Fungi Austro-Africani.

Autore F. de Thümen.

IV.

(Conf. Flora 1876 p. 423.)

50. *Agaricus Psathyrella subtilis* Fr. — Hymenomyc. europaei p. 316. no. 1202. —

In fimo vaccino prope Somerset-East, Promont: bonae spei Aest. 1876. Leg. P. Mac Owan. (no. 1014.)

51. *Marasmius Thwaitesii* Berk. et Br. in Journal of Linnean Society XIV p. 39. (Fungi of Ceylon.)

Ad ramulos putridos in sylvis montis „Boschberg" prope Somerset-East, Promont: bonae spei. Martio 1876. Leg. P. Mac Owan.

52. *Hypoxylon fuscum* Fr. Summ. veg. Scand. p. 384.

In virgultis deciduis semiputridis arborum variarum prope Somerset-East, Promont: bonae spei. 1876. Leg P. Mac Owan. (no. 1261.)

53. *Meliola capnodioides* Thm. nov. spec. [1])

M. acervulis epiphyllis, orbiculatis, maculaeformibus, crassis, nigris, radiantibus, tandum confluentibus; fibris vel floccis subramosis, flexuosis, brevibus, crassis, fuscis; peritheciis subglobosis, grumosis, carbonaceis; ascis clavatis, apice obtuso, basi angustato, epidermide tenui, 30 mm. long., 9 mm. crass., hyalinis; sporis 8, subclavatis vel cylindraceis, utrinque obtusatis, triseptatis, ad septas non constrictis, 11 mm. long., 3 mm. crass., hyalinis, pellucidis. — In *Plectranthi ciliati* E. Mey. foliis vivis, in sylvis prope Grahamstown, Promont: bonae spei. Julio 1876. Leg. P. Mac Owan. (no. 1259.)

54. *Meliola quinquespora* Thm. nov. spec.

M. maculis sparsis, epiphyllis, orbiculatis, radiatis, medio elevatis, solubilibus, atris; floccis erectis, crassis, polychotomis, multiarticulatis, flexuosis, fuscis, 10 mm. crass.; peritheciis subglobosis, carbonaceis; ascis ellipsoideis, utrinque rotundatis, raro curvatis, dilute fuscis, 35—38 mm. long., 10—12 mm. crass.; sporidiis 5, late ovato-ellipsoideis, utrinque obtusis, simplicibus, hyalinis, 10 mm. long., 5 mm. crass., subdiaphanis. — In foliis languescentibus *Buddleiae auriculatae* Bnth. in dumetis

1) Meliola, genus in foliis tropicis vulgatissimum, ut Erysiphes in terris temperatis! — Fries, Summa veget. Scand. p. 406!

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montis „Boschberg" prope Somerset-East, Promont: bonae spei. Aut. 1876. Leg. P. Mac Owan. (no. 1251.)

55. *Meliola microthecia* Thm. nov. spec.

M. maculis parvulis, hypophyllis vel raro amphigenis, tenuibus, orbiculatis, radiantibus, nigris, solubilibus sed adplicitis; floccis simplicibus, raro septatis, fuscis, 8 mm. crass.; peritheciis compressis, orbiculatis, carbonaceis; ascis late clavatis, basi angustatis, apice rotundatis, hyalinis, 6-sporis, hyalinis, 40 mm. long., 12—16 mm. crass.; sporidiis ovatis, 8 mm. long., 4—6 mm. crass., hyalinis. — In foliis vivis *Barosmae scopariae* Eckl. Zeyh. prope Grahamstown, Promont: bonae spei. Julio 1876. Leg. P. Mac Owan (no. 1260.) — Asci, sporidiaque non perfecte matura!

56. *Meliola Mac Owaniana* Thm. nov. spec. — Thümen „Mycotheca universalis" no. 568.

M. caespitulis epiphyllis, raro amphigenis, numerosis, saepe confluentibus, aterrimis, ex centro radiatis; peritheciis subcarbonaceis, magnis; floccis erectis, continuis, subramosis, ganglioneis, apicibus clavatis, fuscis; ascis fere pyriformibus, octisporis, hyalinis, episporio tenui, 75 mm. long., 50 mm. crass.; sporis clavatis, medio eximie constrictis, bilocularibus, parte superiore 10,5 mm. crass., parte inferiore 13 mm. crass. utrinque acutiusculis, 25 mm. long., hyalinis. — Ad *Celastri buxifollii* Lin. folia viva in dumetis montis „Boschberg" prope Somerset-East, Promont: bonae spei. Aut. 1876. Leg. P. Mac Owan. (no. 1250.)

57. *Rhytisma Melianthi* Thm. nov. spec.

R. peritheciis minoribus, epiphyllis, tandum amphigenis, dense gregariis, orbiculatis, elevatis, subcephalloideis, raro confluentibus, utrinque emersis, nitidis, aterrimis; ascis angustato-clavatis, utrinque angustatis, apice subacutata, 60 mm. long., 20 mm. crass., hyalinis; sporis 8, ellipsoideis, apicibus rotundatis, 10 mm. long., 6 mm. crass., vitreis, pellucidis; paraphysibus numerosis, filiformibus, continuis simplicibus, hyalinis, 60—80 mm. long. — In *Melianthi majoris* Lin. foliis languescentibus pr. Grahamstown, Promont: bonae spei. 1876. Leg. P. Mac Owan. (no. 1266.) — Species insignis!

58. *Puccinia Maydis* Pötsch. in Rabenh. Fungi europaei Ser. I. no. 183.

In foliis *Zeae Maydis* L., sed haud vulgaris, prope Somerset-East, Promont: bonae spei. Julio 1875. Leg. P. Mac Owan. (no. 1257.)

59. *Uredo Geranii* De C. Fl. franc. VI. p. 73.

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f. *Pelargonii alchemilloidis.*

In *Pelargonii alchemilloidis* Ait. foliis vivis prope Somerset-East, Promont. bonae spei. 1875. Leg. P. Mac Owan. (no. 1114.)

60. *Uredo semperlecta* Thm. nov. spec.

U. acervulis amphigenis, conspicuis, sparsis, elevatis, semper epidermide tectis, fuscescentibus in macula non limitata, flavida; sporis globosis, 18—22 mm. in diam., episporio obscure punctulato, laevi, tenui, dilute flavis. — In foliis vivis *Albucae aureae* Jacq. prope Somerset-East, Promont: bonae spei. Julio 1876. Leg. P. Mac Owan. (no. 1252.)

61. *Uredo lucida* Thm. nov. spec.

U. acervulis hypophyllis, sparsis vel subgregariis, vel etiam raro confluentibus, lucido-aurantiacis, liberis; sporis globosis vel ovoideo-globosis, laevibus, episporio crasso, reticulatis, 16 mm. in diam., dilute flavidis. — Ad folia viva *Rubi rigidi* Sm. in dumetis montis „Boschberg" prope Somerset-East, Promont: bonae spei. Aug. 1876. Leg. P. Mac Owan. (no. 1024.) — Fortasse fungus stylosporiferus *Phragmidii longissimi* Thm. in Flora 1875 pag. 379.

62. *Uredo transversalis* Thm. nov. spec.

U. acervulis amphigenis, sparsis, transversali-linearibus, liberis, pulchre aurantiacis; sporis globosis vel globoso-subpyriformibus, episporio crasso, hyalino, subpellucidis, 18—22 mm. in diam, dilute fulvis. — In foliis vivis *Tritoniae securigerae* Ker. prope Somerset-East, Promont: bonae spei. Julio 1876. Leg. P. Mac Owan. (no. 1254.)

63. *Helminthosporium capense* Thm. nov. spec.

H. maculas amphigenas, plus minusve orbiculatas, velutinas, nigras, adpressas, non limitatas, radiantiantes formans; hyphis simplicibus, brunneis, septatis, 7 mm. crass., continuis; sporidiis longo-clavatis, apice subacutato, basi cormoidea, angustata, quadriloculatis, ad septas non constrictis, loculis terminalibus dilutis, fuscescentibus, 35—45 mm. long., 6—9 mm. crass. — Ad folia adhuc viva *Cunoniae capensis* Bnth. pr. Grahamstown, Promont: bonae spei. 1876. Leg. P. Mac Owan. (no. 1262.)

64. *Helminthosporium capense* Thm.

f. *Osyridis compressae.*

In *Osyridis compressae* Al. De C. foliis vivis in dumetis prope Grahamstown, Promont: bonae spei. Julio 1876. Leg. P. Mac Owan. (no. 1256.)

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65. *Phoma macrothecium* Thm. nov. spec.

Ph. peritheciis amphigenis, sed praecipue epiphyllis, exsertis tuberculaeformibus, orbicularibus, epidermide expallescentia tectis, postremo liberis, atris; sporis numerosissimis, longo-ovoideis, utrinque minime acutatis, non septatis, binucleatis, interdum concatenatis, 10—12 mm. long., 3,5—4 mm. crass., hyalinis. — Ad folia viva *Vieusseuxiae grandiflorae* Eckl. (*Moraeae grandiflorae* Thnbg.) in summo montis „Boschberg" pr. Somerset-East, Promont: bonae spei. 1876. Leg. P. Mac Owan. (no. 1240.)

66. *Depazea Buddleiae* Thm. nov. spec.

D. peritheciis sparsis, erumpentibus in foliorum pagiuae superioris macula rufo-brunnea, distincta, minutis, atris; sporidiis fusiformibus, curvatis, uni-sed pro maxima parte non septatis, 20 mm. long., 6 mm. crass., hyalinis. — In foliis vivis *Buddleiae auriculatae* Bnth. in dumetis montis „Boschberg" prope Somerset-East, Promont: bonae spei, in consortione *Meliolae quinquesporae* Thm. Aut. 1876. Leg. P. Mac Owan. (no. 1251.)

Addenda nova ad Lichenographiam europaeam.

Continuatio sexta et vicesima.. — Exponit W. Nylander.

1. *Collemopsis assimulans* Nyl.

Thallus fuligineus scabridulo-opacus vel rugulosus, tenuis, areolato-rimosus; apothecia concoloria, demum lecanoroidea (latit. 0,2—0,3 millim. vel minora) et tenuiter thallino-marginatula; sporae 8nae ellipsoideae, longit. 0,009—0,012 millim., crassit. 0,007—9 millim., paraphyses vix ullae. Jodo gelatina hymenialis dilute coerulescens, dein thecae lutescentes.

Supra saxa riparia in Finlandia, Korpilahti (Norrlin.).

Facie est simul obviae *Pyrenopseos concordatulae* Nyl. in Flora 1875, p. 440, at thalli cellulae non rubricosae, sed superiores fuscescentes vel fusco-virescentes. Affinis vero est *Collemopsis Schaereri*, quae apothecia habet majora, cellulas thalli dilutiores et magis virescentes, minores etc. Epithecium lutescens.

2. *Cladonia frondescens* Nyl.

Subsimilis *Cladoniae cornucopioidi*, sed thallo foliolifero, foliolis flabellato-pinnatifidis (basi stipitata firma, laciniis ambitu

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