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Running title: “SYMBOLÆ AD FLORAM MYCOLOGICAM AUSTRALIÆ”

SYMBOLÆ AD FLORAM MYCOLOGICAM AUSTRALIÆ

Publicatæ per F. DE THUMEN.

I.

HYMENOMYCETES.

Determ.—C. KALCHBRENNER.

1. **Agaricus (Lepiota) excoriatus**, *Schff.* Fr. Hymenomyc. eur. p. 30.—Gracemere in locis aridis, leg. O’Shanesy. No. 117. Com. F. de Mueller.

2. **Agaricus (Lepiota) procerus**, *Scop.* Fr. Hymenomyc. eur. p. 29.—Rockhampton, in Queensland, in regionibus calidioribus vulgaris, leg. Thozet. Com. Müller.

3. **Agaricus (Lepiota) leontoderes**, *Berk. et Br.*, in Fungi Ceylon (Linn. Soc. Journal of Botany xi).—Gracemere in collibus aridis leg. O’Shanesy. No. 109. Com. Müller. “Cape Orange.” (Non tuto determinandus.)

4. **Agaricus (Lepiota) clypeolarius**, *Bull.* Fr. Hymenomyc. eur. p. 32.—Gracemere in terra leg. O’Shanesy. No. 111. Com. de Müller.

5. **Agaricus (Lepiota) cheimonoceps**, *Berk. et Curt.*, in Fung. Cubenses (Linn. Soc. Journal of Botany x).—Rockhampton, in Queensland, leg. Thozet. No. 691. Com. de Müller. “Cape white, stipes hollow.”

Habitus Agarici clypeolarii minoris. Pileus umbonatus, 1" latus, mollis, tomentosopulverulentus, albus. Stipes deorsum incrassatus, 1½" longus, albofurfuracens. Annulus lacerus, disprensus.

6. **Agaricus (Lepiota) granulatus**, *Fr.* Fr. Hym. eur. p. 36.—Rockhampton in Queensland, in terra, leg. A. Thozet. No. 714, 717. Com. de Müller. Specimina nimis manca.

7. **Agaricus (Omphalea [sic: Omphalia]) scyphiformis**, *Fr.* Fr. Hym. eur. p. 159.—Gracemere inter gramina pascuorum leg. O’Shanesy. No. 100. Com. de Müller. “From its pure whiteness and delicacy it appears like a little flower.”

8. **Agaricus (Pleurotus) illuminans**, *Müller.*—Rockhampton in Queensland, in ligno emortuo, leg. A. Thozet. No. 733. Com. de Müller.

Descriptioni Berkeleyi in Linn. Soc. Journal of Bot. XIII. sat convenit, sed-an [sic] phosphoreus fuerit, non constat. Specimina etiam nimis manca.

9. **Agaricus (Pleurotus) corticatus**, *Fr.* Fr. Hym. eur. p. 166.—Gracemere in truncis emortuis leg. O’Shanesy. No. 118. Com. de Müller.

Forma minor, pileo villosa, albo, annulo obliterate.

10. **Agaricus (Hebeloma) nudipes**, *Fr. Fr. Hym. eur. p. 242.*—Gracemere in terra nuda leg. O'Shanesy. No. 114. Com. de Müller. Dubius.

11. **Agaricus (Flammula) picreus**, *Fr. Fr. Hym. eur. p. 251.*—Rockhampton in Queensland, in truncis emortuis *Encephalarti Dennissonii*, leg. Thozet. Com. de Müller.

12. **Agaricus (Naucoria) anguineus**, *Fr. Fr. Hym. eur. p. 255.*—Rockhampton, in Queensland, in terra, leg. A. Thozet. No. 715, 716. Com. de Müller.

13. **Agaricus (Psathyrella) hiascens**, *Fr. Fr. Hym. eur. p. 314.*—Rockhampton in Queensland, in pascuis, leg. Thozet. No. 710. I Com. de Müller.

14. **Agaricus (Psathyrella) disseminatus**, *Pers. Fr. Hym. eur. p. 316.*—Rockhampton in Queensland, in ligno putrido, leg. A. Thozet. No. 707. Com. de Müller.

15. **Marasmius Rotula**, *Fr. Fr. Hym. eur. p. 477.*—Gracemere in terra et ligno emortuo, leg. O'Shanesy. No. 101. Com. de Müller. "Stipes black and shining."

16. **Marasmius rufo-pallidus**, *Kalchb. nov. spec.*—Gracemere in terra prope truncos, leg. O'Shanesy. No. 102. Com. de Müller.

M. pileo membranaceo, convexulo, late umbonato; umbone linea circulari terminato; striatulo, glabro, pallide rufescente (light reddish); stipite filiformi, glabro, pallido, basi mycelio albido affixo; lamellis stipitem attingentibus, subconfertis, pallidis.

17. **Marasmius rhyticeps**, *Kalchb. nov. spec.*—Rockhampton in Queensland, in sarmentis *Passiflorarum*, leg. Thozet. No. 704. Com. de Müller. (*Agaricus mniatopodius* [*sic*; *miniatopodius?*]Muller ?)

M. pileo membranaceo, hemisphærico, mox expanse, rugoso-plicato, centro leviter papillato, glabro, 2" lato, fusco-rufescente; stipite carneo, capillari, velutino, 1–1½" longo; basi institia albo-tomentoso, rufo-fusco vel sursum pallescente; lamellae 8–12, latiusculæ, ventricosæ, distantes, stipitem attingentes, albæ.

18. **Marasmius calobates**, *Kalchb. nov. spec.*—Rockhampton in Queensland, in foliis putridis *Bougainvilleæ*, leg. Thozet. No. 707. Com. de Müller.

M. pileo membranaceo, ½–1" lato, leviter, umbilicato, plicato (in siccis), ferrugineo-fuscescente; stipite corneo, fistuloso, capillari, nigricante, pro ratione longissimo 2–3", ad basin institiam glaberrimo; lamellis paucis, latiusculis, pileo pallidioribus.

19. **Marasmius aciculæformis**, *Berk. et Br. (Linn. Soc. Jour. of Botany x.)*.—Gracemere in ligno putrido, leg. O'Shanesy. No. 103. Com. de Müller.

Stipites dense cæspitosi pro hac specie characteristici sunt.

20. **Cantharellus aurantiacus**, *Fr. Fr. Hym. eur. p. 455.*—Rockhampton in Queensland, leg. A. Thozet. No. 712. Com. de Müller.

Pileo angusto, vix depresso et stipite elato a typo differt. — *Ag. Xeroto similis*.

21. **Lentinus pergamenus**, *Fr. Fr. Symb. Myc.* p. 37.—Gracemere in terra, leg. O'Shanesy. No. 112, Com. de Müller.

22. **Lentinus Lecomtei**, *Fr. Fr. Ep.* p. 388.—Gracemere in ligno emortuo, leg. O'Shanesy. No. 600. Com. de Müller. Rockhampton in Queensland, leg. Thozet. No. 721. Com. de Müller, "Crimson colour."

23. **Lenzites betulina**, *Fr. var. velutina*, *Berk. Ann. of Nat. Hist* 1843, p. 181.—Rockhampton in Queensland, leg. Thozet. Com. de Müller.

24. **Lenzites Berkeleyi**, *Lév. Ann. Sc. Nat.* 1846, V. p. 121.—Brisbane River, Queensland, leg. A. Thozet. Com. de Müller.

Albo, pileo multizonato, zonis elevatis, tomentosus. *Conf. Fr Symb. Myc.* p. 45.

25. **Hexagona Muelleri**, *Berk. Linn. Soc. Jour, of Botany XIII.*—Rockhampton in Queensland, in Eucalypto Crebra, leg. A. Thozet, No. 720. Com. de Müller. Forma minor.

26. **Polyporus vaporarius**, *Fr. Fr. Hym. eur.* p. 579.—Gracemere in ligno emortuo, leg. O'Shanesy. No. 106. Com. de Müller.

27. **Polyporus xerampelinus**, *Kalchb. nov. spec.*—Rockhampton in Queensland, in truncis, leg. A. Thozet. Com. de Müller.

E. Coriaceis, contextu colorato. P. pileis suberoso-coriaceis dense imbricatis, conchatis, villosoglabratis, zonis plurimis concentricis exaratis, purpureo-umbrinis. Contextus fulvus. Pori minimis, rotundatis, æqualibus, pileo concoloribus.

28. **Polyporus versicolor**, *Fr. Fr. Hym. eur.* p. 568.—Rockhampton and Brisbane River in Queensland, leg. Thozet. Com. de Müller. Ubique terrarum.

29. **Polyporus murinus**, *Kalchb. nov. spec.*—Rockhampton in Queensland, leg. Thozet. Com. de Müller.

E. Coriaceis, contextu albo. Pileus semiorbicularis, vel subreniformis, conchatus, vertice in stipitem spurium protractus, subtiliter tomentoso-villosus, murinus vel subolivascens, zonatus, zonis in pileo calvescente, albis. Pori minuti, perbreves, passim inæquales, albi.

30. **Polyporus hirsutus**, *Fr. Fr. Hym. eur.* p. 567.—Rockhampton in Queensland, leg. A. Thozet. Com. de Müller.

31. **Polyporus chrysoleucus**, *Kalchb. nov. spec.*—Rockhampton in Queensland, leg. Thozet. Com. de Müller.

Inodermeus, stuposus. P. pileis effuso-reflexis, imbricato confluentibus, mollibus, villosotomentosis, azonis, forma variis, circa marginem tenuem uno alteroque sulco notati. Pori mediocres, primum breves, alveolares, demum piofundiores, subrotundi, acuti vel e situ obliqui, canaliculati, ceterum integri, albido et demum ochraceo-aurei. Substantia mollis, floccoso-fomentaria, pileo prorsus concolor ochraceo-badeo.

32. **Polyporus Eucalypti**, *Kalchb.* nov. spec.—Rockhampton in Queensland, in truncis Eucalypti, leg. Thozet. Com. de Müller.

Placodermeus, e Suberosis. Pileo e carnosio suberoso, in nostro specimine deformi, tuberoso, velutino, tectu mollissimo, azono, opaco, lævi, colore peculiari ex umbrino in badio, violaceumque vibrante. Poris minutulis, rotundis, ore integris, roseo-pruinosis. substantia aquabilis, purpureo-violacea. Specimen nostrum monstrosum, sed characteres evidentes.

33. **Polyporus sanguineus**, *Mey.* Flora Essequiboensis, p. 304.—Ins. Lord Howe, leg. et com. de Müller.

34. **Polyporus salicinus**, *Fr.* Fr. Hym. eur. p. 560.—Rockhampton in Queensland, in fissuris truncorum emortuorum, leg. A. Thozet. No. 736. Com. de Müller.

35. **Polyporus leonotis**, *Kalchb.* nov. spec.—Australia (sine loco) in truncis, leg. et com. de Müller.

E. Spongiosis, Funalibus, carne colorata, juxta Polyporam Rheaden [*sic*: Rheadem] et P. leoninum collocandus. P. pileis spongioso-carnosis, imbricato-concrescentibus, plano-convexis, strigoso-hirsutis, azonis, sed nonnunquam obsolete-sulcatis, saturate ferrugineo-fulvis, margine obtusiusculo, repando. Poris minimis, rotundis, pallide cinnamomeis.

36. **Polyporus placodes**, *Kalchb.* nov. spec.—Rockhampton in Queensland, leg. Thozet. Com. de Müller.

E. Placodermeis, Lævigatis. Pileus floccoso-suberosus, utrinque applanatus, subreniformis, tenuis, rigidus, leviter concentrice sulcatus, sublaccatus, verrucis multis obsitus, rufescenti ochraceus, intus obscurior cinnamomeo-umbrinus (nec fulvus); poris minimis, brevissimis, ore rotundis, integris, griseo-cinnamomeis, demum fuscidulis. Pondere levissimus; fere æneo-nitens.

37. **Polyporus chilensis**, *Fr.* Fr. Symb. Mycol. p. 63.—Rockhampton in Queensland, leg. A. Thozet. Com. de Müller.

38. **Polyporus flabelliformis**, *Klotzsch.* Fr. Epicr. p. 444.—Rockhampton in Queensland, leg. A. Thozet. Com. de Müller.

39. **Polyporus gibbosus**, *Nees.* Fr. Epicr. p. 443.—Rockhampton in Queensland, leg. A. Thozet. Com. de Müller. Certe licet stipes desit.

40. **Polyporus picipes**, *Fr.* Fr. Hym. eur. p. 534.—Gracemere in truncis putridis, leg. O'Shanesy. No. 108. Com. de Müller.

41. **Polyporus Tricholoma**, *Mntg.* Fr. Epicr. p. 431. —Gracemere leg. O'Shanesy. No. 113. Rockhampton in Queensland, leg. Thozet. No. 713. Com. de Müller.

42. **Polyporus myclodes**, *Kalchb.* nov. spec.—Gracemere, in terra ad basin truncorum, leg. O'Shanesy. Com. de Müller.

Mesopus, carnosus. P. pileo carnosio, fragili, irregulari, subrepando, profunde umbilicato, fere infundibiliformi, superficie inæquali, ruguloso, obsolete villosa, alutaceo vel pallide fuscescente. [→]

Stipite solido inæquali, obconico, in pileum dilatato, cum poris curtis, minutis, inæqualibus, albido. Caro albo. Edulis videtur (Myclos = caro vegetabilis.[]]

43. **Corticium nudum**, *Fr. Fr. Hym. eur. p. 655.*—Rockhampton in Queensland, ad corticem emortuam. Citri aurantiæ, leg. Thozet. Com. de Müller.

44. **Stereum lobatum**, *Fr. Fr. Epicr. p. 547.* —Rockhampton in Queensland, leg. A. Thozet. Com. de Müller. Forma minor.

45. **Stereum Ostrea**, *Nees. Acta Nat. Cur. XIII, Fr. Epicr. p. 547.*—Rockhampton in Queensland, in truncis, leg. Thozet. Com. de Müller.

46 **Stereum nitidulum**, *Berk. Hooker, London Journal of Botany, 1843, p. 638.*—Gracemere in terra, inter gramina, leg. O'Shanesy. No. 98. Com. de Müller.

TREMELLINI.

Determ.—C. KALCHBRENNER.

47. **Guepinia spathularia**, *Fr. Fr. Epicr. p. 566.*—Rockhampton in Queensland, in ramulis putrescentibus Citri aurantiæ, leg. A. Thozet. No. 723. Com. de Müller.

GASTEROMYCETES.

Determ.—C. KALCHBRENNER.

48. **Mutinus papuasius**, *Kalchb. nov. spec.*—Rockhampton in Queensland, in terra, leg. Thozet. No. 722. Com. de Müller.

M. peridio exteriori laxo, cum stipite gracili pallido. Receptaculo ovoideo-oblongo, sublibero, læviusculo, nigro.

49. **Scleroderma strobilinum**, *Kalchb. nov. spec.*— Rockhampton in Queensland, ad vias, leg. Thozet. No. 683. Com. de Müller.

S. peridio globoso-depresso, superius profunde areolato, rimoso et demum juxta rimas disrumpente, glabro, pallido, areolis angulatis, squamarum stroboli instar prominentibus; stipite solido, siccitate fere ligneo, deorsum attenuato. Sporarum massa a stipite distincta, cinereo-fuscens. Sporæ globosæ, verruculosæ, vix pellucidæ, nigricantes.

50. **Tulasnodea leprosa**, *Kalchb. nov. spec.*—Gracemere, in terra, locis aridis, leg. O'Shanesy. Com. de Müller.

Habitus prorsus Tulasnodeæ mammosæ, sed peridium furfure luride umbrino; demum secedente obductum. Sporæ minutæ, vix echinulatæ; cum capillitio carneo rufescentes.

51. **Bovista lilacina**, *Mntg. et Berk. Hooker, London Journal of Botany, 1845*—Rockhampton in Queensland, leg. Thozet. No. 690. Com. de Müller.

52. **Lycoperdon gemmatum**, *Batsch. El. p. 147.*—Gracemere, leg. O'Shanesy. No. 116. Com. de Müller.

53. **Lycoperdon pusillum**, *Batsch. Cont. ii. p. 123.*—Rockhampton, in Queensland, ad terram, leg. A. Thozet. Com. de Müller.

54. **Polysaccum pisocarpium**, *Fr. Fr. Syst. Myc.* iii. p. 54.— Rockhampton in Queensland, in terra, leg. A. Thozet. No. 719. Com. de Müller. Forma minor.

55. **Crucibulum vulgare**, *Tul. Ann. Sc. Nat.* 1841, i. p. 90.— Gracemere, in ramentis defossis, ramulisque dejectis. leg. O'Shanesy. No. 688. Com. de Müller.

ASCOMYCETES.

Determ.—Dr. REHM.

56. **Hypoxyton rutilum**, *Tul. Tul. Sel. Fung. Carp.* ii. p. 38.— Rockhampton in Queensland, in ligno putrido, leg. A. Thozet. No. 697. Com. de Müller.

Sporæ hyalinæ, dein fuscæ, ovals, inæquilaterales, 1–2 guttatæ 9 m.m. long, 8 m.m. crass, uniseriales, in ascis cylindræis, 75–78 m.m. longis. Paraphyses articulatae, evanidæ. Jod apicem ascorum dilute cœrulescit.

57. **Poronia Œdipus**, *Mntg. Ann. Sc. Nat.* 1855, iii. p. 114.—Gracemere, in terra, leg. O'Shanesy. No. 96. Rockhampton in Queensland, in fimo equino, leg. A. Thozet. No. 727. Com. de Müller.

58. **Xylaria polymorpha**, *Fr. Nke. Pyr. Germ.* i. p. 17.—Rockhampton in Queensland, in truncis putridis, leg. A. Thozet. Com. de Müller.

UREDINEI.

Determ.—DE THUMEN.

59. **Æcidium Ranunculacearum**, *DeC. Flore fr.* vi. p. 97. **Forma Ranunculi rivularis**.—Port Phillip in Victoria, in foliis vivis, præcipue radicalibus Ranunculi rivularis Banks. Leg. et com. de Müller.

60. **Æcidium Lobeliae**, *Thm. nov. spec.*—Colac in Victoria, in foliis, petiolisque vivis Lobeliae platycalycis F. Müll. Leg. et com. de Müller.

Æ. acervulis rotundatis vel ovatis, dense gregariis, folia, petiolesque fere occupans, ampullaceis, primo epidermide tectis, dermm [*sic*: demum?] liberis, ore cras, siusculo [*sic*: crassiusculo] laevi, elato, ochraceis; sporidiis irregulariter globosis, vel varie rotundatis, 18–22 mm. in diam., episporio puuctulato, laevi, pallide ochraceis.

USTILAGINEI.

Determ.—DE THUMEN.

61. **Ustilago urceolorum**, *Tul. Ann. Sc. Nat.* 1847, vii. p. 86.—New Zealand, in ovario Caricis sp. indeterminatae Com. de Müller.

MYXOMYCETES.

Determ.—DE THÜMEN.

62. **Arcyria punicea**, *Pers. Pers. Syn. Fung.* p. 185.—Rockhampton in Queensland, in ligno putrido, leg. Thozet. No. 699. Com. de Müller.

63. **Stemonitis fusca**, *Roth.* Roth. Flor. Germ. p. 448.—Rockhampton, in Queensland, in truncis putridis, leg. A. Thozet. No 681. Com. de Müller.

MYCELIA.

Determ.—DE THUMEN.

64. **Xylostroma Corium**, *Pers.* Pers Myc. eur. i. p. 93.—Melbourne in trunco putrido Eucalypti, leg. et com. de Müller.