; Zenega (Rh. 564).

Gossypium sp., Gatooma, *Hopkins*.

Glycine Max Merr., Salisbury (Rh. 1278, 2314).

Ipomoea batatas Lam., Bromley (Rh. 3052).

Musa paradisiaca L. var. *sapientum* Kuntze, Rhodesia, *Wickens*.

Phoma Agapanthi (Thuem.) Sacc.

on *Agapanthus* sp., Elsenburg, *Dippenaar* (Stell. 845).

Phoma Betae (Oud.) Frank

Verwoerd (1929 b) 8 ; Doidge & Bottomley (1931) 12 ; Verwoerd (1931 a) 301.

on *Beta vulgaris* Linn., Bloemfontein, *Verwoerd* ; Stellenbosch, *Verwoerd* ; Transvaal, *Doidge & Bottomley*.

Phoma citricarpa McAlp.

Doidge (1929 b) 324 ; Doidge & Bottomley (1931) 43 ; Doidge & van der Plank (1936) 22 ; Fawcett (1936) 524 ; U.S. Dept. Agric. (1942) 45, (1944) 31.

on *Citrus Limonia* Osbeck, fruit, Chase Valley, *English*, 32689 ; Verulam, *Wager*, 34563.

Citrus maxima Merr., fruit, intercepted in U.S.A. on material from South Africa.

Citrus nobilis Lour. var. *deliciosa* Sw., Chase Valley, *McFie*, 23632.

Citrus sinensis Osbeck, fruit and leaves, Town Bush Valley, 28540, *Wager*, 32700, *Carter*, 26084 ; Maritzburg, 33245 ; Chase Valley, *Wager*, 32755, 33190, *McFie*, 23633, 26089, *English*, 32690 ; Richmond & Umkomaas Valley, *Wager*.

Phoma cyclospora Sacc.

du Plessis (1933 f) 209 ; Nel (1942) 102.

on *Euphorbia* sp., Stellenbosch, *du Plessis* (Stell. 798 ; v. d. Byl 2705).

Phoma destructiva Plowr.

Doidge & Bottomley (1931) 63 ; Hopkins (1938 a) 116, (1949 a) 25.

on *Lycopersicum esculentum* Mill., on fruit, fairly common in the Union of South Africa, *Doidge & Bottomley* ; Salisbury, *Hopkins* (Rh. 1702, 3742) ; Jamieson, *Hopkins* ; Somerset East, *Tepper*, 2297.

Phoma Fici-caricae Verw. & du Pless.

Verwoerd & du Plessis (1932) 315.

on *Ficus carica* Linn., Stellenbosch (Stell. 599) Type.

Phoma flaccida McAlp.

Eyles (1926) 633.

on **Citrus sinensis** Osbeck, Mazoe, *Eyles*.**Vitis vinifera** Linn., Sycamore, *S. W. du Toit*, 27298.**Phoma Gaillardiae** du Pless.

du Plessis (1933 c) 3, 11 ; Nel (1942) 102.

on **Gaillardia pulchella** Foug., Stellenbosch, *du Plessis* (Stell. 786 ; v. d. Byl 2706) Type.**Phoma Geasteropsisidis** Hollós

Hollós (1907) 280 ; Sacc. Syll. Fung. XXII : 897.

on **Geasteropsis Conrathii** Hollós, Modderfontein, Johannesburg, *Conrath*, Type.**Phoma glumarum** Ell. & Tracyon **Oryza sativa** Linn., Umhlatuzi Valley, *Wager*, 33955.**Phoma insidiosa** Tassi

Hopkins (1938 a) 116, (1939 a) 44.

on **Sorghum sudanense** Stapf, Salisbury, *Eyles* 4995.**Phoma Lantanae** Verw. & du Pless.

Verwoerd & du Plessis (1933) 228.

on **Lantana Camara** Linn., Stellenbosch, *Verwoerd* (Stell. 629), Type.**Phoma lingam** Desm.

Doidge & Bottomley (1931) 15.

Phoma oleracea Sacc., Doidge & Bottomley, l.c.*Phoma Brassicae* Thuem., Hopkins (1938 a) 116, (1939) 8.on **Brassica oleracea** Linn., Daspoort, *Wager*, 25343 ; Wonderfontein, *Long*, 28588 ; Cedara, *Wager* ; Polela Distr., *Gordon*, 6676 ; Bietfontein, *J. Dyer*, 18160 ; Salisbury (Rh. 744).**Brassica oleracea** var. *acephala* DC., south-west Cape, *Dippenaar*.**Brassica oleracea** var. *botrytis* Linn., Rietfontein, *J. Dyer*, 18160.**Phoma macrothecia** Thuem.

von Thuemen (1876 b) 571 ; Sacc. Syll. Fung. III : 158.

on **Homeria Breyniana** (L.) Lewis var. *ochroleuca* Salisb., summit of the Boschberg, *MacOwan* 1240, Type (Thuem. Myc. Univ. 680 ; S.A.M. 35096) 21965, Kew.**Phoma Ornithogali** Thuem.

von Thuemen (1878 a) 358 ; Sacc. Syll. Fung. III : 158.

on **Urginea altissima** Bkr., nr. Somerset East, *MacOwan*, Type (Thuem. Myc. Univ. 1783 ; Roum. Fung. Sel. Exsicc. 4749) 21964, Kew.**Phoma Passiflorae** Penz. & Sacc.on **Passiflora edulis** Sims, Stellenbosch, *Dippenaar* (Stell. 852) ; south-western Cape, *Louw*.
Passiflora quadrangularis Linn., south-western Cape, *Louw*.

Phoma persicae Sacc.

Verwoerd & du Plessis (1931) 292.

on *Prunus persica* Sieb. & Zucc., Wynberg, v. d. Byl (Stell. 424).**Phoma pinastrella** Sacc.on *Pinus halepensis* Mill., Belfast, *Pole Evans*, 9106.*Pinus pinaster* Ait., Jessievale, D.F.O., 7772 ; Belfast, *Pole Evans*, 9307.*Pinus radiata* Don., Belfast, *Pole Evans*, 9306.**Phoma pomi** Pass.

C. J. Hopkins (1925) 366 ; Doidge & Bottomley (1931) 7.

on *Pyrus malus* Linn., fruit, Transvaal, J. C. Hopkins; Buccleuch, J. M. Sim, 9784 ; Cedara, 14965 ; Vereeniging, Brandmuller, 20412 ; common in the Union of South Africa, especially in stored fruit.**Phoma Rostrupii** Sacc.*Phoma sanguinolenta* Rostr., Doidge & Bottomley (1931) 17.on *Daucus carota* Linn. var. *sativa* DC., Cedara, Fisher, 1168.**Phoma Stapeliae** Kalchbr. & Cooke

Kalchbrenner & Cooke (1880) 18 ; Sacc. Syll. Fung. III : 139.

? as *Cryptosporium fatale* Kalchbr. in Herb. Kew.on *Stapelia gemmiflora* Mass. var. *hircosa* N.E. Br., Somerset East, MacOwan 476, 1395, Type, Kew sub *Phyllosticta*.**Phoma subcircinata** Ell. & Everh.

Doidge & Bottomley (1931) 25, 39.

on *Phaseolus aureus* Roxb., Kaapsche Hoop.*Phaseolus vulgaris* Linn., Zululand.**Phoma Tatulae** Kalchbr. & Cooke

Kalchbrenner & Cooke (1880) 18 ; Sacc. Syll. Fung. III : 128.

on *Datura Tatula* Linn., on stems, Somerset East, MacOwan 1407, Type.**Phoma terrestris** H. N. Hansen

Verwoerd & du Plessis (1932) 315 ; du Plessis (1933 b) 9 ; Nel (1942) 102.

isolated from *Allium Cepa* Linn., Stellenbosch, du Plessis (Stell. 604 ; v. d. Byl 2707).**Phoma tingens** Cooke & Mass.on *Delphinium cultorum* Voss., Pretoria, Doidge, 30792.**Phoma Welwitschiae** Mass.

Massee (1910 b) 253 ; Sacc. Syll. Fung. XXII : 892.

on *Welwitschia Bainesii* (Hook. f.) Carr., near Welwitsch, Worsdell, Kew, type.**Phoma Zantedeschiae** Dipp.

Dippenaar (1931 c) 284.

on *Zantedeschia aethiopica* Spreng., Elsenburg, Dippenaar, Type (Stell. 523, 917).

Phoma sp.

Bottomley (1932) 21.
on **Glycine Max** Merr., Cedara.

Phoma sp.

Moore (1926) 428.
on **Nicotiana tabacum** Linn., seedlings, *Moore*.

Phomopsis cinerescens (Sacc.) Trav.

? on **Ficus Carica** Linn., Coalbrook, *Grove*, 27570 ; *Gloria, de Jager*, 34152.

Phomopsis Citri Fawc.

Doidge & Bottomley (1931) 44, 45 ; Hopkins (1932) 505 ; Doidge & van der Plank (1936) 162 ; Turner (1936) 258 ; Bates (1937 b) 195 ; Cardoso (1935) 185, (1937) 156, (1938) 74, (1939) 44.
Diaporthe Citri (Fawc.) Wolf, Hopkins (1938 a) 101, (1939 a) 13, (1943) 182 ; Cardoso (1945) 151, 152.
isolated from

Citrus aurantifolia Sw., Verulam, *Wager*, 32509.

Citrus Limonia Osbeck, Acornhoek, *Willis*, 26410 ; Buffelshoek, *Turner* ; causing melanose on fruit, Verulam, *Wager* ; Chase Valley, *Wager* ; Malagazi, *Wager* ; Umhlatuzi Valley, *Wager* ; causing shell bark, Verulam, *Turner, Wager* ; from leaves, Verulam, *Wager*.

Citrus maxima Merr., fruit, Mazoe, *Bates* ; Umtentweni, *Wager* ; Lourenço Marques, *Oliveira*.

Citrus sinensis Osbeck, rotting fruits from White River, Zebediela, Mudén, Sundays River, Groot Drakenstein, *Doidge* ; Verulam, 24954 ; Rustenburg, *MacDonald*, 24955 ; Mazoe, *Bates*, 34016 ; Sul do Save, *Cardoso* ; Manhica, *Tavira* ; Lourenço Marques, *Oliveira* ; Xinavane, *Cardoso* ; causing melanose, Chase Valley, *English*, 32688, *Wager*, 32460, 33189.

Phomopsis sp., **Ph. Citri** affinis

Hopkins (1939 a) 35.
isolated from **Delonix regia** Raf., Salisbury, *Hopkins* ; Mazoe, *Bates* 5025, 34017.

Phomopsis Daturae (Roll. & Fautr.) Sacc.

Verwoerd & du Plessis (1933) 228 ; Nel (1942) 102.
on **Datura Stramonium** Linn., Stellenbosch, *Verwoerd* (Stell. 617 ; v. d. Byl 2708).

Phomopsis juniperovora Hahn.

Hahn (1930) 53 ; Doidge & Bottomley (1931) 22.
as *Phoma* sp., Bottomley (1918) 613.
on **Cryptomeria japonica** D. Con., Estcourt, *McClellan*, 21579.
Cupressus arizonica Greene, Groenkloof, *D.F.O.*, 20408 ; Cedara, *D.F.O.*, 26339, 26340 ; Belfast, *Bottomley*.
Cupressus macrocarpa Hartw., Pretoria, *D.F.O.*, 20410.
Cupressus torulosa Don., Belfast, *Bottomley*.
Juniperus procera Hochst., Xumeni Plantation, *D.F.O.*, 22438.
Juniperus virginiana Linn., Groenkloof, *D.F.O.*, 20411.

Phomopsis oxalina (Ell. & Everh.) Syd.

on *Oxalis* sp., Schagen, *Liebenberg*, 26358.

Phomopsis Papayae Frag. & Ciferri

on *Carica Papaya* Linn., Buffelspoort, *Bottomley*, 25948.

Phomopsis perniciosa Grove

Diaporthe perniciosa Marchal (*Phomopsis* stage) Hopkins (1938 a) 101, (1939 a) 38.

? as *Phomopsis Mali* Roberts, Hopkins & Bacon (1938) 455.

on *Pyrus malus* Linn., Salisbury, (Rh. 961, 973) ; Rhodesia, general, *Hopkins*.

Phomopsis Phaseoli Grove

? as *Phomopsis* sp. probably *Diaporthe phaseolorum* (Cooke & Ellis) Sacc., Hopkins (1939 a) 25.

? on *Lycopersicum esculentum* Mill., fruit, Mazoe, *Hopkins*.

Phomopsis samarorum (Desm.) v. Höhn.

on *Fraxinus angustifolia* Vahl, Butterworth, *D.F.O.*, 33998.

Phomopsis sp.

Cryptosporella umbrina (Jenkins) Wehm., Doidge (1941 a) 66

on *Rosa* sp., Northlands, Johannesburg, *Paul*, 30444 ; Kokstad, *Ward*, 30445 ; Fort Beaufort, *Wager*.

Phomopsis sp.

isolated from *Passiflora edulis* Sims, from raised scabs on fruit, Mazoe, *Bates* 358, 359, 366, 34018, 34019, 34020.

Phyllosticta Aloës Kalchbr.

Kalchbrenner & Cooke (1880) 20 ; Sacc. Syll. Fung. III : 60.

on *Aloe latifolia* Haw., Somerset East, *MacOwan* 1023, Type.

Phyllosticta Antirrhini Syd.

Hopkins (1938 a) 116, (1939 a) 5.

on *Antirrhinum majus* Linn., Banket (Rh. 2830) ; Delmas, *Schoeman*.

Phyllosticta Asplenii Jaap

Hopkins (1938 a) 116.

on *Asplenium nidus* Linn., Bulawayo, (Rh. 3020 a).

Phyllosticta auriculata Kalchbr. & Cooke

Kalchbrenner (1880) 20 ; Sacc. Syll. Fung. III : 29.

on *Buddleia auriculata* Benth., Somerset East, *MacOwan*, Type, Kew ex coll. Thuem.

Phyllosticta Bauhiniae-reticulatae P. Henn.

P. Hennings (1903) 167 ; Sacc. Syll. Fung. XVIII : 227.

on *Bauhinia Thonningii* Schum., between Makele and Goudkopje, *Baum* 933, Type, Kew.

Phyllosticta Begoniae Brun.

Hopkins (1938 a) 117.
on *Begonia* sp., Bulawayo (Rh. 3016).

Phyllosticta Betae Oud.

Nel (1942) 103.
on *Beta vulgaris* Linn., Hopefield, v. d. Byl 1275.

Phyllosticta Brassicae West.

Dippenaar (1931 c) 285 ; Nel (1942) 103.
on *Brassica oleracea* Linn., Stellenbosch, du Plessis (Stell. 520 ; v. d. Byl 2612).

Phyllosticta Canavaliae v. d. Byl

van der Byl (1929 a) 318 ; Nel (1942) 103.
on *Canavalia obtusifolia* DC., Durban, Forbes (v. d. Byl 2529) Type.

Phyllosticta Caricae-papayae Allesch.

van der Byl (1920 a) 288.
on *Carica Papaya* Linn., Winkle Spruit, v. d. Byl, 11691.

Phyllosticta Carissae Kalchbr. & Cooke

Kalchbrenner & Cooke (1880) 20 ; Sacc. Syll. Fung. III : 36.
on *Carissa bispinosa* (L.) Desf., Somerset East, MacOwan 1355, Type (S.A.M. 35085 as MacOwan 1354) Kew.

Phyllosticta Cepae Verw. & du Pless.

Verwoerd & du Plessis (1932) 315.
on *Allium Cepa* Linn., Stellenbosch, du Plessis (Stell. 587) Type.

Phyllosticta Cephalariae Wint.

Winter (1885 b) 32 ; Sacc. Syll. Fung. X : 129.
on *Cephalaria attenuata* R. & S., Boschberg, MacOwan, Type (Rabenh. Fung. Eur. 3984) 4324, 21968, Kew.
Cephalaria ustulata R. & S., Rosslyn, Wager, 23152.

Phyllosticta Colae Verw. & du Pless.

Verwoerd & du Plessis (1933) 229 ; Nel (1942) 103.
on *Cola acuminata* Schott. & Endl., Univ. Bot. Gard., Stellenbosch, du Plessis, Type, (Stell. 648 ; v. d. Byl 2661).

Phyllosticta degenerans Syd.

H. & P. Sydow (1912 a) 42 ; Sacc. Syll. Fung. XXV : 24.
on *Pachycarpus* sp., Dundee, Doidge, 1056, Type.

Phyllosticta Delphinii Clem.

Hopkins (1938 a) 117, (1939 a) 17.
on *Delphinium cultorum* Voss, Salisbury (Rh. 2016, 2020).

Phyllosticta Dianthi West.

Hopkins (1938 a) 117, (1939 a) 17 ; Doidge & Bottomley (1931) 17.
on *Dianthus caryophyllus* Linn., Pretoria, *Wager*, 21246 ; Salisbury (Rh. 1815, 1998).

Phyllosticta Dioscoreae Cooke

on *Dioscorea malifolia* Bkr., Schagen, *Liebenberg*, 26313.

Phyllosticta Doxanthae Verw. & du Pless.

Verwoerd & du Plessis (1932) 316.
on *Bignonia capreolata* Linn., Stellenbosch (Stell. 192) Type.

Phyllosticta Dryopteris Verw. & du Pless.

Verwoerd & du Plessis (1931) 292.
on *Dryopteris* sp., Stellenbosch, *du Plessis* (Stell. 477) Type.

Phyllosticta Eriobotryae Thuem.

on *Eriobotrya japonica* Lindl., Stellenbosch, *Dippenaar*.

Phyllosticta ficicola Pat.

Verwoerd & Dippenaar (1931) 292.
on *Ficus carica* Linn., Stellenbosch, *du Plessis* (Stell. 473).

Phyllosticta gossypina Ell. & Mart.

Hopkins (1938 a) 117, (1939 a) 22.
sub *Phyllosticta*? *Malkoffii* Bubak, Eyles (1926) 637 ; Hopkins (1930) 523.
on *Gossypium* sp., Natal, *Fuller*, 1288 ; Glendale, Bindura, Darwendale, *Hopkins* ; general
in Rhodesia, *Eyles*, *Hopkins*.

Phyllosticta helvola (Berk. & Curt.) Tassi

on *Annona senegalensis* Pers., Tzaneen, *Sampson*, 5582.

Phyllosticta hesperidearum Penz.

Eyles (1926) 636.
on *Citrus sinensis* Osbeck, Mazoe, *Eyles*.

Phyllosticta hibiscina Ell. & Everh.

Hopkins (1939 a) 22.
on *Hibiscus esculentus* Linn., Banket, *Hopkins*.

Phyllosticta idaecola Cooke

Verwoerd (1929 b) 14 ; Doidge & Bottomley (1931) 29 ; Nel (1942) 103.
on *Hibiscus rosa-sinensis* Linn., Stellenbosch, *Verwoerd* (Stell. 103 ; v. d. Byl 1184), *Dippe*
naar (Stell. 981).

Phyllosticta latospora Verw. & du Pless.

Verwoerd & du Plessis (1933) 230 ; Nel (1942) 103.
on *Terminalia catappa* Linn., Univ. Bot. Gard., Stellenbosch, *du Plessis*, Type (Stell. 652 ;
v. d. Byl 2662).

Phyllosticta Magnoliae Sacc.

Verwoerd & du Plessis (1931) 293 ; Nel (1942) 103.

on **Magnolia grandiflora** Linn., Stellenbosch, *Verwoerd* (Stell. 425) ; Salisbury, v. d. Byl 2743.**Phyllosticta mali** Prill. & Delacr.on **Pyrus malus** Linn., Zwartkopjes, 734.**Phyllosticta Medicaginis** (Fuck.) Sacc.on **Medicago sativa** Linn., Jongensklip, *Dippenaar*.**Phyllosticta Nemophilae** Dippenaar*Dippenaar* (1931 c) 284.on **Nemophila insignis** Benth., Stellenbosch, *Verwoerd* (Stell. 447).**Nemophila** sp., Stellenbosch, *Dippenaar* 33, Type (Stell. 944).**Phyllosticta Nepenthecearum** Tassi

Verwoerd & du Plessis (1933) 230 ; Nel (1942) 103.

on **Nepenthes Goettingiana**, Univ. Bot. Gard., Stellenbosch (Stell. 646 ; v. d. Byl 2663).**Nepenthes gracilis** Korthals, Stellenbosch (Stell. 633).**Nepenthes Outramiana** Williams, Stellenbosch (Stell. 638).**Phyllosticta Nicotianae** Ell. & Everh.*Eyles* (1924 b) 747, (1926) 649 ; Hopkins (1931 b) 55, 81, (1938 a) 117, (1939 a) 28 ;

Nel (1942) 103.

on **Nicotiana Tabacum** Linn., Salisbury, *Eyles* (v. d. Byl 1325) ; Marandellas, Norton, Macheke, Lydiate, Banket, Concession, Mazoe, Inyazura, Lomagundi and Salisbury, *Hopkins*, *Eyles*.**Phyllosticta Odinae** P. Henn. & Evans*Hennings* (1908) 273 ; Sacc. Syll. Fung. XXII : 826.on **Lanea discolor** (Sond.) Engl., Waterberg, *Pole Evans*, 44, Type ; Barberton, *Burt Davy*, 376, Kew.**Phyllosticta orbicularis** Ell. & Everh.? on **Cucurbita Pepo** Linn., Pretoria Distr., *Malan*, 33928.**Phyllosticta Owaniana** Wint.*Winter* (1885 b) 31 ; Sacc. Syll. Fung. X : 120.on **Brabejum stellatifolium** Linn., foot of Table Mt., *MacOwan*, Kew ex Herb. *Winter*.**Phyllosticta Perseae** Ell. & Mart.*Doidge & Bottomley* (1931) 10on **Persea americana** Mill., Irene, *Doidge*, 2273.**Phyllosticta Persicae** Sacc.*Cardoso* (1945) 153.on **Prunus persica** Sieb. & Zucc., Lourenço Marques, *Guimarães*.

Phyllosticta phaseolina Sacc.

Eyles (1926) 631 ; Hopkins (1930) 415 ; Doidge & Bottomley (1931) 25.

on **Mucuna pruriens** DC., Umvukwes, Salisbury, *Eyles*.

Phaseolus limensis Macf., Umhlanga Rocks, *Wager*.

Phaseolus vulgaris Linn., Pretoria Distr., *Doidge & Bottomley*.

Phyllosticta prunicola Sacc.

Pole Evans (1906 a) 133 ; Doidge & Bottomley (1931) 9.

on **Prunus Armeniaca** Linn., Basutoland, *Doidge & Bottomley*, Potchefstroom and Pretoria, *Pole Evans*.

Prunus persica Sieb. & Zucc., Moçambique, *Cardoso*.

Phyllosticta Psidii Tassi

Verwoerd & du Plessis (1931) 292.

on **Psidium Guajava** Linn., Stellenbosch, *Verwoerd* (Stell. 477) ; Paarl, *du Plessis* (Stell. 552).

Phyllosticta pyrina Sacc.

Hopkins (1938 a) 117.

on **Pyrus malus** Linn., Umtali, *Eyles* 4248.

Phyllosticta rhoina Kalchbr. & Cooke

Kalchbrenner & Cooke (1880) 20 ; Sacc. Syll. Fung. III : 17.

on **Rhus viminalis** Vahl, Somerset East, *MacOwan* 1406, Type, 20816, Kew.

Phyllosticta Richardiae Halst.

van der Byl (1922 d) 287 ; Nel (1942) 103.

on **Zantedeschia aethiopica** Spreng., Stellenbosch, *v. d. Byl* 210.

Phyllosticta Rumicis Kalchbr.

? Nomen nudum in Herb. MacOwanianum.

on **Rumex conglomeratus** Murr., nr. Somerset East, *MacOwan* 1180, 21811.

Phyllosticta solitaria Ell. & Everh.

on **Pyrus malus** Linn., Inyanga, *Hopkins* (Rh. 4357).

Phyllosticta sorghina Sacc.

P. Hennings (1903) 167.

on **Sorghum vulgare** Pers., Kakele R., between Kassinga and Goudkopje, *Baum*.

Phyllosticta Stanhopeae Allesch.

Verwoerd & du Plessis (1933) 230 ; Nel (1942) 103.

on **Stanhopea oculata** Lindl., Univ. Bot. Gard., Stellenbosch, *du Plessis*, (Stell. 639 : v. d. Byl 2664).

Phyllosticta straminella Bres.

Hopkins (1938 a) 117, (1939 a) 40.

as **Phoma straminella**, *Eyles* (1926) 646.

on **Rheum Rhaponticum** Linn., Pretoria, *Bottomley*, 17025 ; Salisbury (Rh. 828, 2057) ; Theydon (Rh. 3035) ; Gwelo, *Eyles* ; Lyndhurst, Johannesburg, *Garnett* 33920.

Phyllosticta Tabaci Pass.

Hopkins (1931 b) 56, 81, (1938 a) 117, (1939 a) 28.
on *Nicotiana tabacum* Linn., Rhodesia, general.

Phyllosticta Terminaliae P. Henn.

P. Hennings (1903) 167.
on *Terminalia Baumii* Engl. & Gilg., between Kutue and Sobi, *Baum 764*, Type, Kew.

Phyllosticta Theobromae Alm. & Cam.

Verwoerd & du Plessis (1933) 231 ; Nel (1942) 103.
on *Theobroma Cacao* Linn., Univ. Bot. Gard., Stellenbosch, *du Plessis*, (Stell. 613 ; v. d. Byl 2665).

Phyllosticta Viola Desm.

van der Byl (1922 d) 287 ; Doidge & Bottomley (1931) 65 ; Verwoerd (1931 a) 301 ; Nel (1942) 103.
on *Viola odorata* Linn., Johannesburg, *Daly*, 10120 ; Salisbury (Rh. 529) ; Bloemfontein, *Verwoerd* ; Stellenbosch, v. d. Byl ; Elsenburg, v. d. Byl 89.

Phyllosticta sp.

Hopkins (1932) 464.
on *Acroceras macrum* Stapf, Rhodesia, *Hopkins*.

Phyllosticta sp.

Eyles (1926) 638 ; Hopkins (1930) 524.
on *Annona reticulata* Linn., Southern Rhodesia, *Eyles*.

Phyllosticta sp.

Eyles (1926) 644 ; Hopkins (1930) 526.
on *Arachis hypogaea* Linn., Enterprise, *Eyles*.

Phyllosticta sp.

Hopkins (1930) 418.
on *Citrus sinensis* Osbeck, Southern Rhodesia, *Hopkins*.

Phyllosticta sp.

Verwoerd (1929 b) 5.
on *Cyclamen europaeum* Linn., Bloemfontein, *Verwoerd* ; Stellenbosch, *Verwoerd*.

Phyllosticta sp.

Hopkins (1930) 526.
on *Hibiscus* sp., Southern Rhodesia, *Hopkins*.

Phyllosticta sp.

van der Byl (1925 b) 196.
on *Olea foveolata* E. Mey., Knysna, v. d. Byl.

Phyllosticta sp.

Hopkins (1930) 416.
on *Physalis peruviana* Linn., Southern Rhodesia, *Hopkins*.

Phyllostictina concentrica (Sacc.) v. Höhn. var. *lusitanica* Alm.

Verwoerd & du Plessis (1931) 293.

on *Hedera Helix* Linn., Stellenbosch, *Verwoerd* (Stell. 254).

Pyrenochaeta Vanillae Verw. & du Plessis

Verwoerd & du Plessis (1933) 231 ; Nel (1942) 104.

on *Vanilla planifolia* Andr., Univ. Bot. Gard., Stellenbosch, *du Plessis*, Type (Stell. 635 ; v. d. Byl 2697).

PHAEOSPORAE.

Chaetomella Artemisiae Cooke

Cooke (1882 a) 123 ; Sacc. Syll. Fung. III : 322.

on *Artemisia afra* Jacq., Inanda, *Medley Wood* 572, Type, 10173, Kew.

Chaetomella Triticici Ten. & Dan.

on *Avena sativa* Linn., roots, Stellenbosch, *Gorter*, 33354.

Cincinnobella sp.

on *Englerula Macaranga* P. Henn. on *Macaranga capensis*, Eshowe, *Laughton*, 33112.

Coniothyria Agaves (Dur. & Mont.) Petr. & Syd.

du Plessis (1933 f) 206 ; Nel (1942) 101.

on *Agave americana* Linn., Jongensklip, Caledon, *du Plessis* (Stell. 619 ; v. d. Byl 2682).

Coniothyrium Fuckelii Sacc.

Hopkins (1930) 649 ; Doidge & Bottomley (1931) 55 ; Cardoso (1937) 156, (1938) 75, (1939) 45, (1945) 162.

on *Rosa* sp., Stutterheim, *Hodgson*, 23697 ; Aliwal North, *Bekker*, 15502 ; Bergville, *Voortman*, 25460 ; Modderbee, *Turner*, 25459 ; Heidelberg, *Weakley*, 25480 ; Tarlton, *Walshe*, 26636 ; Springs, *Hogg*, 26635 ; Benoni, v. d. Berg, 30446 ; Bethal, *Bean*, 15501 ; Bloemfontein, *Tidmarsh*, 23345, *Bottomley*, 25926 ; Maseru, *Wacher*, 25933 ; Maraisberg, *Haywood*, 33767 ; Southern Rhodesia, *Hopkins* ; Sul do Save, *Cardoso* ; Lourenço Marques, *Frias*.

on *Pyrus malus* Linn., Bethlehem, v. d. *Merwe*, 27268.

Coniothyrium insigne Syd.

H. Sydow (1924 c) 431 ; van der Byl (1925 b) 196 ; Petrak & Sydow (1927) 384 ;

J. Phillips (1931) 160 ; Nel (1942) 101.

on *Ocotea bullata* E. Mey., Knysna, v. d. *Byl* 1380, Type.

Coniothyrium occultum Syd.

H. Sydow (1937) 281.

on *Phyllachora Doidgeae* Syd. on *Cymbopogon marginatus* (Steud.) Stapf : Donkerpoort, *Doidge & Bottomley*, 29744.

Phyllachora heterospora P. Henn., on *Panicum maximum* Jacq., Schagen, *Liebenberg*, 26096.

Coniothyrium palmicolum (Fr. pr. p.) Starb.

Cardoso (1945) 159.

on *Cocos nucifera* Linn., on leaves, Zambesi region (det. S. da Camara).

Coniothyrium rafniicola (P. Henn.) Petrak

Petrak & Sydow (1927) 396.

Sphaeropsis rafniicola P. Hennings (1898) 295 ; Sacc. Syll. Fung. XVI : 906.
on *Rafnia* sp., Piquetberg, *Schlechter*.

Cytoplea Adeniae du Plessis

du Plessis (1933 f) 206 ; Nel (1942) 101.

on *Adenia* sp., Stellenbosch, *du Plessis*, Type (Stell. 799 ; v. d. Byl 2668).**Epistigme nidulans** Syd.

H. Sydow (1924 c) 432 ; Petrak & Sydow (1927) 321 ; Nel (1942) 102.

on *Rhus viminalis* Vahl, Genadendal, *Verwoerd*, Type (Stell. 112 ; v. d. Byl 1255).**Haplosporella hesperidica** Speg.on *Citrus sinensis* Osbeck, Durban, *Doidge*, 27292, *Wayne*, 17019.**Lasmeniella globulifera** (Rabenh.) Petrak & Syd.*Lasmeniella Pterocarpi* Petrak (1929) 395.

associated with

Endodothella Deightonii Syd., on *Albizzia gummifera* (Gmel.) C. A. Sm., Verulam, *Pole Evans*, 6829 ; Phoenix, *Wager*, 33097.

Phyllachora Halsei Doidge on *Acacia robusta* Burch., Umzinto, *McCLean*, 30116 ; on *Acacia Benthami* Roxb., Scottburgh, *Halse*, 30380 ; on *Acacia Gerrardi* Benth., Nkweleni Valley, *McCLean*, 33089.

Phyllachora Pterocarpi Syd. on *Pterocarpus rotundifolius* (Sond.) Druce, Schagen, *Liebenberg*, 26014 ; Nelspruit, *Doidge*, 32402.

Oothecium Macarangae Petr.(Conidial form of *Englerula Macarangae* P. Henn.)on *Macaranga capensis* Sim, Eshowe, *Laughton*, 34112.**Oothecium styloporum** (Cooke) Doidge*Doidge* (1942) 327.? *Asterina stylospora* Cooke (1882 a) 129 ; Sacc. Syll. Fung. IX : 393.*Oothecium consimile* Syd., H. Sydow (1930) 443.

on *Trema guineensis* (Schum.) Ficalho, Inanda, *Medley Wood* 564, Type, 793, 9499, 10191, Kew ; Verulam, *Pole Evans*, 6801 ; Krantzklouf, *Doidge*, 9101 ; Eshowe, *Laughton*, 33516.

Sphaeropsis corticalis (Kalchbr. & Cooke) Sacc.

Sacc. Syll. Fung. (1884) 302.

Macrodiplodia corticale Kalchbrenner & Cooke (1880) 18 ; *Medley Wood* (1898) 18.
on bark, Somerset East, *MacOwan* 522 ; Natal, *Medley Wood* 138, Type, Kew ex Herb. *Kalchbr.*

Sphaeropsis malorum Peck

Pole Evans (1908 b) ; *Verwoerd* (1929 b) 13 ; *Doidge* & *Bottomley* (1931) 28 ;
Verwoerd & *Dippenaar* (1930 b) 1-16 ; *du Plessis* (1936) 16 ; *Eyles* (1926) 630.

Haplosporella mali (West.) Petrak & Sydow, *Hopkins* & *Bacon* (1938) 453.
see also *Physalospora obtusa* (Schw.) Cooke

on *Cydonia oblonga* Mill., fairly common in the Cape Province.

Pyrus communis Linn., Inyanga (Rh. 3751) ; Umtali (Rh. 3431) ; Stellenbosch, *Dippenaar* (Stell. 986) ; Berlin, 26581.

Pyrus malus Linn., Johannesburg, *Pole Evans*, 14108, *Rocher*, 17792, *Ordish*, 25982 ; Mountain View, 1875 ; Baviaans Kloof, *Pole Evans*, 2444 ; Pyramids, *Leith*, 26338 ; Henley-on-Klip, *Hendey*, 26643 ; White River, *Talbot*, 2380 ; Godwan River, *Wager*, 25996 ; Pietersburg, *Munnik*, 7085 ; Lichtenburg, *du Preez*, 30130 ; Aliwal North, *Kinlock*, 18051 ; Joubertina, *Bottomley*, 33268 ; Krakeel, *Pienaar*, 2380 ; Groot Drakenstein, *Pickstone*, 9172 ; Elsenburg, *Tribolet*, 9786 ; Simondium, *Baker*, 12519 ; Montagu, George, Elgin, *Verwoerd* ; Stellenbosch, *Verwoerd* (Stell. 319) ; Grahams-town, *Wallace*, 17281 ; Kruis Rivier, *Rens*, 24911 ; Maritzburg, *J. M. Sim*, 10078 ; Town Bush Valley, *Dungan*, 20670 ; Buccleuch, *J. M. Sim*, 9784 b, 10046 ; Muden, Rötteher, 2199, 2374 ; Nottingham Road, *Greene* (v. d. Byl 648) 31875 ; Cashel (Rh. 3437) ; M'soneddi (Rh. 3485, 3530, 3532) ; Salisbury (Rh. 3626).

Vitis vinifera Linn., Worcester, *Verwoerd* ; Constantia, *du Plessis* (Stell. 1047) ; Breede Rivier, *Verwoerd* (Stell. 384) ; Stellenbosch, *Verwoerd* (Stell. 393).

Sphaeropsis Mappae Cooke

Cooke (1882 a) 123.

on *Macaranga capensis* Benth., Inanda, *Medley Wood* 619, Type, 804, 10657, Kew.

Sphaeropsis sp.

Doidge & Bottomley (1931) 29. *

on *Psidium Guajava* Linn., on fruit, Transvaal.

HYALODIDYMAE.

Ascochyta Alkekengi Massal.

on *Physalis peruviana* Linn., Stellenbosch, *Dippenaar* (Stell. 839, 850) ; Paarl, *du Plessis* (Stell. 820).

Ascochyta atropunctata Wint.

Winter (1885 b) 32 ; Sacc. Syll. Fung. X : 299.

on *Osteospermum moniliferum* Linn., Table Mt., *MacOwan*.

Ascochyta Calpurniae Wint.

Winter (1885 b) 32 ; Sacc. Syll. Fung. X : 296.

on *Calpurnia sylvatica* E. Mey., Boschberg, *MacOwan*, Type.

Ascochyta Caricae Pat.

Hopkins (1943) 182.

Phoma caricina Hopkins (1938 c) 128, (1938 a) 115, (1939 a) 9.

on *Carica Papaya* Linn., Salisbury (Rh. 3544) 4465 ; Hartley, *Hopkins* (Rh. 4961) ; Shamva, Glendale, *Hopkins* ; Zeerust, *Wickert*, 34326.

Ascochyta Cherimoliae Thuem.

Hopkins (1938 a) 116.

on *Annona reticulata* Linn., Salisbury, *Eyles* 6698.

Ascochyta citricola McAlp.

Eyles (1926) 633 ; Hopkins (1930) 417.

on *Citrus sinensis* Osbeck, Mazoe, *Eyles* ; Southern Rhodesia, *Hopkins*.

Ascochyta Kentiae Maubl.

Verwoerd & du Plessis (1933) 222 ; Nel (1942) 101.

on **Roystonia regia** O. F. Cook, Univ. Bot. Gard., Stellenbosch, *du Plessis*, (Stell. 637 ; v. d. Byl 2675).

Ascochyta Nicotianae Pass.

on **Nicotiana Tabacum** Linn., seedlings, Wellington and Elsenburg, *Dippenaar*, (Stell. 1005, 1029).

Ascochyta Papaveris Oud.

on **Papaver nudicaule** Linn., on leaf and flower, South-western Cape, *Dippenaar*.

Ascochyta parasitica Fautr.

Hopkins (1938 a) 116, (1939 a) 4.

on **Althaea rosea** Cav., Concession (Rh. 1930).

Ascochyta Pisi Lib.

Van der Byl (1922 d) 287 ; Verwoerd (1929 b) 16, 20, (1931 a) 300; Doidge & Bottomley (1931) 47 ; Hopkins (1930) 528, (1938 a) 116, (1939 a) 21, 32, (1943) 188 ; Dippenaar (1931) 9 ; Nel (1942) 101.

on **Pisum sativum** Linn., Stellenbosch, *Buller*, 3830, v. d. Byl 30, *Verwoerd* (Stell. 360), *Dippenaar* (Stell. 596, 833, 1006), *Slabbert* (Stell. 895) ; Umhlanga Rocks, Cavendish, Phoenix, *Wager* ; Kentani, *Pegler* 2443, 10991 ; Duivelskloof, *Wager*, 25448 ; Pretoria, *Doidge* ; Bloemfontein, *Verwoerd* ; Southern Rhodesia, *Hopkins*.

Glycine Max Merr., Salisbury (Rh. 2334).

? on **Lupinus angustifolius** Linn., Stellenbosch, *Dippenaar* (Stell. 979).

on **Phaseolus aureus** Roxb., Natal.

Phaseolus limensis Macf., Cedara, v. d. Byl 1111, 1115 ; Salisbury (Rh. 2341).

Vigna unguiculata (L.) Walp., Cedara, *Staples* (Stell. 32) 15429 ; Potchefstroom, *Saunders* 27575.

Corrolospora maritima Werd.

Nel (1942) 101.

on wood from an old wreck, washed up on beach, Bloubergstrand, v. d. Byl 2628.

Darluca filum (Biv.) Cast.

Cooke (1879 b) 70, (1880) 14 ; Kalchbrenner (1882 a) 147 ; Sacc. Syll. Fung. III : 410 ; P. Hennings (1903) 168 ; Hopkins (1938 a) 116, (1939 a) 51.

Darluca vagans Cast., von Thuemen (1878 a) 358.

see also *Eudarluca australis* Speg. •

on **Aecidium Oxalidis** Thuem. on *Oxalis purpurata* Jacq., Somerset East, *MacOwan* 1042.

? on **Aecidium Vignae** Cooke on *Sphenostylis marginata* E. Mey., Inanda, *Medley Wood* 115 Kew. (almost certainly an immature stage of *Parodiella perisporioides*, fide Kew).

on **Melampsora Ricini** Pass. on *Ricinus communis* Linn., Skinner's Court, *Pole Evans*, 384.

Puccinia erythraeensis Pazschke on *Hyparrhenia filipendula* Stapf, Southern Rhodesia, *Hopkins*.

Puccinia graminis Pers. on *Dactylis glomerata* L., Skinner's Court, 392.

Puccinia oahuensis Ell. & Everh. on *Digitaria Pentzii* Stent, Salisbury (Rh. 2085).

Puccinia Pruni-spinosae Pers., on *Prunus salicina* Lindl., Kokstad, *Paine*, 32503

Puccinosira Dissotidis Wakef., on *Dissotis longicauda* Cogn., Kampuluvu, *Baum* 800.

Uredo sp. on *Pycnus polystachyus* Beauv., Knysna, *Bottomley*, 32424.

Uromyces appendiculatus (Pers.) Link on *Phaseolus vulgaris* Linn., Natal, *Medley Wood* 89.

Uromyces caryophyllinus (Schränk.) Wint. on *Dianthus caryophyllus* Linn., Rustenburg, *Stroth*, 25927.

Uromyces leptodermus Syd. on *Brachiaria dictyoneura* Stapf, Salisbury, (Rh. 3399).

Uromyces Ipomoeae (Thuem.) Berk. on *Ipomoea oenotheroides* (L.f.) Rafin, Klein Vis Rivier, *MacOwan* 1226.

Common on Uredineae in wet seasons, especially in the uredo-sori.

PHAEODIDYMAE.

Botryodiplodia Oncidii (P. Henn.) Petrak & Syd.

Verwoerd & du Plessis (1933) 223.

on **Oncidium concolor** Hook., Stellenbosch, *du Plessis* (Stell. 612).

Botryodiplodia Palmarum (Cooke) Petrak & Syd.

Petrak & Sydow (1926) 164.

Macrophoma Palmarum (Cooke) Berl. & Vogl., H. & P. Sydow (1909) 546 ; Cardoso (1945) 159.

on **Acanthophoenix rubra** H. Wendl., Durban, *v. d. Byl* 496, 31779.

Cocos nucifera Linn., Maracuenne, *Howard*, 488 ; Zambesi Region (det. S. da Camara) ; Inhaca Is., *Mogg*, 34153.

Botryodiplodia Theobromae Pat.

Hopkins (1930) 650, (1938 a) 116, (1939 a) 4, 6, 12, 13, 16, 34 ; Cardoso (1945) 160.

on **Aleurites Fordii** Hemsl., Salisbury (Rh. 2541).

Araucaria braziliiana A. Rich., Salisbury (Rh. 1694).

Citrus maxima Merr., Macequece (Rh. 899, 991, 992, 993).

Citrus sinensis Osbeck, Rhodesia, general, *Hopkins*.

Cupressus arizonica Greene, M'Sasa (Rh. 1546).

Cupressus macrocarpa Hartw., Salisbury (Rh. 2316).

Dillenia indica Linn., Lourenço Marques, *Tinoco*.

Eriobotrya japonica Lindl., Capetown, *Davies*, 18181.

Pittosporum undulatum Vent., Salisbury (Rh. 636, 1261).

Thea sinensis Linn., Rhodesia, *Hopkins*.

Diplodia Aurantii Catt.

Doidge & van der Plank (1936) 18 ; Hopkins (1938 a) 116, (1939 a) 11, 13.

on **Citrus maxima** Merr., on twigs, Umtali (Rh. 1081).

Citrus sinensis Osbeck, on twigs or isolated from fruit, Umtali (Rh. 996) ; Pretoria, *Doidge*.

Diplodia clematidea Sacc.

Sacc. Syll. Fung. III (1884) 368.

Diplodia Clematidis Kalchbrenner & Cooke (1880) 19, not Saccardo.

on **Clematis brachiata** Thunb., Somerset East, *MacOwan* 1358, Kew.

Diplodia herbarum (Corda) Lév.

Dippenaar (1931 c) 287.

on **Dianthus caryophyllus** Linn., Stikland, *Dippenaar*.

Diplodia lichenopsis Cooke & Mass.

Verwoerd (1929 b) 23 ; Doidge & Bottomley (1931) 52 ; Nel (1942) 101.
on **Acacia saligna** Wendl., Somerset Strand, *Verwoerd* (Stell. 88 ; v. d. Byl 1168) ; Stellenbosch, *du Plessis* (Stell. 983).

Diplodia Monsterae Verw. & du Pless.

Verwoerd & du Plessis (1930 a) 327.
on **Monstera deliciosa** Liebm., Stellenbosch, *Verwoerd* (Stell. 387) Type.

Diplodia natalensis Pole Evans

Pole Evans (1910 a) ; Sacc. Syll. Fung. XXII : 992 ; Eyles (1926) 633 ; Doidge (1929 b) 323 ; Doidge & Bottomley (1931) 27, 34, 39, 43, 45, 64 ; Doidge & van der Plank (1936) 18 ; Bates (1937 a) 157, (1937 b) 176, 194 ; Hopkins (1938 a) 116, (1939 a) 11, 13, (1943) 178, 182.
on **Aleurites Fordii** Hemsl., Salisbury, *Hopkins*.
Citrus Limonia Osbeck, Verulam, *Pole Evans* ; Nelspruit, *Loest*, 33556, 33557.
Citrus maxima Merr., Umtali (Rh. 1080, 1082, 1083) ; Mazoe, *Bates*.
Citrus nobilis Lour. var. **deliciosa** Sw., Natal coast.
Citrus sinensis Osbeck, Warner Beach, *Pole Evans*, 7382 ; Pretoria, *Bredell*, 5131 ; Mazoe, *Bates* (Rh. 1487) 25956 ; Godwan River, *Loest*, 29975 ; Martizburg, *Wager*, 33298 ; Zebediela, *Loest*, 33558 ; Umtali, *Hopkins* (Rh. 1003).
Poncirus trifoliata Raf., on twigs, Durban.

Diplodia palmicola Thuem.

Pole Evans (1914) 154 ; Cardoso (1939) 44, (1945) 159.
on **Cocos nucifera** Linn., Zambesi Region (det. S. da Camara) ; Moçambique, *Cardoso* ; Quelimane, *Pole Evans* ; Nhula, *Guimarães*.

Diplodia pinea (Desm.) Kickx.

H. & P. Sydow (1909) 547 ; Fisher (1912) 389, (1931 a) 301 ; Verwoerd (1929 b) 22, (1931 a) 301 ; Doidge & Bottomley (1931) 50 ; Nel (1942) 102 ; Hopkins (1943) 188.
Sphaeropsis pinicola Speg., Laughton (1936) 377.
Macrophoma pinea (Desm.) Petrak & Sydow (1926) 116.
on **Araucaria brasiliana** A. Rich., Salisbury, *Hopkins*.
Pinus canariensis C. Smith, Fort Cunynghame, 6605.
Pinus caribaea Morelet, Brooklands, *Bottomley*, 32046.
Pinus halepensis Mill., Fort Cunynghame, 6591, 6668 ; Evelyn Valley Plantation, *D.F.O.*, 8946 ; Stutterheim, *Laughton*, 33390.
Pinus leiophylla Schlecht. & Cham., Cedara, *D.F.O.*, 14692, 17012.
Pinus longifolia Roxb., Waterfall Estate, nr. Sabie, *Bottomley*, 32047.
Pinus Montezumae Lamb, Cedara, *D.F.O.*, 14826.
Pinus muricata Don., Cedara, *D.F.O.*, 14827.
Pinus oocarpa Schiede, Cedara, *D.F.O.*, 14829.
Pinus oocarpa var. **microphylla**, Cedara, *D.F.O.*, 14830.
Pinus palustris Mill., Fort Cunynghame, 6669.
Pinus patula Schiede, Pilgrim's Rest, *D.F.O.*, 26632, *Bottomley*, 32048 ; Brooklands, *Bottomley*, 32043 ; Rosehaugh, *Bottomley*, 32044 ; near Sabie, *Bottomley*, 32045.
Pinus pinaster Ait., Harrismith, 913 ; Cedara, *Fisher*, 2101, *D.F.O.*, 14832, 17010 ; Nqadu Heights, *D.F.O.*, 5158, 14822 ; Fort Cunynghame, 6606 ; Kokstad, *D.F.O.*, 10038 ; Fort Donald, *D.F.O.*, 18026 ; George, *D.F.O.*, 26859 ; Kleinplaat, George, Knysna, *Laughton*, 33283 ; Knysna, *Laughton*, 33237.

Pinus pinaster var. *Hamiltoni*, Cedara, *D.F.O.*, 12513.

Pinus pseudostrobus Lindl., Cedara, *D.F.O.*, 17011.

Pinus pseudostrobus var. *tenuifolia*, Cedara, *D.F.O.*, 14828.

Pinus radiata Don., Fort Cunynghame, 6691 ; Evelyn Valley Plantation, *D.F.O.*, 8947 ; Ntywenka Plantation, *D.F.O.*, 26308 ; Stutterheim, *Laughton*, 33402 ; Isidenge Plantation, *D.F.O.*, 26172 ; Hogsback, *D.F.O.*, 26857, Kew ; Katberg, *D.F.O.*, 27357 ; Geelhoutboomberg, *D.F.O.*, 26858, Kew ; Brooklands, *Bottomley*, 32042 ; Cedara, *D.F.O.*, 14831 ; Woodbush, *D.F.O.*, 15445 ; Belfast, *D.F.O.*, 11333 ; Lourenço Marques, *Hardenberg*, 21244 ; Knysna, *Verwoerd* (Stell. 415), *J. Phillips* (v. d. Byl 2477) ; Mtao, *Hopkins*.

Pinus Sabiniana Dougl., Fort Cunynghame, 6671.

Pinus Thunbergii Parl., Fort Cunynghame, 6671.

Pinus spp., White River, *Gazalet*, 25893 ; Maritzburg, *D.F.O.*, 30846 ; Komgha, *Crewe*, 27812 ; Durban, v. d. Byl 395.

Diplodia sarmentorum Fr.

on *Citrus sinensis* Osbeck, bark of dead Valencia Late twigs, Mazoe, *Bates*, 33580, and in culture, 34007.

Diplodia tubericola (Ell. & Ev.) Taubenh.

U.S. Dept. Agric. (1941) 58.

? as *Diplodia* sp., U.S. Dept. Agric. (1932) 354.

on *Ipomoea batatas* Poir., intercepted in United States on tubers from South Africa ; not recorded locally.

Diplodia variispora Died.

on *Syzygium cordatum* Hochst., Eshowe, *McClean*, 33092.

Diplodia Vignae Sacc.

Saccardo (1904) 7 ; Sacc. Syll. Fung. XXII : 995.

on *Vigna unguiculata* (L.) Walp., Lourenço Marques, *Moller*.

Diplodia Zeae (Schw.) Lév.

Pole Evans (1911 b) 258 ; van der Byl (1914), (1916 b) ; Mitchell (1918 a) 425 ; Eyles (1926) 642 ; Theiler (1927) 1 ; Doidge & Bottomley (1931) 36 ; Verwoerd (1931 a) 301 ; Watt & Breijer-Brandwyk (1932) 215 ; Steyn (1934) 171, 173 ; Hopkins (1938 a) 116, (1939 a) 49 ; Cardoso (1939) 45, (1945) 149 ; Nel (1942) 102.

Diplodia Maydis Sacc., Pole Evans (1913 b) 172.

on *Zea Mays* Linn., Mooi River, 5177 ; Ixopo, *Pole Evans*, 5628, *Schofield* (v. d. Byl 504) 30787 ; Potchefstroom, *Burt Davy*, 924, 12246, *Verwoerd* (Stell. 79) ; Middelkop, *Mogg*, 20440, 20997 ; Pretoria, 33368, *de Villiers*, 25472, 25425 ; Roodekuil Estate, Warmbaths, *Bottomley*, 18132 ; Malkerns, *Carrington*, (v. d. Byl 395 a) 19844 ; Bloemfontein, *Verwoerd* ; Pretoria, 33368 ; Piet Retief, *Sands*, 33892 ; Hunyani (Rh. 1094) ; Salisbury, *Mundy*, 14110, (Rh. 1376) ; Chakari (Rh. 1370) ; Arcturus (Rh. 1374) ; Norton (Rh. 1397) ; Moçambique, *Cardoso* ; Umbeluzi, *Oliveira*.

Microdiplodia rikatiensis Petrak

Petrak (1927) 293.

on *Dialium Schlechteri* Harms., Rikatli, *Junod*, 11726, Type.

HYALOPHRAGMIAE.

Septoriella striiformis (Syd.) Sacc.

Sacc. Syll. Fung. XXV : 480.

Linochorella striiformis Syd., H. & P. Sydow (1912 a) 44 ; Doidge & Bottomley (1931 57.on *Heteropogon contortus* R. & S., Skinner's Court, *Pole Evans*, 1179, Type.**Stagonospora Atriplicis** (West.) Lind

Hopkins (1939 a) 45.

on *Syzygium guineense* (Willd.) DC., Umtali, *Hopkins*.**Stagonospora cryptogea** Syd.

H. Sydow (1939 a) 190.

on *Phyllachora Doidgeae* Syd. on leaves of *Cymbopogon marginatus* Stapf, Donkerpoort, *Doidge & Bottomley*, 29744, Type.**Stagonospora Kentiae** Maubl.

Hopkins (1938 a) 118.

on *Phoenix* sp., Salisbury, (Rh. 798).**Stagonospora nerinicola** Dipp.

Dippenaar (1931 c) 286 ; Nel (1942) 106.

on *Nerine sarniensis* Herb., Stellenbosch, *Dippenaar* (Stell. 523, 918, 919 ; v. d. Byl 2613) Type ; Wynberg, *Verwoerd* (Stell. 404).

PHAEOPHRAGMIAE.

Hendersonia Magnoliae Sacc.

Verwoerd & du Plessis (1931) 291 ; Nel (1942) 102.

on *Magnolia grandiflora* Linn., Wynberg, *Verwoerd* (Stell. 465 ; v. d. Byl 2743).**Hendersonia Osteospermi** Wakef.

Wakefield (1922) 165 ; van der Byl (1925 b) 196 ; Nel (1942) 102.

on *Osteospermum* sp., Keurboomsrivier, v. d. Byl 409.**Hendersonia Rubi** West.

Pole Evans (1914) 151.

on *Rubus loganobaccus* Bailey, Stellenbosch.**Hendersonia sparsa** Wint.

Winter (1885 b) 33 ; Sacc. Syll. Fung. X : 328.

on *Bobartia spathacea* Ker., Table Mt., *MacOwan*, Type.**Hendersonia Wistariae** Cooke

Verwoerd & du Plessis (1931) 291.

on *Wisteria sinensis* Sweet, Stellenbosch, *du Plessis*, (Stell. 474).**Hendersonula toruloidea** Nattrass

Bates (1937 b) 200 ; Fawcett (1936) 464.

on *Citrus sinensis* Osbeck, fruit, Mazoe, *Bates*.

PHAEODICTYAE.

Thyrococcum humicola Buchanan

on **Triticum aestivum** Linn., roots, Stellenbosch, *Gorter*, 33364.

SCOLECOSPOREA.

Cryptogene Parodiellae Syd.

H. Sydow (1939 b) 240 ; Hopkins (1939 a) 51.

on **Parodiella perisporioides** (Berk. & Curt.) Speg. on *Dolichos lupiniflorus* N.E. Br., Sinoia, *Hopkins* 2239, 2832, Type, 31052 a, 31053 a.

Cryptogenella Parodiellae Syd.

H. Sydow (1939 b) 241 ; Hopkins (1939 a) 51.

on **Parodiella perisporioides** (B. & C.) Speg. on *Dolichos lupiniflorus* N.E. Br., Sinoia, *Hopkins* 2239, 2832, Type, 31052 b, 31053 b.

Linochora Doidgei Syd.

H. & P. Sydow (1912 a) 43.

on **Restio** sp., Bain's Kloof, *Doidge*, 1219.

Septoria Antirrhini Desm.

Verwoerd (1929 b) 25, (1931 a) 301 ; Doidge & Bottomley (1931) 57 ; Nel (1942) 104.

on **Antirrhinum majus** Linn., Pretoria, *Wager*, 21576 ; Port Elizabeth, *Bishop*, 33238 ; Wellington, *Davies*, 27265 ; Bloemfontein, *Verwoerd* ; Claremont, *Verwoerd* (Stell. 358) ; Stellenbosch, *Dippenaar* (Stell. 970), v. d. *Byl* 2064 ; Elsenburg, *Dippenaar* (Stell. 1002) ; Hopefield, v. d. *Byl* 2601.

Septoria Apii Chester

Doidge & Bottomley (1931) 17 ; Hopkins (1938 a) 117, (1939 a) 5.

Septoria Petroselinii Desm. var. *Apii* Br. & Cav., Verwoerd (1929 b) 10, (1931 a) 300.
on **Apium graveolens** Linn. var. *dulce* DC., Pretoria, *Pole Evans*, 6923, 6970, *Doidge*, 27677 ; Stellenbosch, *Verwoerd* (Stell. 8) and *du Plessis* ; Dieprivier, Cape Flats, Wellington, *Verwoerd* ; Port Elizabeth, *Barron*, 33900 ; Cavendish, *Wager*, 32714 ; Johannesburg, 33901 ; Pinetown, *Wager* ; Salisbury, *Hopkins* ; Rhodesia general, *Hopkins*.

Septoria Apii-graveolentis Dorogin

U.S. Dept. Agric. (1944) 32.

on **Apium graveolens** Linn. var. *dulce* DC., intercepted in the United States on material from South Africa.

Septoria Aracearum Sacc.

? as *Septoria Ari* Desm., Doidge & Bottomley (1931) 10 ; Nel (1942) 104.

? as *Septoria Richardiae*, Verwoerd (1929 b) 7.

on **Zantedeschia aethiopica** (L.) Spreng., Kentani, *Pegler* 2359, Kew ; Stellenbosch, *Eyles* (Stell. 37), *du Plessis* (Stell. 939) ; Somerset West, Kuilsrivier, Frenchhoek, Wellington, *Verwoerd* ; Paarl, *du Plessis* (Stell. 835) ; Tulbagh, *Dippenaar* (Stell. 504, 938) ; Storms River, *Laughton*, 34222.

Zantedeschia sp., Stellenbosch, *Eyles* (v. d. *Byl* 1116) ; Wellington, *Doidge*, 985.

Septoria Atriplicis (West.) Fuck.

Verwoerd & du Plessis (1931) 295.

- on **Chenopodium murale** Linn., Umtata, Pegler 2401, 9736 ; Stellenbosch, v. d. Byl 99, Verwoerd (Stell. 322), du Plessis (Stell. 876), Dippenaar (Stell. 869) ; Paarl, Verwoerd (Stell. 466) ; Ceres, Verwoerd (Stell. 467).

Septoria Avenae Frank

Verwoerd & du Plessis (1933) 232.

- on **Avena sativa** Linn., Stellenbosch, Dippenaar (Stell. 630) ; Malmesbury, Moorreesburg, Verwoerd & du Plessis.

Septoria Azaleae Vogl.

Verwoerd (1931 a) 300.

- on **Rhododendron indicum** Sweet, Bloemfontein, Verwoerd.

Septoria Bambusae Verw. & du Pless.

Verwoerd & du Plessis (1931) 295 ; Verwoerd (1931 a) 301.

- on **Bambusa Balcooa** Roxb., Stellenbosch, Verwoerd (Stell. 468) Type ; Brandfort, Verwoerd (Stell. 291).

Septoria Buddleiae Kalchbr. & Cooke

Kalchbrenner & Cooke (1880) 20 ; Sacc. Syll. Fung. III : 498.

Depazea Buddleyae Thuem., von Thuemen (1876 b) 571, (1879) 127.

- on **Buddleia salvifolia** Lam., Somerset East, MacOwan 1251 c, Type (Thuem. Myc. Univ. 1093 ; Rabenh. Fung. Eur. 2894) Kew.

Septoria Byliana Syd.

H. Sydow (1924 a) 238 ; Nel (1942) 104.

- on **Gunnera perpensa** Linn., Genadendal, Verwoerd, Type (Stell. 143 ; v. d. Byl 1279).

Septoria capensis Wint.

Winter (1885 b) 33 ; Sacc. Syll. Fung. X : 350.

- on **Zizyphus mucronata** Willd., Cape, MacOwan ; ? Schagen, Liebenberg, 32877.

Septoria Caryophylli Scalia

- on **Dianthus caryophyllus** Linn., Nelspruit, Stanford, 30639.

Septoria Cephalariae Kalchbr.

in Herb. Kew, nom. nud.

- on **Cephalaria attenuata** (L.f.) R. & S., Cape, MacOwan 1338, Kew.

Septoria cercosporioides Trail

Dippenaar (1931 c) 285 ; Nel (1942) 104.

- on **Chrysanthemum Leucanthemum** Linn., Stellenbosch, Verwoerd (Stell. 420), du Plessis (Stell. 506, 935), v. d. Byl 2609.

Septoria Chenopodii West.

Nel (1942) 104.

- on **Chenopodiaceae** undet., Helderberg, Stellenbosch, v. d. Byl 99.

Septoria Chrysanthemi Allesch.

Cardoso (1945) 161.

Septoria chrysanthemella Sacc., Verwoerd (1929 b) 10 ; Doidge & Bottomley (1931) 16, 56 ; Hopkins (1938 a) 117, (1939 a) 10, (1943) 182 ; Cardoso (1939) 45.on *Chrysanthemum maximum* Ram., Pretoria, *Doidge*, 29950, 32806, *Wager*, 22832.*Chrysanthemum morifolium* Ram., Pretoria, *Bottomley*, 21249, 23226, 25428, 33491 ; Johannesburg, *Hingst*, 28611 ; Maritzburg, *Mayne*, 9689 ; Wellington, *Verwoerd* ; Salisbury (Rh. 1099) ; General in Southern Rhodesia, *Hopkins* ; Moçambique, *Cardoso* ; Lourenço Marques, *Mota*.**Septoria Citri** Pass.

Bates (1937 b) 202 ; U.S. Dept. Agric. (1941) 63.

on *Citrus Limonia* Osbeck, intercepted in the United States on lemons from South Africa.! on *Citrus sinensis* Osbeck, Mazoe, *Bates*.**Septoria Citrulli** Ell. & Everh.on *Cucurbita Pepo* Linn., Cedarfont, *Garnett*, 10030.**Septoria Cotyledonis** Wakef.

Wakefield (1931) 203 ; Nel (1942) 104.

on *Cotyledon orbiculata* Linn., Elsenburg, *v. d. Byl* 890, Kew.**Septoria Cucurbitacearum** Sacc.

Hopkins (1938 a) 117.

on *Cucurbita Pepo* Linn., Concession (Rh. 347) ; Salisbury (Rh. 2295).**Septoria Dianthi** Desm.

Eyles (1926) 632 ; Doidge & Bottomley (1931) 17, 60 ; Verwoerd (1931 a) 301 ;

Hopkins (1938 a) 117, (1939 a) 17 ; Nel (1942) 104.

Ascochyta Dianthi Berk., Doidge & Bottomley (1931) 17.on *Dianthus barbatus* Linn., Bloemfontein, *Verwoerd*.*Dianthus caryophyllus* Linn., Pretoria, *Pole Evans*, 131 ; Vereeniging, 1527 ; Duivelskloof, *Guebille*, 23700 ; Grahamstown, *Jolly*, 29925 ; Uitenhage, *Schmutz*, 23399 ; Nelsrust, *Dickenson*, 10720 ; Maritzburg, *Schultz*, 29716 ; Ladysmith, *Bright*, 34163. 29717, *Smutz*, 30428 ; Mamathes, *Hean*, 30769 ; Bloemfontein, *Verwoerd* ; Stellenbosch, *Verwoerd* (Stell. 189), *du Plessis* (Stell. 868), *v. d. Byl* 1887 ; French Hoek, *Dippenaar* (Stell. 937) ; Salisbury, *Eyles* (Rh. 2344, 2905) ; Moçambique, *Cardoso* ; Lourenço Marques, *Mota*.**Septoria DoehlII** Syd.as *Septoria* sp., *v. d. Byl* (1922 d) 187.! on *Silene gallica* Linn., Kentani, *Pegler* 2451, 10995 ; Stellenbosch, *v. d. Byl*.**Septoria Drummondii** Ell. & Everh.

Verwoerd (1929 b) 22, (1931 a) 301 ; Hopkins (1938 a) 117, (1939 a) 33 ; Doidge & Bottomley (1931) 50.

on *Phlox Drummondii* Hook., Pretoria, *Doidge*, 26085 ; Prinshof, *Hean*, 30650 ; Johannesburg, *Rainier*, 30252, *Schreiber*, 34179 ; Durban, *McClean*, 30775 ; Sunnyside, Pretoria, *Bathurst*, 33761 ; Bloemfontein, *Verwoerd* ; Salisbury (Rh. 1598) Kew.

Septoria Evansii Syd.

- H. & P. Sydow (1912 c) 442 ; Sacc. Syll. Fung. XXV : 450.
 on *Chrysophyllum Magalismontanum* Sond., Wapadsnek, Pienaar, Type, 1975 ; Barberton,
v. d. Byl, 5133.

Septoria fructigena Berk. & Curt.

- Septoria Passiflorae* Louw (1941) 33.
 on *Passiflora edulis* Sims., Elim, Thomas, 33453 ; Entumeni, Fry, 33775 ; Frenchhoek,
Louw (Stell. 1063) ; Stellenbosch, Nel (Stell. 841) ; George, Clifton (Stell. 1037).
Passiflora quadrangularis Linn., Durban, 1014 ; Elim, Mingard, 28647.
Passiflora quitensis, Frenchhoek, Stellenbosch, Louw.
 Part of the type collection of *Septoria Passiflorae* Louw was examined at the I.M.I.
 and found not to differ from *S. fructigena* Berk. & Curt.

Septoria Gerberae Syd.

- H. & P. Sydow (1912 a) 43 ; Sacc. Syll. Fung. XXV : 416 ; Doidge & Bottomley
 (1931) 11 ; Verwoerd (1931 a) 301 ; Dippenaar (1931 c) 286 ; Hopkins
 (1938 a) 117, (1939 a) 20, (1943) 185 ; Nel (1942) 105.
 on *Gerbera Burmanni* Cass., Stellenbosch, Dippenaar (Stell. 913).
Gerbera discolor Sond., Salisbury, Hopkins (Rh. 5553).
Gerbera Jamesoni Bolus, Pretoria, Pole Evans, 24, Doidge, 9697 ; Barberton, Doidge,
 2013 ; Kaapmuiden, Hulley, 27579 ; Durban, *v. d. Byl* 484, 1284, 31773 ; Maritzburg,
Schmutz, 30097 ; Chase Valley, Wager, 33286 ; Grootfontein, nr. Harrismith, *v. d.*
Byl, 2312 ; Bloemfontein, Verwoerd ; Paarl, Cape Town, Caledon, Wynberg, Ver-
 woerd ; Stellenbosch, Verwoerd (Stell. 58) ; Salisbury, Hopkins (Rh. 137) Kew ;
 general in Southern Rhodesia, Hopkins.

Septoria Gladioli Pass.

- on *Gladiolus* sp., Stellenbosch, Dippenaar (Stell. 1000).

Septoria Gomphocarpi P. Henn.

- P. Hennings (1902) 39.
 on *Gomphocarpus* sp., Clanwilliam, Diels 571 a, Type.

Septoria graminum Desm.

- van der Byl (1922 d) 287.
 on *Triticum aestivum* Linn., Stellenbosch, *v. d. Byl* ; Elim, 2098.

Septoria Gymnosporiae Syd.

- H. & P. Sydow (1912 a) 43 ; van der Byl (1926 c) 289.
 on *Gymnosporia deflexa* Sprague, Driefontein, Doidge, 1828, Type.

Septoria Helianthi Ell. & Kellerm.

- Doidge & Bottomley (1931) 59 ; Verwoerd (1931 a) 300 ; Hopkins (1938 a) 117,
 (1939 a) 22 ; Nel (1942) 104.
 on *Helianthus annuus* Linn., Maritzburg, Pole Evans, 1385 ; Barberton, Parsons, 24902 ;
 Bloemfontein, Verwoerd ; Stellenbosch, Dippenaar (Stell. 511), *v. d. Byl* 1401 ; fairly
 common in the Union of South Africa, Doidge & Bottomley ; Salisbury, Hopkins
 (Rh. 1366) Kew ; Mtepetepa, Hopkins.

Septoria Helichrysi Syd.

H. & P. Sydow (1912) 443 ; Sacc. Syll. Fung. XXV : 416.

on **Helichrysum acutatum** DC., Nelspruit, *Liebenberg*, 26040.

Helichrysum nudifolium var. *leiopodium* (DC.) Moeser, The Thorns, *Pole Evans*, 1525.

Septoria Knowltoniae Verw. & Dipp.

Verwoerd & Dippenaar (1930 a) 327.

on **Knowltonia vesicatoria** Sims, Gordons Bay, *Verwoerd* (Stell. 72). Type.

Septoria Lactucae Pass.

Hopkins (1938 a) 117, (1939 a) 24.

on **Lactuca sativa** Linn., Bethal, *Floquet*, 26631 ; Gillitts, *Wager*, 33199 ; Verulam, *Wager* ; Durban, *Wager* ; Stellenbosch, *Dippenaar* (Stell. 1034) ; Salisbury (Rh. 2154).

Septoria Lolii (Cast.) Sacc.

Dippenaar (1931 c) 286 ; Nel (1942) 104.

on **Lolium** sp., Tulbagh, *Duthie* (Stell. 507, 905 ; v. d. Byl 2598).

Septoria longispora Miyake

Cardoso (1945) 150.

on **Oryza sativa** Linn., leaves, Chonguene, *Ribeiro Mendes*.

Septoria Lycopersici Speg.

Burt-Davy (1904) 296 ; van der Byl (1922 d) 287, (1926 c) 289 ; Verwoerd (1929 b) 27, (1931 a) 301 ; Doidge & Bottomley (1931) 64 ; Hopkins (1938 a) 117, (1939 a) 25 ; Nel (1942) 105.

on **Lycopersicum esculentum** Mill., Harden Heights, *Pole Evans*, 1980 ; Cavendish, *Wager*, 32463 ; Kilgobbin, *Fannin*, 31830 ; Grahamstown, *Dewar*, 262, *Schonland*, 21984 ; Kentani, *Pegler* 1982, 8856 ; Stellenbosch, *Verwoerd* (Stell. 9), v. d. Byl 641 ; Kuils River, *Bosman* (Stell. 510) ; Paarl, Wellington, *Verwoerd* ; Christiana, *Quin*, 1225 ; Haenertsburg, 105 ; Pretoria, *Burt Davy*, 98, *Pole Evans*, 221, 396, *Doidge*, 9695 ; Johannesburg, 235 ; Grasmere, *Kennard*, 27378 ; Nelspruit, 86, 6602 and *Liebenberg*, 26034 ; Zandfontein, Pretoria Distr., *Kresfelder*, 15459 ; New Agatha, *McCallum*, 26331 ; Bloemfontein, *Verwoerd* ; Salisbury, *Hopkins* (Rh. 491) Kew ; general in Southern Rhodesia, *Hopkins*.

Lycopersicum pimpinellifolium Mill., Pretoria, *Hean*, 32658.

Septoria Meliae Syd.

H. & P. Sydow (1912 c) 443 ; Sacc. Syll. Fung. XXV : 441.

on **Melia Azedarach** Linn., Maritzburg, *Pole Evans*, 1393.

Septoria Nesodes Kalchbr.

Kalchbrenner & Cooke (1880) 20 ; Sacc. Syll. Fung. III : 531.

Depazea Nesodes Thuem., von Thuemen (1875) 380.

Sphaeria Nesodes Berk. & Br. f. *Hydrocotyles asiaticae* von Thuemen (1875) 380.

on **Hydrocotyle asiatica** Linn., nr. Somerset East, *MacOwan* 1115, Type (Thuem. Myc. Univ. 1186 ; Rabenh. Fung. Eur. 3494 ; S.A.M. 35139) 3834, 20916, 21953, 21975, Kew ; Schagen, *Liebenberg*, 26078 ; Deepwalls, *Bottomley*, 32255 ; Eshowe, *Laughton*, 33517.

Septoria nodorum Berk.

Verwoerd (1930) 1 ; Doidge & Bottomley (1931) 67.

on *Triticum aestivum* Linn., Malmesbury, *Verwoerd* ; Stellenbosch, *Dippenaar* 33363, *Verwoerd* (Stell. 439) ; Paarl, *Louw* (Stell. 940).

Septoria Oenotherae West.

Nel (1942) 105.

on *Oenothera* sp., Stellenbosch, *Dippenaar* (v. d. Byl 2699).

Septoria Ornithogali Pass.

on *Ornithogalum lacteum* Jacq., Kentani, *Pegler* 2346, 9080, Kew.

Septoria Osteospermi Dipp.

Dippenaar (1931 c) 285 ; Nel (1942) 105.

on *Osteospermum moniliferum* Linn., Stellenbosch, *Dippenaar*, Type (Stell. 872, 891 ; v. d. Byl 2608), *Verwoerd* (Stell. 406) ; Tulbagh, *Dippenaar* (Stell. 999).

Septoria Passerini Sacc.

Dippenaar (1931 c) 286.

on *Hordeum murinum* Linn., Ceres, *Dippenaar* (Stell. 501, 502, 968).

Septoria Pelargonii Syd.

H. & P. Sydow (1912 c) 443 ; van der Byl (1922 d) 287 ; Sacc. Syll. Fung. XXV : 425 ; Doidge & Bottomley (1931) 26, 49 ; Verwoerd (1929 b) 21.

on *Pelargonium angulosum* Ait., Stellenbosch, *Verwoerd* (Stell. 118).

Pelargonium cucullatum Ait., Cape Town, 695, Type.

Pelargonium sp., Constantia, 9191 ; Stellenbosch, *Brain*, (v. d. Byl 221), *du Plessis* (Stell. 656) ; Paarl, Wynberg, Wellington, *Verwoerd* ; Bloemfontein, *Verwoerd* ; Genadendal, *Verwoerd* (Stell. 144), v. d. Byl 1282.

Septoria perforans McAlp.

Verwoerd & du Plessis (1931) 296.

as *Septoria* sp., Verwoerd (1929 b) 12.

on *Cryptostemma calendulaceum* R. Br., Stellenbosch, *Verwoerd* (Stell. 411), *Dippenaar* (Stell. 867, 977).

Septoria Petroselini Desm.

Pole Evans (1906 a) 139 ; Verwoerd (1929 b) 20 ; Doidge & Bottomley (1931) 46 ; Hopkins (1938 a) 118, (1939 a) 32 ; Nel (1942) 105.

on *Petroselinum hortense* Hoffm., Maritzburg, *Doidge*, 1991 ; Pretoria, *Burt Davy*, 175 ; Stellenbosch, Dieprivier, *Verwoerd* ; Hopefield, v. d. Byl 1001 ; Salisbury (Rh. 2542).

Septoria Pisi West.

Verwoerd (1929 b) 20 ; van der Byl (1922 d) 287 ; Doidge & Bottomley (1931) 47 ; Nel (1942) 105.

on *Pisum sativum* Linn., Cyferbult Siding, *I'Ons*, 18120 ; Brooklyn, Pretoria, *Schaefer*, 33756 ; Stellenbosch, *Verwoerd* (Stell. 101 ; v. d. Byl 80, 1179) ; Elgin, *Verwoerd* ; Paarl (Stell. 505) ; Grahamstown, *Pringle*, 34234.

Septoria Podocarpi Thuem.

von Thuemen (1878 a) 357 ; Sacc. Syll. Fung. III : 507.

on **Podocarpus latifolius** R.Br., Grahamstown, *MacOwan* 1253, Type.

Septoria Polygoni-lapathifolii v. d. Byl.

van der Byl (1928 b) 186 ; Nel (1942) 105.

on **Polygonum lapathifolium** Linn., Oudtshoorn, v. d. *Byl* 2489, Type ; ? Debbe's Ravine, *Bosman*, 32902.

Septoria pyricola Desm.

Doidge & Bottomley (1931) 49 ; Dippenaar (1931 c) 285 ; Nel (1942) 105.

on **Pyrus communis** Linn., Kingwilliamstown, *Dreyer*, 1183, *Kelly*, 9533 ; Belmont Valley, *Doidge*, 10953 ; Misgund, *Stone*, 18098 ; Stellenbosch, *du Plessis* (v. d. Byl 2604 ; Stell. 503, 942), *Dippenaar* (Stell. 969, 1001) ; Piquetberg, *Dippenaar* (Stell. 1038) ; Joubertina, *Reineike*, 34001 ; Elgin, *Louw* (Stell. 1054).

Septoria ranunculacearum Lév.

Verwoerd (1929 b) 24, (1930 a) 300 ; van der Byl (1925 b) 196 ; Nel (1942) 105.

on **Ranunculus Cooperi** Oliv., Umhlanga Rocks, *Wager*, 32709.

Ranunculus sp., Bloukransrivier, v. d. *Byl* 1376 ; Bloemfontein, *Verwoerd*.

Septoria Ribis Desm.

on **Ribes** sp., Johannesburg, 1516.

Septoria Rubi West.

Van der Byl (1922 d) 287 ; Verwoerd (1929 b) 8 ; Doidge & Bottomley (1931) 13 ; Nel (1942) 105.

on **Rubus cuneifolius** Pursh., Maritzburg, 30429.

Rubus loganobaccus Bailey, Stellenbosch, v. d. *Byl* 220.

Rubus ursinus Cham. & Schlecht., Stellenbosch, *Buller*, 6932, 7368, *Verwoerd* (Stell. 36).

Rubus spp., Stellenbosch, Somerset West, Piquetberg, Wynberg, Verwoerd ; George, *Reinecke* (Stell. 1039, 1040), *Dippenaar* (Stell. 1035) ; (Thornless Youngberry) Krakeel, *Reinecke*, 34150, 34214.

Septoria scabiosicola Desm.

Kalchbrenner (1882 a) 146 ; Hopkins (1939 a) 41.

on **Scabiosa columbaria** Linn., Cape, *MacOwan* ; Schagen, *Liebenberg*, 26175 ; Salisbury, *Hopkins*.

Septoria Schlechteriana P. Henn.

Hennings (1898) 295 ; Sacc. Syll. Fung. XVI : 969.

on **Asclepias fruticosa** Linn., Windhoek, *Schlechter*, Type/Kew.

Septoria Sparmanniae Verw. & du Pless.

Verwoerd & du Plessis (1931) 296 ; Nel (1942) 105.

on **Sparmannia africana** Linn., f., Bloukransrivier, v. d. *Byl* 2700, Type ; Noetze, *J. Phillips* (v. d. Byl 2231).

Septoria Thuemenii Sacc.

Sacc. Syll. Fung. III : 498.

Depazea Buddleiae Thuem., von Thuemen (1876 b) 571.on **Buddleia auriculata** Benth., Boschberg, *MacOwan 1251*, Type (Thuem. Myc. Univ. 1093) 20917, 21952.**Septoria Triticum** Desm.

Verwoerd (1929 b) 28, (1931 a) 3001; Doidge & Bottomley (1931) 67.

on **Triticum aestivum** Linn., Paarl, *Verwoerd* (Stell. 367); Stellenbosch, Malmesbury, *Verwoerd*; Bloemfontein, *Verwoerd*.**Septoria umbelliferarum** Kalchbr.

Kalchbrenner & Cooke (1880) 20; Sacc. Syll. Fung. III : 528.

on **Umbelliferae** undet., Somerset East, *MacOwan 1393*, Type, Kew.**Septoria Vignae** P. Henn.

Wickens (1937) 690; Hopkins (1938 a) 118, (1939 a) 47.

on **Vigna unguiculata** (L.) Walp., Matopos (Rh. 3217).**Septoria zeina** Stout? on **Sorghum vulgare** Pers., Salisbury, *Hopkins* (Rh. 4428).**Septoria** sp.

Eyles (1926) 633.

on **Cissus** sp., Southern Rhodesia, *Eyles*.**Septoria** sp.on **Eucomis punctata** L'Herit., Kentani, *Pegler 2378*, Kew.

GENUS DUBIUM.

Levieuxia natalensis Fr.

Fries (1848) 32; Sacc. Syll. Fung. III : 321; von Höhnelt (1910 b) 654; Petrak & Sydow (1927) 89.

on bark, Natal, *Wahlberg*, Kew ex Herb. Berk.

NECTRIOIDACEAE.

HYALOSPORAE.

Zythia Welwitschiae P. Henn.

P. Hennings (1903) 168; Sacc. Syll. Fung. XVIII : 409.

on **Welwitschia Bainesii** (Hook. f.) Carr., Buraco nr. Mossamedes, *Baum 1 a*, Type, Kew.

PHAEOSPORAE.

Harknessia uromycoides Speg.

Doidge & Bottomley (1931) 23.

on **Eucalyptus amygdalina** Lab., Irene, *Doidge*, 2261.

LEPTOSTROMATACEAE.

HYALOSPORAE.

Gloeodes pomigena (Schw.) Colby

Doidge & Bottomley (1931) 8; Hopkins (1938 a) 118, (1939 a) 39; Hopkins & Bacon (1938) 408.

on *Pyrus malus* Linn., fruit, Highbury, *Mingay*, 2707; Belfast, *Hall*, 33117; Salisbury (Rh. 1539); Umtali (Rh. 3435); Inyanga, M'Soneddi, *Hopkins*.

Leptothyrium Evansii Sydi

H. & P. Sydow (1912 c) 443.

on *Encephalartos* sp., Mountain Rise, *Doidge*, 864, Type.

Leptothyrium Pomi (Mont. & Fr.) Sacc.

Doidge & Bottomley (1931) 7.

on *Pyrus malus* Linn., Belfast, *Hall*, 33118; Donnybrook, *Dearlove*, 17078; Haenertsburg, *Bottomley*.

Melasmia confluens (Kalchbr. & Cooke) v. Höhn.

von Höhnelt (1910 a) nr. 490.

Asterina confluens Kalchbrenner & Cooke (1880) 33; Sacc. Syll. Fung. I: 49.

Doidge (1942 a) 325.

on *Canthium ciliatum* O. Kze., Boschberg, *MacOwan* 1259, 1331 (Thuem. Myc. univ. 775, sub *Meliola Psilostomae* Thuem.) Kew.

Melasmia Parinarum P. Henn.

Hennings (1903) 168; Sacc. Syll. Fung. XVIII: 425.

on *Parinarium Mobola* Oliv., between Kūbango and Kassinga, *Baum* 924, Kew.

Sirothecium Citri Bitanc.

as *Gloeodes pomigena* (Schw.) Colby, van der Plank (1933) 3.

as *Leptothyrium Pomi* (Mont. & Fr.) Sacc., Doidge & Bottomley (1931) 45.

conidial form of *Stomiopeltis Citri* Bitanc.

on *Citrus sinensis* Osbeck, Nelspruit, *Loest*, 33483; Chase Valley, *Wager*; Gillits, *Wager*; common on fruit in northern and eastern Transvaal and in Natal, v. d. Plank.

PHAEOSPORAE.

Asterostomella eugenicola Doidge

Doidge (1942 a) 330, 338.

on *Eugenia natalitia* Sond., Hogsback, *Henderson*, 11340, Type.

Asterostomella Visci Doidge

Doidge (1942 a) 330, 338.

on *Viscum obscurum* Thunb., Assegai Bush, *Doidge*, 17237, Type: Langholm Estates, *Doidge*, 12366; Belmont Valley, *Doidge*, 10951; Knysna, *Bottomley*, 32114, 32237.

SCOLESCOPORAE.

Leptostromella Acaciae Syd.

H. & P. Sydow (1912 a) 43 ; Sacc. Syll. Fung. XXV : 522 ; van der Byl (1926 c) 289.

on *Acacia Rehmanniana* Schinz, legumes, Pietersburg, *Doidge*, 1843, Type.

Thyrynula eucalyptina Petrak & Syd.

Petrak & Sydow (1924) 373 ; *Doidge* (1942 a) 275.

see also *Lembosiopsis eucalyptina* Petrak & Syd.

on *Eucalyptus gigantea* Dehnh., Jessievale, *D.F.O.*, 17266.

Eucalyptus globulus Lab., Woodbush, *Doidge*, 17753.

*Genus dubium***Sacidium Gomphocarpi** Kalchbr. & Cooke

Kalchbrenner & Cooke (1880) 20 ; Sacc. Syll. Fung. III : 651.

on *Asclepias fruticosa* Linn., Somerset East, *MacOwan* 1434, Type, Kew.

EXCIPULACEAE.

HYALOSPORAE.

Schizothyriella Eylesiana v. d. Byl

van der Byl (1928 b) 187 ; Hopkins (1938 a) 119 ; Nel (1942) 98.

on *Vangueria* sp., Salisbury, *Eyles* 5282, Type (v. d. Byl 2505).

HYALOPHRAGMIAE.

Oncospora bullata Kalchbr. & Cooke

Kalchbrenner & Cooke (1880) 19 ; Sacc. Syll. Fung. III : 691 ; Nel (1942) 98 ; *Doidge* (1948 a) 878.

Conidial form of *Bulgariastrum bullatum* (Kalchbr. & Cooke) *Doidge*.

on *Capparis citrifolia* Lam., Somerset East, *MacOwan* 23, Type ; Kaffraria, *MacOwan*, Kew ; Alexandria, *Doidge*, 22346 ; Knysna Heads, *Schonland*, 12512 ; Knysna, *Bottomley*, 32260, 32241, *Laughton*, 34302, 34311, 34314 ; The Wilderness, *Doidge*, 17122 ; Bonza Bay, *Bottomley*, 26680 ; Kingwilliamstown, *Weale* (ex Herb. *McOwan*) 20806 ; Port Alfred, *Wager*, 28827 ; Kowie, *Stent*, 7789 ; Grahamstown, *Hansford*, 33476 ; Kasouga River, *Archibald*, 33522 ; Bushman's River, *Archibald*, 33521.

Capparis Flanaganii Gilg. & Ben., Boschberg, *MacOwan* 1273 a, 20982 ; Bushman's River, *Archibald*, 33523.

Capparis Gueinzii Sond., Uitenhage, *Pienaar*, 2362.

Capparis sp., Keurboom, v. d. *Byl* 367, 1360 ; Knysna, *Duthie* (v. d. Byl 61).

Oncospora viridans Kalchbr. & Cooke

Kalchbrenner & Cooke (1880) 20 ; Nannfeldt (1932) 86 ; *Doidge* (1948 a) 876.

Sphaeropsis abnormis Berk. & Thuem., von Thuemen (1881) no. 1675.

Ephelis viridans (Kalchbr. & Cooke) Sacc. Syll. Fung. III : 691.

Sphaeropsis enormis Sacc. Syll. Fung. X : 254.

Conidial form of *Bulgariastrum africanum* Syd.

on *Capparis Rudatisii* Gilg. & Ben., Somerset East, *MacOwan* 1273 b, Type, 20814, Kew ; Uitenhage, *MacOwan* (Thuem. Myc. Univ. 1675) 21977 ; Alexandria, *Doidge*, 22373.

SCOLECOSPORAE.

Plidium Eucleae (Kalchbr. & Cooke) Sacc.

Sacc. Syll. Fung. III : 689 ; Nel (1942) 98.

Protostegia Eucleae Kalchbrenner & Cooke (1880) 19.

Septoria Eucleae Kalchbr., in mss.

on **Euclea divinorum** Hiern., Cango Valley, *Doidge*, 10895 ; Maritzburg, *Bews*, 11028 ; Assegai Bush, *Doidge*, 17241 ; Diep Rivier, Knysna, *J. Phillips*, 20384 ; Blauwkrantz Valley, *Pentz*, 30925.

Euclea lanceolata E. Mey., Pretoria, *Pole Evans*, 11793, *Mogg*, 23634 ; Zilikats Nek, *Doidge*, 13088 ; Fairy Glen, *Doidge*, 23429 ; Waterkloof Ravine, *Mogg*, 23474 ; Hartebeestpoort, *Young*, 21020 ; Buffalo Bay, *J. Phillips* (v. d. Byl 2216) ; Waterkloof Ridge, *Talbot*, 35125.

Euclea natalensis A.DC., Xumeni Forest, *Morgan & Doidge*, 29834 ; Debbe's Ravine, *Reinecke*, 29877 ; Schagen, *Liebenberg*, 26578, 29909 ; Nelspruit, *Liebenberg*, 26039.

Euclea racemosa Murr., Alexandria, *Doidge*, 22431 ; Uitenhage, *Doidge*, 22409.

Euclea undulata A.DC., Boschberg, *MacOwan* 1340, 1409 (Rabenh. Fung. Eur. 3989) 4329, 21966, 22032, Kew.

Euclea spp., Barberton, v. d. Byl, 5135 ; Knysna, *Bottomley*, 32124 ; Entabani, *Lughton*, 33596 ; Piesanghoek, *Watson*, 35150.

MELANCONIALES.

MELANCONIACEAE.

HYALOSPORAE.

Colletotrichum Agaves Cav.

Doidge & Bottomley (1931) 56 ; Nel (1942) 99.

on **Agave sisalana** Perr., Winkle Spruit, *Gessner* (v. d. Byl 497) 9767, 31780 ; Durban, v. d. Byl 197.

Colletotrichum anonicola Speg.

Verwoerd (1929 b) 11 ; *Doidge & Bottomley* (1931) 22 ; Nel (1942) 99.

on **Annona reticulata** Linn., Stellenbosch, *Verwoerd* (Stell. 71 ; v. d. Byl 1178).

Annona chrysophylla Boj., Schagen, *Liebenberg*, 32906.

Colletotrichum Antirrhini Stew.

Wickens (1937) 690 ; *Hopkins* (1938 a) 118, (1939 a) 5.

on **Antirrhinum Majus** Linn., Bulawayo (Rh. 3158).

Colletotrichum atramentarium (Berk. & Br.) Taubenh.

Doidge & Bottomley (1931) 52 ; *Hopkins* (1932) 464, (1938 a) 118, (1939 a) 43 ;

Wickens (1937) 690.

Vermicularia varians Ducom., *Doidge* (1914) 879 ; *Eyles* (1936) 465.

on **Solanum Melangena** Linn. var. *esculentum* Nees, Rhodesia, *Wickens*.

Solanum tuberosum Linn., Pretoria, *Doidge*, 7730 ; Plettenberg Bay, *Derbyshire*, 14821 ;

Sinoia, *Eyles* ; Salisbury (Rh. 2166, 3503) ; Trelawney (Rh. 3310).

Colletotrichum brachytrichum Del.

Verwoerd & du Plessis (1933) 223 ; Nel (1942) 99.

on **Theobroma Cacao** Linn., Univ. Bot. Gard., Stellenbosch, *du Plessis* (Stell. 636 ; v. d. Byl 2678).

Colletotrichum Camelliae Mass.

- Hopkins (1938 a) 118, (1939 a) 45, (1943) 181.
 on *Camellia japonica* Linn., Penhalonga (Rh. 3447).
Thea sinensis Linn., Chipinga (Rh. 518, 520).

Colletotrichum Carica Stev. & Hall

- Doidge & Bottomley (1931) 23.
 on *Ficus carica* Linn., fruit rot, Cape, Transvaal, Natal.

Colletotrichum cereale Manns

- on *Lepturus cylindricus* Trin., Signal Hill, *Thompson*, 14675 a.
Lolium perenne Linn., Signal Hill, *Thomson*, 14675 b.

Colletotrichum circinans (Berk.) Vogl.

- on *Allium Cepa* Linn., Natal, *Fuller*, 1972 ; Grootfontein, Cape, 2360 ; Oudtshoorn, *Pont*, 34172.

Colletotrichum coffeanum Noack

- Hopkins (1932) 463.
 sub *Glomerella cingulata* (Stonem.) Spauld. & v. Schrenk., Hopkins (1938 a) 101, (1939 a) 14.
 on *Coffea* sp., Bindura (Rh. 1652) ; Chipinga (Rh. 2379).

Colletotrichum Dematium (Fr.) Grove

- Vermicularia Dematium* Fr., Kalchbrenner (1882 a) 146.
 on *Allium Schoenoprasum* Linn., Somerset East, *MacOwan* (S.A.M. 35110).
Carex petitiiana A. Rich., Somerset East, *MacOwan* 1353.
Lycopersicum esculentum Mill., Pretoria, *v. d. Merwe*, 34428.

Colletotrichum falcatum Went.

- Stevenson & Rands (1938) 263 ; *McMartin* (1941) 587, (1943) 51.
 on *Saccharum officinarum* Linn., Mt. Edgecombe, *McMartin*, 33572 ; Eshowe, *McMartin* ;
 Upper Tongaat, Tongaat, Powerscourt, Empangeni, *McMartin*.

Colletotrichum gloeosporioides Penz.

- Burt-Davy (1905) 286 ; Eyles (1926) 633 : Doidge (1929 b) 324 ; Verwoerd (1929 b) 15, (1931 a) 301 ; Doidge & Bottomley (1931) 10, 27, 33, 39, 43 ;
 Doidge & van der Plank (1936) 17 ; Bates (1937 b) 189 ; Hopkins (1938 a) 118 ; Cardoso (1935) 184, (1937) 155, (1938) 75, (1939) 44, (1945) 151-153.
 sub *Glomerella cingulata* (Stonem.) Spauld. & v. Schrenk, Hopkins (1939 a) 11, 12.
 on *Citrus Limonia* Osbeck, fruit, twigs and leaves, Malagazi, *Wager*, 32713 ; Tshokwane, *Liebenberg*, 30961 ; Citrusdal, Verwoerd (Stell. 386) ; Salisbury, Hopkins (Rh. 174) Kew ; Trelawney, Mazoe, *Hopkins* ; Rhodesia, *Pallister*, 12495 ; Umbeluzi, *Cardoso*.
Citrus maxima Merr., twigs and fruit, Acornhoek, *Campbell*, 17049 ; Mazoe, Rusapi, *Hopkins* ; Magude, *Cardoso*.
Citrus nobilis Leur. var. *deliciosa* Sw., Town Bush Valley, *Kent*, 24888 ; Wellington, *du Plessis* (Stell. 594) ; Salisbury, *Hopkins* (Rh. 54, 1537) ; Xinavane, *Cardoso* ; Quelimane, *Guimarães*.

on *Citrus sinensis* Osbeck, fruit and twigs, Clumber, *Long*, 19861 : Somerset East, Brown 11805 ; Weenen, *Williams*, 8403 : Johannesburg, *Greathead*, 7347 : Premier Mine, *Dickson*, 15665 ; Wolhuter's Kop, 1462 ; de Kroon, *Doidge*, 17023 : Rustenburg, *Johnson*, 8942 ; Nelspruit, *Hall*, 6675, *Esselen*, 24887 ; White River, *Brembridge*, 24336 ; Acornhoek, *Lawton*, 20380 ; Athol, *Forbes*, 441 ; Piet Retief, *Hansen*, 317 ; Pienaar's Poort, *Pearse*, 11233 ; Vredefort, *Caldecott*, 7348 : Pretoria, 189 : Umtali, Salisbury, Mazoe, *Eyles* ; Mazoe, *Bates* ; general in Southern Rhodesia, *Hopkins* ; Manhiça, *Howard*, 489 ; Umtali, *Baker*, 7399 ; Magude, *Cardoso* ; Lourenço Marques, *de Sousa* Quelimane, *Guimarães*.

on *Citrus* spp., Lourenço Marques, *de Sousa*, *Frias* Umbeluzi, *Cardoso* Magude, *Cardoso* ; Xinavane, *Cardoso*.

isolated from

Mangifera indica Linn., surface of leaf, Mazoe, *Bates* 343 a, 34004.

on *Persea americana* Mill., Pinetown, *Cockerton*, 26603 ; Nelspruit, *Hall*, 25371 : Godwan River, *Murray*, 28267 ; Alkmaar, *Blatt*, 30934 ; Capetown market, *Verwoerd*.

Colletotrichum Glycines Hori

sub *Glomerella Glycines* (Hori) Lehm. & Wolf, Bottomley (1932) 107.

on *Glycine Max* Merr., Cedara, *Staples*, 24341.

Melilotus alba Desr., Groenkloof, *du Preez*, 27594.

Colletotrichum Gossypii South.,

Eyles (1924) 593, (1926) 637 ; *Verwoerd* (1929 b) 11.

sub *Glomerella Gossypii* (South.) Edgert., *Hopkins* (1930) 523 ; *Doidge* & Bottomley (1931) 20 ; *Cardoso* (1937) 152, (1938) 76, (1939) 44.

on *Gossypium* spp., Pretoria, *Burt Davy*, 174 ; Maritzburg, *Doidge*, 853 ; Louis Trichardt, *Hennings* ; Magut, *Parsons* ; Stellenbosch, *Verwoerd* (Stell. 236) ; Lourenço Marques, *J. A. Evans* ; Bulawayo, *Rusapi*, *Eyles*, *Hopkins* ; Sul do Save, *Cardoso*.

Colletotrichum graminicolum (West.) Wilson

Hopkins (1939 a) 50.

on *Sorghum halepense* Pers., Wonderboom, *Pole Evans*, 1520.

Sorghum sudanense Stapf, Rhodesia, *Mundy*, Kew.

Zea Mays Linn., Mazoe, *Hopkins*.

Colletotrichum Kickxiae Verw. & du Pless.

Verwoerd & du Plessis (1933) 223 ; *Nel* (1942) 99.

on *Funtumia elastica* Stapf, Univ. Bot. Gard., Stellenbosch, *du Plessis*, Type (Stell. 609 ; v. d. Byl 2679).

Colletotrichum lagenarium (Pass.) Ell. & Halst.

Pole Evans (1907 f) 681 ; *Eyles* (1926) 638 ; *Verwoerd* (1929 b) 88 ; *Doidge* & Bottomley (1931) 21, 66 ; *Hopkins* (1938 a) 118, (1939 a) 15.

Gloeosporium lagenarium Pass., *Nel* (1942) 99.

on *Citrullus vulgaris* Schrad., Skinner's Court, *Stent*, 233 ; Ermelo, *Brink* (v. d. Byl 1328) ; Koffiefontein, *Blakeney*, 27380.

Cucumis sativus Linn., Pretoria, *Doidge*, 24912 ; Stellenbosch, *Verwoerd* ; Charter, *Eyles* ; Salisbury (Rh. 2061) ; Cavendish, *Wager*.

Cucurbita Pepo Linn., Buffelspoort, *Doidge*, 30760.

Colletotrichum lindemuthianum (Sacc. & Magn.) Bri. & Cav.

Pole Evans (1906 a) 134 ; Verwoerd (1929 b) 8, (1931 a) 301 ; Doidge & Bottomley (1931) 25 ; Hopkins (1932) 464, (1938 a) 118, (1939 a) 7, 32, 47 ; Cardoso (1937) 156, (1939) 45, (1945) 156.

sub *Glomerella lindemuthianum* (Sacc. & Magn.) Shear, Doidge & Bottomley (1931) 21.

on **Brachystegia Randii** Bak. f., Salisbury (Rh. 2079).

Crotalaria juncea Linn., Glendale (Rh. 360) ; Salisbury (Rh. 1282).

Phaseolus coccineus Linn., common and widespread.

Phaseolus vulgaris Linn., Pretoria, 735 ; Barberton, 90 ; Piesanghoek, Watson, 25443 ; Nelspruit, *Wilhelm*, 10719 ; Durban, *McCLean*, 24884 ; Oudtshoorn, George, *Verwoerd* ; Bloemfontein, *Verwoerd* ; Salisbury (Rh. 234, 745) ; Umvukwes (Rh. 737) ; Umtali (Rh. 3455) ; Lourenço Marques, *Hardenberg*, 17270 ; Umbelusi, *Guimarais* ; Manhiça, *Mota*.

Vigna unguiculata (L.) Walp., Cedara, *Staples* 15431, 15437 ; Salisbury (Rh. 1986).

Colletotrichum malvarum Braun & Casp.

Hopkins (1938 a) 118, (1939 a) 4.

on **Althaea rosea** Cav., Salisbury (Rh. 492, 556).

Colletotrichum nigrum Ell. & Halst.

Cardoso (1945) 156.

on **Capsicum frutescens** Linn., Lourenço Marques, *Nascimento*.

Colletotrichum omnivorum Halst.

Eyles (1926) 632 ; Hopkins (1930) 415.

on **Desmodium spirale** DC., stems, Salisbury, *Eyles*.

Colletotrichum Orchidearum Allesch.

Verwoerd & du Plessis (1933) 224 ; Nel (1942) 99.

on **Bifrenaria Harrisoniae** Reichb., in greenhouse, Stellenbosch, *du Plessis* (Stell. 653).

Catasetum macrocarpum Rich., in greenhouse, Stellenbosch, *du Plessis* (Stell. 661).

Catasetum maculatum Kunth., in greenhouse, Stellenbosch, *du Plessis* (Stell. 607).

Cattleya Alfredi Hort., in greenhouse, Stellenbosch, *du Plessis* (Stell. 643).

Cattleya Imperatrix Hort., in greenhouse, Stellenbosch, *du Plessis* (Stell. 641).

Cattleya Rembrandt Hort., in greenhouse, Stellenbosch, *du Plessis* (Stell. 645).

Cattleya Suzanne Hort., in greenhouse, Stellenbosch, *du Plessis* (Stell. 642).

Cattleya Thayeriana Hort., in greenhouse, Stellenbosch, *du Plessis* (Stell. 644).

Cattleya sp., in greenhouse, Stellenbosch, *du Plessis* (v. d. Byl 2681).

Cyrtopodium punctatum Tinal, in greenhouse, Stellenbosch, *du Plessis* (Stell. 647).

Ornithidium densum Reichb., in greenhouse, Stellenbosch, *du Plessis* (Stell. 634).

Colletotrichum Papayae (P. Henn.) Syd.

Gloeosporium Papayae P. Henn., Eyles (1926) 645 ; Doidge & Bottomley (1931) 46 ;

Hopkins (1938 a) 119, (1939 a) 9 ; Nel (1942) 99.

on **Carica Papaya** Linn., stems, petioles, fruit, Hillarys, *Doidge*, 1910 ; East London, *Slemert*, 23400 ; Malelane, *Atmore*, 23677 ; *Wager*, 23678 ; Buffelspoort, *Doidge*, 23505, 23679, *Bottomley*, 25455, 25940, 25941 ; Pretoria, *Maçais*, 30648 ; Durban, v. d. Byl 216 ; Winkle Spruit, v. d. Byl 487, 31776 ; Salisbury, *Eyles* ; Gwelo, Essexvale, Salisbury, Mazoe, Rusapi, *Hopkins*.

Colletotrichum phomoides (Sacc.) Chester

Doidge & Bottomley (1931) 63 ; Hopkins (1938 a) 118, (1939 a) 25 ; Cardoso (1939) 45, (1945) 157.

on **Lycopersicum esculentum** Mill., fruit, Barberton, *Doidge*, 15510 ; Salisbury, (Rh. 1833, 3760) ; Chester, *Hopkins* ; Umbeluzi, *Guimarãis* ; Mazoe, *Bates*, (in culture) 34005.

Colletotrichum Pterocelastris Wakef.

Wakefield (1922) 165 ; van der Byl (1925 b) 196 ; Nel (1942) 99.

on **Pterocelastrus tricuspidatus** Sond., Knysna, v. d. *Byl* 404, Type, Kew.

Colletotrichum rhodocyclum (Mont.) Petrak

see *Glomerella phacidiomorpha* (Ces.) Petrak

Colletotrichum Trifolii Bain & Essary

Doidge & Bottomley (1931) 35.

on **Medicago sativa** Linn., Wonderboom, *Pole Evans*, 1300 ; Pretoria, *Bottomley*, 20442 ; Potchefstroom, *Holmes Smith*, 9426 ; Kirkwood, 15454.

Colletotrichum sp.

sub *Colletotrichum atramentarium* (Berk. & Br.) Taubenh., Hopkins (1938 a) 118, (1939 a) 16.

on **Cyamopsis psoralioides** DC., Glendale (Rh. 1250).

Desmodium leiocarpum G. Don., Rhodesia, *Hopkins*.

Colletotrichum sp.

Hopkins (1932) 466.

on **Hydrangea opuloides** Koch, Rhodesia, *Hopkins*.

Gloeosporium affine Sacc.

Verwoerd & du Plessis (1933) 225.

on **Coelogyne cristata** Lindl., Univ. Bot. Gard., Stellenbosch, *du Plessis* (Stell. 640).

Gongora galeata Reichb., Univ. Bot. Gard., Stellenbosch, *du Plessis* (Stell. 611).

Gloeosporium amygdalinum Brizi

Doidge (1924 b) 2 ; Dippenaar (1931 b) 267 ; Verwoerd (1929 b) 267 ; Doidge & Bottomley (1931) 4.

on **Prunus communis** Fritsch, Groot Drakenstein, *Doidge*, *Verwoerd* and *Baker*, 9301 ; Stellenbosch, Paarl, Wellington, Tulbagh, Malmesbury, Piquetberg, Elgin, *Dippenaar*.

Gloeosporium cocophilum Wakef.

on **Cocos nucifera** Linn., fruit, Inhaca Is., *Mogg*, 34155.

Gloeosporium crocatum Sacc.

on **Euphorbia triangularis** Desf., Amanzimtoti, *Doidge*, 1655 ; nr. Grahamstown, *R. A. Dyer*, 23616.

Gloeosporium epicarpium Thuem.

Doidge & Bottomley (1931) 65.

on **Juglans regia** Linn., Natal and Cape ; Zeerust and Pietersburg ; Toise River, 709 ; Kuilfontein, Zeerust Distr., *Pringle*, 28795.

Gloeosporium fructigenum Berk.

- Pole Evans (1906 a) 132 ; Doidge & Bottomley (1931) 6 ; Lounsbury (1910) 355.
 ? *Gloeosporium Cydoniae* Mont., von Thuemen (1878) 357.
 sub *Glomerella cingulata* (Stonem.) Spauld. & v. Schrenk, Hopkins (1938 a) 101, (1939 a) 19, 35, 36, 37, 42.
 on *Cydonia oblonga* Mill., nr. Somerset East, *MacOwan* ; Makoni, Inyanga, *Hopkins*.
Eriobotrya japonica Lindl., Hunter's Road (Rh. 1156) ; Salisbury, *Hopkins*.
Punica granatum Linn., Cape Town, *Davis*, 33264 ; Mazoe, *Hopkins* (Rh. 4905).
Prunus salicina Lindl., Salisbury, *Hopkins*.
Pyrus communis Linn., Pretoria, *Doidge & Bottomley* ; Inyanga, *Hopkins* (Rh. 3748).
Pyrus malus Linn., Clumber, *Hulley*, 2548 ; Bedford, 6585 ; Kingwilliamstown, *Kelly*, 9532 ; Umtata, *Hart*, 12309 ; Long Kloof, Honeykloof, George, *Lounsbury* ; Mountain Rise, *Doidge*, 880 ; Maritzburg, *J. M. Sim*, 8869 ; Town Bush Valley, *Hodgson*, 17193 ; Pretoria North, *Maynard*, 15526 ; Johannesburg, *Rocher*, 21931 ; Haenertsburg, 1244 and *Long*, 29961 ; Elim, 33119 ; Salisbury, *Hopkins* (Rh. 112, 834) ; Zimbabwe (Rh. 196, 244) ; Umtali (Rh. 886, 1202) ; Arcturus (Rh. 3473) ; Cashel, M'Soneddi, *Hopkins*.
Rubus rigidus Sm., East London, *Flement*, 26091.
Solanum incanum Linn., Trelawney, *Hopkins*.
Solanum melangena Linn. var. *esculentum* Nees, Trelawney, *Hopkins*.

Gloeosporium Helichrysi Wint.

- Winter (1885 b) 34 ; Sacc. Syll. Fung. X : 459.
 on *Helichrysum coriaceum* Sond., Tarlton, *Liebenberg*, 29896.
Helichrysum setosum Haw., Fairy Glen, *Doidge*, 23619.
Helichrysum undatum Less., Kokstad, *Mogg*, 12459.
Helichrysum spp., Somerset East, *MacOwan* ; Garstfontein, *Doidge*, 1417.

Gloeosporium limeticolum Claus.

- Cardoso (1937) 155, (1938) 75, (1939) 44.
 on *Citrus Limonia* Osbeck., Sul do Save, *Cardoso* ; Umbeluzi, *Cardoso*.

Gloeosporium Mangiferae P. Henn.

- Hopkins (1938 a) 119, (1939 a) 25.
 sub *Colletotrichum gloeosporioides* Penz., Doidge & Bottomley (1931) 37 ; Cardoso (1937) 155, (1938) 75, (1939) 44.
 on *Mangifera indica* Linn., Malvern, 1942 ; Chase Valley, *Wager*, 32459 ; Cavendish, Durban, *Wager* ; Nelspruit, *Bester*, 26661, 26662, *Hall*, 8898, *Wager*, 26664 ; Pretoria, *Pole Evans*, 1000 ; Lourenço Marques, 15536 and *da Silva* ; Sul do Save, *Cardoso* ; Nahotas, *Cardoso* ; Umbeluzi, *Guimarães* ; Moçambique (Rh. 2356) ; Umtali (Rh. 2945).

Gloeosporium Musarum Cooke & Mass.

- Pole Evans (1906 a) 133 ; Verwoerd (1929 b) 7 ; Doidge & Bottomley (1931) 11 ; Hopkins (1938 a) 119, (1939 a) 26 ; Cardoso (1939) 44.
 sub *Glomerella cingulata* (Stonem.) Spauld. & v. Schrenk, Hopkins (1943) 187.
 on *Musa Cavendishii* Lamb., common on the Natal coast.
Musa paradisiaca Linn. var. *sapientum* Ktze., Moçambique, *Cardoso* ; Umtali (Rh. 2211) ; Goromonzi (Rh. 2444) ; Mazoe, Salisbury, Umtali, *Hopkins* ; East London, *MacOwan*, Kew : common on the Natal coast ; Klein Brak, Cape Town, Stellenbosch, on fruit exposed for sale, *Verwoerd* ; Mazoe, *Bates* 291 (in culture) 34009 ; Manhiça, *Guimarães*.

Gloeosporium Myricae Dipp.

Dippenaar (1931 c) 284 ; Nel (1942) 99.

on **Myrica cordifolia** Linn., Wemmershoek Siding, Dippenaar, Type (v. d. Byl 2611) ; French Hoek, *Dippenaar* (Stell. 412, 925).**Gloeosporium olivarum** Alm.on **Olea europaea** Linn., Stellenbosch, *Dippenaar*, 33360.**Gloeosporium Passiflorae** Speg.sub *Glomerella cingulata* (Stonem.) Spauld. & v. Schrenk, Hopkins (1938 a) 119, (1939 a) 31, (1939 c) 592, (1942) 187.on **Passiflora edulis** Sims, White River, *Esselen*, 24910 ; Vryheid, *Wager*, 32717 ; Amandas (Rh. 2174) ; Salisbury (Rh. 3711).**Gloeosporium Psidii** Del.*Glomerella Psidii* (Del.) Sheld., Eyles (1926) 641 ; Hopkins (1930) 526.sub *Glomerella cingulata* (Stonem.) Spauld. & v. Schrenk, Hopkins (1938 a) 101, (1939 a) 36.
on **Psidium Guajava** Linn., Shamva and Mazoe, *Eyles* ; Salisbury (Rh. 956) ; Mataffin, *Hall*, 34089.**Gloeosporium Ptychospermatis** P. Henn.

Verwoerd & du Plessis (1933) 226.

on **Kentia** sp., Stellenbosch, *Verwoerd* (Stell. 397) ; ? Uitenhage, *Smith*, 26411.**Gloeosporium Sansevieriae** Verw. & du Pless.

Verwoerd & du Plessis (1931) 291.

on **Sansevieria zeylanica** Willd., Univ. Bot. Gard., Stellenbosch, *Verwoerd* (Stell. 427), Type.**Gloeosporium Sclerocaryae** Pole Evans

nom. nud., Doidge & Bottomley (1931) 38.

on **Sclerocarya caffra** Sond., on fruit, Warmbaths, *Doidge*, 911 ; Zoutpansberg, *Thomsen*, 18056.**Gloeosporium venetum** Speg.

Hopkins (1939 a) 622.

sub *Plectodiscella veneta* Burkh., Hopkins (1939 a) 41.on **Rubus loganobaccus** Bailey, Umtali and Inyanga, *Hopkins*.**Rubus** spp., Gonubie, *Flement*, 26092 ; S. Rhodesia, *Hopkins*.**Gloeosporium** sp.

Bottomley (1915) 371-374.

on **Schinus molle** Linn., Maritzburg, *Schmutz*, 8288 ; Grahamstown, *Haines*, 13024.**Myxosporium corticola** Edgert.

Doidge & Bottomley (1931) 8.

on **Pyrus malus** Linn., on twigs, Natal and Transvaal.

Vermicularia Capsici Syd.

on *Phaseolus acutifolius* Gray var. *latifolius* Freem, Immerpan, *P. v. Zyl*, 25365.

Vermicularia herbarum West. f. *Dianthi* West.

Vermicularia Dianthi West., Kalchbrenner & Cooke (1880) 19; Kalchbrenner (1882 a) 146.

Vermicularia herbarum West., Sacc. Syll. Fung. III : 226.

on *Dianthus* sp., Somerset East, *MacOwan* 1435, Kew.

PHAEOSPORAE.

Melanconium Fourcroyae Syd.

H. & P. Sydow (1912 c) 443 ; Sacc. Syll. Fung. XXV : 580.

on *Furcraea gigantea* Vent., Durban, *Doidge*, 2157, Type.

Melanconium Sacchari Mass.

van der Byl (1921 h) 125 ; McMartin (1937 b), (1937 a) 126, (1938) 215 ; Stevenson & Rands (1938) 281 ; Nel (1942) 99.

on *Saccharum officinarum* Linn. Durban, *Smith*, 7357, *McClellan*, 23084 ; Mount Edgecombe, *McMartin*, 33573 ; Durban (Stell. 327) ; Natal Coast, *v. d. Byl* 549.

Stichospora disciformis Petrak

Petrak (1927) 195.

on *Myrica conifera* Burm. f., Krantzkloof, *v. d. Byl* 8396, Type.

Conidial form of *Stichodothis disciformis* (Wint.) Petrak.

HYALODIDYMAE.

Actinonema Rosae (Lib.) Fr.

Pole Evans (1906 a) 141 ; Verwoerd (1929 b) 25, (1931 a) 300 ; van der Byl (1922 d) 287. *Doidge* & Bottomley (1931) 55 ; Cardoso (1939) 45, (1945) 162.

Diplocarpon Rosae Wolf, Hopkins (1938 a) 103, (1939 a) 41 ; Cardoso (1938) 76.

on *Rosa* spp., Pretoria, *Pole Evans*, 140, *Gower*, 17092, *Hean*, 30637, *Mogg*, 31289, 32384 ; Standerton, *Wahl*, 23698 ; Phoenix, *Wager*, 33201 ; Kentani, *Pegler* 2376, 9309, Kew, *Pegler* 2403, 9741 ; Steynsburg, 28520 ; Bloemfontein, *Potts*, 9754 ; Bloemfontein, *Verwoerd* ; Stellenbosch, *Verwoerd* (Stell. 96), *Dippenaar* (Stell. 858, 859), *v. d. Byl* ; Newlands, Paarl, Wellington, *Verwoerd* ; Malagazi, Isipingo Valley, Umtentwini, Verulam, *Wager* ; Lourenço Marques, *Mota* ; Manhiça, *Guimarães* ; Salisbury, Umtali, Stapleford, *Hopkins* (Rh. 221) Kew.

Marssonina Fragariae (Sacc.) Kleb.

on *Fragaria* sp., Boksburg, *Sanders*, 33433.

Marssonina Juglandis (Lib.) Magn.

Doidge & Bottomley (1931) 66.

? as *Cercospora Juglandis* Kellerm. & Swing., *Doidge* & Bottomley (1931) 66.

on *Juglans* sp., Haenertsburg, *Bester*, 28609 ; Natal and Transvaal, *Doidge* & Bottomley.

Marssonina Populi Magn.

sub *Marssonina Castagnei* (Desm. & Mont.) Sacc., Verwoerd (1929 b) 23 ; Doidge & Bottomley (1931) 51.

as *Marsonia Populi*, Nel (1942) 99.

on *Populus alba* Linn., Claremont, 606 ; Woodbush, *D.F.O.*, 7103.

Populus canescens Sm., Oudtshoorn, *Verwoerd* (Stell. 221).

Populus spp., Claremont, Wynberg, Ladismith, *Verwoerd* ; Stellenbosch, *Verwoerd* (v. d. Byl 1048) ; fairly common in Natal and the south-western Cape, *Doidge & Bottomley*.

Marssonina sp.

on *Terminalia sericea* Burch., Schagen, *Liebenberg*, 32822.

PHAEODIDYMAE.

Didymosporina africana Syd.

H. Sydow (1924 c) 433 ; Nel (1942) 99.

on *Rhus viminalis* Vahl., Genadendal, *Verwoerd* (v. d. Byl 1299) Type.

Didymosporium congestum Syd.

H. & P. Sydow (1912 a) 45 ; Sacc. Syll. Fung. XXV : 585 ; Doidge & Bottomley (1931) 53.

on *Protea caffra* Meisn., Diepkloof, *Doidge*, 930, Type ; Commando Nek, *Pole Evans*, 12453 ; Pretoria, *Mogg*, 23486 ; White Heather Mine, *K. M. Putterill*, 32756.

Didymosporium latum Syd.

H. & P. Sydow (1912 a) 44 ; Sacc. Syll. Fung. XXV : 585.

on *Faurea saligna* Harv., Transvaal, *Thomsen*, 743, Type ; Conradie's Kloof, *Wager*, 32409.

Neobarclaya congesta (Berk. & Br.) Petch

Laughton (1948) 831.

Neobarclaya natalensis Syd., P. Sydow (1899 a) (134) ; Medley Wood (1898) 12 ; Sacc. Syll. Fung. XVI : 1012.

Pestalozzia Evansii P. Hennings (1908) 273.

on *Syzygium cordatum* Hochst., Durban, *Medley Wood*, 6446, 374, 9476 ; Nelspruit, *Pole Evans*, 11024 ; Eshowe, *McClean*, 33092 ; Barberton, *Pole Evans*, 234, 1152, *Doidge*, 2009.

HYALOPHRAGMIAE.

Entomosporium maculatum Lév.

Lounsbury (1908) 26 ; Doidge (1911) 694 ; Verwoerd (1929 b) 24 ; Doidge & Bottomley (1931) 35, 54.

sub *Fabraea maculata* Atk., Verwoerd (1929 b) 21 ; Doidge & Bottomley (1931) 49, 54, 35 ; Hopkins (1938 a) 104, (1939 a) 37.

on *Cydonia oblonga* Mill., Pretoria 455, *Bottomley*, 22838, *Reinecke*, 23187 ; Magaliesberg, 25918 ; Engelbrechtsdrift, *Engelbrecht*, 27289 ; Johannesburg, *Godlonton*, 24920 ; Rosettenville, *Macfie*, 17074 ; Klip River, *Hodgson*, 1081 ; Volksrust, 391 ; Nelspruit, v. Elden, 26103 ; Potgietersrust, *de Villiers*, 32493 ; Haenertsburg, *Naudé*, 29962 ; Brandfort, *Verwoerd* (Stell. 307) ; Cape, *Lounsbury* ; Stellenbosch, *Dippenaar* (Stell. 521, 865) ; Niet-voor-by, Stellenbosch, v. d. Byl 2202 ; Salisbury (Rh. 2504) ; Umtali, *Eyles* 4279 ; Macheke (Rh. 3145).

Eriobotrya japonica Lindl., Pretoria, 1526, 6897; Newlands, *Lounsbury*, 453; Cape, without locality, 925; Stellenbosch, *du Plessis* (Stell. 545); Allerton, *Pole Evans*, 5611.

Pyrus communis Linn., Pretoria, *Pole Evans*, 255, 401, v. d. *Byl*, 2323; Kokstad, *Paine*, 32001; Klein Brak, *Verwoerd*; Umtali, *Eyles* 4280; Stellenbosch, *Dippenaar* (Stell. 522, 866); Bethlehem, v. d. *Merwe*, 24949.

Pseudodiscosia Dianthi Höst. & Laub.

on **Dianthus caryophyllus** Linn., Duivelskloof, *Graham*, 25353, 25354.

Septogloeum Acaciae Verw. & du Pless.

Verwoerd & *du Plessis* (1931) 295, not Sydow.

on **Acacia litakunensis** Bursh, Pretoria, *Verwoerd* (Stell. 293, v. d. *Byl* 293) 33263.

Septogloeum bullatum Syd.

H. & P. Sydow (1912 a) 44; van der *Byl* (1926 c) 289; Sacc. Syll. Fung. XXV: 591.

on **Combretum gazense** Swynn. & Bak., Ledzee, *Doidge*, 1811; Letaba, *Liebenberg*, 32733. **Combretum glomeruliferum** Sond., Wonderboom, v. d. *Byl*, 2217; Donkerpoort, *Bottomley* 33921.

Septogloeum concentricum Syd.

on **Sansevieria** sp., Kentani, *Pegler* 2383, 9421.

Septogloeum Manihotis Zimm.

Cardoso (1939) 45.

on **Manihot utilisima** Pohl., Moçambique, *Cardoso*.

Septogloeum Mori (Lév.) Bri. & Cav.

Van der *Byl* (1922 d) 287; *Verwoerd* (1929 b) 17, (1931 a) 301; *Doidge* & *Bottomley* (1931) 38.

on **Morus alba** Linn., Kingwilliamstown, *Lounsbury*, 198; Amanzi, 20315; Maseru, *Wacher*, 23195; Christiana, *Maartens*, 24944; Kimberley, *Store*, 25921.

Morus nigra Linn., Pretoria, *Botha-Reed*, 26108; Stellenbosch, *Verwoerd*; Bloemfontein, *Verwoerd*; Tulbagh, *Dippenaar* (v. d. *Byl* 2429).

Morus spp., Pretoria, 685; Klip River, *Hodgson*, 1082; Moorddrift, *Smit*, 33375; Potgietersrust, *Maguire*, 28738; Amsterdam, *Naudé*, 31082; Nelspruit, v. *Wyk*, 27364; Versfeld, 49; Jansenville, *McLaughlin*, 29838; Kimberley, *Havenga*, 25358; Sebalabala, *Hean*, 32143; Klappmuts, v. d. *Byl* 644; Stellenbosch, *Eyles* (v. d. *Byl* 1323), *Verwoerd* (Stell. 19); Somerset West, *Dippenaar* (Stell. 1065); Durban, v. d. *Byl* 218, 31935.

Septogloeum punctatum Wakef.

Wakefield (1931) 204; *Nel* (1942) 100.

on **Syzygium cordatum** Hochst., Durban, v. d. *Byl* 323, Type, Kew.

PHAEOPHRAGMIAE.

Coryneum Coccoes P. Henn.

Cardoso (1945) 159.

on **Cocos nucifera** Linn., on leaves, Zambesi region (det. S. da Camara).

Coryneum Dovyalidis v. d. Byl

van der Byl (1929 a) 318 ; Hopkins (1938 a) 119, (1939 a) 18 ; Nel (1942) 99.
 on **Dovyalis** sp., Salisbury, *Eyles* 5283 (Rh. 2060 ; v. d. Byl 2517, 2518) Type ; Marandellas,
Green (Stell. 328).

Coryneum Kunzei Corda

conidial form of *Pseudovalsa longipes* (Tul.) Sacc., q.v.

Cryptostictis Dryopteris Verw. & du Pless.

Verwoerd & du Plessis (1931) 290.
 on **Dryopteris** sp., Stellenbosch, *du Plessis* (Stell. 476) Type.

Monochaetia Camelliae Miles

Pestalozzia Camelliae Pass., Nel (1942) 100.
 on **Camellia japonica** Linn., Paarl, *du Plessis* (Stell. 618 ; v. d. Byl 2704).

Monochaetia Cydoniae Pole Evans & Doidge

Kew Bull. (1908) 428 ; Sacc. Syll. Fung. XXV : 610.
 on **Cydonia oblonga** Mill., twigs, Pretoria, *Pole Evans*, Kew, Type.

Pestalotia Aloës Trinch.

du Plessis (1933 f) 209 ; Laughton (1948) 822.
 on **Aloe** spp., Stellenbosch, *du Plessis* (Stell. 813), *Dippenaar* (Stell. 900).

Pestalotia Burchelliae Laughton

Laughton (1948) 821.
 on **Burchellia bubalina** (Linn. f.) Sims, leaves, Garden of Eden, Knysna, *F. S. Laughton*,
 34912, Type ; Town Hill, Knysna, *Laughton*, 34908.

Pestalotia caffra Syd.

H. & P. Sydow (1914 b) 266 ; Sacc. Syll. Fung. XXV : 606 ; Guba (1932) 362 ;
 Laughton (1948) 822.
 on **Mimusops caffra** E. Mey., leaves, Isipingo, *Doidge*, 6630, Type.

Pestalotia Cassinis Laughton

Laughton (1948) 822.
 on **Cassine sphaerophylla** O. Ktze., Brenton, Knysna, *Laughton*, 34916, Type ; Buffalo Bay
 forest, *Laughton*, 34914.
Pterocelastrus tricuspidatus Sond., Knysna, *Laughton*, 34915.

Pestalotia disseminata Thuem.

Laughton (1948) 823.
 on **Eucalyptus diversicolor** F. Muell., on stems, Kruisfontein, *Laughton*, 34911.
Eucalyptus Lehmanni Preiss., leaves, Fort Cunnyngame, *D.F.O.*, 23701.
Eucalyptus sp., Storms River, *D.F.O.*, 11288.

Pestalotia Encephalartos Laughton

Laughton (1948) 823.

on **Encephalartos villosus** (Gaertn.) Lem., living and dead leaflets, Durban, *Pole Evans*, 2031, Type; Malvern, 861.**Stangeria eriopus** Nash, Mountain Rise, *Doidge*, 864.**Pestalotia funerea** Desm.

Fisher (1912) 390; Eyles (1926) 632; Doidge & Bottomley (1931) 9, 22, 50; Hopkins (1938 a) 119, (1939 a) 16; Verwoerd (1931 a) 301; Laughton (1948) 823.

on **Cedrus Deodara** Loud., Cedara, 5172.**Chamaecyparis Lawsoniana** Parl., Cedara, *Fisher*.**Cupressus arizonica** Greene, Ermelo, *D.F.O.*, 28790.**Cupressus lusitanica** Mill., Cedara, *Fisher*.**Cupressus torulosa** Don., Estcourt, *Errleben*, 28535.**Juniperus virginiana** L., Cedara, 2246.**Juniperus** sp., Richmond, *Gordon*, 29920.**Pinus halepensis** Mill., without locality, 23216; Fort Cununghame, 700.**Pinus** spp., Bloemfontein, *Verwoerd*; Cedara, *Fisher*.**Widdringtonia** sp., Marandellas, *Eyles*.**Pestalotia Gossypii** Hori

Laughton (1948) 824.

(?) on **Gossypium** sp., Mbabane, *G.V.O.*, 14646.**Pestalotia Guepini** Desm.

Hopkins (1938 a) 119, (1939 a) 34; Laughton (1948) 824.

on **Camellia japonica** L., Stellenbosch, *Dippenaar*, (Stell. 932, 933); Paarl du Plessis (Stell. 618) 34585.**Pittosporum undulatum** Vent., Salisbury (Rh. 1500, 1591).**Pestalotia Laughtonae** Doidge

in Laughton (1948) 824.

on **Cassine sphaerophylla** O. Ktze., Brenton, Knysna, *Laughton*, 35145, Type.**Pterocelastrus tricuspidatus** Sond., Knysna, *Laughton*, 35416.**Pestalotia Laurophylli** Laughton

Laughton (1948) 824.

on **Laurophyllus capensis** Thunb., living leaves, Garden of Eden, Knysna, *Laughton*, 34913.**Pestalotia macrochaeta** (Speg.) Guba

Laughton (1948) 825.

sub *Pestalozzia funerea* Desm., Fisher (1912) 390.on **Pinus caribaea** Morelet, Dukuduku, *D.F.O.*, 27660.**Pinus patula** Schiede, Spitzkop, Cape, *D.F.O.*, 30447, 32073.**Pinus pinaster** Ait., Cedara, *Fisher*, 2100.**Pinus radiata** Don., Zwartkop, *Hayter*, 7767.**Pinus** spp., Komgha, *Crewe*, 27812; Maritzburg, *Kelly*, 11868.

Pestalotia Mangiferae P. Henn.

Laughton (1948) 825.

Pestalozzia virgatula Kleb., Hopkins (1938 a) 119 ; (1939 a) 25 ; (1943) 186.on *Mangifera indica* Linn., Bindura (Rh. 1025) ; Barberton, *Harris & Todd*, 1911.**Pestalotia Micheneri** Guba

Laughton (1948) 825.

on *Araucaria Cunninghamii* Sweet, Eshowe, *D.F.O.*, 15461.**Pestalotia Milletiae** Laughton

Laughton (1948) 825.

on *Milletia* ? *Sutherlandi* Harv., living leaflets, Eshowe, *Laughton*, 33437, Type.**Pestalotia neglecta** Thuem.

Laughton (1948) 826.

on *Euonymus japonica* Linn., f., living leaves, Johannesburg, *Walter Webber*, 34922.**Pestalotia Ocoteae** Laughton

Laughton (1948) 826.

as *Pestalotia* sp., J. Phillips (1934) 289, (1931) 160.on *Ocotea bullata* E. Mey., immature fruits, Deepwells, *J. Phillips*, 17824, Type.**Pestalotia palmarum** Cooke

Pole Evans (1914) 154; United States Dept. Agric. (1932) 354; Cardoso (1945) 159;

Laughton (1948) 827.

on *Cocos nucifera* Linn., Lourenço Marques, *Hardenburg*, 22559; Zambesi Region, (det. S. da Camara) ; Inhaca Is., *Mogg*, 34145 ; Quelimane, *Pole Evans*, *Guimarães*.*Phoenix reclinata* Jacq., Lourenço Marques, 487 ; intercepted in United States on material from South Africa.**Pestalotia Pelargonii** Laughton

Laughton (1948) 827.

on *Pelargonium cordatum* L'Herit., Garden of Eden, Knysna, *Laughton*, 34918, Type.**Pestalotia peregrina** Ell. & Mart.on *Pinus longifolia* Roxb., Xumeni, *D.F.O.*, 25914.*Pinus* sp., Maritzburg, *D.F.O.*, 30847.**Pestalotia Podocarpi** Laughton

Laughton (1948) 827.

on *Podocarpus latifolius* R. Br., on living leaves, Garden of Eden, Knysna, *Laughton*, 34917, Type.**Pestalotia Psidii** Pat.

Hopkins (1938 a) 119, (1939 a) 36 ; Laughton (1948) 828.

as *Pestalozzia* sp., Hopkins (1930) 526.on *Psidium Guajava* Linn., Mataffin, *Hall*, 34090 ; Amandas, Shamva, Bindura, Concession and Umtali, *Hopkins*.

Pestalotia Pterocelastri Laughton

Laughton (1948) 828.

on *Pterocelastus tricuspidatus* Sond., Knysna, *Laughton*, 25143, Type.**Pestalotia quercina** Guba

Laughton (1948) 829.

as *Pestalozzia* sp., Doidge & Bottomley (1931) 41.on *Quercus* sp., Irene, *Doidge*, 2270, *D.F.O.*, 2071.**Pestalotia Rapaneae** Laughton

Laughton (1948) 829.

on *Rapanea melanophlebos* Mez., Storms River, *Doidge*, 17171, Type; Garden of Eden, Knysna, *Laughton*, 34433, 34910.**Pestalotia Theae** Shaw

Hopkins (1938 a) 119, (1939 a) 45.

on *Thea sinensis* Linn., Chipinga, (Rh. 518).**Pestalotia Trichocladi** Laughton

Laughton (1948) 829.

on *Trichocladus crinitus* Pers., Storms River, *Doidge*, 17169, Type, and *le Roux*, 34307.**Pestalotia versicolor** Speg.on *Persea americana* Mill., twigs, Nahoon Valley, *Jackson*, 33754; isolated from scab on fruit, Durban, *McClean*; Grahamstown, *Gowie*.

on underground timber in mine, Robinson Deep (T.R.L. 513 det. Baarn).

Pestalotia Watsoniae Verw. & Dipp.

Verwoerd & Dippenaar (1930 a) 327; Laughton (1948) 830.

on *Watsonia rosea* Ker. var. *alba*, Stellenbosch, *Verwoerd* (Stell. 297), Type; *Verwoerd* (Stell. 931) 34586.**Pestalotia Zahlbruckneriana** P. Henn.

Hennings (1900 a) 3; Sacc. Syll. Fung. XVI: 1017; Laughton (1948) 830.

on *Strelitzia parvifolia* Dryand, inflorescence, Port Alfred, *Penther* 1610.**Pestalotia** sp., nr. *P. Guepini* Desm.

Doidge & van der Plank (1936) 22.

isolated from:

Citrus sinensis Osbeck, rotting fruits, from White River and Zebediela, *Doidge*.**Pestalotia** spp.

isolated from

Cydonia oblonga Mill., fruit, Mazoe, *Bates* 390, 34015.on *Gossypium* sp., stem, Rhodesia, *Hopkins* (Hopkins 1931: 665).

isolated from

Litchi chinensis Sonn., ripe and immature fruit, Natal coast and eastern Transvaal, Bottomley.on *Psorospermum* sp., Salisbury, *Eyles* (Eyles 1926: 646).

Scolecospodium pedicellatum Dearn. & Overl.

on *Olea Europaea* Linn., Elsenburg, *Gorter* (Stell. 1056).

Stilbospora Faureae Syd.

H. & P. Sydow (1912 c) 443.

on *Faurea saligna* Harv., Barberton, v. d. Byl, 5139, 5621

SCOLECOSPORAE.

Cylindrosporium castanicolum (Desm.) Berl.

on *Castanea dentata* Borkh., Johannesburg, *Clayden*, 34195.

Castanea sativa Mill., Cedara, *Fisher*, 6576; Tzaneen, *McCallum*, 30096, *D.F.O.*, 30492.

Cylindrosporium Chrysanthemi Ell. & Dearn.

Doidge & Bottomley (1931) 18.

on *Chrysanthemum morifolium* Ram., Maritzburg.

Cylindrosporium Juglandis Wolf

Hopkins (1938 a) 119, (1939 a) 23.

on *Juglans* sp., Melsetter (Rh. 2646).

Cylindrosporium Kilimandscharicum Allesch.

on *Commelina* sp., nr. Gogwana Mouth, Kentani, *Pegler* 2341, 9098, Kew.

Cylindrosporium Padi Karst.

Doidge & Bottomley (1931) 18.

on *Prunus Avium* Linn., Belfast.

Cylindrosporium Ribis Davis

Verwoerd & du Plessis (1933) 225; Nel (1942) 99.

on *Ribes sativum* Syme, Stellenbosch, *Verwoerd* (Stell. 416; v. d. Byl 2672).

Libertella ? *Rhois* Kalchbr.

in Herb., ? nom. nud.

on *Rhus MacOwani* Schonl., Cape, *MacOwan* 1056, Kew.

MONILIALES.

(*Hyphomycetae*).

ACTINOMYCETACEAE.

Actinomyces africanus (Pijper & Pullinger) Nannizzi

Nannizzi (1934) 4: 8; Dodge (1936) 754; Erikson (1935) 18, 36; St. John-Brooks (1936) 8.

Nocardia africana Pijper & Pullinger (1927) 153-156.

on *Man*: isolated in a case of mycetoma pedis involving bones, in a South African native.

Actinomyces bovis Harz

on **Cattle** : causing actinomycosis or lumpy jaw in cattle ; occurs fairly commonly in South Africa.

Actinomyces dermatonomus Bull.

Steyn (1931) 205 ; Mason & Bekker (1934) 211.

on **Sheep** : causing a condition in merino sheep known as "lumpy wool". The disease assumes serious proportions during certain seasons ; outbreaks have occurred in East Griqualand, the eastern and south-western districts of the Cape. A large number of cases occurred in the Humansdorp district in 1932 ; there have been isolated outbreaks in the Karroo districts.

Actinomyces Foulertoni (Chalmers & Christopherson) Sartory & Bailly

Nocardia Foulertoni Chalmers & Christopherson, Pijper (1919) 83.

on **Man** : isolated from chronic abscess in neck of native patient, Bethal, *Pijper*.

Actinomyces Leishmani (Chalmers & Christopherson) Sartory & Bailly.

Dodge (1936) 740.

Streptothrix sp., Birt & Leishman (1902) 121.

Actinomyces Leishmanii Erikson (1935) 203 ; St. John-Brooks (1936) 10.

on **Man** : isolated from nodules in lung and from pericardial fluid of patient from Lady-smith, Natal, *Birt & Leishman*.

Actinomyces Madurae (Vincent) Lachner-Sandoval

St. John-Brooks (1936) 10.

Nocardia indica Chalmers & Christopherson, Welchman & Pirie (1921) 6.

Discomyces Madurae Gedoelst, Welchman & Pirie, l.c.

on **Man** : isolated from "Madura foot" of male M'sutu native, Johannesburg ; other cases reported, but organism not identified.

Actinomyces mineaceus (Kruse) Lachner-Sandoval

Actinomyces ruber Sartory & Bailly, Davel (1931) 18.

isolated from red spots on butter wrappers and butter liners, producing a red colour on the butter surface ; locality not indicated.

Actinomyces Pijperi (Castellani & Chalmers) Sartory & Bailly

Doidge (1936) 755.

Nocardia sp., Pijper (1917 d) 50-53, (1917 c) 141, 142.

Nocardia Pijperi Castellani & Chalmers (1919) 1060.

Discomyces Pijperi Neveu-Lemaire (1921) 44.

on **Man** : found in mycopurulent sputum of a patient with chronic bronchitis, *Pijper*.

Actinomyces pretorianus (Pijper & Pullinger) Nannizzi

Nannizzi (1934) 4 : 38 ; Erikson (1935) 30, 37 ; Dodge (1936) 747 ; St. John Brooks (1936) 11.

Nocardia pretoriana Pijper & Pullinger (1927) 153-156.

on **Man** : isolated from a mycetoma of the shoulder of a native patient, *Pijper & Pullinger*.

Actinomyces scabies (Thaxt.) Gussow

Doidge & Bottomley (1931) 52; Hopkins (1938 a) 119, (1939 a) 43; Cardoso (1945) 158.

Oospora scabies Thaxter, Pole Evans (1906 a) 140.

Actinomyces chromogenus Gasp., Verwoerd (1929 b) 23.

Actinomyces sp., Verwoerd (1929 b) 16; Doidge & Bottomley (1931) 37.

on **Beta vulgaris** Linn., roots, Stellenbosch, *Verwoerd*; Port Elizabeth.

Solanum tuberosum Linn., extremely common and widespread on tubers in the Union and in Southern Rhodesia; Kromrivier, *S. G. Smith*, 24901; Rubbervale, 25498.

Actinomyces transvalensis (Pijper & Pullinger) Nannizzi

Doidge (1936) 756; Erikson (1935) 28, 37; St. John-Brooks (1936) 12.

Nocardia transvalensis Pijper & Pullinger (1927) 153-156.

on **Man**: found in mycetoma pedis in a South African native, Pretoria, *Pijper & Pullinger*.

Actinomyces spp.

Nocardia spp., Pijper (1917 c) 141, (1917 d) 50-53.

on **Man**: (1) isolated from sputum of a patient suffering from chronic bronchitis.

(2) isolated from urinary sediment in case of cystitis.

Actinomyces spp.

Ferreira (1941) 33.

on **Man**: several cases of actinomycosis reported from Moçambique territory, 1925-1930; 7 cases from Moçambique, one from Tete, 7 from Memba; 22 cases from Angoche in 1931.

MUCEDINACEAE.

HYALOSPORAE.

Acremonium verticillatum Link

Verwoerd & du Plessis (1933) 222.

on **Pinus** sp., Stellenbosch (Stell. 628).

Acremonium sp.

Doidge & Bottomley (1931) 9.

on **Helianthus tuberosus** Linn., tubers, south-western Cape and northern Transvaal, *Bottomley*.

Aspergillus amstelodami (Mangin) Thom & Church

van der Byl (1920 e) 3.

from sugar, Natal coast, *v. d. Byl*.

on underground mine timbers, Robinson Deep (T.R.L. 527, det. Baarn).

Aspergillus candidus Link

Hopkins (1938 a) 119.

on cheese, Salisbury (Rh. 1952).

Aspergillus carbonarius (Bain.) Thom

du Plessis (1936) 14.

on **Vitis vinifera** Linn., berries, south-western Cape, *du Plessis*.

Aspergillus eburneus Biourge

on underground timber, Springs Mines (T.R.L. 851, det. Thom).

Aspergillus flavus Link

van der Byl (1921 e) 232 ; Hopkins (1938 a) 120, (1939 a) 30, (1939 b) 117.
 on *Nicotiana tabacum* Linn., cured leaf, Darwendale (Rh. 2666) ; Salisbury (Rh. 2667) ;
 Banket (Rh. 2687, 3001).
 on Termite comb, Pretoria, *Pole Evans*, 1253.
 isolated from air in sugar mills, Natal coast, *v. d. Byl*.
 isolated from coconut matting, New State Areas, *Bowen* (T.R.L. 349) 32393.
 isolated from flannel bag used underground, Crown Mines (T.R.L. 1417, det. Thom).

Aspergillus fumigatus Fres.

Walker (1913) 199, (1915) 540 ; van der Byl (1920 e) 4 ; Hopkins (1938 a) 120 ;
 Nel (1942) 100.
 isolated from *Struthio australis* (ostrich) from bone cavities, lungs and intestinal tract, Bedford, Albany and Alexandria districts, *Walker*.
 isolated from *Spheniscus demursus* (penguin) from air sacs, Zoological Gardens, Pretoria, *Simpson, Robinson*.
 isolated from *Anatidae* undet., (duck) from air sac, Salisbury (Rh. 1831).
 occasionally found causing a disease in various aviary birds, *Robinson*.
 isolated from sugar, Natal coast, *v. d. Byl* 907, 14258.

Aspergillus glaucus Link

Medley Wood (1897) 17 ; Hopkins (1938 a) 120.
 on *Corylus avellana* Linn., nuts, Pretoria, 23649.
Nicotiana Tabacum Linn., cured leaf, Cape, *de Villiers*, 701.
Caryopemon cruciger Steph. in seeds of *Abrus precatorius* Linn., Pretoria, *Pole Evans*, 23618.
 on cheese, Salisbury (Rh. 1953).
 on matrix unspecified, Natal, *Medley Wood* 44.

Aspergillus glaucus (group) nr. *A. amstelodami* Mang.

on sterilised oats used for culturing false codlin moth, Cedara, *Ripley*.

Aspergillus sp. (*Aspergillus minutus* Gilman & Abbott prox.)

on flannel bag used underground, Durban Roodepoort Deep (T.R.L. 906, det. Thom).

Aspergillus niger van Tiegh.

van der Byl (1920 e) 4, (1920 c) 103, (1922 d) 283 ; Doidge & Bottomley (1931) 42, 43 ; Doidge & van der Plank (1936) 16 ; du Plessis (1936) 15 ; Bates (1937 b) 176, 189 ; Hopkins (1938 a) 120, (1939 a) 13, 49, 50, (1943) 182 ; Hopkins & Bacon (1938) 458 ; Verwoerd (1931 a) 301 ; Cardoso (1937) 152 ; Nel (1942) 100 ; Pirie (1940) 46 ; Cluver (1941) 49.
 on *Allium Cepa* Linn., bulbs, Stellenbosch, *v. d. Byl* 95 ; Bloemfontein, *Verwoerd*.
Arachis hypogaea Linn., rotting nuts, Springbok Flats, *Bottomley, Sellschop*.
Citrus Limonia Osbeck, fruit, Mazoe, *Bates*.
Citrus sinensis Osbeck, fruit, Mazoe, *Bates* ; Pretoria, *Doidge*.
Gardenia sp., fruit, banks of Limpopo River, near junction with the Magalaquin, *Mogg*, 23647.

Mangifera indica Linn., Moçambique, *Cardoso*.

Pyrus malus Linn., fruit, Rhodesia, Hopkins & Bacon.

Vitis vinifera Linn., berries, south-western Cape, *du Plessis*; Bulawayo, (Rh. 1779).

Zea Mays Linn., Bulawayo (Rh. 2135).

on rotting fruit, common in Moçambique, *Cardoso*.

on **Man**: isolated from ear (Otitis externa) Johannesburg, *H. I. Lurie*.

isolated from air in sugar mills, *v. d. Byl* 905, 14260; on artificial medium used for culturing insects, Cedara, *Ripley*.

on flannel bag used underground in mine, Durban Roodepoort Deep (T.R.L. 215; in ventilation tubing, Crown Mines (T.R.L. 1410, det. Thom).

Aspergillus ochraceus (series) near **Aspergillus melleus** Yukawa

Doidge & van der Plank (1936) 16.

on **Citrus Limonia** Osbeck, fruit, Zilikaats Nek, *Irvine*.

Aspergillus parasiticus Speare

van der Byl (1921 e) 233.

isolated from air in sugar mills, Natal coast, *v. d. Byl*.

Aspergillus repens (Corda) Sacc.

van der Byl (1920 e) 3; *Nel* (1942) 100.

? as **Aspergillus repens-glaucus** (series) *van der Byl* (1921 e) 233, (1920 e) 3; *Nel* (1942) 100.

from air in. sugar mills and from sugar, Natal Coast, *v. d. Byl* 901, 902, 14257.

Aspergillus Sartoryi Syd.

Sartory & Sydow (1913) 156; *Herter* (1913) 286; *Sacc. Syll. Fung. XXV*: 662.

isolated in gold mines, Johannesburg.

fide *Herter*, l.c., this is *Aspergillus flavus* Link.

Aspergillus sulphureus (Fres.) Thom & Church

Hopkins (1938 a) 120.

on **Nicotiana Tabacum** Linn., cured leaf, M'Soneddi (Rh. 2405).

Aspergillus Sydowi (Bain. & Sartory) Thom & Church

Stevenson & Rands (1938) 252.

on sugar, forming a velvety, blue green mould, South Africa.

on sterilised oats used for culturing larvae of false codlin moth, Cedara, *Ripley*.

Aspergillus terreus Thom

van der Byl (1920 e) 4; *Nel* (1942) 100.

isolated from sugar, Natal coast, *v. d. Byl* 904, 14261.

Aspergillus versicolor (Vuill.) Tirab.

on **Man**: isolated from cases of eczema (contaminant) Johannesburg, *H. I. Lurie*.

on flannel bag used underground in mine, Durban-Roodepoort Deep (T.R.L. 1495 det. Thom).

on canvas, Transvaal Rubber Co., Johannesburg, (T.R.L. 902, det. Thom).

Aspergillus Welwitschiae (Bres.) P. Henn.

Hennings (1903) 168 ; Wehmer (1907) 394 ; Thom & Church (1926) 178.

Ustilago Welwitschiae Bresadola, Sacc. Syll. Fung. XIV : 411; Verwoerd (1926 b) 31, (1928 b) 239 ; Zundel (1938) 318.

on *Welwitschia Bainesii* (Hk. f.) Carr., between Mossamedes and Koroka River, *Baum*, Kew ; Buraco, *Baum 1* ; Goanekontas, nr. Swakop in the Namib, *Krige* (v. d. Byl 2499) ; Mossamedes, *Möller*.

Aspergillus sp.

Doidge & van der Plank (1936) 16.

on *Citrus sinensis* Osbeck, fruit, Pretoria, *Doidge*.

Aspergillus sp.

Verwoerd (1929 b) 12.

on *Ficus carica* Linn., fruit, George, *Verwoerd*.

Aspergillus sp.

Verwoerd (1929 b) 12.

on *Passiflora quadrangularis* Linn., fruit, Cape Town, *Verwoerd*.

Aspergillus spp.

van der Byl (1920 c) ; McMartin (1937 b).

on *Saccharum officinarum* Linn., cuttings, Natal, *McMartin* ; on sugar, Natal coast, v. d. *Byl*.

Aspergillus sp.

on *Furcaspis Proteae* Brain on *Faurea saligna*, Rustenburg, *Munro*, 26137. Coccid. undet., 28447.

Beauveria Bassiana (Bals.) Vuill.

Schaefer (1936).

on *Cactoblastis cactorum* Berg, larvae & chrysalis, Uitenhage, *Petty*, 33422.

Nomadacris septemfasciata Serv., St. Lucia Bay, *Pole Evans*, 27654 ; Cambridge, *Magistrate* ; Pondoland, *Schaefer* ; widely distributed in the Union. *Schaefer*.

Beauveria globulifera (Speg.) Picard

McMartin (1935 b) 178.

Sporotrichum globuliferum Speg., Cooper (1899) 685.

as *Sporotrichum* sp., Howard (1902) 446.

on *Nomadacris septemfasciata* Serv., Natal coast, *McMartin* ; Alfred County, *Cooper*.

Botrytis Allii Munn.

Doidge & Bottomley (1931) 42.

on *Allium Ceba.*, Linn., bulbs, Molteno, *Bottomley* ; Mara, Transvaal ; Joubertina, *Reinecke*, 34157 ; Willowmore, *du Plessis*, 34429.

Botrytis cinerea Pers.

Van der Byl (1922 d) 287; V. A. Putterill (1923) 335; Verwoerd (1929 b) 5, 8, 12, 13; Hopkins (1930) 418, (1943) 185; Dippenaar (1931 a) 7, 8; Doidge & Bottomley (1931) 22, 26, 28, 34; Doidge & van der Plank (1936) 17; du Plessis (1936).

Monilia cinerea, Nel (1942) 100.

as *Botrytis* sp., Hopkins (1939 a) 49.

on *Amaryllis Belladonna* Linn., bulb, Kenilworth, *Verwoerd*.

Arachis hypogaea Linn., Durban, v. d. *Byl* 317.

Brassica oleracea Linn. var. *botrytis* Linn., Pretoria, 5128.

Citrus Limonia Osbeck, fruit, Groot Drakenstein, *Doidge*.

Citrus sinensis Osbeck, fruit, Groot Drakenstein, *Doidge*; Mazoe, *Bates*; Rhodesia, *Hopkins*.

Cyclamen indicum Linn., bulbs, Cape Town, Stellenbosch, *Verwoerd*.

Dahlia pinnata Cav., Harden Heights, *Pole Evans*, 1392.

Euphorbia pulcherrima Willd., south-western Cape, *Dippenaar*.

Ficus carica Linn., fruit, common in the Pretoria Distr., *Bottomley*.

Fragaria sp., Pretoria, *Doidge*, 33386; Mulder's Drift, *Bottomley*; Salisbury, *Hopkins*.

Gladiolus sp., corm, George, *Verwoerd*.

Lathyrus odoratus Linn., Stellenbosch, v. d. *Byl*, 1893.

Lupinus angustifolius Linn., Stellenbosch, *Dippenaar*.

Medicago sativa Linn., Wynberg, *Dippenaar*.

Primula malacoides Franch., Pretoria, *Bottomley*, 34203.

Psidium guajava Linn., south-western Cape, *Dippenaar*.

Pyrus malus Linn., fruit, south-western Cape, *Dippenaar*.

Rosa spp., buds, south-western Cape, *Dippenaar*.

Rubus pinnatus Willd., fruit, Hopevale, *Doidge*.

Vitis vinifera Linn., berries, south-western Cape, V. A. Putterill, du Plessis; Stellenbosch, v. d. *Byl* 1139, *Verwoerd*; Robertson, *Verwoerd* (Stell. 377); Tulbagh, *Verwoerd*; Pretoria, *Bottomley*; Salisbury, *Hopkins* (Rh. 3778).

Botrytis Fabae Sard.

Gorter (1941) 168.

on *Vicia Faba* Linn., Cape Flats, *Gorter*; Stellenbosch, *Gorter*, 33353.

Cephalosporium Sacchari Butl.

Van der Byl (1918 e), (1921 b) 125; McMartin (1937 b) 267, (1938) 214, (1943) 52; Stevenson & Rands (1938) 258.

on *Saccharum officinarum* Linn., stems, Natal coast, v. d. *Byl*, *McMartin*.

Cephalosporium sp.

on *Irene ditricha* (Kalchbr. & Cooke) Doidge on *Cassine papillosa*, Deepwails, *Doidge*, 17216 b.

Irene natalensis Doidge on *Doryalis rhamnoides*, van Staden's Pass, *Doidge*, 17256 a.

Irene Peglerae Doidge on *Halleria lucida*, Storms River, *Doidge*, 17182 a.

Meliola rhoina Doidge on *Harpephyllum caffrum*, Howieson's Poort, *Doidge*, 10958 b;

on *Rhus villosa*, Umkomaas, *Bottomley*, 11892 b; Ruccleuch, *Doidge*, 11590 b.

Meliola torta Doidge on *Trichocladus crinitus*, Storms River, *Doidge*, 17170 d.

Meliola Woodiana Sacc., on *Canthium ventosum*, van Staden's Pass, *Doidge*, 10881 c.

See also *Calonectria Cephalosporii* Hansf., of which the conidial stage is a species of *Cephalosporium*.

Gliocladium deliquescens Sopp.

Doidge & van der Plank (1936) 21.
isolated from *Citrus sinensis* Osbeck, fruit from White River, Zebediela, Sunday's River,
Doidge.

Gliocladium penicilloides Corda

on *Citrus nobilis* var. *deliciosa* Sw., twigs, East London, *Turner*, 25955.

Gliocladium roseum (Link) Bainier

Cardoso (1938) 74.

Penicillium roseum Link, Cardoso (1937) 152, (1945) 151.

on *Citrus sinensis* Osbeck, twigs, Upington; ? fruit, sul do Save, *Cardoso*; Magude, *Cardoso*; Lourenço Marques, *Guimarães*.

on underground mine timber, Robinson Deep (T.R.L. 375, det. Baarn).

? on *Argyroploce leucotreta* Meyr, pupa, Letaba Estates, *Rinder*, 27301.

Metarrhizium anisopliae (Metsch) Sorokin

Lewin (1936) 3-7.

on *Nomadacris septemfasciata* Serv., Pondoland, *Schaefer*; Moçambique, *Lea*; Northern Rhodesia, *Lewin*.

Sciobius granosus Gyl., larva & pupae, Mudén, *Ripley*.

Monilia sitophila (Mont.) Sacc.

van der Byl (1921 e) 233.

on *Zea Mays* Linn., cobs, Estcourt, *Nel*, 33570; on cooked mealie meal, Marikana, *Turner*, 33552.

isolated from air in sugar mills, Natal coast, v. d. *Byl*; from air in Crown Mines (T.R.L. 815).

Oidiopsis taurica Lév.

see *Leveillula taurica* (Lév.) Arn.

Oidium abelmoschi Thuem.

on *Hibiscus esculentus* Linn., Daspoort, 393.

Oidium Chrysanthemi Rabenh.

Verwoerd (1929 b) 10, (1931 a) 301; Doidge & Bottomley (1931) 19; Hopkins (1938 a) 120, (1939 a) 10.

on *Chrysanthemum morifolium* Ram., fairly common throughout the Union of South Africa, *Doidge & Bottomley*; Stellenbosch, *Verwoerd* (Stell. 394); Wellington, Somerset West and Caledon, *Verwoerd*; Bloemfontein, *Verwoerd*; Salisbury, *Hopkins* (Rh. 1093, 1098) Kew; Umtali (Rh. 1936).

Oidium Hortensiae Jøφrstad

Hopkins (1939 a) 23, (1930) 506.

as *Oidium* sp., Hopkins (1938 a) 120.

on *Hydrangea opuloides* Koch, Port Elizabeth, *Pringle*, 23681; Vereeniging, *Brandmüller*, 28802; Johannesburg, *Orr*, 27572; Durban, *McClean*, 30672; Stellenbosch, *du Plessis* (Stell. 516); Salisbury, *Hopkins* (Rh. 1603, 1787).

The perfect stage, which has been described as *Microsphaeria polonica* Siemaszko, has not been found in South Africa.

Oidium Lycopersicum Cooke & Mass.

on **Lycopersicum esculentum** Mill., northern Transvaal, not uncommon.

Oidium Mangiferae Berthol

as *Oidium* sp., Doidge & Bottomley (1931) 37; Hopkins (1938 a) 120, (1939 a) 26.

on **Mangifera indica** Linn., Mataffin, *Hall*, 26584, *Wager*, 26593; Duiwelskloof, v. d. *Merwe*, 22551, *Murray & Drysdale*, 26413; Salisbury (Rh. 615, 3276); Umtali, *Hopkins* (Rh. 1018, 228) Kew; Theydon (Rh. 3371).

Oidium quercinum Thuem.

sub *Microsphaera Alni* (Wallr.) Wint., Hopkins (1938 a) 100.

sub *Microsphaera Alni* var. *extensa*, Hopkins (1939 a) 40.

? as *Phyllactinia corylea* in Nel (1942) 14.

? as *Oidiopsis taurica* in Nel (1942) 101.

? as *Oidium* sp., in Nel (1942) 161.

on **Quercus** spp., Groenkloof, v. d. *Vyver*, 21242; Norwood, Johannesburg, *Weintroub*, 33349; Knysna, *D.F.O.*, 13021; Stellenbosch, *Verwoerd* (Stell. 163); Ceres, Tulbagh, Wellington, Caledon, *Verwoerd*; Durban, v. d. *Byl* 58; Stellenbosch, v. d. *Byl* 2104; Derdepoort, 17084; Norwood, *Weintroub*, 33349; Umtali (Rh. 1021); Salisbury (Rh. 2224, 2879); Inyanga & Stapleford, *Hopkins*.

Oidium Solani auct.

on **Solanum tuberosum** Linn., Mokeetsi, *Wilkinson*, 26595; Worcester, *Dippenaar*; fairly common in the northern Transvaal; Sarnia, *Rood*; Seaview and Durban, *Wager*; Salisbury (Rh. 1754).

Oidium Tabaci Thuem.

H. & P. Sydow (1909) 547; van der Byl (1922 d) 283; Moore (1926) 452; Verwoerd (1929 b) 27; Doidge & Bottomley (1931) 62; Eyles (1926) 649.

sub *Erysiphe cichoracearum* DC., Hopkins (1931 b) 49, (1938 a) 100, (1939 a) 28.

on **Nicotiana Tabacum** Linn., Pretoria 190, 15033; Daspoort, 258; Buffelspoort, *Doidge & Bottomley*, 32763; Rustenburg, v. d. *Byl*, 2197, *Doidge*, 15412; Piet Retief, 184; Nelspruit, *Wager*, 27583; Tzaneen, *Burt Davy*, 135; Barberton, 398; Grahamstown, *Dewar*, 276; Stellenbosch, *Verwoerd* (Stell. 423); Oudtshoorn, Barrydale, Ladismith, *Verwoerd*; Mt. Murambala, Shire River, *Howard*, 643; Salisbury, *Eyles* 2053, (Rh. 1235, 1367, 1762, 2112, 2693) 15512; Concession (Rh. 110, 111, 211); Glendale (Rh. 211, 230); M'Sonnedi (Rh. 766); Umvukwes (Rh. 3428); Marandellas, *Eyles*.

Nicotiana rustica Linn., Riversdale, *du Plessis* (Stell. 871).

Oidium Tuckeri Berk.

see *Uncinula necator* (Schw.) Burr.

Oidium Verbenae Thom & Bolle

Verwoerd (1931 a) 301.

as *Oidium* sp., Doidge & Bottomley (1931) 65; Hopkins (1938 a) 120, (1939 a) 47.

as *Oidium erysiphoides* Fr., Kalchbrenner & Cooke (1880) 23.

on **Verbena hybrida** Voss, Durban, *McClellan*, 30671; Bloemfontein, *Verwoerd*; Somerset East, *MacOwan* 493; Johannesburg, *Barlow*, 33746; Umhlanga Rocks, *Wager*; Stellenbosch, *du Plessis* (Stell. 514); Salisbury, *Hopkins*, (Rh. 1365).

Oidium sp. (on **Asclepiadaceae**).

on **Asclepias** sp., Riversdale, *du Plessis* (Stell. 802).

Oidium sp. (on **Balsaminaceae**).

on **Impatiens balsamina** Linn., Durban, *McClellan*, 32383.

Impatiens sp., Salisbury (Rh. 868).

Oidium sp. (on **Bignoniaceae**).

on **Bignonia capreolata** Linn., Stellenbosch, *Dippenaar* (Stell. 1008).

Oidium sp. (on **Borraginaceae**).

on **Trichodesma africanum** R. Br., Louis Trichardt, *Fitzgerald*, 26849.

Oidium sp. (on **Burseraceae**).

on **Balsamodendron epobalsamum** Kunth., Lourenco Marques, *Mota* (Cardoso, 1945 : 161).

Oidium spp. (on **Compositae**).

Hopkins (1938 a) 100, 120, (1939 a) 20, 41, 47, 51 (some sub *Erysiphe cichoracearum* DC.)

on **Aster Amellus** Linn., Stellenbosch, *du Plessis* (Stell. 803).

Dimorphotheca sp., Fauresmith, *Henrici*, 32111.

Euryops multifidus DC., Fauresmith, *Henrici*, 33081.

Gaillardia pulchella Foug., Wynberg, *Verwoerd*; Durban, *v. d. Byl*, 32499.

Gerbera Jamesoni Bolus, Salisbury (Rh. 2136, 2695).

Helipterum roseum Benth., Durban.

Senecio cruentus DC., Natal.

Senecio latifolius DC., Salisbury (Rh. 2499); Vumba, *Hopkins*.

Senecio spp., Garstfontein, *Pienaar*, 1423; Booyens, *Burt Davy*, 774.

Sonchus spp., Stellenbosch, *Dippenaar* (Stell. 519); Salisbury (Rh. 1796).

Tripteris pachypteris Harv., Grootfontein, *Gill*, 30664.

Veronia amygdalina Del., Salisbury (Rh. 3008).

Zinnia spp., Johannesburg, *Bottomley*, 33919; Umhlanga Rocks, *Wager*; Salisbury (Rh. 443, 1869, 1979).

Oidium spp. (on **Euphorbiaceae**).

Van der Byl (1922 d) 288; Verwoerd (1931 a) 300; Hopkins (1938 a) 120, (1939 a) 31.

on **Euphorbia** sp., Stellenbosch, *v. d. Byl*; Bloemfontein, *Verwoerd*.

Pedilanthus tithymaloides Poit., Salisbury (Rh. 1836).

Oidium sp. (on **Geraniaceae**).

on **Erodium moschatum** L'Hérit., Elsenburg, *du Plessis* (Stell. 584).

Pelargonium sp., Garstfontein, *Erasmus*, 1943.

Oidium spp. (on **Labiatae**).

Hopkins (1938 a) 120, (1939 a) 24.

on **Leucas martinicensis** R.Br., Concession (Rh. 1330, 1344); Salisbury (Rh. 543); Banket (Rh. 570) Wonderboom, *Pole Evans*, 1297; very common in Natal.

Teucrium riparium Hochst., Maritzburg, *Pole Evans*, 1435.

Oidium spp. (on Leguminosae : Caesalpineae).

on *Azelia quanzensis* Welw., Lourenço Marques, *Mota*; Matola, *Guimarães* (Cardoso 1945 : 159).

Bauhinia Galpinii N.E.Br., Pretoria, 32446.

Bauhinia sp., Duivelskloof, *Liebenberg*, 32722.

Cassia occidentalis Linn., Schagen, *Wager*, 26204; Lourenço Marques, *Howard*, 674, 971.

Isobertinia globifera (Benth.) Hutch., Mnondo, *Hopkins* (Hopkins 1943 : 185; as *Erysiphe* sp. in Hopkins 1932 : 463).

Schotia latifolia Jacq., Bonza Bay, *Bottomley*, 26681.

Oidium spp. (on Leguminosae : Papilionaceae).

sub *Erysiphe Polygoni* DC., Hopkins (1938 a) 190, (1939 a) 18, 48; Bottomley (1932) 20; Nel (1942) 14; Eyles (1926) 630; Doidge & Bottomley (1931) 21, 32, 57.

on *Crotalaria juncea* Linn., Onderstepoort, v. d. Walt, 34191; Umvukwes, *Hopkins* (Hopkins 1943 : 183).

Dolichos biflorus Linn., Salisbury, *Hopkins*.

Dolichos lupiniflorus N.E.Br., M'Sonnedi (Rh. 1914); Salisbury (Rh. 2142).

Glycine Max Merr., Cedara, *Staples*.

Tamarindus indica Linn., Lourenço Marques, *Mota* (Cardoso 1945 : 160).

Tephrosia transvaalensis Hutch. & Burt Davy, Louis Trichardt, *Fitzgerald*, 26850.

Vicia Faba Linn., Ofcalaco; Umbeluzi, *Guimarães* (Cardoso 1945 : 160).

Vigna unguiculata (L.) Walp., Cedara, *Staples*, 15427; Concession (Rh. 1343) Kew; Matopos (Rh. 2893); Amandas (Rh. 3226); Salisbury, *Eyles* (v. d. Byl 2053).

Vigna vexillata Benth., Pyramids, *Mogg*, 33231.

Voandzeia subterranea Thouars, Stegi, *Young*, 9694; Cedara, *Staples*, 17057; Natal, *Curson*, 34173.

Oidium sp. (on Loganiaceae).

on *Buddleia salviolia* Lam., Pretoria, *van Nouhuys*, 21053; Garstfontein, *Doidge*, 1373; Pelindaba, *Doidge & Bottomley*, 32818; The Willows, *Doidge & Bottomley*, 32788; Barberton, *Pole Evans*, 1858.

Oidium sp. (on Malvaceae).

on *Sida cordifolia* Linn., Lourenço Marques, *Howard*, 970.

Oidium sp. (on Moraceae).

on *Cannabis sativa* Linn., Potchefstroom, v. d. Byl, 2258.

Oidium sp. (on Ranunculaceae).

on *Helleborus niger* Linn., Wolseley, *Dippenaar* (Stell. 518).

Oidium sp. (on Rosaceae).

on *Prunus salicina* Lindl., Stellenbosch, *Dippenaar*.

Oidium sp. (on Scrophulariaceae).

on *Linaria* sp., Salisbury (Rh. 945) Kew,

Oidium spp. (on **Solanaceae**).

Hopkins (1939 a) 32, 33, 42, (1943) 184.

on **Datura ferox** Linn., Umtali, *Hopkins*.**Datura Stramonium** Linn., Bon Accord, *Mogg*, 32435 ; Rhenosterfontein, Nylstroom, *Turner*, 33230.**Petunia hybrida** Vilm., Salisbury, (Rh. 1769).**Physalis angulata** Linn., Salisbury, *Hopkins*.**Solanum indicum** Linn., Melsetter, *Swynnerton*, 10712.**Solanum melongena** var. **esculentum** Nees, Salisbury (Rh. 1760) ; Durban, *Wager*.**Oidium** spp. (on **Sterculiaceae**).on **Dombeya cymosa** Harv., Table Mt., Natal, *Fuller*, 1678.**Hermania** sp., Pretoria, 896.**Oospora Citri-aurantii** Ferraris

Doidge (1929 b) 323 ; Doidge & Bottomley (1931) 45 ; Doidge & van der Plank (1936) 21 ; Bates (1937 a) 157, (1937 b) 176, 185 ; Hopkins (1938 a) 120, (1939 a) 13 ; Cardoso (1939) 44, (1945) 151 ; St. John-Brooks (1936) 90.

on **Citrus sinensis** Osbeck, fruit, Rustenburg, *Doidge* ; Mazoe, *Bates* ; Riversdale, S. Rhodesia (Rh. 1033, 1043) ; Moçambique, *Cardoso*.**Oospora fimicola** (Cost. & Matruch.) Cub. & Meg.*Monilia fimicola* Cost. & Matruch., Bottomley (1939) 27.on mushroom beds, Cambridge, *McNish*, 29943 ; Pretoria, *Hall*, 30293.**Oospora Fusidium** (Thuem.) Sacc. & Vogl.

Sacc. Syll. Fung. IV : 21.

Torula Fusidium (Thuem., von Thuemen (1877) 412.on **Encephalartos cycadifolius** Lehm, living leaves, Boschberg, *MacOwan* 1328 (Thuem. Myc. Univ. 1381 ; S.A.M. 35181) 21979.**Oospora lactis** (Fres.) Sacc.*Oidium lactis* Fres., Doidge (1910) 26.isolated from kaffir beer made from maize, **Zea Mays** Linn. and "Mabele" **Sorghum caffrorum** Beauv., *Doidge* ; ? from gelatinous scum in Citrus by-products factory, Mazoe, *Bates* 394, 34014.**Oospora pustulans** Owen & Wakef.on **Solanum tuberosum** Linn., Underberg, *Wager*, *Verwoerd*.**Ovularia histortae** (Fuck.) Sacc.on **Polygonum aviculare** Linn., Elsenburg, *Gorter* (Stell. 1083).**Ovularia Lolii** Volkarton **Lolium temulentum** Linn. Elgin, *Dippe naar* (Stell. 1015, 1016).

Ovulariopsis moricola Del.

Hopkins (1930) 528.

sub *Phyllactinia corylea* (Pers.) Karst., Hopkins (1938 a) 100, (1939 a) 26; Cardoso (1945) 154.on *Morus* sp., Durban, *McClellan*, 30762; Salisbury (Rh. 882, 1551); Lourenço Marques, *Guimarães*.**Ovulariopsis Papayae** v. d. Byl

van der Byl (1921 b) 189; Hopkins (1938 a) 120, (1939 a) 9; Doidge & Bottomley (1931) 46.

? as *Phyllactinia corylea* (Pers.) Karst., Cardoso (1939) 44, (1945) 155.on *Carica Papaya* Linn., Durban, v. d. Byl, 32018, *McClellan*, 21586, 22089, *Bottomley*, 30750; Stella Bush, *Wager*, 32458; Maritzburg, *Wager*, 32457; Valencia, *de Beer*, 26337; Barberton, *Pole Evans*, 1920; Boschrand Citrus Estates, *Wager*, 26570; Letaba, *Cousins*, 27547; Salisbury (Rh. 763, 983, 1521, 1532); Shamva, Trelawney, Banket, Umtali, *Hopkins*; Salisbury, *Hopkins* (Rh. 214) Kew; Mbabane, *Smith* (Stell. 56); Lourenço Marques, *Guimarães*.**Ovulariopsis Passiflorae** Syd.? as *Oidiopsis taurica* in Nel (1942) 101.on *Passiflora* sp., Koodoo's Poort, *Pole Evans*, 1414; ? Bethlehem, v. d. *Merwe* (v. d. Byl 1444).**Ovulariopsis** sp.on *Chenopodium ambrosioides* Linn., without locality, 541.**Ovulariopsis** sp.sub *Phyllactinia corylea* (Pers.) Karst., Hopkins (1938 a) 100, (1939 a) 33.on *Phlox Drummondii* Hook., Settlers, 33474, *Kraamwinkel*, 33229; Salisbury *Hopkins* (Rh. 3596).**Ovulariopsis** sp.on *Zantedeschia aethiopica* (L.) Spreng., Pretoria, 60 c, *Terry*, 34158; Barberton, *Doidge*, 2011; Zeerust, *Wolmarans*, 26702.**Paecilomyces aureo-cinnamomeum** (Biourge) Thomisolated from coconut matting used underground in mine, New State Areas, *Bowen* (T.R.L. 350, det. Baarn) 33294.**Paecilomyces varioti** Bainier

Thom (1930) 544-546; Doidge & van der Plank (1936) 21; Stevenson & Rands (1938) 288.

Penicillium divaricatum Thom, van der Byl (1920 c) 1, (1921 e) 232.

isolated from

Citrus sinensis Osbeck, rotting fruit from Rustenburg, Sunday's River, Groot Drakenstein, *Doidge*.from air in fruit inspection sheds, *V. A. Putterill*.from air in sugar mills, v. d. *Byl*, 14259.

Paecilomyces sp.

isolated from brattice cloth used underground in mine, New Modderfontein, (T.R.L. 1403, det. Thom).

Penicillium acidoferum Sopp.

isolated from *Citrus sinensis* Osbeck, decaying fruit, Cedara, *Ripley*.

Penicillium sp. (**Penicillium Adametzi** Zal. prox.)

isolated from ventilation tubing, Crown Mines (T.R.L. 1419, det. Thom).

Penicillium brevi-compactum Dierckx

on brattice cloth, underground in mine, New Modderfontein (T.R.L. 759, det. Thom).

Penicillium citrinum Thom

Thom (1930) 256, 258.

isolated from fruit, Cape Town, *V. A. Putterill*.

Penicillium coryphilum Dierckx.

Thom (1930) 254.

isolated from air in fruit packing and inspection sheds, Cape Town, *V. A. Putterill*.

Penicillium cyclopium Westling

du Plessis (1936) 384-385, as *Penicillium cyclopodium* West.

isolated from *Vitis vinifera* Linn., berries, south-western Cape, *du Plessis*.

Penicillium digitatum Sacc.

Pole Evans (1908 e) 126 ; Verwoerd (1929 b) 9, 15, 19 ; Doidge & Bottomley (1931) 34, 44 ; Doidge & van der Plank (1936) 21 ; Bates (1937 a) 157, (1937 b) 176, 184 ; Hopkins (1938 a) 120 ; Cardoso (1938) 76, (1937) 152, (1945) 151, 152, 153 ; St. John-Brooks (1936) 93.

on *Carica Papaya* Linn., fruit, south-western Cape, *Dippenaar*.

Citrus Limonia Osbeck, on fruit, common and widespread ; Sul do Save, *Cardoso* ; Lourenço Marques, *Cardoso*.

Citrus maxima Merr., common on fruit ; Magude, *Cardoso*.

Citrus nobilis Lour. var. *deliciosa* Sw., common on fruit ; Lourenço Marques, *Soares*.

Citrus sinensis Osbeck, common and widespread on fruit, the most common cause of rotting in stored fruit ; Mazoe (Rh. 290) ; Riversdale, S. Rhodesia (Rh. 1035, 1036, 1047, 1263) ; Mazoe, *Bates* ; Magude, *Cardoso* ; Lourenço Marques, *Cardoso*.

Physalis peruviana Linn., fruit, Stellenbosch, *Verwoerd*.

Var. **californicum** Thom.

Doidge & van der Plank (1936) 21.

isolated from

Citrus sinensis Osbeck, fruit from Sunday's River and Groot Drakenstein, *Doidge* ; Oppaslaagte, *Lowe*, 30659.

Penicillium Duclauxii Delacr.

isolated underground in mine, Simmer & Jack Mines, (T.R.L. 360, det Baarn ; *Penicillium Duclauxii* prox. fide Thom).

Penicillium elongatum Dierckx.

du Plessis (1936) 14.

isolated from **Vitis vinifera** Linn., berries, south-western Cape, *du Plessis*.

Penicillium expansum Link emend. Thom

V. A. Putterill (1923 a) 332 ; Doidge & Bottomley (1931) 6 ; du Plessis (1936) 14 ; Hopkins (1939 a) 39.

as *Penicillium* sp., Verwoerd (1929 b) 6.

on **Pyrus malus** Linn., decaying fruit, common throughout South Africa, especially on fruit in cold storage ; Cape Town, Elgin, Stellenbosch, Villiersdorp, *Verwoerd* ; Salisbury, *Hopkins*.

Vitis vinifera Linn., berries, south-western Cape, *V. A. Putterill, du Plessis*.

Penicillium funiculosum Thom

Thom (1930) 464, 465.

as *Penicillium* sp., Doidge & Bottomley (1931) 50.

isolated from **Ananas comosus** Merr., fruit, Bathurst Distr., *Bottomley*.

Penicillium sp. (between **Penicillium Gilmanii** Thom & **P. guttulatum**)

isolated from coat of mine native, Randfontein Estates (T.R.L. 423 a, det. Thom).

Penicillium Gladioli Machacek

Hopkins (1938 a) 120, (1939 a) 20.

on **Gladiolus** spp., corms, Salisbury (Rh. 1437, 1706) ; on corms imported from Holland, Port Elizabeth, *Bottomley*, 30706.

Penicillium glaucum Link

on **Corylus Avellana** Linn., nuts, Pretoria, 23651.

Penicillium Gratioti Sartory

Sartory (1913) 161 ; Thom (1930) 338 ; Sacc. Syll. Fung. XXV : 681.

Penicillium glaucum Link, Herter (1913) 289.

from gold mine (6th level, City Deep Mine) Witwatersrand, *Pole Evans*, 5587.

Penicillium sp. (**Penicillium Hagemi** Zal. prox.)

isolated from flannel used underground in mine, Durban Roodepoort Deep, *Lurie* (T.R.L. 214) 33287 ; van Rhyn Deep (T.R.L. 217, det. Thom).

Penicillium sp. (**Penicillium intricatum** Thom prox.)

isolated from flannel used underground in mine, Witwatersrand (T.R.L. 220, det. Thom) 33288 ; Roodepoort Deep (T.R.L. 1496, det. Thom).

Penicillium italicum Wehm.

V. A. Putterill (1921) 531 ; Verwoerd (1929 b) 15, 19, (1931 a) 301 ; Doidge & Bottomley (1931) 34, 43 ; Doidge & van der Plank (1936) 21 ; Bates (1937 a) 157, (1937 b) 176, 184 ; Hopkins (1938 a) 120, (1939 a) 11 ; Cardoso (1938) 76, (1937) 52.

on **Citrus Limonia** Osbeck, fruit, common in the Union of South Africa and in Southern Rhodesia.

Citrus maxima Merr., fruit, Sunday's River and Groot Drakenstein, *Doidge*.

Citrus nobilis var. *deliciosa* Sw., fruit, fairly common.

Citrus sinensis Osbeck, common throughout the Union of South Africa and Southern Rhodesia ; Sul do Save, *Cardoso* ; Magude, *Cardoso*.

Prunus persica Sieb. & Zucc., Rosebank, *V. A. Putterill*.

Prunus salicina Lindl., Rosebank, *V. A. Putterill*.

Penicillium janthinellum Biourge

isolated from brattice cloth used underground in mine, Modderfontein Deep (T.R.L. 1401, det. Thom)

Penicillium lanosum Westling

isolated from brattice cloth used underground in mine, Modderfontein Deep, (T.R.L. 761, det. Thom).

Penicillium ? *luteo-viride* Biourge

Thom (1930) 462.

isolated from air in fruit-packing and inspection sheds, Cape Town, *V. A. Putterill*.

Penicillium luteum Zukal

isolated from coat of mine native, Randfontein Estates (T.R.L. 426, det. Baarn).

Penicillium luteum (series)

Doidge & van der Plank (1936) 22.

on **Citrus sinensis** Osbeck, fruit, Barclayvale, *Doidge*.

Penicillium notatum Westling.

in cultivation at Medical Research Institute, Johannesburg.

? isolated from ventilation tubing, Crown Mines (T.R.L. 1422, det. Thom).

Penicillium oxalicum Currie & Thom

Hopkins (1938 a) 120.

on **Zea Mays** Linn., grain, Hunyani (Rh. 1094) ; Fort Victoria (Rh. 1164) ; Amandas (Rh. 1660) ; Salisbury (Rh. 1713) ; ? Johannesburg, 187.

Penicillium palitans Westling

isolated from flannel used underground in mine, Durban Roodepoort Deep (T.R.L. 226, det. Thom).

Penicillium ? *Petchii* Sartery & Bainier

Thom (1930) 454.

as *Penicillium* sp., *Doidge & Bottomley* (1931) 50.

isolated from **Ananas comosus** Merr., fruits, Bathurst Distr., *Bottomley*.

Penicillium pinophilum Hedcock

Thom (1930) 462, 463.

as *Penicillium* sp., *Doidge & Bottomley* (1931) 50.

isolated from **Ananas comosus** Merr., fruit, Bathurst Distr., *Bottomley*.

Penicillium purpurogenum Stoll.

van der Byl (1920 e) 4.

isolated from sugar, Natal coast, v. d. Byl, 14262.

Penicillium Putterillii Thom

Thom (1930) 368.

isolated from air in fruit-packing and inspection sheds, Cape Town, V. A. Putterill.

Penicillium Roqueforti Thom

Davel (1940-1943).

introduced in culture for the manufacture of Roquefort cheese.

Penicillium roseo-citrinum Biourge

Thom (1930) 323.

isolated from air in fruit inspection and packing sheds, Cape Town, V. A. Putterill.

Penicillium rugulosum Thom var. **aureomarginatum**

isolated from coconut matting, underground in mine, New State Areas (T.R.L. 351).

Penicillium sp. (**Penicillium simplicissimum** (Oud.) Thom prox.)

isolated from ventilation tubing, Crown Mines (T.R.L. 1416, det. Thom).

Penicillium solitum Westling

isolated from canvas used underground in mine, Randfontein Estates (T.R.L. 222).

Penicillium tardum Thom

Thom (1930) 485.

isolated from air in fruit-packing and inspection sheds, Cape Town, V. A. Putterill; from underground mine timber, Durban Roodepoort Deep (T.R.L. 248, det. Thom).

Penicillium verrucosum Dierckx.

Doidge & van der Plank (1936) 22.

on *Citrus sinensis* Osbeck, Zebediela and northern Transvaal, Doidge.**Penicillium viridicatum** (series).

Thom (1930) 392, 393.

isolated from air in fruit inspection and packing sheds, Cape Town, V. A. Putterill.

Penicillium spp.

Doidge & van der Plank (1936) 22.

on *Citrus sinensis* Osbeck, numerous unidentified species isolated from rotting fruit, these were not pathogenic.**Penicillium** sp.

McMartin (1937 b).

on *Saccharum officinarum* Linn., cuttings, Natal coast, McMartin.

Physospora rubiginosa Fr.

Kalchbrenner & Cooke (1880) 24; Sacc. Syll. Fung. IV: 89.

Rhinotrichum rubiginosum (Fr.) Lloyd (1916 d) L. 63: 4; van der Byl (1922 d) 228.
on surface of dead wood, Somerset East, *MacOwan* 1387, 21996; Stellenbosch, *Duthie* 85,
31342; Fountains Valley, *Bottomley*, 28461.

Rhinotrichum Curtisii Berk. & Curt.

on dead wood and bark, Town Bush Valley, *Rump* 319 a, 461 a, 28678, 28979; poplar
bush near Wonderboom, *Doidge & Bottomley*, 28726; de Beer's Rust, *Doidge & Hean*,
30695; Boschfontein, *Doidge & Bottomley*, 33204.

Scopulariopsis sphaerospora F. Zach

on **Man**: isolated from cases of eczema (probably a contaminant) Johannesburg, *H. L. Lurie*.

Sorosporaella uvella (Krass.) Giard.

on **Euxoa segetis** Schiff, (Cutworm) larvae, Natal, *Ripley*.

Sorosporaella sp.

on **Gryllus** sp., (Cricket) Pretoria, *Schaefer*.

Sphaceloma ampelinum de Bary

Doidge & Bottomley (1931) 27; *Cardoso* (1939) 45, (1945) 155.

Phoma ampelinum de Bary, *Pole Evans* (1906 a) 137.

Gloeosporium ampelophagum (Pass. Sacc.) *Lounsbury* (1906) 29; *Pole Evans* (1908 d)
577; van der Byl (1922 d) 287; *Eyles* (1926) 651; *Verwoerd* (1929 b) 12, (1931 a)
301; *Doidge & Bottomley* (1931) 27; *Hopkins* (1938 a) 119, (1939 a) 48; *Nel*
(1942) 99; *Cardoso* (1937) 155.

on **Vitis vinifera** Linn., Constantia, 34; Stellenbosch, Wellington, Paarl, Wynberg, Con-
stantia, Stormsvlei, *Verwoerd*; Stellenbosch, *du Plessis*, (Stell. 207), *van der Byl* 100;
Bloemfontein, *Verwoerd*; Natal, 447; Pretoria, 225, *Hawke*, 15056, *Smit*, 15653,
v. d. Merwe, 27355, *Bottomley*, 32637; Krugersdorp, 15057; Nelspruit, *McGregor*,
24876; Barberton, *Winter*, 142; The Downs, *Murray*, 30886; Lourenco Marques,
Howard, 972, *Santos & Arcas*; Umbeluzi & Quelimane, *Guimarães*; Bulawayo (Rh.
56); Rusape (Rh. 719); Salisbury & Selukwe, *Eyles*; Gwelo, *Hopkins*; Durban,
v. d. Merwe (*v. d. Byl* 647) 31874; Mahlabatini, *Gerstner*.

Sphaceloma Fawcetti Jenkins

Verwoerd (1929 b) 15; *Doidge & Bottomley* (1931) 27, 34, 45, 56; *Bates* (1937 b)
206; *Hopkins* (1938 a) 103; *Cardoso* (1937) 155, (1938) 75, (1939) 44, (1945)
151, 152, 153.

Elsinoe Fawcetti Bitancourt & Jenkins, *Hopkins* (1939 a) 12.

as *Sporotrichum Citri* Butler, *Hopkins* (1930) 417; *Cardoso* (1935) 184.

as *Cladosporium Citri* in *Nel* (1942) 97.

on **Citrus aurantium** Linn., Ofcalaco, *Douglas*, 25475; Amatikulu, *Ardington*, 15036.

Citrus Limonia Osbeck, leaves, twigs and fruit, Ginginhlovu, *Goldsmith*, 2150; East
London, *Kruize*, 25432; White River, *Cazalet*, 24908, *Connaughton*, 6966; Hammans
Kraal, 921; Warmbaths, 698, 922; Nelspruit, *Wager*, 32774; eastern Transvaal,
Doidge, 32768; Duivelskloof, *Wager*, 25449; Piquetberg, *Verwoerd*; Phoenix, *Wager*;
Golden Valley, *Muden*, *Wager*; Salisbury (Rh. 1041); Shamva (Rh. 2280); Odze
(Rh. 3538); Umtali, *Hopkins*; Mazoe, *Bates*; Xinavane, *Cardoso*; Chinhangvanine,
Chobela, Umbeluzi, *Guimarães*, *Cardoso*; Lourenço Marques, *Botelho*.

- Citrus maxima* Merr., Amatikulu, *Ardington*, 15036 ; Verulam, *Esselen*, 23683.
Citrus nobilis var. *deliciosa* Sw., Bathurst, *Clark*, 30983, 31006, Lourenço Marques, *Silva*.
Citrus sinensis Osbeck, fruit, Buccleuch, *Doidge* ; Magude, Xinavane, Umbeluzi, *Cardoso*.
Citrus sp., Swaziland, v. d. *Byl* 1322.

***Sphaceloma Perseae* Jenkins**

- Jenkins (1934 a) 75, (1934 b) 859 ; Hopkins (1938 a) 121, (1939 a) 32.
 as *Sphaceloma* sp., Doidge & Bottomley (1931) 10.
 on *Persea americana* Mill., Grahamstown, *Gowie*, 29882 ; Duivelskloof, *Mills*, 30984 ;
 Shamva (Rh. 1259, 2280).

***Sphaceloma Poinsettiae* Jenkins**

- on *Euphorbia pulcherrima* Willd., Southern Rhodesia, *Hopkins*.

***Sphaceloma Rosarum* (Pass.) Jenkins**

- Hopkins (1938 a) 121, (1939 a) 40.
 on *Rosa* spp., Salisbury (Rh. 2148, 2719) ; Stapleford (Rh. 2730) ; Bulawayo, (Rh. 3124) ;
 Kinross, *Way*, 34002.

***Sphaceloma Violae* Jenkins**

- Massey & Jenkins (1935) ; Jenkins (1938) 86.
Gloeosporium Violae Berk. & Br., Hopkins (1938 a) 119, (1939 a) 48.
 on *Viola odorata* Linn., Greytown, *Doidge*, 28709 ; Estcourt, *Erzleben*, 33080 ; Pretoria,
Jordaan, 28807, *Kresfelder*, 30982 ; Balfour, *Moore*, 33154 ; Johannesburg, 30864,
 Pretoria, *Bottomley*, 33604 ; Grahamstown, *Kannemeyer*, 33979 ; Umtali, Hopkins,
 (Rh. 1935) ; Salisbury, Banket, Gwelo, *Hopkins*.

***Sphaceloma* sp.**

- ? *Elsinoe Pyri* (Woron.) Jenkins, *Sphaceloma* stage, Hopkins (1939 a) 39.
 on *Pyrus malus* Linn., leaves, Umtali, *Hopkins*.

***Sporotrichum Carougeai* Langeron**

- Pijper (1931) 390 ; St. John-Brooks (1936) 124.
 on Man : isolated from superficial lesions of the skin, *Pijper*.

***Sporotrichum Citri* Butler**

- Doidge & Butler (1924) 119.
 isolated from *Citrus Limonia* Osbeck, leaves, associated with *Sphaceloma Fawcetti* Jenkins.
 Kew.

***Sporotrichum epiphyllum* Link**

- Kalchbrenner (1882 b) 27 ; Sacc. Syll. Fung. IV : 97.
 on *Pelargonium* sp., dying leaves, Somerset East, *MacOwan* 1171.

***Sporotrichum paranense* Marchion.**

- Cardoso (1937) 153, (1939) 44.
 on *Nomadacris septemfasciata* Serv., Lourenço Marques, *Cardoso* ; Moamba, *Vianna* ;
 Mungari, *Frias* ; Muguene, *Vieira* ; Impamputo, *Cardoso* ; Quelimane, *Cardoso*.

Sporotrichum roseum Link

on **Pyrus communis** Linn., twigs, Pretoria, 20674.

Sporotrichum Schencki Matruchot

Robinson & Parkin (1929) 24.

on **Horse** : isolated from skin lesions, Pretoria, *Robinson & Parkin*.

Var. **Beurmanni** (Matruchot & Ramond) Dodge

Sporotrichum Beurmanni Matruchot & Ramond, Pijper & Pullinger (1927 b) 914 ;
Dangerfield & Gear (1941) 128 ; du Toit (1942) 2 ; St. John-Brooks (1936) 124.

Rhinocladium Beurmanni Vuill., Goldberg & Pijper (1931) 140.

as *Sporotrichum Schencki* Matruchot, Ferreira (1941) 41.

on **Man** : isolated from lesions in numerous cases of "sporotrichosis" amongst natives working underground in gold mines on the Witwatersrand ; 74 cases from Simmer & Jack Mines and Robinson Deep ; about 650 cases amongst natives and some Europeans at Venterspost ; Randfontein Estates, Geldenhuis Deep, Blyvooruitzicht ; Johannesburg (T.R.L. 1766) 33499 ; Modderfontein East (T.R.L. 1764) : Johannesburg (T.R.L. 1433, det. Baarn) 34229 ; Consolidated Main Reef Mines (T.R.L. 1908) ; from lesions on European from Kanye, Bechuanaland ; from wrist of European woman, Port Elizabeth, *Harington* ; several cases amongst natives in Mozambique, *Ribeiro, Ferreira*.

isolated from underground mine timbers, Consolidated Main Reef Mines (T.R.L. 1802) 33498 ; Venterspost (T.R.L. 1801).

from spore catch in mine, Venterspost, *Simson* (T.R.L. 1807) : the only spore catch culture of this fungus, on about 300 petri dishes exposed over a period of 2 years.

Trichoderma lignorum (Tode) Harz

Doidge & van der Plank (1936) 23 ; Bates (1937 b) 176, 198 ; Hopkins (1938 a) 121, (1939 a) 13.

Trichoderma viride Pers., Hopkins (1941) 1.

on **Citrus Limonia** Osbeck, fruit, Mazoe, *Bates*.

Citrus sinensis Osbeck, fruit, Mazoe, Bates ; isolated from rotting fruit from Letaba, White River, Zebediela, Rustenburg, Muden, Sunday's River, Groot Drakenstein, *Doidge* ; from roots, northern Transvaal, *Doidge*.

Solanum tuberosum Linn., tubers, southern Rhodesia, *Hopkins*.

isolated from discoloured wood of orange boxes, eastern Transvaal, *Doidge*.

from underground mine timber, Durban Roodepoort Deep (T.R.L. 249, det. Baarn)

from coat of mine native, Randfontein Estates (T.R.L. 427, det. Baarn).

Verticillium albo-atrum Reinke & Berth.

Hopkins (1938 a) 121, (1939 a) 44 ; Doidge & Bottomley (1931) 53.

on **Gossypium** sp., Kakamas, *Moore*, 27657 ; Perde Eiland and Bassonsdrift, *Gutsche Moore* ; Uppington, *Agric. officer* ; Pongola, *Moerdyk*.

?on **Solanum Melongena** var. *esculentum* Nees, Tulbagh, *Dippenaar*.

on **Solanum tuberosum** Linn., Salisbury (Rh. 1891) ; Cape, *Loidge & Bottomley*.

Verticillium pulvinulium Kalchbr. & Cooke

Kalchbrenner (1882 b) 27 ; Sacc. Syll. Fung. IV : 151.

on **Aloe** sp., dying leaves, Somerset East, *MacOwan 1170*.

Verticillium terrestre (Pers.) Sacc.

on **Triticum aestivum** Linn., Stellenbosch, *Gorter*, 33365.

Verticillium sp.

Hopkins (1931 b) 61.

on *Nicotiana Tabacum* Linn., roots, Rhodesia, *Hopkins*.**Verticillium** sp.

Hopkins (1939 a) 51 ; Bottomley (1939) 26.

on *Pholiota* sp., cultivated mushrooms, Rhodesia, Hopkins (*Verticillium agaricinum* Corda aff.)*Psalliota* sp., Groenkloof, *Winkworth*, 30705.

HYALODIDYMAE.

Cephalosporiopsis parasitica Hansf.on *Irene inermis* (Kalchbr. & Cooke) on *Buddleia salvifolia*. Buccleuch, *J. M. Sim*, 10146 b.**Cylindrocladium scoparium** Morganon *Acacia mollissima* Willd., base of stem of seedlings and young trees, Natal midlands, *Ledeboer*.**Mycogone aurantiaca** Cam.

da Camara (1918) 11 ; Sacc. Syll. Fung. XXV : 716 ; Cardoso (1945) 159.

on ? rhizomorphs of Agaricaceae or Polyporaceae undet., Zambesi region.

Mycogone sp.on *Russula cyanoxantha* (Schaeff. ex Secr.) Fr., Kirstenbosch, *Pocock* (E. L. Stephens 360 34495).**Rhynchosporium secalis** (Oud.) Davis

N. J. G. Smith (1937) 286.

on *Hordeum vulgare* Linn., Stellenbosch, Albany, Knysna, Humansdorp and Stockenström districts, *N. J. G. Smith*.**Trichothecium roseum** Link*Cephalothecium roseum* Corda, Eyles (1926) 645, 647 ; Doidge & Bottomley (1931) 8, 44 ; Hopkins (1930) 649, (1938 a) 120, (1939 a) 13, 16 ; Doidge & van der Plank. (1936) 17.on *Citrus sinensis* Osbeck, fruit, Riversdale, S. Rhodesia (Rh. 1043, 1068); Pretoria, *Doidge**Corylus avellana* Linn., nuts, Pretoria, 23648.*Dahlia pinnata* Cav., tuber, Salisbury (Rh. 1832).*Fragaria* sp., fruit, Salisbury (Rh. 97).*Passiflora* sp., dead stems, Pretoria, *Fouche*, 14142.*Prunus salicina* Lindl., Umvukwes, Eyles.*Pyrus communis* Linn., stems, Pretoria, 20673.*Pyrus malus* Linn., fruit, Transvaal, *Doidge & Bottomley*.*Rosa* sp., Mazoe, Eyles.*Ravenelia MacOwaniana* Pazschke, aecidial galls, Groenkloof, *Howlett*, 12799.*Scleroderma Ceba* Pers., Fountains Valley, *Bourquin*, 21097, *Bottomley & Louwrens*, 28582.on sterilised oats, used for culturing insect larvae, Cedara, *Ripley*.

HYALOPHRAGMIAE.

Eriomycopsis Asterinae Hansf.

Hansford (1942) 466.

- on **Asterina Scolopiae** Doidge on *Scolopia Zeyheri*, Hogsback, K. M. Putterill, 30084 a.
Asterina tertia var. **africana** Doidge on *Hypoestes verticillaris*, Claridge, Doidge, 8998 a

Eriomycopsis Bomplandi Speg.

Hansford (1942) 468.

- on **Asterina Hendersoni** Doidge on *Ilex capensis*, van Staden's Pass, Doidge, 10884 a.
Asterina natalitia Doidge on *Eugenia zuluensis*, Umzinto, Wager, 32683 d.
Irene natalensis Doidge on *Scolopia Mundtii*, Haenertsburg, Doidge, 1772 a.
Irene Nuxiae Syd. on *Lachnopylis floribunda*, Storms River, Doidge, 17181 a.
Irene scabra Doidge on *Trichocladus drinitus*, Izelini Forest, 11611 a; on *Trichocladus ellipticus* Hogsback, Henderson, 11338 a; Pirie Forest, Doidge, 12298 a.
Meliola Cryptocaryae Doidge on *Cryptocarya transvaalensis*, Woodbush, Doidge, 28325 a.
Meliola ganglifera Kalchbr. on *Curtisea faginea*, Woodville Forest, Doidge, 10933 c.
Deepwalls, Bottomley, 32229 b.
Meliola Goniomae Doidge on *Gonioma Camassi*, Deepwalls, Bottomley, 32122 a.
Meliola oleicola Doidge on *Olea laurifolia*, Pirie Forest, Doidge, 22410 a.
Meliola torta Doidge on *Trichocladus crinitus*, Storms River, Doidge, 17170 c; Deepwalls, Doidge, 17195 c.
Meliola Woodiana Sacc. on *Canthium ventosum*, Deepwalls, Doidge, 17219 a.
This is possibly the conidial form of *Calonectria Ugandae* Hansf.

Eriomycopsis flagellata Hansf.

Hansford (1942) 465.

- on **Meliola torta** Doidge on *Trichocladus crinitus*, Izelini Forest, Emmett, 9064 c.

Eriomycopsis Meliolae Hansf.

Hansford (1942) 468.

- on **Meliola Toddaliae** Doidge on *Teclea natalensis*, Buccleuch, Doidge, 11564 b; Pirie Forest, Doidge, 12287 b; Alexandria, Doidge, 22353 b.

Eriomycopsis minima Hansf.

Hansford (1942) 465.

- on **Irene Nuxiae** Syd. on *Lachnopylis floribunda*, Keurkloof Forest, Doidge, 17107 a
Irene Podocarpi Doidge on *Podocarpus falcatus* Storms River, 17166 b.
Irene Strophanthi Doidge on *Strophanthus speciosus*, Woodbush, Doidge, 1781 b. Winkle
Meliola capensis (Kalchbr. & Cooke) Theiss. & Syd., on *Hippobromus pauciflorus*, Spruit, Pole Evans, 1402 a.
Meliola comata Doidge on *Pyrenacantha scandens*, Woodville Forest, Doidge, 11020 d.
Meliola ganglifera Kalchbr. on *Curtisia faginea*, Deepwalls, Bottomley, 32229 c.
Meliola rhoina Doidge on *Harpephyllum caffrum*, East London, Doidge, 10926 b; Pirie Forest, Doidge, 12269 b; on *Rhus longispina*, Kowie, Doidge, 12360 a.

Eriomycopsis Ugandae Hansf.

Hansford (1942) 467.

- on **Irene scabra** Doidge on *Trichocladus ellipticus*, Pirie Forest, Doidge, 12298 b.

Piricularia Oryzae Bri. & Cav.

Cardoso (1937) 154, (1938) 75, (1939) 45, (1945) 150.

on *Oryza sativa* Linn., Sul do Save, *Cardoso*; Zavala, *Cardoso*.**Ramularia Primulae** Thuem.on *Primula polyantha* Mill., Balfour, Transvaal, *Mostert*, 28711; Johannesburg, *Bottomley*; Pretoria, *Doidge*, 33995, 34044.**Ramularia Richardiae** Kalchbr.

Kalchbrenner & Cooke (1880) 23; Sacc. Syll. Fung. IV: 217.

on *Zantedeschia aethiopica* (L.) Spreng., Bindura, *Hopkins* (Rh. 4911).*Zantedeschia albo-maculata* (Hk.) Baill., Somerset East, *MacOwan* 493, 1116, 22017, Kew.**Ramularia Rumicis** Kalchbr. & Cooke

Kalchbrenner & Cooke (1880) 23; Sacc. Syll. Fung. IV: 215.

on *Rumex nepalensis* Spreng., Somerset East, *MacOwan* 1180, Kew.

HYALODICTYAE

Coniodictyum Evansii (Magn.) v. Höhn.

von Höhn (1910 d) 590.

Hyalodema Evansii Magnus (1910) 379; Sacc. Syll. Fung. XXII: 1330; Hopkins (1938 a) 120, (1939 a) 51.on *Zizyphus jujuba* Lam., Concession (Rh. 146).*Zizyphus mucronata* Willd., Zoutpansberg, *Burt Davy*, 92; Nelspruit, *Hall*, 2537; Fountains, *Pole Evans*, 1006; Garstfontein, *Pienaar*, 1214; Hartebeestpoort, *Doidge*, 20611; Johannesburg, *Krause*, 30667; Cramond, *Pole Evans*, 5648; Maritzburg, *J. M. Sim*, 15019, *Rump* 438, 30223; Kentani, *Pegler* 1966, 8789, Kew; Marikana, *Pallister*, 11812; Buccleuch, *J. M. Sim*, 11240; Dundee, *Jansen*, 10095.

SCOLECOSPORAE.

Cercospora Brassicae (Fautr. & Roum.) v. Höhn.on *Brassica Rapa* Linn., Underberg, *Wager*, 34108; Himeville, *Wager*, 34109.**Cercospora delicatissima** (Kalchbr. & Cooke) Chupp.

Chupp & Doidge (1948) 884.

Cercospora delicatissima Kalchbrenner & Cooke (1880) 24.*Asteroma pullum* Kalchbrenner, von Thuemen (1875) 380.on *Priva Meyeri* Jaub. & Spach., on leaves, Boschberg, *MacOwan* 1109, Type, 22013, Kew.**Cercospora Ekebergiae** Syd.

H. & P. Sydow (1914 b) 267.

on *Ekebergia* sp., Verulam, *Pole Evans*, 6799, Type.**Cercospora Gossypii** Speg.*Ramularia areola* Atk., *Pole Evans* (1908 c) 124; *Cardoso* (1946) 158.on *Gossypium* sp., Quelimane, *Cardoso*; Swaziland, *Pole Evans*.

Cercosporella herpotrichioides Fron.

on *Triticum aestivum* Linn., Jongensklip, Gorter (Stell. 1049).

STAUROSPORAE.

Titaea Doidgeae Hansf.

Hansford (1946 a) 208 .

on *Irene Nuxiae* Syd. on *Lachnopylis floribunda*, Entabene, Wager, 26139 a.

HELICOSPORAE.

Helicomycetes cinereus Mass.

on dead wood, Kenilworth, Cape, Pearson ; record at Kew.

DEMATIACEAE.

AMEROSPORAE.

Acremoniella sp.

Hopkins (1931 c) 665.

on *Gossypium* sp., bolls, Southern Rhodesia, Hopkins.

Acrospeira macrosporoidea (Berk.) Wiltsh.

on underground mine timber, Robinson Deep (T.R.L. 522, det. Baarn).

Basisporium gallarum Molliard

on *Zea Mays* Linn., cobs, Prinshof, Gorter, 35552.

Chloridium Meliolae Hansf.

on *Meliola Carissae* Doidge on *Carissa bispinosa*, Kowie, Doidge, 12361 b.

Coniosporium Schiraianum (Syd.) Bubak

on *Arundinella Ecklonii* Nees, Tugela Valley nr. Mont aux Sources, Doidge, 14164.

Fusella zambesiana Torrend

Torrend (1914) 69 ; Sacc. Syll. Fung. XXV : 758.

on bark of an unknown tree, Zumbo, A. Cruz.

Gomphlinaria Pedrosoi (Brumpt) Dodge

Hormodendron Pedrosoi Brumpt, Simson, Harington & Barnettson (1943) 191.

on **Man** : isolated from lesions on foot and thigh of native female, Umtata.

Hormodendron cladosporioides (Fres.) Sacc.

van der Byl (1920 c) 14 ; Stevenson & Rands (1938) 275.

on sugar, Natal coast, v. d. Byl.

Hormodendron resinae Lindau

on coconut matting, underground in mine, New State Areas (T.R.L. 225, det. Baarn).

Lacellina graminicola (Berk. & Br.) Petch.

Hopkins (1939 a) 6.

on *Aristida* sp., Marandellas, *Hopkins*.

Madurella sp.

McMurtrie (1914) 164.

on Man : from mycetoma with black grains, on foot of native woman, Transkei, *McMurtrie*.

Memnoniella echinata (Riv.) Gall.

sub *Stachybotrys subsimplex* Cooke, Bisby (1943) 140.

isolated from *Citrus sinensis* Osbeck, rind section from surface of sterilised fruit, Mazoe, *Bates* 262.

Menispora cylindrica Kalchbr. & Cooke

Kalchbrenner & Cooke (1880) 24 ; Sacc. Syll. Fung. III : 326.

on *Rapanea melanophleas* Mez., leaves, Somerset East, *MacOwan* 1352, Type.

Nigrospora Oryzae (Berk. & Br.) Petch

isolated from *Citrus sinensis* Osbeck, surface washings from fruit, Mazoe, *Bates* 191, 206, 256.

Nigrospora Panici Zimm.

isolated from *Passiflora edulis* Sims, base rot, Mazoe, *Bates* 356.

Nigrospora sphaerica (Petch) Sacc.

Hopkins (1938 a) 123, (1939 a) 30.

as *Epicoccum* sp., Hopkins (1931 c) 667.

on *Oryza sativa* Linn., inflorescence, Wellesley (Rh. 1303).

Citrus sinensis Osbeck, isolated from surface washings from immature fruit, Mazoe, *Bates* 273, 288.

Periconia Doidgeae Hansf.

Hansford (1944) 124, (1946 a) 213.

on *Asterina Syzygii* Doidge on *Syzygium Gerrardi*, Woodbush, *Doidge*, 17755, Type.

Periconia pycnospora Fres.

Hopkins (1938 a) 123.

on *Citrus sinensis* Osbeck, twigs, Umtali (Rh. 1005).

Periconiella velutina (Wint.) Sacc.

Sacc. Syll. Fung. IV : 275 ; Doidge & Bottomley (1931) 68 ; Nel (1942) 97.

Periconia velutina Winter (1884 b) 174.

on *Brabejum stellatifolium* Linn., foot of Table Mt., *MacOwan*, Type (Rabenh. Wint. Fung.

Eur. 3181) 3522, Kew ; Berg River, nr. Wellington, *Doidge* (Syd. Fung. exot. 46)

2060, 5239, Kew ; Wellington, *Doidge*, 1036, *Stoneman*, 2238, 10999 ; Genadendal,

Verwoerd (Stell. 126, v. d. Byl 1288) ; Stellenbosch, *Verwoerd* (v. d. Byl 891).

Pullularia pullulans (de Bary) Berkh.

Hopkins (1938 a) 123.

on *Vitis* sp., Salisbury, *Eyles* 6699.

Stachybotrys atra Corda

isolated from canvas waterbag, Johannesburg (T.R.L. 1477).

Stachybotrys subsimplex Cooke emend. Bisby

Bisby (1943) 138.

isolated from *Citrus sinensis* Osbeck, rind section from surface of sterilised orange, Mazoe, *Bates* 259.

Stachylidium Theobromae Turcz.

Hopkins (1943) 187.

on *Musa paradisiaca* var. *sapientum* Ktze., Pilgrim's Rest, *Cooper*, 33239; Pretoria, *Loidge*, 24950; Graskop, *Gilliam*, 25916; Mazoe, *Bates*.

Thielaviopsis basicola (Berk. & Br.) Ferraris

on *Cichorium Intybus* Linn., Alexandria, *Extension Officer*, 33262, *Erasmus*, 33459.

Thielaviopsis paradoxa (de Seyn.) v. Höhn.

McMartin (1937 a) 126, (1937 b) 267, (1938) 215; Cardoso (1939) 44, (1945) 155.

on *Amanas comosus* Merr., fruit, Bathurst, *Hean*, 33274.

Musa sp., Manhiça, *Guimarães*.

Saccharum officinarum Linn., Natal coast, *McMartin*, 30248.

Torula herbarum Link

Hopkins (1938 a) 123.

on *Citrus* sp., roots, Salisbury (Rh. 2742).

Torula Sacchari Corda

on sterilised oats used for breeding larvae of false codlin moth, Cedara, *Ripley*.

Trichosporium purpureum Mass.

? on dead wood and bark, Krugersdorp Distr., *J. Phillips* 33429.

DIDYMOSPORAE.

Bispora effusa Peck

Lurie (1932) 275.

on wood (mine timbers) Springs Mine, *Lurie*.

Cladosporium Aphidis Thuem.

on *Aphides* on *Sorghum caffrorum*, Maritzburg, *Fuller*, 1226.

Cladosporium asteromatoides Sacc.

on *Cassia laevigata* Willd., pods, Mountain Rise, *Doidge*, 1674; Pretoria, 918.

Cladosporium baccae Verw. & Dipp.

Verwoerd & Dippenaar (1930 a) 327.

on *Vitis vinifera* Linn., ripe berries, Stellenbosch, *Verwoerd* 392.

Cladosporium Berkheyae Syd.

H. & P. Sydow (1914 b) 267.

on *Berkheya latifolia* Wood & Evans, Fairy Glen, *Bottomley*, 23472.*Berkheya speciosa* O. Hoffm., Cramond, *Pole Evans*, 6852.**Cladosporium carpophilum** Thuem.

Pole Evans (1909) 446; Eyles (1926) 644; Verwoerd (1929 b) 6, (1931 a) 301;

Doidge & Bottomley (1931) 9, 41, 47; Hopkins (1938 a) 122.

on *Prunus Armeniaca* Linn., fruit, Bethal, *Howell*, 15651; Donnybrook, *Morgan*, 28523; Joubertina, *Reinecke*, 30472; Paarl, Stellenbosch, Wellington, Bloemfontein, *Verwoerd*; South-western Cape, *Dippenaar*; Bembesi (Rh. 1212, 1213); Umtali (Rh. 2950); Lindley District, *v. d. Merwe*, 34113.*Prunus persica* Sieb. & Zucc., fruit, common in the Transvaal; Bloemfontein, *Verwoerd*; Inyanga, *Eyles*.*Prunus persica* var. *nucipersica*, Lindley Distr., *v. d. Merwe*, 34086.*Prunus salicina* Lindl., ? Pretoria Distr., *Bottomley*.**Cladosporium cucumerinum** Ell. & Arth.

Verwoerd (1929 b) 11.

on *Cucumis Melo* Linn., Villiersdorp, *Dippenaar* (Stell. 525).*Cucumis sativus* Linn., Villiersdorp, *Verwoerd*; Wynberg, *Dippenaar*.**Cladosporium elatum** (Harz.) Nannf.

on underground mine timber, Durban Roodepoort Deep (T.R.L. 300, det. Baarn).

Cladosporium fulvum Cookeon *Lycopersicum esculentum* Mill., Stella Bush, *Wager*, 33197; Cavendish, *Wager*.*Solanum auriculatum* Ait., Town Bush Valley, *Doidge*, 1623; Maritzburg, *Pole Evans*, 1391; Xumeni Forest, *Morgan & Doidge*, 29831.**Cladosporium herbarum** Link

Berkeley (1876 a) 176; Eyles (1924) 594, (1926) 639, 647; Doidge & Bottomley (1931) 42; Doidge & van der Plank (1936) 17; Hopkins (1938 a) 123, (1939 a) 15, 19, 41, 44, 46, 50; Cardoso (1939) 44.

Boletus subflammeus Berk., on pileus, Cape, *Eaton*.*Avena sativa* Linn., leaf, Maritzburg, *Doidge & Bottomley*.*Bouhinia* sp., Essexvale (Rh. 1216, 1316).*Carica Papaya* Linn., Buffelspoort, *Bottomley*, 25943, 25945.*Citrus sinensis* Osbeck, fruit, Pretoria, *Doidge*; Riversdale, S. Rhodesia (Rh. 1034).*Coffea* sp., Moçambique, *Cardoso*.*Crotalaria juncea* Linn., Concession (Rh. 946).*Euphorbia pulcherrima* Willd., Salisbury (Rh. 1600).*Fragaria* sp., fruit, Umtali (Rh. 2431).*Gossypium* sp., twigs, Marandellas, Chilimanzi, *Eyles*.*Passiflora edulis* Sims, Langholm Estates, *Bottomley*, 20353; Vryheid, *Gresty*, 26701; East Griqualand, *McClean*, 30448.*Phytolacca octandra* Linn., Xumeni Forest, *Morgan & Doidge*, 29826.*Rosa* sp., Lomagundi, Mazoe, *Eyles*.*Secale cereale* Linn. Salisbury (Rh. 474).*Sorghum sudanense* Stapf, Salisbury (Rh. 2980).

Triticum aestivum Linn., Barberton, *Pole Evans*, 1001 ; Salisbury, *Hopkins*.

Zea Mays Linn., Barberton, *Pole Evans*, 1001 ; Salisbury, Concession, Chakari, Gatooma, Norton, *Hopkins*.

Cladosporium laxum Kalchbr. & Cooke

Kalchbrenner & Cooke (1880) 24 ; Sacc. Syll. Fung. IV : 358.

on *Printzia pirifolia* Less., dying leaves, Somerset East, *MacOwan* 1394, Type, Kew.

Cladosporium macrocarpum Preuss.

Sacc. Syll. Fung. IV : 352.

on rotting mushrooms, e.g. *Amanita* sp., in South Africa.

Cladosporium Melanophloeï Thuem.

von Thuemen (1877) 412 ; Sacc. Syll. Fung. IV : 358.

on *Rapanea melanophleas* Mez., leaves, near Grahamstown, *MacOwan* 1255, Type.

Cladosporium pisicolum Snyder

on *Pisum sativum* Linn., Stellenbosch, *Dippenaar* ; Verulam, *Wager* ; Muden, *Wager*.

Cladosporium tenuissimum Cooke

on **Zea Mays** Linn., glumes, Grahamstown, *Schonland*, 21981, det. Massee ; Buffelspoor *Doidge & Bottomley*, 32810.

Cladosporium Vignae Rac.

Hopkins (1938 a) 123, (1939 a) 48.

on *Vigna unguiculata* (Linn.) Walp., legumes, Concession (Rh. 811).

Cladosporium Zeae Peck.

Eyles (1926) 642 ; van der Byl (1922 d) 288 ; *Doidge & Bottomley* (1931) 36 ; *Nel* (1942) 97.

on **Zea Mays** Linn., Stellenbosch, v. d. *Byl* 486 ; Salisbury, *Eyles* ; Natal and Transvaal, *Doidge & Bottomley*.

Cladosporium sp.

Eyles (1926) 651.

on *Vitis vinifera*, Salisbury, *Eyles*.

Cladosporium sp.

van der Byl (1921 e) 232.

isolated from air in sugar mills, Natal coast, v. d. *Byl*.

Cordana Musae (Zimm.) v. Höhn.

Cardoso (1939) 44.

on *Musa* sp., Notocote, *Guimarãis*.

Cordana pauciseptata Preuss.

isolated from *Passiflora edulis* Sims, base rot, Mazoe, *Bates*.

Cordana sp.

Bates (1938) 57.

on *Citrus sinensis* Osbeck, fruit, Mazoe, Bates.

Cycloconium oleaginum Cast.

on *Olea europaea* Linn., Elsenburg, Gorter (Stell. 1057).

Fusicladium Crataegi Aderh.

Fusicladium pirinum (Lib.) Fuck., var. *pyracanthae*.

on *Pyracantha coccinea* Roem., Johannesburg, Lounsbury, 1293; Claremont, 1412; Maritzburg, Carter, 27700, 28315.

Fusicladium dendriticum (Wallr.) Fuck.

MacOwan (1889) 181; Pole Evans (1906 a) 132, (1906 b) 827; Lounsbury (1908) 17; Doidge & Bottomley (1931) 8.

Venturia inaequalis (Cooke) Wint., van der Byl (1922) 284; Verwoerd (1929 b) 6; Doidge & Bottomley (1931) 8; Hopkins (1938 a) 102, (1939 a) 39.

on *Pyrus malus* Linn., French Hoek, Lounsbury, 1223, Verwoerd; Uniondale, Krützing, 17827; Stellenbosch, Lounsbury, v. d. Byl, Verwoerd, du Plessis (Stell. 785); Ceres, Louw (Stell. 1058); Elgin, Villiersdorp, Verwoerd; Albany, Bathurst, Fort Beaufort Victoria East, Kingwilliamstown, Komgha Districts, Lounsbury; Trapp's Valley, Gunn, 12845; Somerset East, Gedy, 24905, 24907; Belmont Valley, Doidge, 10952; Joubertina, Reinecke, 30469; Bankop, 1167; Viljoensdorp, Viljoen, 15052; Maritzburg, Spence, 20437; Mooi River, Wager; Haenertsburg, Thompson, 20665; Groot-sponken, Payne, 21230; Haenertsburg, 11510, Wolff, 30786, 30788; Salisbury (Rh. 961 a).

Fusicladium Eriobotryae Cav.

Doidge & Bottomley (1931) 35.

Fusicladium dendriticum (Wallr.) Fuck. var. *Eriobotryae*.

on *Eriobotrya japonica* Lindl., fruit, Wynberg, Cloete, 18062.

Fusicladium fuliginosum Kalchbr. & Cooke

Kalchbrenner & Cooke (1880) 24; Medley Wood (1898) 12; Sacc. Syll. Fung. X: 599.

on *Greyia Sutherlandi* Hk. & Harv., Natal, Medley Wood 9, Type, 10416, Kew.

Fusicladium pirinum (Lib.) Fuck.

Pole Evans (1906 a) 139, (1906 b) 827; Lounsbury (1908) 17; Nel (1942) 97.

Venturia pirina Aderh., van der Byl (1922 d) 284; Verwoerd (1929 b) 21; Hopkins (1930) 647; Doidge & Bottomley (1931) 49.

as *Fusicladium dendriticum* (Wallr.) Fuck., MacOwan (1889) 181.

on *Pyrus communis* Linn., Grahamstown, Schonland, 21982; Belmont Valley, Doidge, 10947; Kingwilliamstown, Dreyer, 1185; Constantia, 40; Seymour, Dewar, 10029; Stellenbosch, Lounsbury, v. d. Byl, Verwoerd; Uniondale, Avontuur, Swellendam, Cape Town, George, Oudtshoorn, Graaff Reinet, Uitenhage, Queenstown, Kingwilliamstown, Lounsbury; French Hoek, Ceres, Groot Drakenstein, Verwoerd; Elsenberg, v. d. Byl 2; Haarlem, Theron, (Stell. 915); Rhodesia, Hopkins.

Passalora Protearum Kalchbr. & Cooke

Cooke (1890 b) 6 ; Sacc. Syll. Fung. X : 597.
on *Leucadendron argenteum* R. Br., Cape, *MacOwan*.

PHRAGMOSPORAE.

Brachysporium Faureae P. Henn.

P. Hennings (1903) 169 ; Sacc. Syll. Fung. XVIII : 592.
on *Faurea speciosa* Welw., Kutsi, *Baum* 889, Type, Kew.

Brachysporium pulviniforme Syd.

H. & P. Sydow (1914 b) 267 ; Sacc. Syll. Fung. XXV : 834.
on *Rhus tomentosa* Linn., St. James, *Pole Evans*, 5575.

Clasterosporium carpophilum (Lév.) Aderh.

Hopkins (1939 a) 35.
as *Cladosporium carpophilum* Thuem., Pole Evans (1913 b) 172 ; Doidge & Bottomley (1931) 5, 9, pro parte.
Coryneum Beijerinckii Oud., Verwoerd & du Plessis (1932) 313.
on *Prunus armeniaca* Linn., Somerset East, *Scott, Stegman & Mills*, 33927.
Prunus communis Fritsch, twigs and leaves, Henley-on-Klip, *Hendey*, 24335 ; Grahams-town, *Kelly*, 10034 ; Elsenberg, *Dippenaar* (Stell. 840).
Prunus persica Sieb. & Zucc., twigs and leaves, Pretoria, *Leech*, 25444 ; Potgietersrust, *Davis*, 21577 ; Johannesburg, *Derksen*, 17031 ; Rosebank, *Doidge*, 1216 ; Orchard Siding, *Dacey*, 2545, 18080 ; The Willows, v. d. Waal & Reesse, 25337 ; Paarl, *du Plessis* (Stell. 598).

Clasterosporium Celastri (Thuem.) Sacc.

Saccardo Syll. Fung. IV : 390.
Sporidesmium Celastri Thuem., von Thuemen (1878 a) 357.
on *Gymnosporia buxifolia* Szysz., spines of dying branches, Boschberg, *MacOwan* 1282, Type.

Clasterosporium clavatum (Lév.) Sacc.

Doidge & Bottomley (1931) 19.
on *Dactylis glomerata* Linn., Skinner's Court, *Sampson*, 115.

Clasterosporium densum Syd.

H. & P. Sydow (1912 c) 444 ; Sacc. Syll. Fung. XXV : 808.
on *Faurea speciosa* Welw., Lemana, *Doidge*, 1788, Type.

Curvularia intermedia Boedijn

isolated from *Citrus sinensis* Osbeck, surface washings from fruit, Mazoe, *Bates* 284.

Curvularia lunata (Wakker) Boedijn

Doidge & van der Plank (1936) 18.
isolated from

Citrus sinensis Osbeck, rotting fruit, Pretoria, *Doidge* ; surface washings from fruit, Mazoe, *Bates* 283.
? from *Triticum aestivum* Linn., Bethlehem, *Sellschop*, 30495.

Curvularia maculans (Bancroft) Boedijn

isolated from **Citrus sinensis** Osbeck, surface washings from fruit, Mazoe, Bates 278.

Curvularia spicifera (Bain.) Boedijn

isolated from—

Cynodon transvaalensis Burt Davy, Johannesburg, Roderick, 30246.

Triticum aestivum Linn., Bethlehem, Sellschop, 30494.

Man: isolated from several cases of eczema, probably a contaminant, Johannesburg, H. I. Lurie.

Curvularia sp.

isolated from **Triticum aestivum** Linn., Bethlehem, Sellschop, 30494.

Dendryphium MacOwanianum Thuem.

Von Thuemen (1877) 412; Kalchbrenner (1882 b) 27; Sacc. Syll. Fung. IV: 490.
on **Cuscuta cassytoides** Nees, Boschberg, MacOwan 1285, Type (S.A.M. 35203) Kew.

Helminthosporium accedens Syd.

H. & P. Sydow (1904 b) 173; Sacc. Syll. Fung. XVIII: 589.
on **Dolichos Baumii** Harms., Moulonge, Baum, Type.

Helminthosporium bicolor Mitra

on **Sorghum halepense** Pers., Prinshof, Codd, 30432.

Triticum aestivum Linn., Clarens, Sellschop, 30458; Bethlehem, Sellschop, 30496.

Helminthosporium Brizae Nisikado

on **Briza maxima** Linn., Port Elizabeth, K. M. Putterill, 28530.

Helminthosporium capense Thuem.

von Thuemen (1876 b) 570; Hansford (1943) 47, (1946 a) 214.

Cercospora capensis (Thuem.) Sacc. Syll. Fung. IV: 469.

on **Irene calostroma** (Desm.) v. Höhn., on **Cliffortia strobilifera**, van Staden's Pass, Pole Evans, 11442 a.

Irene inermis (Kalchbr. & Cooke) Theiss. & Syd., on **Buddleia auriculata**, Marwaqa Forest, Doidge, 30901 a.

Irene natalensis Doidge on **Scolopia Mundtii**, Louis Trichardt, V. A. Putterill, 11827 a.

Irene Peddieae Doidge on **Peddiea africana**, Woodbush, K. M. Putterill, 32465 b.

Irene Peglerae Doidge on **Halleria lucida**, Deepwalls, Doidge, 17200 b, 17201 a.

Irene speciosa Doidge on **Gymnosporia** sp., Woodbush, Doidge, 1740 a.

Meliola Carissae Doidge on **Carissa bispinosa**, Langholm Estates, Doidge, 12341 a, Kowie, Doidge, 12361 a.

Meliola ganglifer Kalchbr. on **Curtisia faginea**, Woodville Forest, Doidge, 10933 b; Storms River, Doidge, 17180 b.

Meliola littoralis Syd., on **Canthium** sp., Deepwalls, Doidge, 17196 b; on **Gardenia globosa**, Umgeni, Medley Wood, 9038 a; on **Psychotria capensis**, Umkomaas, Bottomley, 11891 b.

Meliola Loxostylidis Doidge on **Lorostylis alata**, Mayville, Medley Wood, 9026 b; van Staden's Pass, Doidge, 10921 a.

Meliola oleicola Doidge on **Olea laurifolia**, Tabankulu, D.F.O., 9103 c; Buccleuch, Doidge, 11557 b.

Meliola Osyridis Doidge on *Osyris abyssinica*, Grahamstown, **MacOwan 1256** ; on *Rhoicarpus capensis*, Langholm Estates, **Doidge, 12349 b** ; van Staden's Pass, **Doidge, 17253 b**.

Meliola petiolaris Doidge on *Olea laurifolia*, Buccleuch, **Doidge, 11558 b**.

Meliola rhoina Doidge on *Harpephyllum castrum*, Kentani, **Pegler, 8851 b** ; Howieson's Poort, **Doidge, 22353 a**.

Meliola Toddaliae Doidge on *Teclea natalensis*. Pirie Forest, **Doidge, 12287 a** ; Alexandria, **Doidge, 22353 a**.

Meliola Woodiana Sacc. on *Canthium ventosum*, van Staden's Pass, **Doidge, 10880 b** ; Deepwalls, **Doidge, 17219 c** ; Durban, **Bottomley, 11385 b**.

Meliola sp. on *Cunonia capensis* Linn., nr. Grahamstown, **MacOwan 1262**. Type (S.A.M. 35202) 20771 b, Type collection.

Helminthosporium Cynodontis Marign.

Smith & Putterill (1932) 294.

? sub *Helminthosporium sativum* Pam. King & Bakke, Hopkins (1938 a) 123, (1939 b) 16.

on **Cynodon Bradleyi** Stent, Redan, **Wilson, 29976** ; Pretoria, **Bottomley, 30242**.

Cynodon Dactylon Linn., Pilgrim's Rest, **Gardner, 27359** ; Grahamstown and Pretoria, **N. J. G. Smith & K. M. Putterill**.

Cynodon transvaalensis Burt Davy, Bulawayo (Rh. 2260).

Helminthosporium dematoideum Bubak & Wrobl.

on **Cynodon Bradleyi** Stent, Pretoria, v. d. Merwe, 28779, **K. M. Putterill, 30241**.

Cynodon Dactylon Linn., Pilgrim's Rest, **Gardner, 27359** ; Pretoria, **Naude, 27358**.

Cynodon transvaalensis Burt Davy, Johannesburg, **Roderick, 30250** ; Pretoria, **K. M. Putterill, 30243**.

Triticum aestivum Linn., Ferreira, **Sellschop, 30498**.

Helminthosporium Dolichi Syd.

H. & P. Sydow (1904 b) 173 ; Sacc. Syll. Fung. XVIII : 588.

on **Dolichos euryphyllus** Harms, between Kulei and Kutsi, **Baum**.

Helminthosporium dorycarpum Mont. (group)

Hansford (1946 a) 214.

on **Irene atra** Doidge on *Eugenia zuluensis*, Xumeni Forest, **Doidge, 32234 b**.

Irene natalensis Doidge on *Scolopia Mundtii*, Haenertsburg, **Doidge, 17772 c**.

Irene Peddieae Doidge on *Peddiea africana*, Woodbush, **K. M. Putterill, 32465 c**.

Irene Podocarpus Doidge on *Podocarpus Henkelii*, Xumeni Forest, **Doidge, 32216 a**.

Irene Rinorea Doidge on *Rinorea natalensis*, Karkloof, **Doidge, 14969 a**.

Irene scabra Doidge on *Trichocladus ellipticus*, Pirie Forest, **Doidge, 12298 c**.

Meliola bifida Cooke on *Osyridicarpus natalensis*, Winter's Kloof, **Doidge, 9020 a**.

Meliola comata Doidge on *Pyrenacantha scadens*, Woodville Forest, **Doidge, 11020 b** ; Storm's River, **Doidge, 17192 a**.

Meliola Excoecariae Doidge on *Sapium Simii*, Buccleuch, **Doidge, 11566 a**.

Meliola furceillata Doidge on *Allophylus monophyllus*, Buccleuch, **Doidge, 11577 a**.

Meliola oleicola Doidge on *Olea foveolata*, Kowie, **Doidge, 12364 c** ; Knysna, **Bottomley, 32269 a**.

Meliola torta Doidge on *Trichocladus ellipticus*, Deepwalls, **Doidge, 17195 a**.

Helminthosporium gramineum Rabenh.

Pole Evans (1906 a) 133 ; Smith & Rattray (1930) 344 ; Smith & Putterill (1933) 204.

on **Hordeum vulgare** Linn., Branddraai, Lydenburg, *Sellschop*, 30861, 30862 ; Aylesbury, N. J. G. Smith, 25889 ; Grahamstown, N. J. G. Smith, 25888 ; Albany, Knysna and Bathurst districts, *Smith & Rattray* ; Stellenbosch, *Dippenaar* (Stell. 855, 856).

Helminthosporium halodes Drechsl.

on **Triticum aestivum** Linn., Brits, K. M. Putterill, 30434.

Helminthosporium Leersii Atk.

on **Urochloa helopus** Stapf, Barberton, *Wager*, 26148 ; Nelspruit distr., *Liebenberg*, 26182.

Helminthosporium leucostylum Drechsl.

Smith & Putterill (1933) 198.

on **Eleusine indica** (L.) Gaertn., Acton Homes, L. A. Doidge, 25908 ; White River, *Cazalet*, 23689 ; Vereeniging, L. C. Turner, 10036.

Helminthosporium Miyakei Nisikado

on **Eragrostis curvula** Nees, Maritzburg, T. R. Sim, 7761.

Helminthosporium Oryzae Breda de Haan

Cardoso (1945) 150.

on **Oryza sativa** Linn., Moçambique *Cardoso* ; Chonguene, *Ribeiro Mendes* ; Bilene, *Oliveira*.

Helminthosporium Palmetto Gerard

on **Meliola palmicola** Wint., on *Phoenix reclinata*, Port Shepstone, *Pole Evans*, 5607 a.

Helminthosporium Ravenelii Berk. & Curt.

van der Byl (1926 c) 289 ; Hopkins (1938 a) 123, (1939 a) 45.

Helminthosporium crustaceum, P. Henn. Nel (1942) 97.

on **Sporobolus capensis** (Willd.) Kunth., on inflorescence, Harden Heights, *Pole Evans*, 1453 ; Cedara, *Baker*, 6692 ; Mooi River, *Campbell*, 20371 ; Tweedie, *Pole Evans*, 9764, *Mogg*, 10065, 11643 ; Mid-Illovo, v. d. Byl 74, 9769, *Power*, 31783 ; Eshowe, *Parkins*, 2201 ; Lemana, *Doidge*, 1826 ; Woodbush, v. d. Byl ; Nelspruit, *Pienaar*, 10097 ; Kentani, *Pegler* 1916, 6921, Kew ; Durban, v. d. Byl 236 ; Stella Bush, v. d. Byl, 32003.

Sporobolus fimbriatus Nees, Kentani, *Pegler*, 6667.

Sporobolus pyramidalis Beauv., Xumeni Forest, *Morgan & Doidge*, 29835 ; Salisbury, *Eyles* 2087, 13995 ; Bulawayo (Rh. 1520) ; Concession (Rh. 1625) ; Shamva (Rh. 2681).

Helminthosporium rostratum Drechsl.

on **Triticum aestivum** Linn., Bethlehem, *Sellschop*, 30456 ; Ferreira, *Sellschop*, 30460.

Helminthosporium Sacchari (v. Breda) Butler

van der Byl (1921 h) 123 ; Stevenson & Rands (1938) 273 ; McMartin (1940) 653.

on **Saccharum officinarum** Linn., coast of Natal and Zululand, v. d. Byl : Mt. Edgecombe, *McMartin*, 30245, 30988.

Helminthosporium sativum Pajnnel King & Bakke

- Smith & Rattray (1930) 344; Doidge & Bottomley (1931) 11, 67; Verwoerd (1931 a) 301; Hopkins (1938 a) 123, (1939 a) 7, 16, 46 (1943) 185.
 on **Hordeum vulgare** Linn., Stone's Hill, *N. J. G. Smith*, 25890; Lydenburg, *Sellschop*, 30860; Louis Trichardt, *Sellschop*, 30857, 30858, 30859; Bloemfontein, *Verwoerd*; Grahamstown, Stellenbosch, Bathurst, Komgha, *Smith & Rattray*; Umtali, *Hopkins*.
Triticum aestivum Linn., Bethlehem, *Sellschop*, 30493, 30497; Lydenburg, *Pons*, 30421, 30990, 30991; Chakari (Rh. 1194).
 ? on **Bambusa** sp., Salisbury (Rh. 1709).

Helminthosporium sigmoideum Cav.

- on **Oryza sativa** Linn., Moçambique, *Cardoso*.

Helminthosporium stenospilum Drechsl.

- McMartin (1940) 653.
 on **Saccharum officinarum** Linn., Mt. Edgecombe, *McMartin*.

Helminthosporium teres Sacc.

- Smith & Rattray (1930) 343; Smith & Putterill (1932) 290; Cardoso (1939) 45.
 on **Hordeum vulgare** Linn., Cedara, Stellenbosch, Port Elizabeth, Mossel Bay, between Heidelberg, Cape, and Caledon, *Smith & Rattray*; Grahamstown, *N. J. G. Smith*, 25885, Kew; Pretoria, 693; Elim, Cape, *Fletcher*, 8411; Belmont Valley, *N. J. G. Smith*, 25884; Swellendam, *N. J. G. Smith*, 25886, 25887; Louis Trichardt, *Sellschop*, 30377, 30855, 30856; Moçambique, *Cardoso*; Umbeluzi, *Frias*.

Helminthosporium turcicum Pass.

- Burt Davy (1905) 286; Pole Evans (1906 a) 135; Doidge & Bottomley (1931) 36; Verwoerd (1931 a) 301; Hopkins (1938 a) 123, (1939 a) 30, 50, 80; Nel (1942) 97.
 on **Sorghum caffrorum** Beauv., Bloemfontein, *Verwoerd*; Dalton, *Angus* (v. d. Byl 235) 31789.
Sorghum halepense Pers., Prinshof, *K. M. Putterill*, 30431, 30432, 30710, *Liebenberg*, 28600; Ashburton, *Pope Ellis*, 10099.
Sorghum sudanense Stapf, Cedara, *Staples*, 15462; Maritzburg, *Erleben*, 15448; Prinshof, *K. M. Putterill*, 30709; Durban, v. d. Byl 235; Southern Rhodesia, *Mundy*, Kew.
Sorghum verticilliflorum Stapf, Dalton, *Angus*, 9729; Prinshof, *K. M. Putterill*, 30708.
Zea Mays Linn., Southern Rhodesia, *Mundy*, 890; Gwelo, Salisbury, Simoona, Banket, Concession, Shamva, Lonely Mine, Norton, *Hopkins*; Cedara, *Fisher*, 2187; Naboomspruit, *McKay*, 20386; Hunter's Road, *Hopkins* (Rh. 189).
 ? on **Panicum novemnerve** Stapf, Salisbury (Rh. 796).

Helminthosporium sp.

- Chupp & Doidge (1948) 890.
Cercospora phaeocarpa Mitter, *Hopkins* (1943) 180.
 on **Bauhinia Thonningii** Schum., Concession, *Hopkins* (Rh. 1621).

Helminthosporium sp.

- on **Gymnosporia senegalensis** Loes., Mazoe, *Hopkins* (Rh. 4087).

Helminthosporium sp.

Verwoerd (1929 b) 7.

on **Bambusa Balcooa** Roxb., Stellenbosch, *Verwoerd*.**Helminthosporium** sp.on **Man** : isolated as a contaminant from cases of athlete's foot, Johannesburg, *H. I. Lurie* & *N. J. G. Smith*.**Heterosporium Avenae** Oud.on **Avena sativa** Linn., Swellendam (Stell. 1082).**Heterosporium echinulatum** (Berk.) Cooke

Pole Evans (1908 e) 123 ; Verwoerd (1929 b) 9, (1931 a) 301 ; Doidge & Bottomley (1931) 16.

on **Dianthus caryophyllus** Linn., Natal, *Fuller*, 1046 ; Gillitts, *Cook*, 25505 ; Durban, *McClean*, 30505 ; Uitenhage, *Schmutz*, 25474, 25479 ; Bloemfontein, *Verwoerd* ; Stellenbosch, Somerset West, *Verwoerd*.**Heterosporium gracile** (Wallr.) Sacc.

Verwoerd (1929 b) 14, (1931 a) 301 ; Doidge & Bottomley (1931) 31 ; Nel (1942) 97.

on **Iris germanica** Linn., Pretoria, *Doidge*, 20401, 25158, *Bottomley*, 33978 ; Durban, *McClean*, 25911 ; Brandfort, *Verwoerd* (Stell. 222, v. d. Byl 2184) ; Stellenbosch, *Verwoerd*.**Heterosporium groenlandicum** Allesch.on **Papaver nudicaule** Linn., Pretoria, *Doidge*, 26336.**Heterosporium Munduleae** Syd.

H. & P. Sydow (1912 a) 45 ; van der Byl (1926 c) 289.

on **Mundulea sericea** (Willd.) Greenway, Zoutpansberg, *Doidge*, 1812.**Heterosporium Ornithogali** Klotzsch

U.S. Dept. Agric. (1932) 354, (1942) 44.

on **Ornithogalum thyrsoides** Jacq. on plants from South Africa, intercepted in the United States of America ; not recorded locally.**Heterosporium Secalis** Dippenaar

Dippenaar (1931 c) 286 ; Nel (1942) 97.

on **Secale cereale** Linn., Stellenbosch, *Dippenaar* (Stell. 982, v. d. Byl 2610) ; Stellenbosch, *Verwoerd* (Stell. 419).**Spondylocadium atrovirens** Harz.

U.S. Dept. Agric. (1928) 229.

on **Solanum tuberosum** Linn., on tubers from South Africa intercepted in the United States of America.

Stigmina verruculosa Syd.

H. & P. Sydow (1912 c) 444 ; Doidge & Bottomley (1931) 66.

on **Acacia mollissima** Willd., leaves, Harden Heights, *Pole Evans*, 1382, 5647, Type ; Seven-oaks, *Osborn*, 23199.

DICTYOSPORAE.

Alternaria Allii Nolla

Cardoso (1945) 156.

on **Allium Cepa** Linn., leaves, Umbeluzi, *Grilo* ; Mocuba, *Grilo*.**Alternaria Brassicae** (Berk.) Bolle

Doidge & Bottomley (1931) 14, 17 ; Hopkins (1943) 180.

on **Brassica oleracea** Linn., general in Southern Rhodesia, *Hopkins*.**Brassica oleracea** var. **Botrytis** Linn., Perseverance, 28480 ; Godwan River, Warner Beach, *Doidge & Bottomley* ; Salisbury, Glendale, Msoneddi, Shamva, *Hopkins*.**Brassica oleracea** var. **gemmifera** DC., Inyanga, *Hopkins*.Var. **Phaseoli** Brum.

Hopkins (1938 a) 121.

on **Canavalia ensiformis** DC., Salisbury (Rh. 1707).**Alternaria circinans** (Berk. & Curt.) Bolle

Hopkins (1938 a) 121, (1939 a) 8, 17.

on **Brassica oleracea** Linn., Darwindale (Rh. 312) ; Salisbury (Rh. 768, 819) ; Essexvale (Rh. 1315).**Alternaria Citri** Ellis & Pierce

Doidge (1929 a), (1929 b) 320 ; Doidge & Bottomley (1931) 34, 44 ; Doidge & van der Plank (1936) 15 ; Bates (1937 a) 157, (1937 b) 176, 192, 206 ; Cardoso (1937) 155, (1938) 74 ; Hopkins (1938 a) 121, (1939 a) 11, 12, 13 (1943) 182, (1945) 151 ; Wager (1939 a).

on **Citrus aurantifolia** Sw., Mazoe, Bates ; Verulam, *Wager*, 32509.**Citrus Limonia** Osbeck, Buffelspoort, *Turner*, 20349 ; Verulam, *Wager*, 32508 ; Marikana, *Doidge* ; Stellenbosch, *Verwoerd* (Stell. 148) ; Salisbury (Rh. 1601, 2381) Kew ; Macheke (Rh. 2285) ; Bulawayo (Rh. 3350) ; Mazoe, Bates ; Sul do Save, *Cardoso*.**Citrus nobilis** var. **deliciosa** Sw., Mazoe, *Bates* (Rh. 214).**Citrus sinensis** Osbeck, Steenbokfontein, *Poultney*, 25446 ; common on fruit in the Union of South Africa, *Doidge*) Moorreesburg, *Visser* (Stell. 84) ; Sul do Save, *Cardoso* ; Mazoe, *Bates* ; Xinavane, *Guimarães*.**Citrus** sp., Moçambique, *Cardoso*.**Alternaria crassa** Rands

Hopkins (1938 a) 121, (1939 a) 17, (1943) 184 ; Nel (1942) 96.

on **Datura Metel** Linn., Pretoria, *Pole Evans*, 11509.**Datura Stramonium** Linn., Parys, *Mansveldt*, 18104 ; Nelspruit, *Liebenberg*, 26067 ; Sinoia (Rh. 533) ; Salisbury (Rh. 1493, 1761) ; Mtepetepa (Rh. 1850) ; Shamva (Rh. 2841) ; Southern Rhodesia, *Hopkins* (v. d. Byl 2540).**Datura Tatula** Linn., Southern Rhodesia, *Hopkins*.**Alternaria cucumerina** (Ell. & Everh.) Elliott*Macrosporium cucumerinum* Ell. & Everh., Doidge & Bottomley (1931) 39.on **Citrullus vulgaris** Schrad., Fort Beaufort, *Wager* ; Stellenbosch & Hermanus, *Dippenaar*.
Cucumis Melo Linn., Kraaifontein, Cape.**Cucurbita Pepo** Linn., Umhlanga Rocks, *Wager*.

Alternaria Dianthi Stev. & Hall.

Doidge & Bottomley (1931) 17.

on **Dianthus caryophyllus** Linn., Maritzburg, Schultz, 29715; Durban, Wager, 33273; Grahamstown, N. J. G. Smith, 26361; Duivelskloof, Graham, 25354; Tzaneen, Muller, 33757; Port Elizabeth, Venter, 34156.

Alternaria gossypina (Thuem.) Hopkins

Hopkins (1931 a) 136, (1938 a) 121, (1939 a) 21.

? as *Alternaria* sp., Cardoso (1938) 75; Doidge & Bottomley (1931) 20.

on **Gossypium** sp., general in Southern Rhodesia, Hopkins; ? Sul do Save, Cardoso.

Alternaria herculea (Ell. & Mart.) Elliott

U.S. Dept. Agric. (1937) 80.

on **Brassica oleracea** Linn., intercepted in United States on material from South Africa.

Brassica rapa Linn., Cape Flats, Dippenaar.

Alternaria longipes (Ell. & Everh.) Tisd. & Wadk.

Mason (1928 a) 19; Doidge & Bottomley (1931) 62; Hopkins (1931 b) 58, 82, (1938 a) 121, (1939 a) 27.

Macrosporium longipes Ell. & Everh. Verwoerd (1929 b) 27; Moore (1926) 452.

on **Nicotiana Tabacum** Linn., Zwartkopjes, Zwaard, 18102; Barberton, Gass, 17056; Piet Retief, 16996; Kwambonambi, Curphy, 15670; Oudtshoorn, Verwoerd; general in Southern Rhodesia, Hopkins.

Alternaria macrospora Zimm.

Hopkins (1938 a) 121, (1939 a) 6, 9, 20, 22, 51, (1943) 181.

? as *Macrosporium* sp., Verwoerd (1931 a) 301; Cardoso (1938) 76.

on **Aster** sp., Salisbury (Rh. 1797).

on **Callistephus chinensis** Nees, Salisbury, Hopkins.

on **Carthamus tinctorius** Linn., Salisbury, Hopkins.

Gerbera Jamesoni Bolus, Darwendale (Rh. 1395); Salisbury (Rh. 1499, 1788).

Gossypium sp., Salisbury (Rh. 1790, 2041); ? Sul do Save, Cardoso.

Zinnia sp., Salisbury (Rh. 1909, 3161, 3400); ? Bloemfontein, Verwoerd.

Alternaria oleracea Milbrath

on **Brassica oleracea** Linn., Verulam, James (comm. Wager).

Alternaria Solani (Ell. & Mart.) Jones & Grout

Doidge (1915 b) 53; van der Byl (1922 d) 288, (1926 c) 289; Doidge & Bottomley (1931) 52, 63; Verwoerd (1931 a) 301; Hopkins (1930) 651, (1938 a) 121, (1939 a) 25, 42, 43; Cardoso (1937) 154, (1938) 75, (1939) 45, (1945) 158.

Macrosporium Solani Ell. & Mart., Verwoerd (1929 b) 23, 27; Nel (1942) 97.

on **Lycopersicum esculentum** Mill., Gillitts, Wager, 33200; widespread and common in the Union of South Africa, Doidge & Bottomley; Stellenbosch, v. d. Byl 639, Verwoerd; Cape Town, Wynberg, Claremont, Kenilworth, Paarl, Wellington, Verwoerd; Bloemfontein, Verwoerd; Clanwilliam, Dippenaar, (Stell. 1012); Tzaneen, van Velden, 33551; Southern Rhodesia, Hopkins.

Solanum melongena Linn. var. **esculentum** Nees, Hartebeestpoort, Plowes, 32783; Salisbury, Hopkins.

Solanum tuberosum Linn., Cedara, 23485; Camperdown, Garin, 31987; Groenkloof, Doidge, 9696; Umhlanga Rocks, Wager; Sarnia, Wilks; Ravenshill, Eland, 6596; Settlers, 1273; Belfast, Lewis, 63; Alkmaar, Hamilton Fowle, 549; Pretoria, Hean,

30646 ; Grahamstown, *Mally*, 21986, *Dewar*, 201 ; Fort Beaufort, *Mildenhall*, 10118 ; Stellenbosch, Paarl, Wellington, Ceres, Kuilsrivier, *Verwoerd* ; Bloemfontein, *Verwoerd* ; Salisbury, Gwebi, Eldorado, Umtali, Hunyani, *Hopkins* ; Xalasi, *Howard*, 742 ; Sul do Save, *Cardoso* ; Manhiça, Cherinda, *Pinheiro & Cardoso* : Moamba, *Cabral* ; Umbeluzi, *Oliveira*.

Alternaria Solani (group).

Hopkins (1930) 416, (1938 a) 122, (1939 a) 26, 27.
 on *Nicandra physaloides* Gaertn., Mtepetepa (Rh. 1848) ; Salisbury (Rh. 1895).
Nicotiana Tabacum Linn., Concession, Salisbury, Marandellas, Bromley, *Hopkins*.
Physalis peruviana Linn., Rhodesia, *Hopkins*.

Alternaria tabacina (Ell. & Everh.) Hori

Eyles (1926) 650 ; Doidge & Bottomley (1931) 63 ; Hopkins (1931 b) 57, 83.
Macrosporium tabacinum Ell. & Everh., Eyles l.c. ; Verwoerd (1929 b) 27 ; Nel (1942) 97.
 on *Nicotiana rustica* Linn., Natal, 31996.
Nicotiana Tabacum Linn., Barberton, *Wilson*, 6578 ; Rustenburg, 18134 ; Neethling's Hof, *Louw*, 9698 ; Oudtshoorn, *Verwoerd* (v. d. Byl 1241) ; George, Stellenbosch, *Verwoerd* ; Marandellas, Lydiate, Salisbury, *Eyles*.

Alternaria tenuis Nees

Mason (1928) 20 ; Doidge (1929 a), (1929 b) 322 ; Doidge & Bottomley (1931) 77, 85, (1938 a) 122, (1939 a) 4, 6, 28.
 on *Allium Cepa* Linn., leaf, Chipinga (Rh. 2696) ; Salisbury, *Hopkins*.
Avena sativa Linn., leaf, Lowdale, (Rh. 259).
Citrus Limonia Osbeck, Marikana, *Doidge*.
Citrus nobilis Lour. var. *deliciosa* Sw., fruit from southern Rhodesia, purchased in England, *Wiltshire*.
Citrus sinensis Osbeck, fruit, Southern Rhodesia.
Coffea sp., Concession (Rh. 906).
Datura Stramonium Linn., capsule, Salisbury (Rh. 1658).
 ?on *Gymnosporia buxifolia* Szysz., Kentani, *Pegler* 2344, Kew.
 on *Nicotiana Tabacum* Linn., general in Southern Rhodesia, *Hopkins*.
Triticum aestivum Linn., glumes, Stellenbosch, *Gorter*, 33352.

Alternaria Violae Gall. & Dors.

Doidge & Bottomley (1931) 65 ; Hopkins (1938 a) 122, (1939 a) 16, 48.
 on *Viola odorata* Linn., Pretoria, *Pole Evans*, 58, 961 ; Irene, *Pole Evans*, 93 ; Keptani, *Pegler* 1906, 6572, Kew ; Umtali (Rh. 1935) : Salisbury (Rh. 1945).
 ?on *Dahlia pinnata* Cav., Salisbury (Rh. 1599).

Alternaria sp.

Hopkins (1930) 528.
 on *Avena sativa* Linn., Southern Rhodesia, *Hopkins*.

Alternaria spp.

Doidge & van der Plank (1936) 15.
 isolated from *Citrus sinensis* Osbeck, decaying fruit, Pretoria, *Doidge*.

Alternaria sp.

Hopkins & Bacon (1938) 458.

on *Pyrus malus* Linn., fruit, Southern Rhodesia.**Coniothecium chomatosporum** Corda

Pole Evans (1907 e) 680 ; van der Byl (1915 b) 649 ; Verwoerd (1929 b) 5, (1931 a) 301 ; Doidge & Bottomley (1931) 6, 49 ; Hopkins (1938 a) 123, (1939 a) 38 ; Hopkins & Bacon (1938) 456 ; Cardoso (1937) 155, (1939) 44.

on *Pyrus communis* Linn., Westminster, *Bottomley*, 20618 ; Inyanga (Rh. 3750).

Pyrus malus Linn., Johannesburg, *Rocher*, 21935, *Brinton*, 17300, *Schoeman*, 19868 ; Boons, v. d. *Bergh*, 19841 ; Florida, *Joubert*, 25934 ; Magaliesberg, *Mason*, 25457, *Orpen*, 19850 ; Henley-on-Klip, *Woodhouse*, 23680, *Life*, 25456, *Hendey*, 26640 ; Amersfoort, *Phillips*, 15537 ; De Deur, *Woodhouse*, 27659 ; Bethlehem, 33371 ; Lauterwater, *Bottomley*, 33267, *Haines*, 33759 ; Carlton, *Harris*, 18075 ; Misgund, *Reinecke*, 33464 ; Stellenbosch, George, *Verwoerd* ; Salisbury (Rh. 1114, 1459) ; Cashel (Rh. 2437, 3437) ; Melssetter (Rh. 3439, 3449) ; Sul do Save, *Cardoso* ; Lourenço Marques, *Cardoso*.

Coniothecium Citri McAlp.

Hopkins (1930) 417, (1938 a) 123.

on *Citrus Limonia* Osbeck, Rhodesia, *Hopkins*.*Citrus sinensis* Osbeck, Eldorado (Rh. 662).**Coniothecium MacOwanii** Sacc.

Sacc. Syll. Fung. IV : 512 ; van der Byl (1922) 288 ; Hopkins (1938 a) 123 ; Nel (1942) 97.

Coniothecium punctiforme Winter (1885 b) 33, not Corda.on *Protea angolensis* Welw., Salisbury, *Eyles* 6692.

Protea grandiflora Thunb., at foot of Table Mt., MacOwan, Type ; Kalk Bay, *Mitchell*, 17075 ; Klapmuts, v. d. *Byl* 113, 529, 6847, 31798 ; Glencairn, *Glover* ; 9768.

Protea sp., Ceres, *Reinecke* (v. d. Byl 923) Kew.*Leucospermum conocarpum* R. Br., Stellenbosch, *Verwoerd* (Stell. 28).**Coniothecium scabrum** McAlp.

V. A. Putterill (1923 b) 405 ; Eyles (1926) 636 ; Doidge & van der Plank (1936) 17 ; Hopkins (1937 a) 123, (1939 a) 13.

on *Citrus aurantium* Linn., fruit, Stellenbosch, V. A. *Putterill*.isolated from *Citrus sinensis* Osbeck, Pretoria, *Doidge*, 28273 ; Mazoe, *Eyles*.**Coniothecium** sp.

Eyles (1926) 641.

on *Gunnera* sp., leaf, Odzani, *Eyles*.**Fumago vagans** Pers.

Hopkins (1938 a) 123, (1939 a) 8, 22, 39.

on *Gossypium* sp., Salisbury (Rh. 2040).*Prunus salicina* Lindl., Rusapi, *Eyles* 6682.*Pyrus malus* Linn., Salisbury, *Hopkins*.*Widdringtonia* sp., Marandellas (Rh. 3505).

Macrosporium Camelliae Cooke & Mass.

Dippenaar (1931 c) 288.

on *Camellia japonica* Linn., Stellenbosch, *Dippenaar* (Stell. 400).**Macrosporium carotae** Ell. & Langl.as *Alternaria Brassicae* (Berk) Sacc., Doidge & Bottomley (1931) 17.? as *Alternaria circinans* (Berk. & Curt.) Bolle, Hopkins (1938 a) 121.? as *Alternaria macrospora* (group) Hopkins (1941) 1, (1943) 184.on *Daucus carota* Linn., var. *sativa* DC., Cedara, *Fisher*, 1168, *Staples*, 15435; Kilgobbin, *Fannin* (v. d. Byl 582) 31831; Merensky, *Dekenah*, 30244; Plaston, *Grobler*, 30921; Umbogintwini, Cavendish, Verulam, *Wager*; Horns Nek, *Pont*, 34205; ? Selukwe (Rh. 1727); ? general in Southern Rhodesia, *Hopkins*.**Macrosporium Citri** McAlp.

Eyles (1926) 636; Verwoerd (1931 a) 301; Nel (1942) 97.

on *Citrus sinensis* Osbeck, bark, Mazoe, *Eyles*.*Citrus* spp., Bloemfontein, *Verwoerd*; Stellenbosch, *Verwoerd* (v. d. Byl 1312), *Brain* (v. d. Byl 2111).**Macrosporium cladosporioides** Desm.

Doidge & Bottomley (1931) 42; van der Byl (1922 d) 288; Nel (1942) 97.

on *Allium Cepa* Linn., Aliwal North, *Pienaar*, 2008.*Beta vulgaris* Linn., Stellenbosch, v. d. *Byl* 642.**Macrosporium commune** Rabenh.

Hopkins (1930) 524.

? as *Macrosporium* sp., Eyles (1926) 644.on *Carica Papaya* Linn., Barberton, *Pole Evans*, 1566; ? Salisbury, *Eyles*.*Gladiolus* sp., Southern Rhodesia, *Hopkins*.*Prunus persica* Sieb. & Zucc., Windhoek, *Fickling*, 30829.**Macrosporium Eucalypti** P. Henn.on *Eucalyptus saligna* Sm., Naboomspruit, *Black*, 21575.**Macrosporium Iridis** Cooke & Ell.

van der Byl (1922) 288; Nel (1942) 97.

on *Iris* sp., Stellenbosch, v. d. *Byl* 638.**Macrosporium lanceolatum** Mass.

Massee (1910 a) 5; Sacc. Syll. Fung. XXII: 1403.

on *Agave sisalana* Perr., leaves, Moçambique, *Johnson*.**Macrosporium Maydis** Cooke & Ellis.

Doidge & Bottomley (1931) 36; van der Byl (1922 d) 288.

? as *Macrosporium* sp., Hopkins (1930 a) 527.on *Zea Mays* Linn., Kingwilliamstown, *Burt Dary*, 1274; Stellenbosch, v. d. *Byl*; ? Southern Rhodesia, *Hopkins*.

Macrosporium nigricantium Atk.

Eyles (1924 a) 594 ; Cardoso (1945) 158.

on *Gossypium* sp., Rhodesia, Eyles ; Massinga, *Gomes e Souza* ; Caniçado, *Barrados*.

Macrosporium nobile Vize.

on *Dianthus caryophyllus* Linn., Pretoria, *Cross*, 2083 ; Louis Trichardt, *Brown*, 23338 ; Pinetown, *Badcock*, 20402.

Macrosporium Oleae Berl. & Vogl.

on *Olea europaea* Linn., Stellenbosch, *Gorter*, 33361.

Macrosporium Phaseoli Fautr.

Doidge & Bottomley (1931) 25.

on *Phaseolus vulgaris* Linn., Cape Province.

Phaseolus coccineus Linn., Cape Province.

Macrosporium Porri Ell.

Eyles (1926) 643 ; Hopkins (1930) 528, (1939 a) 4.

on *Allium Cepa* Linn., Selukwe (Rh. 1531) ; Inyazura (Rh. 2161) ; Headlands, Eyles.

Macrosporium punctatum Kalchbr. & Cooke

Kalchbrenner & Cooke (1880) 23 ; Sacc. Syll. Fung. IV : 537.

on *Allium schoenoprasum* Linn., Somerset East, *MacOwan R. 21*, Type, Kew.

Macrosporium sarcinula Berk.

Massee (1906 b) 195 ; du Plessis (1933 b) 9 ; Dippenaar (1939) 101 ; Verwoerd (1931 a) 301.

on *Allium Cepa* Linn., Bloemfontein, *Verwoerd* ; Stellenbosch, *du Plessis* (Stell. 527) ; French Hoek, *Dippenaar* (Stell. 885).

Cucumis Melo Linn., Cape, det. *Massee*.

Lactuca sativa Linn., Cape Flats, *Dippenaar*.

Macrosporium tomato Cooke

Cardoso (1937) 155, (1938) 75, (1939) 45, (1945) 157.

on *Lycopersicum esculentum* Mill., Umbeluzi, *Guimarães* ; Catembe, *Viana*.

Macrosporium Vitis Sorok.

Doidge & Bottomley (1931) 28.

on *Vitis vinifera* Linn., Cradock, *Dewar*, 318 ; Kenilworth, *Pole Evans*, 394 ; Rustenburg.

Macrosporium spp. undet.

Eyles (1926) 632 ; Verwoerd (1929 b) 8, 10, 12, (1931 a) 301 ; van der Byl (1922 d) 287.

on *Brachystegia* sp., Salisbury, Eyles.

Cyphomandra betacea Sendt., Stellenbosch, v. d. Byl.

Eriobotrya japonica Lindl., Stellenbosch, v. d. Byl.

Helianthus annuus Linn., Bloemfontein, *Verwoerd*.

Passiflora quadrangularis Linn., Genadendal, *Verwoerd*.

Pennisetum spicatum Koern., Bloemfontein, *Verwoerd*.

Populus sp., Stellenbosch, *v. d. Byl*.

Senecio cruentus DC., Stellenbosch, *Verwoerd*.

Vicia Faba Linn., Bloemfontein, *Verwoerd*; Stellenbosch and Somerset West, *Verwoerd*.

***Mystrosporium Alliorum* Berk.**

Doidge & Bottomley (1931) 42.

on *Allium Cepa* Linn., Greytown, *Wilson*, 5143.

***Mystrosporium aterrimum* Berk. & Curt.**

Kalchbrenner & Cooke (1880) 23.

on *Gymnosporia buxifolia* Szysz., Somerset East, *MacOwan* 1282 (S.A.M.).

***Mystrosporium polytrichum* Cooke**

Kalchbrenner & Cooke (1880) 23; Sacc. Syll. Fung. IV : 541.

Mystrosporium velutinum Kalchbrenner & Cooke l.c.

on *Aloe* sp., Klein Vis Rivier nr. Somerset East, *MacOwan* 500; Cape, *MacOwan* 1224, Kew.

***Sporidesmium polymorphum* Corda**

Kalchbrenner (1882 b) 27; Sacc. Syll. Fung. IV : 501.

on bark, Somerset East, *MacOwan* 1432, 20801.

***Stemphylium Eugeniae* Verw. & du Pless.**

Verwoerd & du Plessis (1933) 232.

on *Eugenia* sp., Rhodesia, *v. d. Byl* 2724, Type (Stell. 649).

***Stemphylium phylloenum* (Kalchbr. & Cooke) Sacc.**

Sacc. Syll. Fung. IV : 521; P. & H. Sydow (1910) 349.

Epochnium phylloenum Kalchbrenner & Cooke (1882 b) 21; Sacc. Syll. Fung. VII: 585.

Uromyces lugubris Kalchbrenner (1882 b) 21; Sacc. Syll. Fung. VII : 585.

on undetermined plant, Durban, *Medley Wood* 15, 39, Type, 10424, Kew.

***Stemphylium* sp.**

van der Byl (1920 c) 5.

on sugar, Natal coast, *v. d. Byl*.

***Stigmella graminicola* Linder**

on *Rhynchelytrum repens* (Willd.) Hubb., Amanzimtoti, *Doidge*, 1608.

***Tetraploa aristata* Berk. & Br.**

on *Syzygium cordatum* Hochst., Eshowe, *McClean*, 33103 b.

SCOLECOSPORAE

***Cercospora Apii* Fres.**

Chupp & Doidge (1948). 881

as *Cercospora* sp., Hopkins (1930) 416.

on *Apium graveolens* Linn. var. *dulce* D., Cedara, 2099; S. Rhodesia, *Hopkins*.

Cercospora arachidicola Hori

Woodroof (1933) 632, 634 ; Hopkins (1938 a) 122, (1939 a) 5 ; Chupp & Doidge (1948). 881

sub *Cercospora personata* (Berk. & Curt.) Ell., Eyles (1926) 644 ; Mason (1928) 36 ; Hopkins (1930 a) 526.

on *Arachis hypogaea* Linn., Gwebi and Salisbury, *Eyles 4987, 5001* (Rh. 481, 836, 2122) ; Bindura, *Hopkins* (Rh. 1619) ; Marandellas, *Hopkins* (Rh. 1474).

Cercospora Argyrolobii Chupp & Doidge

Chupp & Doidge (1948) 881

on *Argyrobium Wilmsii* Harms., Nelspruit, *Liebenberg*, 26075.

Cercospora Bauhiniae Syd.

Chupp & Doidge (1948). 882

Cercospora latimaculans Wakefield, Hopkins (1932) 463.

as *Cercospora* sp., Hopkins (1930) 415.

on *Bauhinia Galpinii* N.E. Br., Tzaneen, *Liebenberg*, 32734 ; Nelspruit, *Liebenberg*, 26057 ; Schagen, *Liebenberg*, 32879.

Bauhinia macrantha Oliv., Rhodesia, *Hopkins*.

Cercospora beticola Sacc.

Doidge & Bottomley (1931) 12, 37 ; Verwoerd (1929 b) 8, (1931 a) 301 ; Hopkins (1938 a) 122, (1939 a) 7, (1943) 150 ; Nel (1942) 96 ; Chupp & Doidge (1948) 882.

on *Beta vulgaris* Linn., Pretoria 661 ; Pyramids, *Bottomley*, 30933 ; Potchefstroom, 23494 ; Schagen, *Liebenberg*, 26180 ; Kentani, *Pegler 2389*, 9429, Kew ; Natal, 1078 ; Cedara, *Staples*, 15430 ; Maritzburg, *Erzleben*, 17006, 17008 ; Thornville Junction, *Slatter*, 23180 ; Bloemfontein, *Verwoerd* ; Stellenbosch, *Verwoerd* (Stell. 206, v. d. Byl 115 a) ; Kuilsrivier, Wynberg, Dieprivier, Paarl, Wellington, *Verwoerd* ; Avondale (Rh. 711) ; Salisbury (Rh. 1742) ; Mooi River, v. d. Byl, 31976.

Beta vulgaris var. *Cicla* Linn., Pretoria, *Wager*, 23218, *Naude*, 27574 ; Bindura, Bula-wayo, Salisbury, Inyanga, *Hopkins* ; Frames Drift, *Barron*, 33883.

Cercospora bolleana (Thuem.) Speg.

Doidge & Bottomley (1931) 23 ; Hopkins (1938 a) 122, (1939 a) 19.

on *Ficus carica* Linn., Potgietersrust, *de Villiers*, 32491 ; ? Pretoria, *Eastwood*, 103.

Ficus sp., Iron Mine Hill (Rh. 296).

Cercospora Byliana Syd.

H. Sydow (1924 c) 433 ; van der Byl (1926 c) 289 ; Chupp & Doidge (1948). 882

on *Allamanda cathartica* Linn., Woodbush, v. d. Byl 1508.

Cercospora caffra Syd.

H. & F. Sydow (1914 b) 267 ; Sacc. Syll. Fung. XXV : 868 ; Chupp & Doidge (1948) 882.

on *Sclerocarya caffra* Sond., Nelspruit, Hall, 6618 ; Schagen, *Liebenberg*, 26353.

Cercospora canescens Ell. & Mart.

Pole Evans (1906 a) 1345 ; Hopkins (1938 a) 122, (1939 a) 18, 32 ; Chupp & Doidge (1948) 882.

on *Dolichos biflorus* Linn., Salisbury (Rh. 2143).

Dolichos sp., Nelspruit, *Liebenberg*, 26070.

Phaseolus vulgaris Linn., Salisbury, *Eyles 4999* (Rh. 1798, 1987, 3950).

Cercospora Carotae (Pass.) Solh.

on **Daucus Carota** Linn. var. **sativa** DC., Stellenbosch, *Dippenaar* (Stell. 1062); Bulawayo, *Hopkins* (Rh. 5957 a).

Cercospora Caryae Chupp & Doidge

Chupp & Doidge (1948) 882.

on **Carya Pecan** Engl. & Graebn., Plaston, *Wager*, 28264; Alkmaar, 25441, Type.

Cercospora Cassinopsisidis Wint.

Winter (1885 b) 34; Sacc. Syll. Fung. IV : 469; Chupp & Doidge (1948) 883.
on **Cassinopsis capensis** Sond., Somerset East, *MacOwan*, Type.

Cercospora Cichorii J. J. Davis

on **Cichorium Intybus** Linn., Alexandria, *Erasmus*, 33203, 32809.

Cercospora circumscissa Sacc.

Verwoerd (1929 b) 10, (1931 a) 301; Doidge & Bottomley (1931) 18.

Chupp & Doidge (1948) 883.

on **Prunus Avium** Linn., Kingwilliamstown, *Dreyer*, 1187; Bloemfontein, *Verwoerd*; Stellenbosch, *Verwoerd*.

Cercospora Clerodendri Miyake

Chupp & Doidge (1948) 883.

on **Clerodendron Myricoides** R. Br. var. **cuneatum** Pears., Nelspruit, *Liebenberg*, 26012.

Cercospora Cluytiae Kalchbr. & Cooke

Kalchbrenner & Cooke (1880) 24; Sacc. Syll. Fung. IV : 473; Chupp & Doidge (1948) 883.

on **Cluytia pulchella** Linn., Somerset East, *MacOwan* 1352, Type 1325 b, Kew.

Cercospora coffeicola Berk. & Cooke

Hopkins (1938 a) 122, (1939 a) 14; Cardoso (1939) 44, (1945) 159; Chupp & Doidge (1948) 884.

on **Coffea** sp., Nelspruit, *Liebenberg*, 26022; Concession (Rh. 907); Umtali (Rh. 912, 2735, 2946); Mualama, *Guimarãis*; Chiperrone, *Grilo*.

Cercospora columnaris Ell. & Everh.

Chupp & Doidge (1948) 883.

Isariopsis griseola Sacc., Doidge (1920 c) 119; Doidge & Bottomley (1931) 25; Hopkins (1941) 1, (1943) 188.

on **Phaseolus vulgaris** Linn., Pretoria, *Doidge*, 11387; Barberton, *Watts*, 15; Winkle Spruit, *Doidge*, 2504; Southern Rhodesia, *Hopkins*; Cedara, *Staples*, 15428; Umlanga Rocks, *Wager*; Salisbury, *Hopkins*.

Cercospora Commelynae Kalchbr. & Cooke

Kalchbrenner & Cooke (1880) 24; Sacc. Syll. Fung. IV : 478; Chupp & Doidge (1948) 883.

on **Commelina benghalensis** Linn., Somerset East, *MacOwan* 1346, Type, Kew as *Septoria Commelynes* Kalchbr. & Cooke.

Commelina sp., Stella Bush, *Mariott*, 32777.

Cercospora Corchori Sawada

Chupp & Doidge (1948) 884.

on *Corchorus tridens* Linn., Nelspruit, *Liebenberg*, 26001, 26309.**Cercospora cruenta** Sacc.

Hopkins (1930) 415 ; Doidge & Bottomley (1931) 25 ; Chupp & Doidge (194).

on *Phaseolus vulgaris* Linn., Potchefstroom, 23497 ; Southern Rhodesia, *Hopkins*.? on *Vigna unguiculata* (L.) Walp., Maritzburg, *Errleben*, 17009.**Cercospora Curtisiae** Chupp & Doidge

Chupp & Doidge (1948) 884.

on *Curtisia faginea* Ait., Knysna, *Reinecke*, 32077, Type.**Cercospora Demetroniana** Wint.

Chupp & Doidge (1948) 884.

on *Crotalaria intermedia* Klotzsch, Nelspruit, *Liebenberg*, 25970.*Crotalaria juncea* Linn., Nelspruit, *Liebenberg*, 26676.**Cercospora Dissotidis** Chupp & Doidge.

Chupp & Doidge (1948) 884.

on *Dissotis incana* Triana, Tweedie, *Mogg*, 11651, Type.**Cercospora Dovyalidis** Chupp & Doidge.

Chupp & Doidge (1948) 885.

on *Dovyalis Zeyheri* Warb., Groenkloof, Pretoria, *Doidge*, 7298, Type.**Cercospora egenula** (Syd.) Chupp & Doidge

• Chupp & Doidge (1948) 885.

Cercoseptoria egenula Syd., H. Sydow (1935) 235.on *Solanum panduraeforme* E. Mey., Nelspruit, *Liebenberg*, 25999, Type.**Cercospora Faureae** Chupp & Doidge

Chupp & Doidge (1948) 885.

on *Faurea speciosa* Welw., Concession, *Hopkins* (Rh. 1620) Type.**Cercospora Fici** Heald & Wolf

Chupp & Doidge (1948) 885.

on *Ficus Sycomorus* Linn., Nelspruit, *Liebenberg*, 26345.**Cercospora fukushiana** (Mats.) Yam.

Chupp & Doidge (1948) 885 ; Hopkins (1943) 185.

on *Impatiens balsamina* Linn., on leaves, Salisbury, *Hopkins* (Rh. 4472).**Cercospora fusca** Rand.

Cardoso (1945) 160.

on *Carya pecan* Engl. & Graebn., Umbeluzi, *Oliveira*.

Cercospora fusimaculans Atk.

Chupp & Doidge (1948) 886.
on *Brachiaria serrata* Stapf, Kaalfontein, *Pole Evans*, 10081.

Cercospora gossypina Cooke

Hopkins (1939 a) 22.
on *Gossypium* sp., Darwendale, Salisbury, Hopkins.

Cercospora grandissima Rang.

Hopkins (1938 a) 122, (1939 a) 16 ; Chupp & Doidge (1948) 886.
as *Cercospora* sp., Hopkins (1930) 524.
on *Dahlia pinnata* Cav., Salisbury (Rh. 507), 24359.

Cercospora guliana Sacc.

Chupp & Doidge (1948) 886.
as *Cercospora circumscissa* Sacc., Verwoerd (1929 b) 5 ; Doidge & Bottomley (1931) 5 ; Dippenaar (1931 b) 267 ; Nel (1942) 96.
on *Prunus communis* Fritsch, Klerksdorp, 779 ; without locality, *Thomsen*, 1177 ; Louws-creek, Bradbury, 24891 ; Kirkwood, *Knights-Rayson*, 26634 ; Klein Brak, Knysna, George, *Dippenaar* ; Stellenbosch, *Verwoerd* (Stell. 366) ; Paarl, *Verwoerd* ; Knysna, *Reinecke* (Stell. 907 ; v. d. Byl 1676) ; Stellenbosch, *Roos* (v. d. Byl 1342) ; Stellenbosch, *Dippenaar* (Stell. 889 ; v. d. Byl 2580).

Cercospora Haemanthi Kalchbr.

Kalchbrenner & Cooke (1880) 24 ; Medley Wood (1898) 11 ; Sacc. Syll. Fung. IV : 477 ; Chupp & Doidge (1948) 886.
on *Haemanthus magnificus* Herb., Pretoria, *Pole Evans*, 1203 ; Garstfontein, *Doidge*, 1378 ; Buffelspoort, *Doidge*, 28615 ; Derdepoort, *Doidge & Bottomley*, 33933.
Haemanthus natalensis Pappe, Maritzburg, *Doidge*, 867.
Haemanthus puniceus Linn., Boschberg, *MacOwan* 1020, Type (S.A.M. 35105) ; *Natal, *Medley Wood* ; Kentani, *Pegler* 2406, 2398, 9772, 9738.

Cercospora Halleriae Chupp & Doidge

Chupp & Doidge (1948) 886.
on *Halleria lucida* Linn., Barberton, v. d. Byl, 7377, Type.

Cercospora Henningsii Allesch.

Hopkins (1943) 186.
on *Manihot utilissima* Pohl., Mazoe, *Bates*.

Cercospora heteromalla Syd.

H. Sydow (1924 c) 433 ; van der Byl (1926 c) 289 ; Nel (1942) 96 ; Chupp & Doidge (1948) 886.
on *Rubus rosaefolius* Sm., Woodbush, v. d. Byl 1533, Type, 34280.

Cercospora insulana (Sacc.) Chupp

Chupp & Doidge (1948) 886.
on *Limonium sinuatum* Mill., Pretoria, *Wager*, 21247.

Cercospora Jussienae Atk.

Chupp & Doidge (1948) 887.

on *Jussieuia suffruticosa* Linn. var. *angustifolia* Lam., Nelspruit, *Liebenberg*, 26066.**Cercospora Kiggelariae** Syd.

H. Sydow (1924 c) 434 ; Nel (1942) 96 ; Chupp & Doidge (1948) 887.

on *Kiggelaria africana* Linn., Stellenbosch, *Brain* (v. d. Byl 1449), Type, *Verwoerd* (Stell. 308 ; v. d. Byl 2677) ; Schagen, *Liebenberg*, 26315.**Cercospora Kopkei** Krug.on *Saccharum officinarum* Linn., Mt. Edgecombe, *McMartin*.**Cercospora leoni** Savul & Rayss.

Chupp & Doidge (1948). 887

Septosporium heterosporum Ell. & Gall., Chupp & Doidge, l.c.on *Vitis vinifera* Linn., leaves, Maracuenne, *Howard*, 975 ; Upington, *Hugo*, 33155, *du Plessis* (Stell. 1045, 1046) ; Marchand, Kakamas, *Valentin*, 33898.**Cercospora Leonotidis** Cooke

Cooke (1879 b) 72 ; •Kalkbrenner & Cooke (1880) 24 ; Sacc. Syll. Fung. IV : 470 ; Chupp & Doidge (1948) 887.

on *Leonotis leonitis* R. Br., Inanda, *Medley Wood* 5, Type, 10175.**Cercospora Liebenbergii** Syd.

H. Sydow (1935) 235 ; Chupp & Doidge (1948) 887.

on *Rauwolfia caffra* Sond., Schagen, *Liebenberg*, 26177, Type, 30964.**Cercospora longipes** Butl.on *Saccharum officinarum* Linn., common on Natal coast on the variety Co. 281, *McMartin* ; Mt. Edgecombe, *McMartin*.**Cercospora malayensis** Stev. & Solh.

Hopkins (1939 a) 22 ; Chupp & Doidge (1948) 888.

as *Cercospora gossypina* Cooke, Hopkins (1938 a) 122.as *Cercospora* sp., Eyles (1926) 641.on *Hibiscus cannabinus* Linn., Schagen, *Liebenberg*, 26312 ; Nelspruit, *Liebenberg*, 26674 ; Salisbury (Rh. 773, 1233) 34262, Kew ; Concession (Rh. 808) ; Shamwa (Rh. 1252) ; Sinoia, *Hopkins* (Rh. 548) 34274.**Cercospora melaena** Syd.

H. Sydow (1924 c) 434 ; Nel (1942) 96 ; Chupp & Doidge (1948) 888.

on *Flemingia Grahamiana* W. & A., Woodbush, v. d. Byl 1522, Type, and *Doidge*, 32911.**Cercospora melanochaeta** Ell. & Everh.

Chupp & Doidge (1948) 888.

on *Gymnosporia buxifolia* Szysz., Verulam, v. d. Byl, 6946 ; Kentani, *Pegler* 2405, 9771 ; Schagen, *Liebenberg*, 26350 ; Escombe, *Hean*, 33214.

Cercospora Momordicae McRae

Chupp & Doidge (1948) 888.
on *Momordica foetida* Schum. & Thom., Kentani, Pegler 2453, 11679.

Cercospora Musae Zimm.

Chupp & Doidge (1948) 888.
Cercospora Musae Massee, Massee & Wakefield (1914) 159.
on *Musa* sp., Gondola, Moçambique (Rh. 5766).

Cercospora myrticola Speg.

Chupp & Doidge (1948) 888.
Cercospora Myrti Eriks., H. Sydow (1924 c) 435 ; Nel (1942) 96.
? as *Cercospora purpurea-cincta* in Nel (1942) 96.
on *Myrtus communis* Linn., Blauwvlei, Wellington, Doidge, 2066 ; Hopefield, v. d. Byl 1327 and ? v. d. Byl 908, 2025.

Cercospora Nicotianae Ell. & Ev.

Eyles (1924) 747, (1926) 649 ; Mason (1928) 36 ; Hopkins (1931) 51 ; Doidge & Bottomley (1931) 62 ; Chupp & Doidge (1948) 888.
on *Nicotiana Tabacum* Linn., Swaziland, Gray, 894 ; Zomba, Nvasaland ; Salisbury, Hopkins (Rh. 532, 1801, 1803, 3786), 34260, 34267, 34268, 34276 ; Trelawney, Hopkins (Rh. 3304) ; Eldorado, Hopkins (Rh. 1767).

Cercospora obtecta Syd.

H. Sydow (1935) 235 ; Chupp & Doidge (1948) 888.
on *Annona semegalensis* Pers., Nelspruit, Liebenberg, 26043, Type.

Cercospora occidentalis Cooke

Chupp & Doidge (1948) 889.
on *Cassia delagoensis* Harv., Nelspruit, Liebenberg, 26033 ; Schagen, Liebenberg, 26352.

Cercospora Oliniae Verw. & Dipp.

Verwoerd & Dippenaar (1930 a) 326 ; Chupp & Doidge (1948) 889.
on *Olinia cymosa* Thunb., Stellenbosch, Dippenaar, Type (Stell. 391, 887, 888 ; v. d. Byl 2583) 34282.

Cercospora omphacodes Ell. & Holw.

Doidge & Bottomley (1931) 50 ; Chupp & Doidge (1948) 889.
on *Phlox Drummondi* Hk., Cramond, Hill, 6836.

Cercospora Pachycarpi Chupp & Doidge

Chupp & Doidge (1948) 889.
on *Pachycarpus Schinzianus* N. E. Br., Wonderboom, v. d. Byl, 2208.

Cercospora Pareirae Speg.

Chupp & Doidge (1948) 889.
on *Cissampelos mucronata* A. Rich., Schagen, Liebenberg, 26314.

Cercospora Pastinacae (Sacc.) Peck

Cercospora Apii Fres. var. *Pastinacae* Sacc., Doidge & Bottomley (1931) 46.
on *Pastinaca sativa* Linn., Cedara.

Cercospora Persicariae Yam.

Chup & Doidge (1948) 889.

? on *Polygonum tomentosum* Willd., Nels River nr. Nelspruit, *Liebenberg*, 26011.

Cercospora personata (Berk. & Curt.) Ell.

Mason (1928) 36; Doidge & Bottomley (1931) 48; Cardoso (1945) 151; Chupp & Doidge (1948) 890.

Septogloeum Arachidis Rac., v. d. Byl (1920 d) 528, (1922 d) 287; Verwoerd (1929 b) 48.

on *Arachis hypogaea* Linn., Skinner's Court, 993, 1287; Hartebeestpoort Exp. Sta., *Sellschop*, 32136, 32137; Crecy, *Sellschop*, 30649; Nelspruit, *Liebenberg*, 26675; Immerpan, *Steen*, 25364; Barberton, *Parsons*, 25363; Northern Flats, *Dros*, 25924; Cedara, *Staples*, 17060; Maritzburg, *Erxleben*, 15447; Stellenbosch, *Verwoerd* (Stell. 20); Settlers, *Haywood*, 30654; Sao Paulo, de Messano, *Howard*, 978; Umbeluzi, *Guimarães*.

Cercospora phaeocarpa Mitter

Chupp & Doidge (1948) 890.

on *Baukinia Thonningii* Schum., Concession, *Hopkins* (Rh. 1621) 34265

Cercospora Pouzolziae Syd.

H. Sydow (1935) 236; Chupp & Doidge (1948) 890.

on *Pouzolzia hypoleuca* Wedd., Nelspruit, *Liebenberg*, 26013, Type.

Cercospora pretoriensis Chupp & Doidge

Chupp & Doidge (1948) 890.

on *Gomphrena decumbens* Jacq. var. *genuina* Stüchlik, Skinner's Court, 1937; Pretoria, *Doidge*, 775, 6593, Type; Donkerpoort, *Doidge & Bottomley*, 32767; Wonderboom, *Doidge & Bottomley*, 32789; Schagen, *Liebenberg*, 26316.

Cercospora Protearum Cooke

Cooke (1883 b) 39; Sacc. Syll. Fung. IV: 473; van der Byl (1922 d) 288; Solheim (1929) 31; Nel (1942) 96; Chupp & Doidge (1948) 890.

Cercospora Protearum var. *Leucospermi* Cooke l.c.

Cercospora Protearum var. *Leucadendri* Cooke l.c.

on *Leucospermum conocarpum* R.Br., Hottentot's Holland, *MacOwan 1456*, Type (Rabenh. Wint. Fung. Eur. 3589) 3929, Kew; St. James, *Pole Evans*, 5570; Stellenbosch, *Duthie* (v. d. Byl 62).

Leucadendron argenteum R.Br., Table Mt., *MacOwan 1457*, Kew; Kirstenbosch, *Pearson*, 8354.

Cercospora psychotriaecola Chupp & Doidge

Chupp & Doidge (1948) 891

on *Psychotria capensis* Vatke, Mambatini, nr., Nelspruit, *Mogg*, 32773.

Cercospora punctiformis Sacc. & Roum.

Chupp & Doidge (1948) 891

on *Cynanchum natalitium* Schlecht., Isipingo, *Doidge*, 6642**Cercospora Resedae** Fuck.

Nel (1942) 96 ; Chupp & Doidge (1948) 891.

on *Reseda odorata* Linn., Hopefield, v. d. *Byl* 1272 : Kentani, *Pegler* 2390, 9428, Kew
Barberton, 439.**Cercospora Rhoicissi** Syd.H. & F. Sydow (1912 c) 444 ; Sacc. Syll. Fung. XXV : 894 ; Chupp & Doidge
(1948) 891.on *Rhoicissus erythroides* (Fres.) Planch., Barberton, *Lounsbury*, 1275, Type.**Cercospora riachueli** Speg.

Chupp & Doidge (1948) 891.

on *Cissus* sp., Schagen, *Liebenberg*, 26178.**Cercospora richardiaecola** Atk.

Hopkins (1938 a) 122, (1939 a) 40 ; Chupp & Doidge (1948) 891.

on *Zantedeschia aethiopica* (L.) Spreng., Pretoria, *Bottomley*, 14269 ; Salisbury (Rh. 1214).*Zantedeschia angustiloba* (Schott.) Engl., Pretoria, *Bottomley*, 14271.*Zantedeschia Elliotiana* (Knight) Engl., Salisbury ; Rusapi, *Hopkins* (Rh. 4688).*Zantedeschia melanoleuca* (Hk. f.) Engl., Avondale, Salisbury, *Townsend* (Rh. 1214)
34261.*Zantedeschia Rehmanni* Engl., Pretoria, *Bottomley*, 14270.*Zantedeschia* sp., Maritzburg, *Schmutz*, 30098.**Cercospora ricinella** Sacc. & Berl.

Chupp & Doidge (1948) 892.

Cercosporina ricinella (Sacc. & Berl.) Speg., Cardoso (1939) 44.on *Ricinus communis* Linn., Nelspruit, *Liebenberg*, 26010 ; Mocambique, *Cardoso*.**Cercospora rubro-tincta** Ell. & Everh.

Chupp & Doidge (1948) 892.

on *Prunus persica* Sieb. & Zucc., Potchefstroom, 23496.**Cercospora scitula** Syd.

H. Sydow (1935) 236 ; Chupp & Doidge (1948) 892.

on *Annona senegalensis* Pers., Nelspruit, *Liebenberg*, 26027, Type.**Cercospora Sesami** Zimm.

Chupp & Doidge (1948) 892.

on *Ceratotheca triloba* E. Mey., Schagen, *Liebenberg*, 26179.*Pretrea zanguebarica* J. Gay, Nelspruit, *Liebenberg*, 26048.**Cercospora Solani-melongenae** Chupp

Chupp & Doidge (1948) 892.

Cercospora Solani-melongenae Hori, nom. nud.on *Solanum Melongena* Linn., var. *esculentum* Nees, Cavendish, *Wager*.

Cercospora Sorghi Ell. & Everh.

Chupp & Doidge (1948) 892.

on **Cymbopogon afronardus** Stapf, Nelspruit, *Liebenberg*, 26061.**Cymbopogon excavatus** Stapf, Wolwekloof, *Bottomley*, 29953 ; Schagen, *Liebenberg*, 32910.**Cercospora sphaeroidea** Speg.

H. & P. Sydow (1909) 547 ; Chupp & Doidge (1948) 893.

on **Cassia delagoensis** Harv., Umbelusi, *Howard*, 522.**Cercospora Stizolobii** Syd.

Chupp & Doidge (1948) 893.

on **Stizolobium Deeringianum** Bort., Salisbury, *Hopkins* (Rh. 5302) 33969.**Cercospora transvaalensis** Syd.

H. Sydow (1935) 237 ; Chupp & Doidge (1948) 893.

on **Acalypha petiolaris** Hochst., Nelspruit, *Liebenberg*, 26002, Type.**Cercospora Tremae** (Stev. & Solh.) Chupp.

Chupp & Doidge (1948) 893.

on **Trema guineensis** (Schum.) Ficalho, Durban, *Doidge*, 1671.**Cercospora vaginae** Krueg.

Stevenson & Rands (1938) 260.

on **Saccharum officinarum** Linn., South Africa, without locality ; occurs commonly throughout coastal belt of Natal, *McMartin*.**Cercospora Violae** Sacc.

Burtt-Davy (1904) 296 ; Eyles (1926) 651 ; Verwoerd (1929 b) 27 ; Doidge & Bottomley (1931) 65 ; Hopkins (1938 a) 122, (1939 a) 48 ; Chupp & Doidge (1948) 893.

on **Viola odorata** Linn., Pretoria, *Faure*, 884, *Pole Evans*, 6678, *Wager*, 21580 ; Potchefstroom, 23495 ; Barberton, 440 ; Fort Hare, *Lyle*, 25422 ; Idutywa, *Imray*, 22343 ; Knysna, *Laughton*, 34216 ; Cramond, *Pole Evans*, 1497 ; Donnybrook, *Morgan*, 28610 ; Pyramids, *Bottomley*, 33444, *Hean*, 33490 ; Stellenbosch, *Verwoerd* (Stell. 308) ; Salisbury, *Eyles* 2098, 14015, *Mitchell* (Rh. 1314, 1602) Kew ; Lourenço Marques, *Howard*, 651.**Viola tricolor** Linn., Claremont, Cape, 741.**Cercospora Vitis** (Lév.) Sacc.

Chupp & Doidge (1948) 893.

Cercospora viticola (Ces.) Sacc., Doidge & Bottomley (1931) 28 ; Hopkins (1938 a) 122, (1939 a) 48.on **Vitis vinifera** Linn., Pretoria, *Bottomley*, 32636, 33489 ; Vaalwater, Waterberg, *Farrant*, 30765 ; Buffelspoort, *Bottomley*, 32701 ; Middelburg, Transvaal, 612 ; Vaalwater, *Farrant*, 30765 ; Kingwilliamstown, *Mally*, 462, 1182, 1173 ; Verulam, *James*, 33299 ; Eshowe, *Pole Evans*, 2025 ; Ezulweni, Swaziland, *Douglas*, 26378 ; Modder River, *Dreyer*, 283 ; Kentani, *Pegler*, 9740 ; Gwelo (Rh. 2048) ; Salisbury (Rh. 1535, 1988, 1820).? on **Cissus Rhodesiae** Gilg. & Brandt., Salisbury, *Hopkins* (Rh. 1210).

Cercospora Withaniae Syd.

H. & P. Sydow (1912 c) 444; Sacc. Syll. Fung. XXV: 891; Chupp & Doidge (1948) 893.
on *Withania somnifera* Dun., Bluff, Durban, Doidge, 1672.

Cercospora Zizyphi Petch

Chupp & Doidge (1948) 893.
on *Zizyphus mucronata* Willd., Barclayvale, Liebenberg, 32880; Schagen, Liebenberg, 26347 32876; Tzaneen, Liebenberg, 32726.

Cercospora sp.

Hopkins (1930 a) 415.
on *Cucumis sativus* Linn., Southern Rhodesia, Hopkins.

Cercospora sp.

Hopkins (1930 a) 414.
on *Helianthus tuberosus* Linn., Southern Rhodesia, Hopkins.

STAUROSPORAE.

Tripodsporium Stapeliae du Plessis

du Plessis (1933 c) 9, 12; Nel (1942) 98.
on *Caralluma* sp., Bot. Gard., Stellenbosch, Herre.
Duvalia corderayi N.E.Br., Bot. Gard., Stellenbosch, Herre & du Plessis.
Duvalia parviflora N.E.Br., Bot. Gard., Stellenbosch, Herre & du Plessis.
Duvalia sp., Bot. Gard., Stellenbosch, Herre & du Plessis.
Hoodia Bainii Dyer, Bot. Gard., Stellenbosch, Herre & du Plessis.
Hoodia Gordoni Sweet, Bot. Gard., Stellenbosch, Herre & du Plessis.
Huernia longituba N.E.Br., Bot. Gard., Stellenbosch, Herre & du Plessis.
Huernia oculata Hook. f., Bot. Gard., Stellenbosch, du Plessis (Stell. 788; v. d. Byl 2711).
Sarcophagophilus Winklerianus Dinter, Bot. Gard., Stellenbosch, Herre & du Plessis.
Stapelia desmetiana N.E.Br., Bot. Gard., Stellenbosch, Herre & du Plessis.
Stapelia Leendertziae N.E.Br., Bot. Gard., Stellenbosch, Herre & du Plessis.
Stapelia Schinzii Berg. & Schlecht., Bot. Gard., Stellenbosch, Herre & du Plessis (Stell. 787).
Stapelia spp., Bot. Gard., Stellenbosch, Herre & du Plessis (Stell. 791, 793, 794).
Tavaresia grandiflora Berg., Bot. Gard., Stellenbosch, Herre & du Plessis (Stell. 790).
Trichocaulon annulatum N.E.Br., Bot. Gard., Stellenbosch, Herre & du Plessis.
Trichocaulon cactiforme N.E.Br., Bot. Gard., Stellenbosch, du Plessis (Stell. 789; v. d. Byl 2712).
Trichocaulon sinus-Luderitzii Dinter, Bot. Gard., Stellenbosch, Herre & du Plessis.
Trichocaulon spp., Bot. Gard., Stellenbosch, Herre & du Plessis.
According to du Plessis, l.c., this fungus also occurs on *Trichocaulon* spp., *Stapelia* spp. and other succulent *Asclepiadaceae* in the Barkly East, Kuruman, Omaruru, Prieska, Tumebe and Windhoek districts.

TUBERCULARIACEAE.

MUCEDINAE

AMEROSPORAE.

Beniowskia sphaeroidea (Kalchbr. & Cooke) Mason

Mason (1928) 26; Doidge & Bottomley (1931) 26, 40; Hopkins (1938 a) 123, (1939 a) 31, 42.

Ceratium sphaeroideum Kalchbrenner & Cooke (1880) 22; Sacc. Syll. Fung. IV : 597.

Beniowskia Penniseti Wakefield (1916) 75.

Aegerita Penniseti P. Henn., Doidge & Bottomley l.c.; Eyles (1926) 640; Nel (1942) 106.

Albugo sp., Eyles (1926) 629.

on **Cymbopogon marginatus** (Steud.) Stapf, Somerset East, *MacOwan* 1284, Kew.

Cenchrus ciliaris Linn., George, *Moore*, 20300.

Pennisetum purpureum Schum., Westfalia Estates, *F. du Toit*, 25930; Hartley, *Eyles* 3325, 15520.

Pennisetum sp., Salisbury, *Eyles* (v. d. Byl 1804).

Setaria nigrirostris Dur. & Schinz, Belfast, *Doidge*, 560; Sandymount, *Wallace*, 10019.

Setaria sphacelata Stapf & Hubb., Pretoria, *Hean*, 30700.

Setaria verticillata Beauv., Salisbury, *Eyles* 2065, 14002; Mazoe (Rh. 2300).

Tubercularia Fici Edgert.

Eyles (1926) 639; Hopkins (1930) 524.

on **Ficus** sp., Salisbury, *Eyles*.

Tubercularia minor Link

Verwoerd & du Plessis (1933) 233.

on **Acacia saligna** Wendl., Mossel Bay, *Vorster* (Stell. 818).

Tubercularia vulgaris Tode

Medley Wood (1898) 19.

Sphaeria tremelloides Linn., Thunberg (1800) 183, (1823) 756.

on **Rhus** sp., on bark, Boschberg, *MacOwan* 1096 (S.A.M. 35210) 20826; Natal.

Medley Wood 462, 10024, 10615.

on host unknown, Cape, *Thunberg*.

Tuberculina malvacearum Speg.

H. & P. Sydow (1909) 547.

on **Puccinia heterospora** Berk. & Curt., on *Sida cordifolia*, Moçambique, *Howard*, 676.

Tuberculina persicina (Ditm.) Sacc.

Tubercularia persicina Ditm., von Thuemen (1877) 413.

on **Aecidium dubiosum** Syd., on *Senecio mikanioides*, Boschberg, *MacOwan*.

Volutella Dianthi (Halst.) Atk.

Doidge & Bottomley (1931) 16.

on **Dianthus caryophyllus** Linn., Duivelskloof, v. d. *Merwe*, 25450, *Olivier*, 28723, *Graham*, 25353.

Volutella sp.

on **Citrus sinensis** Osbeck, isolated from surface washings from fruit, Mazoe, *Bates* 255, 34024.

DIDYMOSPORAE.

Patouillardella Rumicis Verw. & du Pless.

Verwoerd & du Plessis (1933) 227 ; Nel (1942) 107.

on **Rumex** sp., Ceres, *Dippenaar*, Type (Stell. 659 ; v. d. Byl 2690).

PHRAGMOSPORAE.

Bactridium flavum Kunze & Schum.

van der Byl (1925 b) 196 ; Nel (1942) 106.

on old wood, Knysna, *Duthie* 53 (v. d. Byl 1098).

Cylindrocarpon album (Sacc.) Wollenw. var. **crassum** Wollenw.

isolated from **Persea americana** Mill., Maritzburg, *Schultze*, 28410.

Fusarium angustum Sherb.

du Plessis (1933 b) 9 ; Doidge (1938) 407 ; Doidge & van der Plank (1936) 18.
isolated from

Allium Cepa Linn., south-western Cape, *du Plessis*.

Arachis hypogaea Linn., pods, Pretoria, *F. du Toit*.

Citrus Iimonia Osbeck, fruit, Sundays River, Doidge ; roots, Zebediela, *Doidge*, 28434, 28445 ; Steenbokfontein, *Turner*, 28427 ; Marikana, *Doidge*, 28426 : Acornhoek, *Doidge* : Bonnievale, *Doidge*.

Citrus sinensis Osbeck, fruit from White River, Zebediela, Rustenburg, Letaba, Groot Drakenstein, Mudén, *Doidge* : roots, Villiersdorp, *Doidge*.

Gossypium sp., stem, Rustenburg, *Wager*.

Lycopersicum esculentum Mill., stems and petioles, Gqaga, *Wager* ; Tonetti, *Wager*.

Pinus sp., discoloured wood, Hogsback, *Lurie*.

Polygala speciosa Gem., stem, Durban, *McClellan*.

from soil in Citrus orchards, Kosterfontein, *Esselen*, 28419 ; Boskoppies, *Doidge*, 28441.

Fusarium argillaceum (Fr.) Sacc.

du Plessis (1933 b) 12.

isolated from

Solanum tuberosum Linn., tubers, Ceres, *du Plessis*.

Fusarium avenaceum (Fr.) Sacc.

Doidge (1938) 348.

on **Puccinia ranulipes** Doidge on *Asparagus luricinus* (teleuto-sori), Wonderboom, *Doidge* & *Bottomley*, 28735.

isolated from

Avena sativa Linn., roots, Stellenbosch, *Gorter*, 33355.

Cucumis Melo Linn., fruit, Cape Town, *Rattray*.

Eleusine indica (L.) Gaertn., stems, Acton Homes, *L. A. Doidge*.

Triticum aestivum Linn., Clarens, *K. M. Putterill* ; South-western Cape, *Dippenaar*.

Form 1. Wollenw. & Reinking.

Doidge (1938) 349 ; Wollenweber (1935) no. 1134.
isolated from

Citrus sp., bark, Godwan River, *Marloth*.

Euphorbia crassipes Marloth, stems, Willeston, *Herne*, 25950, 28379.

on *Paspalum dilatatum* Poir, ovaries infected with *Claviceps Paspali*, Cedara, *Gill*, 25473, 28436 ; Eshowe, *v. d. Plank*, 25864 ; Hlatikulu, *Thomas*, 31085 ; Pyramids, *Mogg*, 32439 ; Derdepoort, *Doidge & Bottomley*, 33936.

Paspalum distichum Linn., ovaries infected with *Claviceps Paspali*, Durban, *Kent*, 21105 ; Umbilo, *Kent*, 23699 ; Pyramids, *Mogg*, 32442.

Fusarium bulbigenum Cooke & Mass.

Doidge (1938) 412.

isolated from

Allium sativum Linn., bulb of wilting plant, Eikenhof, *Doidge*, 28362.

Freesia sp., discoloured corms, Pretoria, *Hofs*.

Gladiolus sp., discoloured corms, Louis Trichardt, *Koker*.

Nicotiana Tabacum Linn., discoloured stems of wilting plants, Rustenburg, *Moore*.
from soil, Pretoria, *Kammerman*.

Var. blasticola (Rostr.) Wollenw.

du Plessis (1933 d) 6.

isolated from

Solanum tuberosum Linn., rotting tubers, Ceres, Paarl, Stellenbosch, *du Plessis*.

Var. Lycopersici (Brushi) Wollenw. & Reinking

Wager (1933 a) 240 ; Doidge (1938) 416 ; Doidge & van der Plank (1936) 18.

Fusarium Lycopersici Brushi, Eyles (1926) 650 ; Hopkins (1930) 651 ; Doidge & Bottomley (1931) 63.

isolated from

Carica Papaya Linn., stem, Buffelspoort, *Doidge*.

Citrus sinensis Osbeck, fruit, Letaba, *Doidge*.

Dianthus caryophyllus Linn., stem, Pretoria, *Doidge*, 28390 ; Salisbury, *Hopkins*.

Lycopersicum esculentum Mill., Nelspruit, Karino, Boulders, *Wager*, 28428 ; Gqaga, *Wager* ; Duivelskloof, *Doidge* ; Karino, *Pursglove* ; Clanwilliam, *Dippenaar* : Shamva, *Eyles* : Southern Rhodesia, *Hopkins*.

Var. niveum (E.F.Sm.) Wollenw.

Doidge (1938) 419, 456.

isolated from

Citrullus vulgaris Schrad., stems, Witpoort, *Doidge* ; Biesjesvlei, Lichtenburg, Uitenhage, *Haines*.

Var. tracheiphilum (E.F.Sm.) Wollenw.

Hopkins (1938 a) 125, (1939 a) 24.

on *Lupinus* sp., roots, Salisbury (Rh. 330, 361).

Fusarium chlamydosporum Wollenw. & Reinking

Doidge (1938) 346 ; Wollenweber & Reinking (1935) 47, 48.

isolated from

Brachiaria pubifolia Stapf, ovaries, Nelspruit, *Liebenberg*, 26670.

Nomadacris septemfasciata Serv., South-west Africa, *Wollenweber*.

from underground mine timber, Durban Roodepoort Deep (T.R.L. 429, det. Baarn).

Fusarium ciliatum Link

Doidge (1938) 343.

on **Ephichloe cinerea** Berk. & Br., on *Sporobolus capensis* and *Eragrostis plana*, Thorneville Junction, Doidge, 865; Mooi River, Mogg, 10063; Cramond, Pole Evans, 1369; Fairy Glen, Lounsbury, 17651; Acton Homes, L. A. Doidge, 25897; Hopevale, Morgan, 27749.

Fusarium coccophilum (Desm.) Wollenw. & Reinking

Wollenweber & Reinking (1935) 34; Wollenweber (1935) no. 1126; Doidge (1938) 335.

Fusarium coccinellum Kalchbrenner, von Thuemen (1876 b) 426; Sacc. Syll. Fung. IV: 696; Wollenweber (1930) nos. 782, 861.

Sphaerostilbe flammea Tul., conidiophoro, Kalchbrenner (1882 a) 146; Medley Wood (1898) 19.

Nectria sp., Kalchbrenner (1882 a) 146.

Fusarium baccharidicola P. Henn., Wollenweber (1930) no. 865.

as *Sphaerostilbe coccophila* Tul., van der Byl (1926 c) 286; Verwoerd, (1931 a) 299.

as *Microcera coccophila* Desm., Pole Evans (1908 e) 126.

on **Aonidiella aurantii** Mask., on leaves and twigs of *Citrus* spp., Maritzburg, Kelly, 12174, v. d. Vyver, 26322; without locality, 25438; Hilton Road, Cogan, 10121; Moçambique, Howard, 650; Duivelskloof, Doidge, 1845, 28877; Elin, Doidge, 20344, Nyenhuis, 27561, Turner, 20587; Bredasdorp, Turner, 20602; Alkmaar, Turner, 18191; Richmond, Tedder, 15479; Mt. Silinda, Lounsbury, 25973; New Agatha, Wager, 27689; Tzaneen, Turner, 26568; White River, Kritzing, 12815; Inzana, Walton, 30757; on twigs of *Rosa* spp., Ravenshill, Eland, 25932; Maritzburg, Fouché, 27282, v. d. Vyver, 26406; Salisbury, Bates (Rh. 6782) 35293.

Aspidiotus furcillae Brain, on bark of *Acacia Karroo*, Somerset East, MacOwan (Thuem. Myc. Univ. 782) 21956, Kew; Boschberg, MacOwan 1059, (S.A.M. 35213) 20913, Kew.

Aspidiotus perniciosus Comst., on twigs of *Pyrus communis*, Chasedene, Maritzburg, v. d. Vyver, 21932.

Aspidiotus rapax Comst., on twigs of *Ribes* sp., Haenertsburg, Doidge, 1684; on *Aleurites Fordii*, Umhlali, Gill, 28656.

Chionaspis sp., Victoria Falls, Lounsbury, 25974.

Lepidosaphes Gloveri Pack., on twigs of *Citrus* sp., Chase Valley, v. d. Plank; Port St. Johns, Fraser, 26323.

Parlatoria zizyphi Lucas, on *Citrus sinensis* Verulam, James, 35553.

Coccidae undet., Natal, Medley Wood 106, 157; on *Canthium* sp., Cape, Lounsbury, 193, 205.

Fusarium coeruleum (Lib.) Sacc.

du Plessis (1933 d) 10; Doidge (1938) 453; Hopkins (1938 a) 124, (1939 a) 43. isolated from

Solanum tuberosum Linn., tubers, George, Paarl, Stellenbosch, Ceres, du Plessis; Borrowdale (Rh. 2935); Salisbury, Hopkins.

Lycopersicum esculentum Mill., fruit, Mazoe, Bates, 33366.

Fusarium conglutinans Wollenw.

Hopkins & Pardy (1944) 63. isolated from

Brassica oleracea Linn., stems of seedlings, Umtali, Hopkins & Pardy.

Var. **Callistephi** Beach

Doidge (1938) 410; Doidge & Bottomley (1931) 10.

Fusarium conglutinans var. *majus* Wollenw., Wager (1932 a) 301.

isolated from

Callistephus chinensis Nees, stems of wilting plants, Pretoria, *Cross*, 18187, *Mathews*, 23167, *Doidge*, 25912, *Greenstein*, 32721, *v. d. Merwe*, 28437, *Wager*, 25913; Heidelberg, *Theunissen*, 30468; Durban, *McClellan*; Cavendish, *Wager*.

Fusarium culmorum (W.G.Sm.) Sacc.

Wollenweber (1931) 360; *Doidge & Bottomley* (1931) 67; *Doidge* (1938) 380; Hopkins (1932) 467, (1938 e) 622, (1939 a) 44, 46.

isolated from

Dianthus caryophyllus Linn., stems, Rumbavi (Rh. 70); Salisbury, *Hopkins*.

Lolium temulentum Linn., stems of dying plants, Waaikraal, *Wager*.

Solanum tuberosum Linn., Borrowdale (Rh. 1373); Salisbury (Rh. 1439, 1891).

Triticum aestivum Linn., stems and roots, Waaikraal, *Wager*; Stellenbosch, *Gorter*, 33356; Chakari (Rh. 1326).

on **Sphacelotheca Sorghi** (Link) Clint. on *Sorghum caflrorum* Beauv., Ixopo, *Storey*, 17272.

Fusarium decemcellulare Brick

Doidge (1938) 339; *Doidge & van der Plank* (1936) 18.

isolated from

Epichloe cinerea Berk. & Br. on *Sporobolus capensis*, Acton Homes, *L. A. Doidge*.

Citrus sinensis Osbeck, fruit, Zebediela, *Doidge*.

Fusarium Dianthi Prill. & Del.

Doidge (1938) 431.

isolated from

Dianthus caryophyllus Linn., stems of wilting plants, Bethlehem, Elim, Politsi, Durban Golden Valley nr. Cookhouse, *Doidge*.

Fusarium sp. (Fusarium dimerum Penz. prox.)

isolated from

brattice cloth used underground in mines, Modderfontein Deep (T.R.L. 1402, det. Thom).

Fusarium diversisporum Sherb.

Bates (1937 b) 206; Hopkins (1938 a) 124, (1939 a) 13.

isolated from

Citrus sinensis Osbeck, fruit, Mazoe, *Bates*.

Fusarium Equiseti (Corda) Sacc.

Doidge (1938) 356; *Doidge & van der Plank* (1936) 19.

isolated from

Citrus sinensis Osbeck, fruit, Zebediela, *Doidge*.

Cucumis sativus Linn., stem of wilting plant, Uitenhage, *Haines*.

Lycopersicon esculentum Mill., Pretoria, *Wager*; Gqaga, *Wager*.

Striga lutea Lour., from stems of dying plants, Ixopo, *Mack*.

Var. **bullatum** (Sherb.) Wollenw.

Doidge (1938) 359.

isolated from

Mesembrianthemum sp., stems of succulent plant, Pretoria, *Wager*, 28448.

Fusarium expansum Schlecht.

on **Phaeochorella Parinari** (P. Henn.) Theiss. & Syd., on *Parinarium mobola*, Entabeni, Laughton, 33436.

Fusarium graminearum Schwabe

Steyn (1934) 175; Doidge (1938) 382; Gorter (1943) 181.
isolated from

Triticum aestivum Linn., Stellenbosch, Gorter, 33357.

Zea Mays Linn., Louis Trichardt, Leemann, 28442, 26582; Rustenburg, Watts, 24866; from maize meal, Bethal.

Fusarium heterosporum Nees var. **congoense** Wollenw.

Wollenweber (1931) 350; Wollenweber & Reinking (1935) 72; Doidge (1938) 371; Hopkins (1939 a) 7, (1943) 179.

Fusarium congoense Wollenweber (1916) nos. 306, 307, (1917) 20, 54, (1918) 736.

Fusarium heterosporum var. *congoense* f. l. Wollenweber (1931) 350.

Fusarium congoense var. *septatius* Wollenweber (1924) no. 612.

? as *Fusarium heterosporum* Nees, Pole Evans (1906 a) 139; Nel (1942) 106; Hopkins (1938 a) 124, (1939 a) 47.

on ovaries (infected with smut or ergot).

of **Bothriochloa glabra** A. Camus, Bulawayo, Hopkins.

Brachiaria brizantha Stapf, Barberton, Mogg, 7771; White River, Loest, 28598; Salisbury, Eyles (v. d. Byl 1801) 11858, Walters, 8868.

Bromus catharticus Vahl., Zandspruit, Gillespie, 284, 285.

Cenchrus ciliaris Linn., Prinshof, Mogg, 26147.

Cynodon Dactylon Pers., Skinner's Court, Mogg, 11673; without locality, Burt Davy, 577.

Digitaria eriantha Steud., Butterworth, Pegler, 7743.

Digitaria monodactyla (Nees) Stapf, Groenkloof, Pole Evans, 11874.

Digitaria Pentzii Stent, Durban, Clarkson, 23864; Prinshof, Liebenberg, 25369; Donkerpoort, Doidge & Bottomley, 29765.

Digitaria sp., Grahamstown, Liebenberg, 27514.

Hyparrhenia hirta Stapf, Garstfontein, Pienaar, 8905.

Lolium multiflorum Lam., Nottingham Road, McClean, 31023.

Panicum laevifolium Hack., Tzaneen, 6; Struben's Valley, Roodepoort, Schaefer, 33765.

Panicum maximum Jacq., Kentani, Pegler, 6649, 6919; Butterworth, Pegler, 7738; Maritzburg, Sim, 7760; Groenkloof, Pole Evans, 9058; Barberton, Wager, 26152; Nelspruit, Liebenberg, 26669; Durban, Medley Wood 824, Kew.

Setaria nigrirostris Dur. & Sch., Leeuwpoot, Burt Davy, 480, Kew.

Setaria perennis Hack., Groenkloof, Phillips, 11878; Grahamstown, Liebenberg, 30457.

Setaria sphacelata Stapf & Hubb., Garstfontein, Pienaar, 8906; Pretoria, Liebenberg, 32195.

Sorghum cafferum Beauv., Clercqsvlei, Transvaal.

? on **Urochloa mosambicensis** Dandy, Salisbury (Rh. 2086).

Fusarium javanicum Koord.

Wollenweber & Reinking (1935) 181; Doidge & Kresfelder (1932) 299; Doidge (1938) 443.

isolated from

Cucurbita maxima Duch., stems of wilting plants, Hennops River and Daspoort, Kresfelder, 28414; Uitenhage, Haines.

Cucurbita Pepo Linn., stems of wilting plants, Hennops River and Daspoort, *Kresfelder*.

Var. **radicicola** Wollenw.

isolated from

Chrysanthemum cinerariifolium Viz., crown rot, Mazoe, *Bates*, 33367.

Pelargonium sp., discoloured rhizome, Pretoria, *Wager*.

Solanum tuberosum Linn., tubers, Umhlanga Beach, v. d. *Plank*.

Fusarium lateritium Nees

Bates (1937 b) 206 ; *Doidge* (1938) 385 ; *Doidge & van der Plank* (1936) 19.

Fusarium putaminum Thuem., *Pole Evans* (1913 b) 176.

isolated from

Carica Papaya Linn., fruit, Bokfontein, *Doidge*, 28429.

Citrus Limonia Osbeck, fruit, Rustenburg, *Doidge*.

Citrus sinensis Osbeck, fruit, Zebediela, *Doidge*, 28431, 28395 ; Muden, Rustenburg, White River, Letaba, Sunday's River, *Doidge* ; from twigs, Hankey, v. d. *Plank* ; 28423 ; Ofcalaco, v. d. *Plank* ; from bark, de Wildt, *Doidge* ; Elandshoek, *Simmonds* ; Mazoe, *Bates* ; buds in nursery stock, White River, *Esselen*.

Euphorbia crassipes Marloth, rotting stem, Willeston, 28378, 28391, 28444.

Prunus persica Sieb. & Zucc., fruit, Orchard Siding, *Dicey*, 5637.

Ceroplastes sp., on *Acacia* sp., Grahamstown, N. J. G. *Smith*, 28443.

Lepidosaphes Gloveri Pack. on *Citrus* sp., v. d. *Plank*, 28391.

Var. **longum** Wollenw.

Doidge & van der Plank (1936) 19 ; *Doidge* (1938) 389 ; *Hopkins* (1938 a) 124, (1939 a) 14.

isolated from

Citrus Limonia Osbeck, fruit, Sunday's River, *Doidge*.

Citrus sinensis Osbeck, fruit, Sunday's River, *Doidge* ; bark, Letaba, 28417.

Coffea arabica Linn., berries, Lemana, *Watson* ; stems, Umtali (Rh. 1010).

Var. **majus** Wollenw.

Hopkins (1938 a) 124, (1939 a) 13.

isolated from

Citrus sinensis Osbeck, fruit, Mazoe, *Bates*.

Fusarium Lini Bolley

Hopkins (1930) 527.

isolated from

Linum usitatissimum Linn., stem, Southern Rhodesia, *Hopkins*.

Fusarium moniliforme Sheld.

Wollenweber (1931) 391 ; *Doidge & Bottomley* (1931) 36, 62 ; *Doidge & van der Plank* (1936) 19 ; *Doidge* (1938) 393 ; *Hopkins* (1938 a) 124, (1938 e) 622 ; *McMartin* (1943) 52.

Fusarium moniliforme var. *erumpens* Wollenw. & *Reinking*, *Hopkins* (1938 a) 124, (1939 a) 13 ; *Bates* (1937 b) 206.

isolated from

Allium Cepa Linn., bulb, Pretoria, *Wager*.

Ananas comosus Merr., fruit, Bathurst, *Doidge*.

Brassica oleracea Linn., stems, Buffelspoort, *Doidge*.

Citrus maxima Merr., fruit, Mazoe, *Bates*.

Citrus sinensis Osbeck, fruit, Sunday's River, Rustenburg, *Doidge* ; Mazoe, *Bates*.

Eleusine indica Gaertn., stems, Acton Homes, L. A. *Doidge*.

- Ficus carica** Linn., fruit, Pretoria Distr.
Gossypium sp., stems of seedlings, Rustenburg, *Moore*.
Lycopersicum esculentum Mill., seed, Pretoria, *Wager*, 28403.
Musa paradisiaca Linn. var. **sapientum** Kze., fruit, Acornhoek, *Boyce*.
Nicotiana Tabacum Linn., seedlings, Rustenburg, *Moore*.
Persea americana Linn., roots, Malelane, *Wager*.
Phlox Drummondii Hk., stems, Pretoria, *Doidge*.
Pisum sativum Linn., stem, Carnarvon, *Wager*.
Pyrus malus Linn., fruit, Vereeniging, *Bottomley*.
Saccharum officinarum Linn., Eshowe, Upper Tongaat, Tongaat, Mt. Edgecombe, Umhloti, *McMartin*.
Solanum tuberosum Linn., tubers, Umhlanga Beach, v. d. Plank.
Sorghum caffrorum Beauv., grain, Pretoria, *F. du Toit*.
Sorghum dochna (Forsk.) Snowd. var. **technicum** (Koern.) Snowd., stem, Pretoria, *F. du Toit*.
Striga lutea Lour., stems, Pretoria, *F. du Toit*.
Triticum aestivum Linn., stems, Losperfontein, *Leemann*.
Zea Mays Linn., stem and cob, Potchefstroom, *Sellschop*, 28664, 28665, 28666; Bethal, *Doidge*, 28382; Settlers, *E. du Toit*; Louis Trichardt, Pretoria, Immerpan, Warmbaths.
 from eggs showing discoloured patches on the membrane, Port Elizabeth, *Bottomley*.
 Var. **subglutinans** Wollenw.
 Wollenweber & Reinking (1935) 100; *Doidge & van der Plank* (1936) 19; *Doidge* (1938) 398; *Watt & Breijer-Brandwyk* (1932) 215; *Hopkins* (1938 a) 124, (1938 e) 622; *Cardoso* (1945) 149, 155.
 isolated from
Brassica oleracea Linn., stems, Buffelspoort, *Turner*.
Citrus sinensis Osbeck, fruit, Rustenburg, *Doidge*.
Crotalaria juncea Linn., stems, Nelspruit, *Retief*, 32129; Kat River, *Wager*.
 ? **Cydonia oblonga** Mill., fruit rot, Mazoe, *Bates* 391.
Kniphofia sp., capsules, Loskop, *Galpin*, 28385.
Musa sp., Manhiça, *Guimarães*.
Pyrus malus Linn., fruit, Vereeniging, *Bottomley*.
Saccharum officinarum Linn., leaf, Natal coast, *McClellan*; Eshowe and Mount Edgecombe, *McMartin*.
Zea Mays Linn., leaves and cob, Bethal, 28381; Klip River, *Watts*, 28413; Potchefstroom, *Sellschop*, 28666; Kinross, 28406; Pretoria, *Doidge*; Piet Retief, *Leemann*; Salisbury (Rh. 3417, 3422); Umbeluzi, *Oliveira*.
Nomadacris septemfasciata Serv., South West Africa, *Wollenweber*.
Fusarium orthoceras App. & Wollenw.
Doidge & Bottomley (1931) 64; *du Plessis* (1933 d) 7; *Bates* (1937 b) 206; *Doidge* (1938) 405; *Hopkins* (1938 a) 124, (1939) 13.
Fusarium orthoceras var. **albido-violaceum** (Dasz.) Wollenw., *du Plessis* (1933 d) 8.
 isolated from
Citrus sinensis Osbeck, fruit, Mazoe, *Bates*.
Solanum tuberosum Linn., tubers, Mokeetsi, *Doidge*; Pretoria, *Wager*; Leslie, *Doidge*; Cedara, *Gill*; Mt. Edgecombe, v. d. Plank; Stellenbosch, Paarl, George, *du Plessis*; stem, Molteno, *Wager*; Stellenbosch, *du Plessis*.
 Var. **longius** (Sherb.) Wollenw.
Hopkins (1939 a) 46.
 isolated from
Triticum aestivum Linn., foot rot, Headlands, *Hopkins*.

Fusarium oxysporum Schlecht.

Lounsbury (1909) 45 ; Doidge & Bottomley (1931) 64 ; Doidge & van der Plank (1936) 19 ; Doidge (1938) 421 ; Hopkins (1939 a) 13 ; Cardoso (1945) 158.

as *Fusarium oxysporum* f.1. Wollenw., Bates (1937 b) 206 ; Hopkins (1930) 649, (1938 a) 124, (1939 a) 13.

isolated from

Avena sativa Linn., Stellenbosch, 33358.

Carica Papaya Linn., seedlings, eastern Transvaal, *Wager*, 28363.

Citrus sinensis Osbeck, fruit, Sundays River, *Doidge*, 28354, 28356 ; Groot Drakenstein, *Doidge*, 28351, 28352, 28353 ; White River, *Doidge* ; Mazoe, *Bates*.

Coffea robusta Hort., stems, Hartebeestpoort, *Koch*, 28435.

Cucumis Melo Linn., fruit, Cape Town, *Rattray*.

Ipomoea batatas Lam., tuber, Humansdorp, *Wager*.

Lathyrus odoratus Linn., seedlings, Pretoria, *Doidge*.

Passiflora edulis Sims, Pretoria, *Doidge*.

Phormium tenax Forst., Umhlatuzi Estates, *Wager*.

Rheum rhaponticum Linn., Rhodesia, *Hopkins*.

Solanum tuberosum Linn., tubers, Windhoek, Pretoria, Klerksdorp, Port Elizabeth, *Doidge* ; Mokeetsi, *Wager* ; Paarl, Stellenbosch, *du Plessis* ; Stellenbosch, Verwoerd (Stell. 312) ; Baale, Manhiça, *Guimarães*.

Form. 1. Wollenw.

du Plessis (1933 d) 9 ; *Doidge* (1938) 423 ; *Hopkins* (1938 a) 124, (1939 a) 43.

isolated from

Solanum tuberosum Linn., haulms and tubers of wilting plants, de Wildt, *Wager* ; Moord-drift and Planknek, *Doidge* ; Darling, *du Plessis* ; Gwelo (Rh. 90) ; Bulawayo (Rh. 113) ; Salisbury (Rh. 709) ; Macheke (Rh. 1134) ; Marandellas, (Rh. 3619).

Form 7. Wollenw.

Doidge (1938) 425.

Fusarium Cepae Hanz. em. Link & Bailey, *du Plessis* (1933 a) ; Nel (1942) 166.

isolated from

Allium Ceba Linn., roots and bulbs, Caledon, Ceres, Cape Peninsula, French Hoek, Riversdale, Tulbagh, *du Plessis* ; Stellenbosch, *du Plessis* ; (Stell. 557 ; v. d. Byl 2666) ; dying seedlings, Pyramids, *Mogg*, 28393 ; bulbs and leaf bases, Nelspruit, *Wager*, 28433.

Allium Ceba var. **solaninum** Alef., south-western Cape, *du Plessis*.

Allium porrum Linn., south-western Cape, *du Plessis*.

Allium sativum Linn., south-western Cape, *du Plessis*.

Form 8. Snyder.

Doidge (1938) 427.

Fusarium vasinfectum Atk. var. *Pisi* v. Hall, *Hopkins* (1930) 529.

isolated from

Pisum sativum Linn., stems of wilting plants, Tygerpoort, *Fourie* ; Southern Rhodesia, *Hopkins*.

Var. **aurantiacum** (Link.) Wollenw.

du Plessis (1936) 15 ; *Doidge* (1938) 428.

isolated from

Antirrhinum majus Linn., stems, Johannesburg, *Wager*.

Arachis hypogaea Linn., pods, Pretoria, *F. du Toit*.

Brassica oleracea Linn., stems of wilting plants, Witpoortjie, *Doidge*.

Cupressus lusitanica Mill., seedlings, Xumeni Forest, *D.F.O.*

Phaseolus vulgaris Linn., stems, Nelspruit, *Wager*; Swaziland.

Pinus longifolia Roxb., seedlings, northern Transvaal, *Bottomley*.

Pinus palustris Mill., seedlings, St. Lucia Bay, *D.F.O.*

Pinus taeda Linn., seedlings, St. Lucia Bay, *D.F.O.*

Vitis vinifera Linn., berries, south-western Cape, *du Plessis*.

Var. *cubense* (E. F. Sm.) Wollenw.

isolated from

Musa Cavendishii Lamb., Cavendish, *Wager*; Coedmore, *Wager*.

Musa paradisiaca Linn. var. *sapientum* Kze., Mount Edgecombe, *Storey*.

Musa spp., Verulam, Phoenix, Winkle Spruit, *Storey*.

Var. *Gladioli* Massey

Doidge (1938) 430.

isolated from

Gladiolus sp., corms and leaf bases, Pretoria, *Doidge*; Hartebeestpoort, *Sieling*, 34548; Umtali, *Hopkins* (Rh. 6281).

Var. *Nicotianae* Johns.

Moore (1926) 428; *Doidge* (1938) 424; *Doidge & Bottomley* (1931) 62.

isolated from

Nicotiana Tabacum Linn., stems, Buffelspoort, *Moore*.

Fusarium redolens Wollenw., f.l. Wollenw.

Doidge (1938) 440.

isolated from

Lycopersicum esculentum Mill., seed, Pretoria, *Wager*.

Fusarium reticulatum Mont. f.l. Wollenw.

isolated from canned, pasteurized cheese, Durban, *Wickens*.

Fusarium sambucinum Fuck.

Wollenweber (1931) 352; *du Plessis* (1933 d) 12; *Doidge* (1938) 375.

Doidge & van der Plank (1936) 20.

Fusarium roseum Kalchbrenner (1882 b) 27; *Sacc. Syll. Fung.* IV: 699.

sub *Fusarium granulari* Kalchbr. in museo bot. Berolini ex herb. Winter et in Herb. S.A.M.:

Wollenweber (1916) no. 313.

on *Datura Stramonium* Linn., dry stems, Somerset East, *MacOwan* 1068 (S.A.M. 35314).

isolated from

Citrus sinensis Osbeck, fruit, White River, Zebediela, Sundays River, Groot Drakenstein, Rustenburg, *Doidge*; from air in pack house, Zebediela, 28439.

Lycopersicum esculentum Mill., petioles, Gqaga, 28421.

Solanum tuberosum Linn., tubers, Ceres, *du Plessis*.

Lepidosaphes Gloveri Pack. on Citrus twigs, Chase Valley, *v. d. Plank*, 28438.

Form 2. Wollenw.

Doidge & van der Plank (1936) 20; *Doidge* (1938) 20.

isolated from

Citrus sinensis Osbeck, fruit, Groot Drakenstein, *Pickstone*, 28350, 28357; Rustenburg, *Doidge*, 28355; White River, *Doidge*.

Lepidosaphes Gloveri Pack., Chase Valley, *v. d. Plank*, 28415.

Form 6. Wollenw.

Wollenweber & Reinking (1935) 78 ; Doidge (1938) 380.
on *Nomadacris septemfasciata* Serv., South West Africa, *Wollenweber*.

Fusarium Scirpi Lamb. & Fautr.

Doidge & van der Plank (1936) 20 ; Doidge (1938) 360 ; Hopkins (1938 a) 125.
isolated from

- Allium Cepa* Linn., seedlings, Pyramids, *Mogg*.
Antirrhinum majus Linn., stems, Wepener, *Wager*.
Arachis hypogaea Linn., pods, Pretoria, *F. du Toit*.
Callistephus chinensis Nees, stems, Pretoria, *Wager* ; Hennops River, *Havenga*.
Carica Papaya Linn., fruit, Buffelspoort, Warmbaths.
Centaurea Cyanus Linn., stem, Johannesburg, *Wager*.
Citrus Limonia Osbeck, roots, Elandshoek, *Simmonds*, 28411 ; Bonnievale, *v. d. Hoek*, 28430.
Citrus maxima Merr., bark, Patentie.
Citrus nobilis Lour. var. *deliciosa* Sw., twig, East London, *Turner*.
Citrus sinensis Osbeck, fruit, Zebediela, Rustenburg, Groot Drakenstein, Mudén, *Doidge* ; bark, Godwan River, *v. d. Plank* ; Letaba Estates, *Matthew*.
Crotalaria juncea Linn., stems, Pretoria, *F. du Toit*.
Cucumis sativus Linn., fruit, Nelspruit, *Wager* ; stems, Port Elizabeth, *Haines*.
Cucurbita Pepo Linn., fruit, Irene, *Bottomley*.
Dianthus caryophyllus Linn., stems, Golden Valley, Cape, *Wager* ; Pretoria, *Wager*, 28424 ; Hartebeestpoort ; Duivelskloof, *Wager*.
Eleusine indica Gaertn., stems, Acton Homes, *L. A. Doidge*.
Euphorbia crassipes Marloth, stems, Willeston.
Kentia sp., stem, Uitenhage.
Lathyrus odorata Linn., Pretoria, *Doidge*.
Limonium sp., Nelspruit, *Wager*.
Lychnis viscosa Linn., Pretoria, *Doidge*.
Lycopersicum esculentum Mill., stems, Windhoek, *Wager* ; petioles, Gqaga ; stems, Karino, *Wager*, 28432 ; blossom end rot of fruit, Pyramids.
Matthiola incana R. Br., stem, Johannesburg, *Wager*.
Musa paradisiaca L. var. *sapientum* Kze., fruit, Agornhoek, *Boyce*.
Papaver nudicaule Linn., crown, Pretoria, *Wager*.
Phlox Drummondii Hk., stem, Pretoria, *Doidge*.
Pinus sp., seedlings, Heidelberg, 28392.
Pisum sativum Linn., stems, Carnarvon, *Wager*.
Pteridium aquilinum (L.) Kuhn, White River, *Wager*.
Pyrus malus Linn., fruit, Vereeniging, *Bottomley*.
Solanum tuberosum Linn., tubers, Pretoria.
Zea Mays Linn., roots, Shamva (Rh. 403, 421).
Icerya purchasi Maak., on *Mentha* sp., Grahamstown, *N. J. G. Smith*.
Nomadacris septemfasciata Serv., eggs, Pretoria, *Brooks*.

Var. *auminatum* (Ell. & Everh.) Wollenw.

Wollenweber (1931) 335 ; Doidge (1938) 366, 468 ; Hopkins (1938 a) 125.
Fusarium (*Fusidium*) *Aloes* Kalchbrenner & Cooke (1880) 23 ; Sacc. Syll. Fung. IV : 721 ; Wollenweber (1916) no. 167.
on *Aloe arborescens* Mill., Somerset East, *MacOwan* 1170, 1473, Kew.
isolated from

- Dianthus caryophyllus* Linn., stems, Bethlehem, Sterkstroom, Estcourt.
Nicotiana Tabacum Linn., rotting leaf, Banket (Rh. 3795).

Phaseolus sp., Mvamba.

Solanum tuberosum Linn., tubers imported from Germany.

Vitis vinifera Linn., superficial on bark, eastern Transvaal.

Zea Mays Linn., stem, Lourenço Marques, *Fuller*, 23222; Fremier Mine, *Leemann*.

Var. **compactum** Wollenw.

Doidge & van der Plank (1936) 20; Doidge (1938) 364.

isolated from

Antirrhinum majus Linn., stem, Pretoria, *Wager*.

Campanula Medium Linn., stem, Kimberley, *Wager*.

Citrus sinensis Osbeck, fruit, Rustenburg, Zebediela, Letaba, *Doidge*.

Cucumis sativus Linn., fruit, Nelspruit, *Wager*.

Lathyrus odoratus Linn., seedlings, Pretoria, *Wager*, 28416.

Limonium sp., stems, Nelspruit, *Wager*, 28377.

Matthiola incana R. Br., stem, Johannesburg, *Wager*, 28412.

Papaver Rhoeas Linn., stem., Pretoria, *Wager*, 28425.

Striga lutea Lour., stem, Ixopo, *Mack*.

Var. **filiferum** (Preuss.) Wollenw.

Wollenweber & Reinking (1935) 69; Doidge (1938) 368; Hopkins (1939 a) 21.

isolated from

Allium Cepa Linn., seedlings, Pyramids, *Mogg*, 28418.

Gossypium sp., boll rot, Gatooma, *Hopkins*.

Nomadacris septemfasciata Serv., South-west Africa, *Wollenweber*.

Fusarium semitectum Berk. & Rav. var. **majus** Wollenw.

Doidge & van der Plank (1936) 20; Doidge (1938) 353.

Fusarium incarnatum (Rob.) Sacc., Eyles (1926) 633.

isolated from

Citrus Limonia Osbeck, fruit, Sunday's River.

Citrus sinensis Osbeck, fruit, White River, Zebediela, Letaba, Sundays River, *Doidge*;
twigs, Hankey, v. d. Plank, 28400; bark, Mazoe, *Eyles*.

Dianthus caryophyllus Linn., stems, Durban, *McCLean*.

Musa paradisiaca Linn., var. **sapientum** Kze., fruit, Acornhoek, *Boyce*.

Striga lutea Lour., stems, Ixopo, *Mack*.

Glossina sp., Zululand, *Harris*, 28446.

Nomadacris septemfasciata Serv., Pretoria.

from eggs with discoloured membrane, Port Elizabeth.

Fusarium Solani (Mart.) Appel & Wollenw.

Lounsbury (1909) 43; du Plessis (1932), (1933 d) 11; Bates (1937 b) 206; Doidge (1938) 447; Hopkins (1938 a) 125, (1939 a) 13, 21, 44; Nel (1942) 107.

isolated from

Allium Cepa Linn., bulbs and stems, Stellenbosch, du Plessis (v. d. Byl 2655); Nelspruit
Wager, 28383.

Carica Papaya Linn., stem, Maritzburg, *Wager*, 28389; Malelane, *Wager*, 28374, 28375.

Citrus Limonia Osbeck, roots, Louis Trichardt; Bathurst, v. d. Plank; Hankey, v. d. Plank, 28371; Acornhoek, 28396; Tzaneen, *Wager*; Elandshoek, 28372; Coega-poort, v. d. Plank.

Citrus maxima Merr., Patientie, v. d. Plank, 28401; Coegapoort, v. d. Plank.

Citrus sinensis Osbeck, bark and roots, Letaba; Mazoe, *Bates*, 28394; Villiersdorp, 28360; fruit, Mazoe, *Bates*.

Dianthus caryophyllus Linn., stem, Pretoria, *Doidge*.

Gilia rubra Heller, stem, Acton Homes, *Doidge*.

Gladiolus sp., corm, Pretoria.

Godetia sp., roots, Salisbury (Rh. 2698).

Phaseolus vulgaris Linn., stems, Swaziland.

Solanum tuberosum Linn., tubers, Ceres, George, Paarl, Stellenbosch, *du Plessis*; Odzi (Rh. 1438).

Tropaeolum majus Linn., stems, Pretoria.

Zea Mays Linn., stem, Waterberg, *Sellschop*.

Var. *Martii* (Appel & Wollenw.) f.l. Wollenw.

Doidge & van der Plank (1936) 20; Doidge (1938) 450.

isolated from

Allium Ceba Linn., bulb, Pretoria, *Bottomley*.

Carica Papaya Linn., stems, Maritzburg, *Wager*; Buffelspoort, *Wager*, 28373; Nelspruit, *Wager*.

Centaurea moschata Linn., stems, Pretoria, *Wager*.

Citrus Limonia Osbeck, roots, Grahamstown, *v. d. Plank*, 28376; Louisvale, *Turner*, 28398; Addo, 28368; Citrusdal, *Turner*, 28369; Kakamas, *Gutsche*; Hankey, *v. d. Plank*; Kruis Rivier, *v. d. Plank*, 28397; Gamtoos Valley, *v. d. Plank*; Godwan River, *Marloth*; Swanepoelsrust, 28366; Plaston, *Esselen*; White River and Buffelspoort, *Turner*; Avonmore and Kosterfontein, ; *Esselen* Magaliesberg, *v. d. Plank*; Airlie, *v. d. Plank*; White River, *Esselen*, 28370; Ofcalaco, *v. d. Plank*; Elandshoek; Boskoppies.

Citrus maxima Merr., bark, Patientie, *v. d. Plank*.

Citrus sinensis Osbeck, bark and wood, Letaba Estates; Boschrand, *Turner*; Elandsdrift, *Turner*; Klaver, *V. A. Putterill*; Villiersdorp, 28358, 28361; Frantzina's Rust, *v. d. Plank*; fruit, Sundays River, White River, Rustenburg, Letaba, Zebediela, *Doidge*.

Delphinium cultorum Voss, crown, Pretoria, *Bottomley*; Qumbu.

Lathyrus odoratus Linn., stems of seedlings, Pretoria, *Doidge*.

Matthiola incana R. Br., stems, Uitenhage, *Wilson*; Durban, *McClellan*, 28365.

Medicago sativa Linn., stem, Pietersburg, *Wager*, 28386.

Penstemon gloxinoides Hort., stem, Pretoria.

Phaseolus acutifolius Gray var. *latifolius* Freem., Immerpan, *Sellschop*.

Phaseolus vulgaris Linn., Mvamba.

Pisum sativum Linn., stems of wilting plants.

Rheum rhaponticum Linn., crown, Balfour, Transvaal, *Wager*, 28404.

Solanum tuberosum Linn., stems, Moorddrift and Pretoria.

Tropaeolum majus Linn., stem, Pretoria, *Doidge*, 28449.

Nomadacris septemfasciata Serv., eggs, Pretoria, *Brookes*, 28364.

Var. *Martii* (Appel & Wollenw.) f. 2. Snyder.

Hopkins (1938 b) 417, (1939 a) 24.

isolated from

? *Lathyrus odoratus* Linn., stems of wilting seedlings, Salisbury, *Hopkins*.

Fusarium sporotrichioides Sherb.

isolated from

Triticum aestivum Linn., base of culm, Stellenbosch, *Gorter*, 33359.

Fusarium stilboides Wollenw.

Doidge & van der Plank (1936) 21; Doidge (1938) 391.

isolated from

Carica Papaya Linn., fruit, Bathurst.

Citrus sinensis Osbeck, fruit, White River, *Doidge*.
Coffea arabica Linn., berries, Lemana, *Watson*, 28408.

***Fusarium vasinfectum* Atk.**

Doidge (1938) 432 ; *Cardoso* (1937) 154 (1939) 44, (1945) 158.
 isolated from

Gossypium sp., stem, Mbabane, *Moore* ; Rustenburg, *Moore* ; Pietersburg, *Doidge* ;
 Kaffirskraal, *Bottomley* ; Maxixe, *Cardoso* ; Massinga, *Gomes e Souza*.
Hibiscus sabdariffa Linn., stem, Schagen, *Wager*.

Form 2. Wollenw. & Reinking

Doidge & van der Plank (1936) 21 ; *Doidge* (1938) 434 ; *Hopkins* (1938 a) 125.
 as *Fusarium vasinfectum* Atk., *Hopkins* (1930) 647, 649, (1939 a) 15.
 isolated from

Antirrhinum majus Linn., Southern Rhodesia, *Hopkins*.
Citrus Limonia Osbeck, roots, Bonnievale, *v. d. Hoek*, 28402 ; Prudential Estates, 28440.
Citrus sinensis Osbeck, bark, Grahamstown, *Jolly*, 28420 ; Letaba Estates ; roots, Villiers-
 dorp, 28359 ; fruit, Sundays River. White River, *Doidge*.
Crotalaria juncea Linn., roots, Mazoe (Rh. 758) ; Sinoia (Rh. 759).
Matthiola incana R. Br., stems, Uitenhage, *Wilson*.
Mesembrianthemum sp., stem, Pretoria, *Wager*.
Penstemon gloxinoides Hort., stem, Rhodesia, *Hopkins*.
Sesamum orientale Linn., stems, Pretoria, *F. du Toit*.

Var. *lutulatum* (Sberb.) Wollenw.

Doidge (1938) 436.
 isolated from

Centaurea moschata Linn., stems, Pretoria, *Wager*, 28405.
Lathyrus odoratus Linn., stems, Pretoria, *Doidge*.
Pisum sativum Linn., stems, eastern Transvaal, *Wager*.
 Var. *zonatum* (Sherb.) f.1. (Link & Bailey) Wollenw.
Doidge (1938) 438.

isolated from

Lycopersicum esculentum Mill., stem, Matatiele, *Wager*, 28387.

Var. *zonatum* (Sherb.) f. 2 (Link & Bailey) Wollenw.

Doidge (1938) 439.
 isolated from

Allium Cepa Linn., bulbs and leaf bases, Nelspruit, *wager*, 28384 ; Eikenhof,
Bottomley ; Pretoria, *Wager*, 28407.

***Fusarium* sp. (*Fusarium vasinfectum* Atk. prox.)**

Hopkins (1932) 465.
 on *Cyamopsis psoraleoides* DC., Southern Rhodesia, *Hopkins*.

***Fusarium* sp.**

Hopkins (1930) 524.
 isolated from
Eschscholzia californica Cham., Southern Rhodesia, *Hopkins*.

***Fusarium* sp.**

J. Phillips (1924) 289.
 on *Ocotea bullata* E. Mey., fruits, Knysna, *J. Phillips*.

STAUROSPORAE.

Tetracium rectisporum (Cooke & Mass.) Petch

on **Lepidosaphes Gloveri** Pack on *Citrus sinensis*, Maritzburg, v. d. Vyver, 26320, *Kelly*, 12175; Chase Valley, v. d. Plank, 26136; Durban, *Doidge*, 27293, *Wager*, 33497; *Gottberg*, 26698; Verulam, *Wager*, 35554; Bathurst, *Hepburn*, 35281.

Lepidosaphes pinnaeformis Bouché on *Citrus sinensis*, Maritzburg, *Fouche*, 27283; Town Bush Valley, v. d. Vyver, 26320.

Parlatoria Zizyphi Lucas on *Citrus sinensis*, Verulam, *Wager*, 35554.

DEMATIEAE.

AMEROSPORAE.

Epicoccum Chrysanthemi du Plessis

du Plessis (1933 c) 6, 11; Nel (1942) 106.

on **Chrysanthemum** sp., Paarl, *du Plessis* (Stell. 797; van der Byl 2667).

Epicoccum granulatum Lenz.

Hopkins (1930) 418.

on **Citrus sinensis** Osbeck, causing leaf spot, Rhodesia, *Hopkins*.

Epicoccum humicola (Buchanan) Sacc.

isolated from **Triticum aestivum** Mill., Stellenbosch, *Gorter*, 33364.

Epicoccum neglectum Desm.

? on **Oryza sativa** Linn., Umhlathuzi Valley, *Wager*, 33957.

Epicoccum nigrum Link.

Hopkins (1931 c) 665.

on **Gladiolus** sp., corms, Rhodesia, *Hopkins*.

Epicoccum purpurascens Ehrenb.

Hopkins (1938 a) 124, (1939 a) 22.

isolated from

Citrus nobilis Lour. var. *deliciosa* Sw., twig, East London, *Turner*, 25954.

Gossypium sp. ('yellow lint rot') Gatooma, Salisbury, Concession, *Hopkins*.
from butter showing red discolouration, Pretoria.

Hadotrichum Phragmitis Fuck.

on **Phragmites communis** Linn., Kentani, *Pegler* 2312, Kew.

Myrothecium verrucaria Alb. & Schw.

Preston (1943) 166.

isolated from

Citrus sinensis Osbeck, surface washings from fruit, Mazoe, *Bates* 162, 34013.

Papularia sphaerosperma (Fr.) v. Höhn.

Hopkins (1939 a) 33.

on **Phragmites communis** Trin., Penhalonga, *Hopkins*.

on underground mine timber, Robinson Deep (T.R.L. 347, det. Baarn).