









CAROLUS SPEGAZZINI

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FUNGI FUEGIANI

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*Artículo publicado en el BOLETIN DE LA ACADEMIA NACIONAL DE CIENCIAS  
DE CÓRDOBA, tomo XI, páginas 135 y siguientes*

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BUENOS AIRES

IMPRESA DE PABLO E. CONI É HIJOS, ESPECIAL PARA OBRAS

60 — CALLE ALSINA — 60

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1887



# FUNGI FUEGIANI

AUCTORE

CAROLO SPEGAZZINI

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## PRAEMONITUM.

Anni quinque, post regressum meum e peregrinatione per ultimos Americae australis fines, elapsi sunt et nunc tandem fungos observatos v. collectos publico jure facio; tempestatibus pluribus obstantibus, opus antea absolvere non potui.

Fuegia montuosa, sylvis densissimis pratisque uliginosis circumtecta, aëre humidissimo hiemeque modice algido donata, flora mycologica ditissima, typo fere gerontogeo, gaudet.

Agaricinei abundat, Cortinarii praecipue, Hygrophori, Russulae ac Lactarii tamen deficient; polyporei, Boletis exceptis, copiosissimi etiam, sed paucas exhibent species; familiae caeterae plus minusve vulgatae; inter omnes, quam maxime insignes Cyttariae, quae una cum polyporeis alimentum praecipuum incolis praebent.

Species repertas in 1200 circiter puto sed quum in Slogget bay (*Amacowáia* incolarum) naufragium passus sim, hymenomycetes arrepti, hyphomycetes distenti a fluctibus fuerunt et nunc 500 species tantum mihi publicare possibile est.

Basidiomycetum diagnoses, e descriptionibus in vivo peractis excerptae, saepe tandem, characteribus sporologicis deficientibus, determinatione dubiosae; ascomycetum specimina perplurima, notabile etiam, saepissime sterilia inventa sunt.

Opellum hoc, regionem Mycologiae fere adhuc ignotam illustrans, etiamsi summopere mancum non inutile et in spe sum Vos consueta humanitate accipietis.

CAROLUS SPEGAZZINI.

La Plata, 1 Aug. 1887.

## HYMENOMYCETEA FR.

### AGARICINEAE FR.

1. AGARICUS (*armillaria*) MELLEUS Fl. Dan. — Fr., Hym. eurp. p. 44, n. 101.

*Hab.* Ad basin truncorum subputrescentium in pratis sylvisque in *Staten island*, Mart. 1882.

*Obs.* Gregarius, rarissime tamen subconfluens, sordide melleus; pileus primo hemisphaericus, dein gradatim explanatus (4-6" diam.), postremo non rarius concavus, laevis v. praecipue in senectute ad marginem plus minusve intense striatus, sordide ceraceo-melleus, saepeque centrum versus subfuliginosus, udus subhygrophanus, siccus subsericeo-micans, in juventute non rarius minute squamuloso-punctulatus, umbone nullo, epidermide tenuissima vix perspicua; lamellae antice subattenuatae, rotundatae, postice latae (1" lat.), sinuatae, dente majusculo decurrentes, laeves, acie integrae, subdimacriae albo-ceraceae cum carne pilei continuae; stipes cylindraceus (6-7" long.  $\times$  0,5-1" crass.) vix v.



non ad tertium superum incrassatulus, superne laevis, medio saepe in juventute minute velutino-furfurellus, inferne laevis non v. vix floccoso-radicatus, colore ludens ex albo v. roseo ad melleum vergens, farctus; anulus parte tertia supera stipitis adnatus, descendens, membranaceo-subfurfurellus, facillime evanescens.

Caro pilei ad marginem nulla, dein gradatim incrassatula cum illa spitis continua, alba, in stipite fibrosa.

Sporae e globoso ovoideae, grosse 1-guttulatae, basi acute angulosae ( $6,5-7 \times 4,5-5 \mu$ ), hyalinae.

2. AGARICUS (*tricholoma*) AURATUS Fr.—Hym. eurp. p. 50, n. 122.

*Hab.* Ad dunas marittimas in *Penguin rookery* in *Staten island*, Mart. 1882.

*Obs.* Specimina senescentia sed nullo modo ab europeis recedentia.

3. AGARICUS (*tricholoma*) IAGANICUS Speg. (n. sp.)

*Diag.* Solitarius v. saepius gregarius subfasciculatusve; pileus hemisphaericus, regularis v. vix hinc inde depressulus (2,5-3" diam.) intense pulchreque castaneus, laevissimus, glaberrimus, subnitens, margine integer prominulus pallescens; lamellae confertiusculae, latiusculae, antice acutae, postice truncato-adnatae, fulvae v. pallide subferrugineae, polymacriae, acie integerrimae; stipes farctus, teres, breviusculus (5" long.  $\times$  8-10" crass.) laevissimus v. vix inferne fibrillosus, pileo concolor, sub hymenio pallidior ac incrassatulus, ad quintum superum anulato-squarrulosus, basi obscurior non v. vix turgescens. Caro succosa, hygrophana, subcastaneo-pellucida. Velum parvulum vix in juventute integrum, castaneum, fibrilloso-submembranaceum.

*Hab.* Vulgatus in pratis humosis ac in areolis ignariis prope *Ushuvaia*, Maj. 1882.

*Obs.* Sporae obovatae, superne obtuse rotundatae, inferne acutatae ( $10 \mu \times 5 \mu$ ), hyalinae, laeves.

4. AGARICUS (*tricholoma*) MAGELLANICUS Speg.—Fung. pat. n. 2.

*Hab.* In herbosis in peninsula *Ushuvaia* Maj. 1882.

5 AGARICUS (*tricholoma*) PSEUDORUSSULA Speg. (n. sp.)

*Diag.* Solitarius; pileus applanatus, centro vix depressulus, glaberrimus, laevissimus, quandoque subcinerascens quandoque rubescens, saepius tamen violascens, hinc indi maculato-pallescens, latiusculus (3,5-4" diam.), crassiuscule carnosus, rigido-fragilis, cute facile secedente tectus, margine integer, subincurvulus; lamellae albae v. subceraceo-pallescentes, crassiusculae, fragiles, monomacriae antice acutae, postice acutato-adnatae, centro latiores (1,5" long.  $\times$  0,5" lat.), carne pilei concretae, confertiusculae, acie integerrimae, obtusiusculae; stipes tereti-obclavatus, basi truncato-rotundatus, fragilis, glaberrimus, laevissimus, albus quandoque centrum versus plus minusve roseus v. violascens, fartus.

Caro pilei rigidula alba, illa stipitis flocculoso-spongiosa, candidissima.

*Hab.* In pratis nec non in sylvis in *Staten Island* et in *Voces bay*, Mart. et. Maj. 1882.

*Obs.* Stipes basi vix radicans; odor nullus v. vix farinae recentis; sapor parum manifestus subdulcis.

6. AGARICUS (*clitocybe*) DEALBATUS SOW.—Fr., Hym. eurp. p. 88, n. 260.

*Hab.* In pratis humosis inter *Port Cook* et *Port Vancouver* in *Staten island*, Mart. 1882.

*Obs.* Specimina a typo vix recedentia stipite nonnihil breviora ac crassiora.

7. AGARICUS (*clitocybe?*) FALLACIOSUS Speg. (n. sp.)

*Diag.* Solitarius v. gregarius; pileus primo hemisphaericus dein gradatim expansus applanatus, magnitudine ludens (1-3" diam.) postremo tandem concavo-revolutus, margine semper rectus, exumbonatus, glaberrimus, laevissimus, pulchre fulvo-carneus v. melleo-fulvus; lamellae subdistantes, carnosulae, rigidulae, albo-roseae, (rarius pileo concolores!), margine integerrimae, trimacriae, antice attenuato-acutatae, postice rotundato-adnatae, latiores; stipes longus rectus flexilis fistulosus fibrosulus glaberrimus laevissimus superne gradatim attenuatus, inferne incrassatulus, basi subtruncato-rotundatus, (5-8" long.  $\times$  3-4" crass.), parce albo-pruinuloso-radicatus, fusco-rubescens v. fulvo-ferrugineus.

*Hab.* Ad muscos vulgatissimus in sylvis pratisque per tota *Staten island*, Mart. 1882.

*Obs.* Caro pilei compactiuscula, tenuis, fulvo-mellea, illa stipitis fibrosula. Species primo intuitu *Ag. laccatum* Scop. in mente revocans. Sporae ovoideae (10  $\times$  6  $\mu$ ), inferne ac subinaequilateraliter acutatae, laeves, hyalinae.

Specimen pileo atrophice conico, umbonato, stipite pro ratione crasso longissimoque, colore rubescenti-carneum etiam in herbosis scopulosis *Basket island* inveni, Maj. 1882.

8. AGARICUS (*clitocybe*) TUCALA Speg. (n. sp.)

*Diag.* Solitarius, parvulus; pileus infundibuliformis (2" diam.), castaneo-fuscus, glaberrimus, laevissimus, margine rectus, acutus, integer v. vix repandulus; lamellae densiusculae strictae lineares polymacriae, acie integerrimae, utrinque attenuato-acutissimae, decurrentes, primo albescentes dein sordide carneo-fuscescentes; stipes brevis (5-10" long.  $\times$  3-4" crass.), tereti-obco-

nicus, postice attenuatus, basi rotundatus parcissimeque radicans, farctus carneo-fuscus v. melleo-fulvus. Caro in pileo tenuis, in stipite fibrosulo-compactiuscula, fusco-carnea, hygrophana.

*Hab.* In campis praecipue ad coespites *azorellarum* (*tucála* ab incolis vocatos) prope *Ushuvaia*, Maj. 1882.

9. *AGARICUS (collybia) USHUVAIENSIS* Speg. (n. sp.)

*Diag.* Pileus subhemisphaerico-explanatus (4" diam.), late grosseque umbonatus, laevissimus, glaberrimus vix udus viscosus, castaneo-fuscus v. testaceo-fuscescens, margine integer v. vix repandulus; lamelle fusco-albicantes, latae (1" lat.) polymacriae, confertiusculae, longe sinuato-adnatae, crassiuscule membranaceae, acie integerrimae, pallidiores; stipes pro ratione curtus crassusque (5-5,5" long.  $\times$  1" diam. sup. = 1,5-2" diam. inf.), vices tortus, glaberrimus, vix minutissime torto-fibrillosus, pileo concolor, superne pallidior, farctus, mycelio parco albicante ornato. Caro flaccidula, albo-fuscescens, illa stipitis fibrosula tenacella. Velum nullum.

*Hab.* In sylvis fagineis prope *Ushuvaia*, *Beagle Channel*, Maj. 1882.

*Obs.* Sub iove pluvio fungus totus subhygrophanus evadit. In senectute flaccescens ac vere foetidus. Sporae elliptico-obovatae, superne obtusae, inferne acutatae (10  $\times$  5  $\mu$ ), laeves, hyalinae.

10. *AGARICUS (mycena) CILOTUS* Speg. (n. sp.)

*Diag.* Parvulus, fulvus, puberulus, sparsus; pileus primo subhemisphaericus (2-6" diam.), margine subincurvulus, densiuscule pilosus, dein subcampanulato-expansus, subumbonatus, dense puberulus, margine acutiusculus, rectus, integer, fulvo-melleus, centro intensius coloratus; lamellae paucae distantes, postice adnato-

truncatae, non decurrentes nec sinuatae, pro ratione crassiusculae, acie integrae, albae v. perdilute fulvescentes; stipes centralis, sub pileo abrupte incurvatus, teres, exilis (5-10" long.  $\times$  0,5-1" crass.), colore pilei v. vix obscurior, in juventute pilosus, dein puberulus, basi adnatus, mycelio radiatim dilatatulo, albescente, non puberulo, compactiusculo donatus.

*Hab.* Ad caules v. ramulos *Senecionis* cujusdam emortui in marittimis prope *Chilota bay*, Jun. 1882.

11. AGARICUS (*mycena*) CAPILLARIS Schum.— Speg., Fung. pat. n. 7.

*Hab.* Ad ramulos nec non folia dejecta faginea in sylvis prope *Port S. John* in *Staten island*, Mart. 1882.

12. AGARICUS (*mycena*) EXQUISITUS Hook.— Speg., Fung. pat. n. 6.

*Hab.* Ad ramulos dejectos putrescentes *Chilotrichi amelloidis* et *Pernetiae mucronatae* in sylvis *Gabel island*, Jun. 1882.

13. AGARICUS (*mycena*?) FUNEBRIS Speg. (n. sp.)

*Diag.* Pileus hygrophanus, primo conico-campanulatus, plus minusve acute umbonatus, dein campanulato-expansus (2,5" diam.-2,5" alt.), valide umbonatus, laevissimus, glaberrimus, margine in juventute incurvulus dein rectus, repandulus, in senectute saepe fissus, non v. rarius minutissime substriatus, tenuiusculus, sordide fusco-fuligineus; lamellae polymacriae, confertiusculae, latiusculae, membranaceae, antice abruptiuscule acutato-obtusatae, medio latiores, postice attenuato-acutatae, adscendentes, non adnatae, acie integerrimae, primo albescentes dein sordide fuscae; stipes fistulosus, rectus teres (5,5-6" long.  $\times$  0,5" crass.) albus primo fuscescenti-pruinulosus, dein glabratus, hygrophanus,

tortus, basi nonnihil incrassatus in juventute furfuraceo-gossypinus, vix radicans.

*Hab.* In truncis cariosis putrescentibus in sylvis subvirginis prope *Port Cook, Staten island*, Mart. 1882.

*Obs.* Caro pilei tenuis fusca hygrophana fragilis, illa stipitis fibrosula tenacella.

14. AGARICUS (*mycena*) HIEMALIS Ošb.— Fr., Hym. eurp. p. 153.

*Hab.* Ad cortices annosas et muscosas in *Slogget bay*, Jun. 1882.

15. AGARICUS (*mycena*?) INSULARIS Speg. (n. sp.)

*Diag.* Calodon; solitarius v. gregarius, rarissime subcoespitosus; pileus glaberrimus, primo digitali-campulatus, apice obtusiusculus saepeque subumbonatus, laevissimus, hygrophanus, dein gradatim campanulatus (2" diam.), postremo subapplanato-expansus, margine integer, curvulus, in juventute stipite adpressus, epidermide non v. vix secedens, uda subviscosa; lamellae trimacriae utrinque attenuatae, majores stipite adnatae non v. vix denticulo decurrentes strictiusculae griseae acie integrae crassiusculae intensius coloratae, carne pilei connatae; stipes teres vix deorsum nonnihil incrassatus (3" long.  $\times$  1" crass.), laevissimus, fistulosus, hygrophanus, rectus v. rarius subtortus, flexilis, inferne pruinulosus v. subhirsutulus, vix radicato-adnatus. Caro pilei compactiuscula, uda subgelatinosa, lamellis stipiteque adnata.

*Hab.* Ad trancos dejectos putrescentes in pratis sylvisque *Staten island*, Mart. 1882.

*Obs.* Color pilei ad umbonem fere ligni putrescentis, peripherice ac supra lamellas intensior, cæterum cinerascens. In senectute fungus saepe totus aquose diffluit.

Species haec etiam in *Iandagaia*, *Burnt island* et *Ushuvaia* Fuegiae inventa.

16. AGARICUS (*mycena*) PSEUDOMURALIS Speg. (n. sp.)

*Diag.* Solitarius; pileus hemisphaericus (6-8" diam.), obtuse rotundatus nunquam umbonatus, glaberrimus, laevissimus, margine rectus, integer, rectus, rufescenti-ochraceus, centro obscurior, striis obscuris longis pulchre ornatus; lamellae dimacriae, distantes, subtri-gonae, antice angulato-rotundatae, postice latiuscule adnato-truncatae, acie integrae, pileo concolores v. vix pallidiores; stipes teres, rectus v. flexuosus, tenuis (1-2" diam.), pileo concolor v. rufescenti-ferrugineus, glaberrimus, laevissimus, fistulosus, basi non v. vix incrassatulus parceque albo-pruinulosus, subtomentoso-radicatus.

*Hab.* Ad muscos et ramenta putrida in sylvis prope *Port Cook* in *Staten island*, Mart. 1882.

*Obs.* Species *Ag. murali* Sw. primo intuitu simillima, plurimis notis tamen distinctissima.

17. AGARICUS (*Omphalia*) NOVISSIMUS Speg. (n. sp.)

*Diag.* Solitarius, albus, hygrophanus, parvulus; pileus explanato-expansus (5-8" diam.), margine subincurvus, centro non v. vix depressulus ac per aetatem fuscescens, glaberrimus, striis radiatis vix perspicuis ornatus; lamellae membranaceae e hyalino albae latiusculae, antice attenuato-obtusatae, deorsum adnatae ac modice acutato-decurrentes, dimacriae, acie integerrimae; stipes rectus, rigidulus, albus v. hyalino-albus, glaberri-mus, laevissimus (2-3" long.  $\times$  0,5-1" diam.), deorsum parcissime incrassatus, basique laxe strigoseque sericeo-myceliferus, innatus, fistulosus.

*Hab.* Ad lichenes nec non ramenta putrescentia non rarus in *Staten island*, Mart. 1882.

*Obs.* Species pulchella, delicatissima, pellucida, *Ag. capillari* Schum. affinis sed satis distincta.

18. AGARICUS (*omphalia*) FIBULA Bull.—Fr., Hym. eurp. p. 164, n. 567.

*Hab.* Ad truncos annosos muscosos in sylvis sub *Monte Sarmiento*, Maj. 1882.

19. AGARICUS (*pleurotus*) GOSSYPINULUS Speg.—Fung. pat. n. 11.

*Hab.* Ad truncos cariosos vetustos in *Gabel island*, *Beagle Channel*, Maj. 1882.

20. AGARICUS (*pleurotus*) AULAXINUS Mntgn.—Gay, Fl. Chil. vol. VII, p. 337.

*Hab.* Vulgatissimus ad truncos cariosos v. putrescentes *Berberidis ilicifoliae* per tota *Fuegia*, Maj. et Jun. 82.

*Obs.* Forma fuegiana a typo recedit pileo et stipite sordide albis; lamellae vere reticulato-connexae, *Favolum* pusillum mentientes, membranaceae, albae; sporaе globoso-ovoideae, inferne acutato-subapiculatae ( $6 \times 5 \mu$ ), granuloso-farctae, hyalinae.

21. AGARICUS (*pleurotus*) APPLICATUS Batsch.—Fr., Hym. eurp. p. 180, n. 635.

*Hab.* Ad ramos denudatos putrescentes *Fagi betuloidis* in *Staten island*, Mart. 1882.

22. AGARICUS (*pleurotus*) MINUSCULUS Speg. (n. sp.)

*Diag.* Pusillus, solitarius; pileus dimidiatus (2-4<sup>'''</sup> diam.) antice obtuse rotundatus, postice subtruncato-cordiformis ac abrupte in stipite productus, laevissimus, glaberimus ex albo hyalinus centro saepe roseus; lamellae 2-macriae, strictae, crassiusculae, simplices, subdistantes, utrinque acutatae, non decurrentes ex albo roseolae; stipes brevis (1-2<sup>'''</sup> long.  $\times$  0,5<sup>'''</sup> crass.) teres, glaber, laevis.



*Hab.* Ad ramos emortuos *Mayteni magellanic*i in sylvis *Gabel Island*, Maj. 1882.

*Obs.* Species primo intuitu facillime pro *Ag. dictyorrhizo* Fr. sumenda. Sporae obovatae, antice obtuse rotundatae, postice acutatae (6-7  $\times$  2  $\mu$ ), laeves, hyalinae.

23. AGARICUS (*pholiota*) SUBFLAMMANS Speg.—Fung. pat. n. 14.

*Hab.* Ad truncos cariosos vetustos muscosos *Berberidis ilicifoliae* vulgatissimus per *Fuegia* tota, Maj. et Jun. 1882.

24. AGARICUS (*pholiota*) PUMILUS Fr.—Hym. eurp. p. 226, n. 228.

*Hab.* Vulgatus inter muscos in sylvis prope *Port Cook* in *Staten island*, Mart. 1882.

*Obs.* Species ut videtur summopere variabilis, colore, statura nec non crassitudine partium.

25. AGARICUS (*Inocybe*) FUEGIANUS Speg. (n. sp.)

*Diag.* Solitarius, majusculus; pileus primo hemisphaericus dein plano-expansus (6" diam.), non umbonatus, saepe centro non v. vix depressus ac sublaevis, caeterum densiuscule villosulo-papillosus, castaneus v. fusco-fuligineus, margine integer repandus undulatusve; lamellae latiusculae (1" lat.), membranaceae, subdistantes, antice attenuato-acutatae, postice sinuato-adnatae, griseo-fuscescentes, polymacriae, acie integerrimae; stipes curtus ac crassus (5" long.  $\times$  1" crass. sup. — 2" crass. inf.), laevis v. longitudinaliter fibrillosus, rectus, ex albo fusco-fuligineus, non v. vix cavus, basi validiuscule incrassatus lateque myceliferus. Caro alba, compactiuscula, vix in stipite subtenax. Velum nullum.

*Hab.* Rarissime in sylvis fagineis prope *Ushuvaia*, *Beagle Channel*, Maj. 1882.

*Obs.* Species notis nonnullis *Psilocybibus* accedens, *Ag. caesariato* Fr. summopere affinis sed toto coelo abhorrens. Sporae ellipticae v. subovoideae, utrinque obtusiusculae (10-12  $\times$  5-6  $\mu$ ) laeves, ferrugineae.

26. AGARICUS (*hebeloma?*) NAUFRAGUS Speg. (n. sp.)

*Diag.* Pileus e membranaceo-carnosus, grosse obtuseque umbonatus, primo subcampanulatus, dein expansus (3-5" diam.), glaber laevis viscidus v. subvernicosus, margine substriatus, repandulus saepeque fissus v. sublobato-contortus, sordide terreus; lamellae crassiusculae, subdistantes, antice obtusiusculae, postice sinuatae ac plus minusve adnatae, pileo concolores v. pallidiores; stipes curtus, crassus fere obclavatus (3-4" long.  $\times$  1-1,5" crass.), late fistulosus, carnosus-tenacellus, teres sed saepe e latere compressus non v. vix subtortus, albescens, apice minutissime evanescenti-pruinulosus, basi rotundatus non v. vix radicans.

*Hab.* Inter muscos in sylvis ac in pratis sub nive prope *Slogget bay*, Jun. 1882.

*Obs.* Species, statura excepta, *Ag. magnimamma* Fr. summopere affinis sed certe ab ea distincta.

27. AGARICUS (*flammula*) STATUUM Speg. (n. sp.)

*Diag.* Sapineus v. peregrinus; pileus primo hemisphaerico-expansus, obtusus, exumbonatus, dein gradatim expansus, postremo infundibuliformis (6-7" diam.), ferrugineo-fuscus v. badius, centro leviusculus v. papilluloso-araneosus v. subvelutinus, caeterum grosse denseque squamosus, squamis fimbriato-laceris, margine udus rectus, siccus autem subfissus ac subinvolutus; lamellae utrinque attenuato-acutatae, submonomacriae, longiusculae, postice attenuato-decurrentes, primo albae integrae dein croceo-cinnamomeae, lacero-fissae v. undulatae, discretae; stipes crassiusculus, mediocris

(5-6" long.  $\times$  1" crass. sup. = 1,5" crass. inf.), pileo concolor, laevis v. longitudinaliter (per aetatem?) rugulosus, densiuscule pubescenti-v. velutino-cinnamomeus, abrupte truncato-adnatus. Caro pilei stipitisque fulvo-aurantia, mox putrescens, foetidula. Velum nullum.

*Hab.* Ad truncos fagineos in sylvis prope *Hoppner harbour* in *Staten island*, Mart. 1882.

*Obs.* Species perpulchra, distinctissima, rara. Sporae ovato-ellipticae, inferne non v. vix inaequilateraliter acutato-apiculatae (9-10  $\times$  4-5  $\mu$ ), pulchre ferrugineo-aurantiae, laeves.

28. AGARICUS (*naucoria*?) PUELLULA Speg. (n. sp.)

*Diag.* Solitarius v. hinc inde 2-3-gregarius, totus ex albo ceraceo-subvirescens; pileus primo campanulatus v. subdigitaliformis obtusissime subumbonatus, margine incurvulus, centro glaber margine subaraneosus, dein gradatim convexo-explanatus (3-4" diam.) plus minusve umbonatulus, pallide sordideque ceraceo-melleus, centro vix intensius coloratus, udus hygrophanus viscidulus, siccus laevissimus extrius glabratus v. subaraneosus; lamellae tenues, subdimacriae, sinuato-adnatae, antice strictiores, pilei carne concretae, acie integrae, primo albae dein sordide e fusco virescentes; stipes teres, tenuis (3-4" long.  $\times$  0,5" crass.), rectus, fibrosulus, fistulosus, subrufescenti-ceraceus, albo-pruinulosus, saepe basi hispidulus ac subtomentosulo-myceliferus, parce radicans.

Caro pilei tenuiuscula per totum pileum expansa alba, compactiuscula, illa stipitis fibrosula fuscescens, tenax.

*Hab.* Inter muscos hepaticasque in pratis atque sylvis in *Staten island*, Mart. 1882.

*Obs.* Specimen etiam in *Basket island* (9 Maj. 82) hujus

speciei inveni, vix a typo recedens statura paululo majore, lamellisque e fuscescenti-fulvis ad ochraceum vergentibus. Pluribus characteribus haec species *Ag. scambo* Fr. accedens. Sporae non visae; cystidia lanceolato-clavata, apice acutissima, in parte supera rugoso-verruculosa ( $50-60 \times 10-12 \mu$ ), hyalina.

29. AGARICUS (*galera*) PSEUDOTENER Speg. (n. sp.)

*Diag.* Pileus tenuis, primo campanulato-acutatus, margine subincurvus; dein gradatim expansus (1-2" diam.), centro semper acute umbonatus, glaberrimus, laevissimus, fulvescenti-melleus, medio ac super lamellas obscurior, praecipue in senectute (ac facile striatus visus); lamellae pileo concolores, utrinque obtusiuscule attenuato-acutatae, dimacriae, acie integrae, deorsum acutato-subsinuatae; stipes teres (3-3,5" long.  $\times$  2" crass.), late fistulosus, rectus v. flexuosus, glaber, laevis, pileo concolor, fragilis, deorsum parum incrassatus, non v. vix pruinuloso-radicatus.

*Hab.* Ad muscos folia ramentaque putrida in sylvis uliginosis, *Staten island*, Mart. 1882.

*Obs.* Pileus et lamellae tenui-membranacea, subhygrophana. Species *Ag. tener* Schaeff. peraffinis, pileo acuto praecipue recedens.

30. AGARICUS (*galera*) TENER Schaeff. — Speg., Fung. pat. n. 18.

*Hab.* Non rarus in herbosis in *Staten island* et prope *Ushuvaia*, Mart. et Maj. 1882.

31. AGARICUS (*tubaria*) PRIVIGNUS Speg. (n. sp.)

*Diag.* Pileus primo conico-subcampanulatus, dein subapplanato-expansus (0,5-1" diam.), rarius subconcavus, laevissimus, glaberrimus, crassiuscule membranaceus, fulvo-v. rubro-cinnamomeus saepeque ferrugineo-au-

rantius, margine rectus, acutus; lamellae strictissimae polymacriae, antice acutatae, postice subattenuato-truncatae, adnatae, non decurrentes, pileo concolores v. vix pallidiores; stipes longissimus (5-6" long.  $\times$  2-4" diam.), sursum sensim attenuatus, rectus v. rarius vicies tortus, fibrosulus, substriatus v. laevis, glaberrimus, tenax, basi subincrassatulus, obtusus, pileo concolor. Sporae ovoideo-v. elliptico-subglobosae (9-10  $\times$  6-7  $\mu$ ), laeves, ferrugineae inferne non v. vix acutatae.  
*Hab.* Ad *Sphagna* in paludosis insulae *Staten* et per *Fuegia* tota, aest. et hiem. 1882.  
*Obs.* Species *Ag. paludoso* Fr. nec non *Ag. stagninus* Fr. peraffinis sed satis riteque distincta.

32. AGARICUS (*crepidotus*) BRUNSWICKIANUS Speg.—Fung. pat. n. 19.

*Hab.* Ad truncos dejectos putrescentes *Mayteni magellanicae* in *Onnivaia* sub *M. Darwin*, Jun. 1882.

33. AGARICUS (*crepidotus*) FORSTERI Speg. (n. sp.)

*Diag.* Solitarius; pileus applanatus (10-12" diam.), margine rectus, tenui membranaceus, glaberrimus, laevis, non v. vix ambitu irregulariter sulcatus, subhygrophanus, pallidissime sordideque fulvo-griseus; lamellae confertiusculae, planae, dimacriae, tenui-membranaceae, utrinque acutae, stipite subadnatae, acie integrae, rectae, fusco-fuligineae; stipes parvulus, teres (5" long.  $\times$  0,5-1" crass.), leniter excentricus, incurvus, tenuis, glaber, laevis, fusco-fuligineus, insititio-adnatus, vix ima basi anulatim pruinulosus.

*Hab.* Ad folia culmosque putrescentia *Poae Forsteri* in scopulis ad ostia *Port Cook*, *Staten island*, Mart. 1882.

*Obs.* Pileus e latere saepius emarginatus v. subabortivus; species pulchella, tenacella, fuscescens mox dignoscenda.

34. AGARICUS (*stropharia*) STERCORARIUS Fr. — Speg.,  
Fung. pat. n. 21.

*Hab.* In fimo vaccino putrescente in pratis prope *Ushuvaia*, Maj. 1882.

35. AGARICUS (*hypholoma*) APPENDICULATUS Bull.— Fr.,  
Hym. eurp. p. 296.

*Hab.* Ad truncos vetustos putrescentes ad marginem  
sylvarum in *Ushuvaia*, *Beagle Channel*, Maj. 1882.

*Obs.* Pileus primo ovatus, obtusus, ambitu repandus,  
stipite adpressus, griseo-fuscus, glaberrimus, margine  
tela albicante appendiculatus; stipes pro ratione curtus,  
crassus, fistulosus.

36. AGARICUS (*psilocybe*) COPROPHYLUS Bull.— Fr., Hym.  
eurp. p. 299, n. 1130.

*Hab.* In fimo viccino vetusto in pratis prope *Ushuvaia*,  
Maj. 1882.

*Obs.* Mediocris, solitarius v. saepius 3-12 laxe gregarius;  
pileus hemisphaericus, varie ac plus minusve undulatus  
depressusve, laevissimus, glaberrimus, non v. vix ob-  
tusissime umbonatus castaneus v. testaceus, udus am-  
bitu plus minusve evidenter striatus; lamellae cras-  
siusculae, subdistantes, latiusculae, polymacriae, in  
juventute pileo pallidiores, in senectute fusco-lividae,  
antice obtuse acutatae, postice latae truncatae, adnatae,  
denticulo subdecurrentes (rarius subsinuatae), acie  
integrae, crassiusculae; stipes farctus, rectus v. flexuo-  
sulus, teres plus minusve elongatus, pileo concolore,  
laevissimus, glaberrimus, basi mycelio late expanso,  
albescente ornatus. Caro pileo concolor, succoso-  
flaccida.

Forma fuegiana a typo ut videtur nonnihil recedens.  
Sporae ellipticae v. ovoideae ( $18 \times 10 \mu$ ), utrinque  
acutiusculae, laeves, sordide fusco-ferrugineae.

37. AGARICUS (*paneolus*) PAPILIONACEUS Fr.—Speg., Fung. pat. n. 24.  
*Hab.* Vulgatissimus in fimo vaccino prope *Ushuvaia* et in fimo *Aucheniae guanaci* in *Slogget bay*, Maj. et Jun. 1882.
38. COPRINUS (*veliformis*) FLOSCULUS Berk.  
*Hab.* In fimo vetusto putrescente *Aucheniae guanaci* in sylvis prope *Slogget bay*, Jun. 1882.
39. COPRINUS (*veliformis*) LEVIPES Speg.—Fung. arg. pug. IV, n. 28.  
*Hab.* In fimo vaccino subputrescente in pratis prope *Ushuvaia*, Maj. 1882.
40. COPRINUS (*pelliculosus*) TRUNCORUM Schaeff. — Speg., Fung. arg. pug. II, n. 9.  
*Hab.* Ad truncos cariosos putrescentes in sylvis *Smoke island*, Jun. 1882.  
*Obs.* Specimina fuegiana a typo statura robustiore non-nihil recedunt; mycelium tabacino-gossypinum venosum longe lateque per matricem serpens.
41. COPRINUS (*veliformis*) STERCORARIUS Fr.—Hym. eurp. p. 330, n. 45.  
*Hab.* In fimo vaccino vetusto vulgatissimus prope *Ushuvaia* et *Gabel island*, Maj. 1882.  
*Obs.* Primo totus farinaceo-albus, ovato-cylindraceus, mox applanato-expansus (1<sup>m</sup> diam.) nudus griseus, centro obscurior, dense radiatim plicato-striatus; stipes brevis, albus, glaber v. farinaceo-pruinulosus.
42. CORTINARIUS (*phlegmacium*) SARMIENTI Speg. (n. sp.)  
*Diag.* Pileus primo hemisphaerico-subglobosus dein expansus (4-6" diam.), subumbonatus, margine undulatus,

acutus, rectus, integer v. repandus, laevissimus, glaberrimus, strato mucoso vestitus, centro flavus v. melleus, ambitu pallidior; lamellae trimacriae, confertiusculae, membranaceo-tenacellae, subcrassiusculae, antice attenuato-acutatae, postice truncato-rotundatae, adnatae non v. vix denticulo decurrentes, albo-subcarneae v. pallidissime subfulvae, rugulis v. appendicibus minutis verticalibus percursae; stipes validus, farctus, longiusculus, deorsum incrassatulus (5-8" long.  $\times$  1" sup. crass. = 1,5-2" infr. crass.), tereti-compressus, rectus, laevis, v. longitudinaliter minutissime fibrillosus, ex albo ceraceus v. pallide melleus, subnitens, tenacellus, ad quartum superum anulatus. Caro compactiuscula, aquosa, alba, a cute pilei nec non a lamellis facile separanda. Velum submembranaceum siccum album majusculum.

*Hab.* Inter folia sternata sub nive duo specimina frigore rigentia prope *Fiord Negri* ad basin *Montis Sarmiento* tantum inveni, Maj. 1882.

*Obs.* Species habitu *C. turмали* Fr. satis affinis; basis stipitis mycelio parco, albo, gossypino donata. Sporae elliptico-obovatae, superne acutiuscule rotundatae, inferne inaequilateraliter acutato-subapiculatae (10  $\mu$   $\times$  5-6  $\mu$ ), grosse 1-guttulatae, pallide ferrugineae, episporio laxo subimperspicueque undulato-subverruculoso.

43. CORTINARIUS (*phlegmacium*) MAGELLANICUS. Speg. —  
Fung. pat. n. 31.

*Hab.* Ad terram humosam sylvarum in *Gertrude cove* et in *Picton island*, Maj. 1882.

44. CORTINARIUS (*myxacium*) AIACAPIIAE Speg. (n. sp.)  
*Diag.* Pileus hemisphaerico non v. vix explanatus (4-5" diam.), centro plus minusve parce umbonatus, margine incurvulus, centro griseo-subrufescens, ambitu



violascens, virgatulus, crasse viscosus; stipes elongatus, teres, deorsum gradatim parceque incrassatus (7-8" long.  $\times$  8" diam. sup. = 12" diam. inf.), sub apice striatulus candidus, medio violascens, inferne sordide albus, laevis, basi obtuse rotundatus, mycelio parco hispidulo donatus; lamellae sublanceolatae, antice acutato-rotundatae, postice sinuato-truncatae adnatae, stipite tamen secedentes, acie integerrimae, primo albo-fuscae, dein subcinnamomeae. Caro primo compactiuscula, dein acquosa, subdiffuens. Velum submembranaceum, anulatum, latiusculum, ad sextum superum stipitis adfixum, plicatulum candidum.

*Hab.* Ad marginem sylvarum inter gramina in *Iandagaia*, *Beagle Channel*, Maj. 1882.

*Obs.* Totus fungus in juventute violascenti-albus, muco hyalino crasse vestitus. Sporae ellipticae, utrinque obtusiusculae (10-12  $\times$  5-6  $\mu$ ), episporio laxe minuteque asperulo, ferrugineae.

45. *CORTINARIUS (myxacium) TUNDRAE* Speg. (n. sp.)

*Diag.* Elasticus, 2-3-gregarius saepe etiam basi subconato-coespitosus; pileus primo subhemisphaerico-campulatus, e mutua pressione saepe irregulariter angulatus, margine non v. vix involutus, dein explanatus (3-4" diam.), centro nonnihil depressus, margine rectus v. incurvus (rarissime substriatus), laevissimus glaberrimus, centro plus minusve intense fuscus v. fusco-olivascens rarius fusco-violascens, caeterum pulchre castaneus, ferrugineus v. fulvus non rarius saepe ambitu griseo-violascens, in juventute v. udus viscoso-glutinosus; lamellae ferrugineae, acie integerrimae violascentes, polymacriae, subdistantes, utrinque parce subabrupteque attenuatae, non v. vix acutiusculae; stipes teretio-clavatus (apice 0,5" diam., basi 1" diam.), mediocris (3-3,5" long.) glaberrimus, laevissimus, basi incrassato-

rotundatus, ad partem dimidiam superam coeruleus, caeterum sordide albus, pruinulosus; velum e stipite descendentem-adscendens, pulchre molliterque gossypinosericum, coeruleum, saepe ob pilei viscositatem diffluentem glutinosus, mox per aetatem evanescens.

*Hab.* Inter muscos, hepaticas aliasque plantas tundrae alpinae prope *Port Cook, Staten island*, Mart. 1882.

*Obs.* Cutis pilei facile secedens; caro pilei tenuis ex albo-fuscens, parum sub sectione mutabilis, compactiuscula subexsucca; illa stipitis corticalis fibrosa tenacella violascens, interna subspongiosa alba. Odor saporque nulli.

46. *CORTINARIUS (myxacium) RUSSULARIELLUS* Speg. (n. sp.)

*Diag.* Delibutus, solitarius; pileus applanato-expansus (2,5" diam.), laevissimus, margine pulchre involutus, integer, albus, centrum versus roseo-ænocyanescens, non hygrophanus, epidermide crassiuscula facile secedente vestitus, umbone destitutus; lamellae primo albae v. ceraceae, dein pallide rubiginosae, antice attenuatae subcircinatae, medio latiores, postice subattenuatae, adnato-sinuatae, subcrassiusculae, acie minutissime denticulato-serrulatae; stipes teres (3-4" long.  $\times$  1" crass.), ad quartum superum anulo submucosofluxili aegre perspicuo donatus, albus, non bulbosus, supra anulum minute punctulato-substriatulus, caeterum laevis, apice infero obtuse rotundatus, non v. vix radicans, farctus.

Caro pilei compacta ad marginem nulla centro parce incrassatula, succosa, alba sub sectione fuscens, cum illa stipitis fibrosula continua.

Basidia clavulato-pyriformia (15-18  $\times$  5  $\mu$ ), hyalina, 3-4-sterigmatophora; spores ellipticae v. ovoideae, inferne subangulato-acutatae, dense minuteque ruguloso-verruculosae (8  $\times$  5  $\mu$ ), pulchre rubiginosae.

*Hab.* Ad terram in pratis in *Staten island* vulgatissimus,  
Mart. 1882.

47. CORTINARIUS (*myxacium*) ANTARCTICUS Speg. (n. sp.)

*Diag.* Delibutus, solitarius v. hinc inde 2-3-gregarius;  
pileus primo hemisphaerico-subglobosus, obtuse rotundatus, margine involutus, fusco-carneus, dein appllanato-expansus (4" diam.), centro vix depressus, margine prominulus obtusus, subinvolutus, centro pallide sordideque fusco-carneus, ambitu albus, laevissimus, glaberrimus, in juventute strato mucoso hyalino vestitus; lamellae candidae acie integerrimae (vix in juventute subpruinuloso-denticulatae), antice acutato-attenuatae, medio latiores, postice attenuato-rotundatae, a stipite discretae, cum pileo continuatae; stipes teres, sursum vix leniter attenuatus (5-5,5" long.  $\times$  1" crass.) deorsum attenuato-acutatus, farctus, albus, laevissimus, basi tenuiter gossypino-pruinulosus, radicans; velum mucoso-opalinum, ex apice descendens e medio ascendens ac usque ad pilei marginem productum adnatumque, per aetatem mox evanescens.

*Hab.* Inter muscos hepaticasque subinfossus in pratis uliginosis collinis v. alpinis prope *Port Cook, Staten island*, Mart. 1882.

*Obs.* Caro pilei alba, compacta, immutabilis, subtenuis centro excepto.

48. CORTINARIUS (*myxacium*) DARWINII Speg. — Fung. pat. n. 33.

*Hab.* In sylvis prope *Iandagaia* et *Ushuvaia*, Maj. et Jun. 1882.

49. CORTINARIUS (*myxacium*) TARNENSIS Speg. — Fung. pat. n. 32.

*Hab.* In sylvis inter folia putrescentia prope *Walla-mátu, Shâmmacus* et *Ushuvaia*, Maj. 1882.

50. CORTINARIUS (*inoloma*) ALBO-VIOLACEUS (Pers.) Fr. —  
Hym. eurp. p. 361, n. 95.

*Hab.* Vulgatus in pratis montanis in *Staten Island*,  
(Mart.) et rarus in montuosis *Wallalánuk* (Maj.)  
1882.

*Obs.* A typo recedit statura nonnihil majore, lamellis  
subroseis v. pallide sordideque ferrugineis, subperlatis,  
acie grosse irregulatiterque eroso-denticulatis.

51. CORTINARIUS (*dermocyste?*) DIFFICILIS Speg. (n. sp.)

*Diag.* Pileus primo hemisphaericus dein modice expla-  
natus (1,5" diam.), exumbonatus, laevis, centro glaber,  
ambitu araneoso-subsquamulosus, sordide fulvo-ceraceus  
v. dilute ochraceus; lamellae crassiusculae, albae, an-  
tice acutiuscule obtusatae, postice sinuatae v. strictissi-  
me adnato-sinuatae, 2-3-macriae, acie integrae; stipes  
cavus, teres, rectus, breviusculus pro ratione crassus  
(2" long.  $\times$  0,5" crass.), basi truncato-rotundatus, non  
v. vix araneoso-gossypinus, parcissime radicans, sor-  
dide pallideque albo-ceraceus. Caro stipitis pileique  
alba, duriuscula. Velum ab initio candidum pileo atque  
stipiti adnatum, fibroso-gossypinum, dein sordide pal-  
lescens, a stipite secedens ac squamulose v. fimbriatim  
e margine pilei pendulum.

*Hab.* Non communis inter muscos in sylvis subvirgineis  
in *Staten island*, Mart. 1882.

52. CORTINARIUS (*dermocyste*) HOOKERI Speg. — Fung.  
pat. n. 34.

*Hab.* In sylvis montanis inter *Agaia* et *Bridges fiord*,  
Jun. 1882.

53. CORTINARIUS (*dermocyste?*) STRIOLATUS Speg. (n. sp.)

*Diag.* Solitarius sed saepius subcoepitosus; pileus primo  
hemisphaerico-campanulato, margine non v. vix curvu-

lus, dein gradatim expansus (0,5-2" diam.), in senectute saepe fissus ac revolutus, medio semper plus minusve obtuse umbonatus, siccus fulvo-melleus v. fulvobadius, udus centro obscurior margine densiuscule striatus (supra lamellas), laevis, glaber, subhygrophanus; lamellae pileo concolores v. pallidiores, dimacriae, antice obtusiuscule acutatae, postice attenuato-sinuatae, medio latiores, acie integerrimae; stipes longiusculus, plus minusve gracilis (2-6" long.  $\times$  1-3" diam.), fistulosus, fibroso-tenacellus, fissilis, glaber, laevis, vix in juventute sub apice atque ad basin albo-pruinulosus. Caro fibrosula, aquosa, tenuis, hygrophana pileo concolor. Velum mox evanescens, in prima juventute margine pilei stipiteque adnatum araneoso-squamulosum, pallescens.

*Hab.* Inter muscos lichenesque vulgatissimus in *Staten island* et in *Fuegia* tota (*Hope harbour, London island, Iandagaia, Aicina, Slogget bay*), aest. et ver. 1882.

*Obs.* Sporae elliptico-ovoideae (5-7  $\times$  3-3,5  $\mu$ ), inferne angulato-acutatae, crassiuscule tunicatae, laeves, ferrugineae; basidia clavulata (20  $\times$  5  $\mu$ ), hyalina; cellulae steriles paucae; cystidia nulla.

54. CORTINARIUS (*telamonia?*) PIHIUR Speg. (n. sp.)

*Diag.* Solitarius; pileus explanatus (5" diam.), grosse umbonatus, obtusus, margine acutus, rectus integer v. rarius hinc inde fissus, glaberrimus, laevissimus, testaceo-castaneus, ambitu saepe lutescenti-fulvus; lamellae lanceolatae, latiusculae, confertiusculae, antice obtusiuscule acutatae, postice rotundato-sinuatae, pallide cinnamomeae v. fulvo-ferrugineae, polymacriae, acie integerrimae; stipes teres, vix deorsum incrassatus (6" long.  $\times$  0,5" diam. sup. = 1" diam. inf.), superne lutescenti-fulvus, inferne rufescenti-testaceus, parce

araneoso-squamulosus, farctus v. vix canaliculatus. Caro pilei albo-lutescens acquosula compactiuscula. Velum vix ad tertium inferum stipitis araneoso-squamulosum, fuscescens. Sporae ovoideae (10-14  $\times$  5-6  $\mu$ ), inferne acutatae, pallide ferrugineae, laxe minutissimeque rugulosae.

*Hab.* Rarissime ad marginem sylvarum ad oram marittimam glareosam in *Iandagaia, Beagle Channel*, Maj. 1882.

55. CORTINARIUS (*dermocyste*) HYGROPHOROIDES Speg. (n. sp.)

*Diag.* Totus aurantio-miniatus, solitarius v. binatus rarius subcoespitosus; pileus primo hemisphaericus, dein gradatim expansus, convexo-applanatus (1,5-2" diam.), exumbonatus, laevissimus glaberrimus, non hygrophanus, extrius, pulchre miniatus, margine rectus, integer, vix in senectute minutissime substriatus v. fissus; lamellae latiusculae, utrinque rotundatae, antice minores, crassiusculae, trimacriae, deorsum rotundato-adnatae non v. vix denticulo-decurrentes, acie integerrimae, ex albo aurantiae, pileo pallidiores, carne pilei concretae, illa stipitis discretae; stipes rectus (3" long.  $\times$  0,5" crass.), deorsum subbulboso-incrassatus, late fistulosus, glaberrimus, laevissimus, aurantio-miniatus ad tertium superum pallidior, basi in juventute albo-gossypino-pruinulosus, per aetatem saepius glabratus.

Caro stipitis cum illa pilei continua, ex albo aurantia.

*Hab.* Vulgatus in pratis inter muscos hepaticasque per totam *Staten island*, Mart. 1882.

*Obs.* Velum mox evanescens, in juventute margine pilei tertioque supero stipitis adnatum, lamellis concolor, gossypino-fibrosulum, siccum.

56. MARASMIUS (*rotula*) ANDROSACEUS Fr. — Hym. eurp. p. 477, n. 47.

*Hab.* Ad folia dejecta sternata *Fagi betuloidis* in sylvis, *Staten island*, Mart. 1882.

*Obs.* Pileus subconvexus (6" diam.), glaberrimus, centro umbilicatus, margine integer subrepandulus, 10-12-striatus, striis utrinque subbifidis, subcarneis, ceterum albus, tenui membranaceus; lamellae tenacellae parvulae polymacriae, longiores marginem aequantes, antice acutiusculae, postice subdilatatulae, subsinuatae, anulatim connatae, albae; stipes filiformis (3" long.  $\times$  0,5" crass.), rigidulus, erectus, fistulosus, totus castaneus, sericeo-nitens, basi incrassatulus, insititius, glaberrimus.

57. *MARASMIUS (rotula) ANDROSACEUS* Fr.  
var. *Ushuvaiensis* Speg.

*Diag.* A typo recedit statura vere majore, stipiteque brevior subflexuoso atque nonnihil crassiore. Pileus fulvo-carneus ambitu pallescens, membranaceus (1" diam.), leniter radiatim striato-plicatulus; lamellae paucae distantes, albae, saepe venoso-connexae; stipes castaneus, laevissimus (2-2,5" long.  $\times$  1-1,5" crass.).

*Hab.* In cortice putrescente truncorum in sylvis prope *Ushuvaia*, Maj. 1882.

58. *MARASMIUS (rotula) ANTARCTICUS* Speg. (n. sp.)

*Diag.* Solitarius; pileus hemisphaerico-campanulatus (5-8" diam.), non umbilicatus, candidus, tenuis subpellucidus, primo laevis, dein 16-20-sulcato-radiatus, sulcis utrinque bifidis, margine rectus, integer, acutus; lamellae tenues, dimacriae, cymbaeformes, antice acutae marginem pilei attingentes, postice rotundato-sinuatae stipite adpressae, candidae; stipes teres filiformis (3-4" long.  $\times$  0,5" crass.), glaberrimus, ad tertium superum candidus, ceterum rufescenti-castaneus, opacus, flexilis, non rigidus, basi insititius.

*Hab.* Ad ramenta putrescentia *Fagi betuloidis* prope *Port Cook* in *Staten island*, Mart. 1882.

*Obs.* An tantum *M. splachnoidis* Fr. varietas?. Hujus speciei forma nonnihil minor in *Hope harbour* (*Clarence island*) hieme etiam inventa.

59. MARASMIUS (*rotula*) SPHAERODERMUS Speg. — Fung. pat. n. 36.

*Hab.* Ad folia dejecta putrescentia *Berberidis buxifoliae* in *Aicina insula*, *Beagle Channel*, Maj. 1882.

*Obs.* In folis dejectis *Pernetiae mucronatae*, *Fagi betuloidis*, *Embotrii coccinei* nec non *Mayteni magellanicae* vulgatissima adest species, hujus forma tantum facile sed semper sterilis ac pileo deficiens.

#### POLYPOREAE Fr.

60. LASCHIA ANTARCTICA Speg. (n. sp.)

*Diag.* Pileus ex orbiculari dimidiatus, parvulus (5-10<sup>'''</sup> diam.), carnosulus (0,5<sup>'''</sup> crass.), applanato-convexus, margine integerrimus atque incurvulus, obtusiusculus, postice cordatus v. subreniformis, saepe strictissime marginatus ac depressulus, glaberrimus, laevissimus, in vivo albus, opacus, tener, in sicco contractulo-subinvolutus, spadiceus, rigidulus; stipes breviusculus (3-6<sup>'''</sup> long.  $\times$  0,4-0,7<sup>'''</sup> crass.), albus teres, apice non v. vix compressus, basi abrupte truncato-innatus non v. vix fuscens, glaber, laevis; hymenium planum, aequale, album v. pallidissime alutaceum; pori mediocres (0,2-0,4<sup>'''</sup> diam.), ore exagono-rotundati, breviusculi, dissepimentis crassiusculis acie integris donati. Basidia clavulata (25-27  $\times$  8-10  $\mu$ ), utrinque rotundata, 2-3-ste-



rigmatibus breviusculis donata, cellulis sterilibus clavulatis ( $20-24 \times 5-6 \mu$ ), parcis inmixta; cystidia majuscula, clavata ( $30-35 \times 12 \mu$ ), antice late rotundata, dense minuteque asperula, postice attenuato-pedicellata, laevia, hyalina; sporae ovatae, utrinque rotundatae ( $8 \times 5 \mu$ ), inferne minute angulato-subapiculatae, hyalinae.

*Hab.* Ad truncos ramosque emortuos *Berberidis ilicifoliae* in *Pactolus bay*, *Staten island*, Mart. 1882.

61. FISTULINA ANTARCTICA Speg. — Fung. pat. n. 46.

*Hab.* Vulgatissima in sylvis ad truncos *Fagi antarcticae* et *Fagi betuloidis* in *Staten island* et per tota *Fuegia*, aest. et hiem. 1882.

*Obs.* Species ab incolis *áman* vocata, cibum deliciosum illis praebens. Forma hiemalis saepius magnitudine vere mirabilis ac magis carnosae.

62. POLYPORUS (*pleuropus*) FUEGIANUS Speg. (n. sp.)

*Diag.* Lentus; pileus subconchatus, antice regulariter rotundatus, postice subcordato-truncatus (6-7" diam. trans.  $\times$  4-5" diam. ant.-post.), in pedicello non v. vix evoluto, crasso (1" diam.), concolore, non v. minutissime, rufo-velutinus productus, carnosulus (1-1,5" crass.), superne glaberrimus laevissimus helvolo-gilvus, inferne poris mediocribus (5" long.  $\times$  0,3-0,4" diam.), cinnamomeo-fuscis v. sordide griseis, ore rotundatis, subregularibus, dense stipatis, non decurrentibus, ambitu zona strictiuscula sterili ornatus, margine integerrimus, acutiusculus. Caro in viva sordide alba, in sicco pallidissime subspadicea, compacto-elastica, crassiuscula (2-4" crass.), hymenio arcte adnata.

*Hab.* Ad truncos *Fagi antarcticae* et *Fagi betuloidis* in sylvis prope *Ushuvaia* et *Slogget bay*, Maj. 1882.

*Obs.* Species *Polyporo vario* Fr. peraffinis et facile ejus-

dem varietatem tantum sistens. Incolae *Fuegiae* illam crudam comedunt et *pushárarum* vocant.

63. POLYPORUS (*merisma*) SULFUREUS Fr.—Hym. eurp. pag. 542, n. 67.

*Hab.* Ad truncos *Fagi betuloidis* prope *Port Cook* in *Staten island*, Mart. 1882.

*Obs.* Forma fuegiana a typo europeo nonnihil recedens. Pileus unguolato-dimidiatus, postice irregulariter adnatus, antice crassissimo, grosse obtuseque marginatus, superne laevis, vix hinc inde rugoso-scrupulosus, molli-ter subimperspicueque velutinus, azonus, ex albo pallidissime melleus, magnitudine ludens; hymenium e tubulis albis brevissimis (1-3<sup>'''</sup> long.), dense stipatis, ore minutis, rotundatis compositum. Caro pilei compac-tissima rigido-fragilis, in vivo subflocculosa, in sicco friabilis, semper candidissima.

64. POLYPORUS (*apus*) AUSTRALIS Fr. — Speg., Fung. pat. n. 37.

*Hab.* Ad truncos *Fagi antarcticae* in sylvis prope *Ushuvaia* et *Slogget bay*, Maj. et Jun. 1882.

65. POLYPORUS (*apus*) FOMENTARIUS Fr. — Hym. eurp. p. 558, n. 130.

*Hab.* Vulgatus ad truncos *Fagi betuloidis* et *Fagi antarcticae* in sylvis totius *Fuegiae*, aest. et hiem. 1882.

66. POLYPORUS (*apus*) IGNARIUS Fr. — Hym. eurp. p. 559, n. 132.

*Hab.* Non rarus in sylvis prope *Ushuvaia* et *Slogget bay*, hiem. 1882.

*Obs.* Haec species et duo praecedentes incolae *Fuegiae* *pat-áman* vocant.

67. POLYPORUS (*apus*) HISPIDUS Fr. —Hym. eurp. p. 551, n. 105.

*Hab.* Non rarus ad truncos *Fagi antarcticae* prope *Ushuvaia*, Maj. 1882.

*Obs.* Incolae hanc speciem *tacícashin-áman* vocant et illam etsi sat tenacem comedunt.

68. POLYPORUS (*apus*) ANTARCTICUS Speg. (n. sp.)

*Diag.* Inodermeus; pileus coriaceus, subtenuis, rigidulus, dimidiato-expansus, applanato-convexulus, ambitu integerrimus, acutus, non v. repandulus, postice, truncato-adnatus, plus minusve decurrenti effusus (2-3" diam. ant.-post.  $\times$  4-5" diam. trans.), superne velutino-puberulus, subvirescenti-v. fulvescenti-tabacinus, zonis strictiusculis, glabriusculis, rubescenti-testaceis v. testaceis, concentricis plus minusve dense notatus, contextu (1-2" crass.), laxe fibroso-flocculoso, albescenti-alutaceo, cute tenuissima subheterogenea arcte adnato donatus; hymenium flavescenti-fulvescens v. fulvum, e tubulis breviusculis (1-2,5" long.), intus pallidioribus stratosulis a pileo non v. vix aegre secedentibus, ore regularibus, rotundato-angulosis (200  $\mu$  diam.), dissepimentis tenuibus, acie acutis, integris laevissimis donatis eformatum.

*Hab.* Ad palos vetustos putrescentes in sylvis prope *Slogget bay*, Jun. 1882.

*Obs.* Species *Polyporo versicolori* Fr. peraffinis; an tantum forma ejusdem flavescens?

69. POLYPORUS (*apus*) VELUTINUS Fr.—Hym. eurp. p. 568, n. 170.

*Hab.* Ad truncos nec non palos vetustos in *Staten island* et prope *Ushuvaia*, Mart. et Maj. 1882.

*Obs.* Specimina fuegiana a typo nonnihil recedunt, crassi-

tudine ac rigiditate majore, pubescentia pilei minus evoluta ac margine abrupte acutato.

70. POLYPORUS (*apus*) VERSICOLOR Fr. — Speg., Fung. pat. n. 44.

*Hab.* Ad palos vetustos tuguriorum incolarum prope *Ushuvaia* in *Gertrude cove* et in *Picton island*, Maj. 1882.

*Obs.* Formas duo observavi: a) pileis glaberrimis, totis fusco-vinoso tinctis vix margine albescentibus, radiatim minute fibroso-rugulosis hymenio albo-subalutaceo; b) pileis zonatis, zonis aliis albis velutinis, aliis glabris sordide fusco-vinosis, hymenio sordide ex albo cinerascete.

71. POLYPORUS (*resupinatus*) CRUSTOSUS Speg. (n. sp.)

*Diag.* Decurrenti-effusus (20–50" diam.) margine determinatus, irregulariter repando-lobatus, non reflexus sed subliber, acutus, matrice arcte adnatus ac fere inseparabilis, in vivo coriaceo-flexilis, tenaciusculus, in sicco rigido-fragilis, tenuiusculus (0,5-1" crass.), totus intus extusque ferrugineo-testaceus v. rufescenti-tabacinus; pori totam superficiem occupantes, vix margine evanescentes ac zonam plus minusve latam et manifestam sterilem relinquentes, decurrenti-obliqui, lacero-difformes, magnitudine ludentes, dissepimentis parum elevatis, quandoque acutis, cristulatis, quandoque crassis, obtusis, integris, subpruinulosis donati.

*Hab.* Ad corticem arborum annosarum in sylvis prope *Slogget bay*, Jun. 1882.

*Obs.* Species *Polyporo obliquo* Fr. et *P. ferruginoso* Fr. affinis ac fere intermedia, ab utroque satis abhorrens ac valde variabilis.

72. POLYPORUS (*resupinatus*) MEDULLA-PANIS (Pers.) Fr. — Hym. eurp. p. 576, n. 211.

*Hab.* Ad truncos vetustos cariosos in *Staten island* prope *Port Cook*, Mart. 1882.

73. POLYPORUS (*resupinatus*) STILLICIDIORUM Speg. (n. sp.)

*Diag.* Repenti-effusus, irregulariter expansus, lobatus v. repandus, saepe superpositionis causa hinc inde pseudostratosus, margine determinatus, nec liber, nec reflexus, nec sterilis sed obtuse rotundatus, in vivo albus v. albo-subhyalinus, tenerrimus, in sicco non contractus nec diffractus, albo-pallescentis v. pallidissime rubescens, opacus, rigidus, fragilis, semper tenuiusculus (1-1,5<sup>'''</sup> crass.), contextu myceliali tenui, membranaceo cum hymenio continuo; pori recti v. vix obliqui, breviusculi (0,5-1<sup>'''</sup> long.), ore rotundis v. elongatis, minutis (150-170  $\mu$  diam.), regularibus, densissime constipatis, dissepimentis tenuibus, acie integris.

*Hab.* In stillicidiis montanis ad terram nec non cryptogamas incrustans in *Staten island*, Mart. 1882.

*Obs.* Species in vivo *Polyporo mucido* Fr. nec non *P. medulla-panis* Fr. peraffinis, sed satis ab utroque abhorrens praecipue in sicco.

74. POLYPORUS (*resupinatus*) VULGARIS Fr.—Hym. eurp. p. 577, n. 216.

*Hab.* Ad ramos dejectos corticatos v. decorticatos in sylvis prope *Ushuvaia*, Maj. et. Jun. 82.

*Obs.* Adest forma subcorticalis hinc inde per poros epidermidis erumpens, ac glomerulos candidos sparsos (3-5<sup>'''</sup> diam.), subpulvinatulos, zona plus minusve lata sterili puberulo-velutina concolore cinctos efformans; an melius forma *Polypori mollusci* Fr.?

75. POLYPORUS (*resupinatus*) VAPORARIUS Fr.—Hym. eurp. p. 579, n. 221.

*Hab.* Ad truncos nec non ramos decorticatos *Fuchsiae*

*magellanicae* et *Berberidis ilicifoliae* prope *Hope harbour* in *Clarence island*, Maj. 1882.

76. POLYPORUS (*resupinatus?*) DECORTICANS Speg. (n. sp.)

*Diag.* Tenuissimus, primo mucoso-membranaceus, continuus dein densissime porosus, poris minutissimis (150-170  $\mu$  diam.), brevissimis trama fere nulla v. vix arachnoidea insidentibus, albus in vivo, in sicco sordide pallidissimeque fulvescens, non contractus nec diffractus, sub epidermide ramorum late vageque effusus ac utrinque adnatus, per aetatem, cortice transverse fissa, nudus, ac labiis rimarum revolutis tantum adnatus.

*Hab.* Ad ramos dejectos putrescentes *Fagi betuloidis* in sylvis prope *Slogget bay*, Jan. 1882.

*Obs.* Species a genere nonnihil desciscens distinctissima, rimis epidermidis transversalibus, labiis late hiantibus ac revolutis, utrinque acutis mox dignoscenda.

HYDNEAE Fr.

77. GRANDINIA CORRUGATA Fr.— Hym. eurp. p. 625.

*Hab.* Ad ramos emortuos putrescentes *Fagi antarcticae* in sylvis in *Staten island* et in *Fuegia* prope *Ushuvaia* et *Slogget bay*, aest. et hiem. 1882.

*Obs.* A typo recedit papillis magis evolutis ac saepius obliquis. An species nova?

78. ODONTIA BARBA-JOVIS (With.) Fr.— Hym. eurp. p. 627.

*Hab.* Ad ramos decorticatos putrescentes *Fagi* cujusdam in *Skyring island*, Jun. 1882.

THELEPHOREAE Fr.

79. STEREUM DESOLATIONIS Speg. (n. sp.)

*Diag.* Pilei effuso-reflexi, conchati, latiusculi (3-5" diam. trans.  $\times$  2" diam. ant.-post.), tenues mem-

branaceo-pergamenei, rigidi, superne primo villosuli, concentricè obsolete zonati, sordide albo-canescens, per aetatem subglabrati ac pallide subtestacei, margine acuti, non v. vix repanduli, hinc inde minute fissi v. subfimbriati, hymenio lutescenti-purpurascens, azono, glabro v. basin versus subpubescente donati.

*Hab.* Ad truncos dejectos putrescentes in *Brecknok pass*, Maj. 1882.

80. STEREUM HIRSUTUM Fr.— Hym. eurp. p. 639.

*Hab.* Ad truncos vestutos putrescentes in *Staten island* et in *Fuegia*, aest. et hiem. 1882.

*Obs.* Formae fuegianaes saepius late effusae, plus minusve reflexae, hymenio quandoque rufescente quandoque ex albo-lutescente donatae.

81. STEREUM PURPUREUM Fr.— Hym. eurp. pag. 639.

*Hab.* Ad palos nec non ramos putrescentes vulgatum per *Fuegia* tota, aest. et hiem. 1882.

82. STEREUM RIGIDULUM Speg. (n. sp.)

*Diag.* Pilei tenues, pergameneo-membranacei, rigiduli, liberi (1,5" diam. trans.  $\times$  0,7-1" diam. ant.-post.), dimidiato-cordati v. cuneato-obovati, gregarii sed rarius confluentes v. connati, postice dilatatulo-adnati, non v. vix effusi, superne adpresse villosulo-hirsuti, non v. grosse obsoleteque zonati, deorsum fusco v. subtestaceo-canescens, ambitu pallidiores, margine acuti repanduli v. vix lobulati, hymenio plano, laevi, purpurascens v. livido, azono, marginem versus pallidiores, in juventute carneo-pruinuloso donati.

*Hab.* Ad ramos dejectos *Fagi betuloidis* in sylvis prope *Port Cook* in *Staten island*, Mart. 1882.

*Obs.* An huc ducendum *Ster. amoenum* Lév. (non Kalkbr.!)?

83. STEREUM RUBIGINOSUM Fr. — Hym. eurp. p. 641.  
*Hab.* Ad ramos emortuos *Fagorum* in sylvis prope *Ushuvaia*, Maj. 1882.
84. STEREUM RUGOSUM Fr.—Hym. eurp. p. 643.  
*Hab.* In sylvis per *Fuegia* tota ad ramos *Fagorum*, aest. et hiem. 82.
85. STEREUM SARMIENTI Speg. (n. sp.)  
*Diag.* Pilei solitarii v. laxe gregarii, subscutato-resupinati (1-2" diam.), ex orbiculari difformes, subliberi, reflexi, lignosi, duri crassiusculi, extus glabri sordide testaceo v. testaceo-canescens, margine parce repandulo (subcrispato in sicco) non v. vix pruinuloso, hymenio plano v. undulato in juventute pallide rufescente, carneo-pruinuloso, per aetatem stratose reviviscente, stratis inferis sordide testaceis.  
*Hab.* Ad truncos vestutos *Fagi antarcticae* sub *Monte Sarmiento* in *Fiord Negri*, Maj. 1882.  
*Obs.* Species pulchella primo intuitu pro forma senescentes *Sterei rugosi* Fr. facillime adhibenda.
86. STEREUM SERICEO-NITENS Speg. (n. sp.)  
*Diag.* Pilei sparsi v. laxe aggregati, saepe confluentes, coriacei, rigiduli, effuso-reflexi v. subcupulato-resupinati (2-3" diam.), margine acuti, superne dense laciniato-lobati, extus adpresse puberuli v. subvillosi, postice rufescenti-subtabacini, antice canescentes, sericeo-nitentes non v. vix obsolete zonati, hymenio plano v. spurie undulato v. tuberculoso lutescenti-carneo, primo parce albo pruinuloso donati.  
*Hab.* Ad truncos dejectos putrescentes *Fagorum* in sylvis prope *Ushuvaia*, Jun. 1882.
87. STEREUM TABACINUM Fr.—Hym. eurp. p. 641.



*Hab.* Ad ramos dejectos putrescentes in sylvis in *Staten island* et prope *Slogget bay*, Mart. et Jun. 1882.

*Obs.* Forma fuegiana saepius e rimis epidermidis erumpens ac adnato-effusa margine fibroso-radiata.

88. STEREUM VARIOLOSUM Speg. (n. sp.)

*Diag.* Pilei scutato-resupinati v. effusi, late arctequae matri-  
trici adnati, solitarii v. gregarii ac confluentes, am-  
bitu stricte marginato-reflexi (2-3" diam.), extus parce  
atque grosse fibroso-villosi ligneo-pallescentes v. pal-  
lide rufescentes, hymenio laevi, plano v. spurie un-  
dulato et tuberculato, azono, pallide lutescente v.  
carneo-lutescente non v. vix pruinuloso, punctis minu-  
tissimis (saepe vix lente tantum conspicuis) rufescen-  
tibus laxè adperso donati.

*Hab.* Ad truncos dejectos putrescentes in *Staten island*,  
Mart. 1882.

89. CORA? BOVEI Speg. (n. sp.)

*Diag.* Pilei densiuscule gregarii v. subimbricati, dimi-  
diato-sessiles, spathulati v. irregulariter reniformes,  
subconchati, undulato-crispati saepeque subinvoluti,  
magnitudine ludentes (1-5" diam. trans.  $\times$  1-2,5" diam.  
ant.-post.), margine integri v. repando-lobulati, obtusi,  
tenui cartilagineo-membranacei, coriacelli, superne sor-  
dide griseo-virescentes inferne cinerei, utrinque dense  
obsoleteque concentrice-fusco-zonati, primo glabri dein  
pruinulosi. Sporae non visae.

*Hab.* Vulgatissima, ramos ac muscos incrustans, in du-  
metis pratisque montanis in *Staten island*, Mart.  
1882.

*Obs.* Species pulchella, hymenio continuo (in areolas non  
diffracto) ac sterili semper inventa, contextu dense  
fibroso-chlorino donata, per exsiccatione rigido-fragilis  
ac minute denseque (sub lente) nigro-punctulata. An huc

*C. gyrolophia* Mntgn. in Gay Fl. Chil. vol. VII, p. 380  
ducenda?

90. CORTICIUM AMORPHUM Fr.— Hym. eurp. p. 648.

*Hab.* Ad ramos dejectos putrescentes in sylvis prope  
*Ushuvaia*, Jun. 1882.

*Obs.* Specimina insulae Statuum hymenio sordide alu-  
taceo-carneo, Ushuvaiensia autem hymenio purpura-  
scente donata. An species duo differentes?

91. CORTICIUM? ANTARCTICUM Speg. (n. sp.)

*Diag.* Pilei primo cupulato-erumpentes, subcampanu-  
lati, dein effuso-dilatati, plus minusve matrice arcte  
lateque adnati, ambitu liberi, reflexi (in sicco revoluti),  
saepeque confluentes, irregulariter anguloso-orbiculares  
(2-4" diam.), coriacelli, crassiusculi, extus sordide  
castanei v. subnigricanti-testacei, azoni glabri, non v.  
vix margine puberuli, acuti, sublobulato-repanduli,  
hymenio plano, subceraceo, crassiusculo, corneo, in  
juventute albo-pruinuloso, in sicco densiuscule rimulo-  
diffracto donati.

*Hab.* Ad ramos dejectos putrescentes in *Picton island*,  
Jun. 1882.

92. CORTICIUM AUBERIANUM Mont.— Fl. Cub. IX, p. 226.

*Hab.* Ad corticem truncorum viventium *Drymidis* vul-  
gatum in *Staten island*, Mart. 1882.

*Obs.* Specimina fuegiana spongiosulo-gossypina, fragilli-  
ma, candida, sterilia, facillime evanescentia.

93. CORTICIUM CALCEUM Fr.— Hym. eurp. p. 652.

*Hab.* Ad ramulos dejectos putrescentes *Fuchsiae* et  
*Berberidis* in *Hope harbour*, Maj. 1882.

94. CORTICIUM? CRISPATUM Speg. (n. sp.)

*Diag.* Pilei primo erumpentes, subcampanulati, parvuli (0,5–1" diam.), dein applanato–expansi, saepeque lineatim confluentes (3–10" long.  $\times$  1–2" lat.), matrice arcte adnati, coriacei, subcrassiusculi, rigiduli, ambitu strictiuscule liberi, reflexi (1–3"), dense grosseque lobato-repandi, lobis contractulo-crispatis, obtusiusculis, extus testacei pruinulosi v. puberuli, hymenio plano v. spurie undulato tuberculatove, in juventute albo-pallescente, dein alutaceo (in senectute subfulvescenti-rufescente), carnosio-subceraceo, in sicco non v. vix hinc inde rimuloso.

*Hab.* Ad ramos dejectos putrescentes *Fagorum* in sylvis prope *Slogget bay*, Jun. 1882.

95. CORTICIUM DIAPHANUM Speg. (n. sp.)

*Diag.* Latissime effusum, mucoso-membranaceum, pellucidum, tenuissimum, matrice laxa adhaerens, margine subdeterminatum non reflexum, hymenio vix evoluto, pulverulento-ceraceo, facillime deterrenti donatum, in sicco cartilagineum, sordide rufescenti-testaceum, irregulariter hinc inde contracto–fissum.

*Hab.* Ad lignum mucidum decorticatum *Fagorum* in sylvis, in *Staten island*, Mart. 1882.

*Obs.* Species *Corticii gigantei* Fr. peraffinis, sed certe satis distincta.

96. CORTICIUM INCARNATUM Fr.—Hym. eurp. p. 634.

var. *Antarcticum* Speg.

*Diag.* Tenuissimum, latissime incrustans, ceraceum, pallide aurantio-carneum, dense sed spurie rugulosum v. tuberculatum, in juventute albo-pruinulosum, in sicco minute laxaque rimulosum, matrici subinnatum, indeterminatum.

*Hab.* Ad ramos emortuos putrescentes *Berberidis ilicifoliae* prope *Pactolus bay* in *Staten island*, Mart. 1882.

97. CORTICIUM IAGANICUM Speg. (n. sp.)

*Diag.* Alutaceum, crassiuscule membranaceum, late effusum, matrici totum adnatum, facile tamen corii instar separabile, molle, tenacellum, margine determinatum, repandum, saepe attenuato-evanescens, non reflexum, planum, laevissimum, in sicco non v. vix hinc inde minute rimulosum, atque ambitu corrugato-subreflexum. Sporae ellipticae v. ovatae ( $5-6 \times 3-3,5 \mu$ ), hyalinae, laeves.

*Hab.* Ad ramos decorticatos putrescentes *Mayteni magellanicae* in insula *Aicina*, *Beagle channel*, Maj. 1882.

98. CORTICIUM TRIVIALE Speg. (n. sp.)

*Diag.* Crassiuscule membranaceum, planum, late effusum, laxe matrici adnatum, laeve v. spurie tuberculato-undulatum, margine non v. vix attenuatum, determinatum sed non reflexum, repandulum, lobatum, subtus intusque album, supra (hymenio) carneum v. aurantium, in juventute subpruinulosum ac mucedineo-ceraceum, siccum tenacellum, rigidulum, non rimosum vix hinc inde v. ambitu contracto-lacerum ac reflexulum.

*Hab.* Ad ligna faginea decorticata putrescentia in sylvis in *Staten island* et prope *Negri fiord* sub *Monte Sarmiento*, Mart. et Maj. 1882.

*Obs.* Species vulgata, trivialis, summopere polymorpha, saepe formam *Stereii rugosi* Fr. depauperatam simulans, sterilis, hymenio cristallis minutissimis (15-20  $\mu$  diam.) oxalati calcici dense conspersa.

99. CORTICIUM MAJUSCULUM Speg. (n. sp.)

*Diag.* Coriaceo-membranaceum, primo suborbiculare, scutato-adnatum, centro umbonatum, densiuscule gregarium, dein confluens, late effusum, matrice laxe

adnatum, margine repando-lobato, saepe reflexo, extus villosulo ligneo v. albo-fulvescente donatum, hymenio in vivo tenui, submucedineo, sordide albo, in sicco subevanescente, laevi non v. vix hinc inde scrupuloso, saepe obsoletissime denseque zonato, rimis majusculis labiis revolutis, sordide fusco ornatum.

*Hab.* Vulgatissimum ad ligna faginea putrescentia in sylvis in *Staten island* ac in *Fuegia* tota, hiem. et aest. 1882.

100. CORTICIUM MICROSCOPICUM Speg. (n. sp.)

*Diag.* Minutissimum (1-3" diam.), tenui membranaceum, coriaceum, rigidulum, subceraceum, cupulatum, scutato-adfixum, solitarium v. densiuscule gregarium saepeque confluens, margine libero acutiusculo integro reflexo extus fulvescente v. rufescente glaberrimo laevissimo, hymenio tenuissimo cinereo in prima aetate glauco-pruinuloso.

*Hab.* Ad ramos dejectos putrescentes *Fagi betuloidis* in sylvis prope *Iandagaia*, Maj. 1882.

*Obs.* Species *Calloriae epiporae* minutie et habitu similima, a genere nonnihil desciscens; an melius *Cyphella*?

101. CORTICIUM RORIDUM Speg. (n. sp.)

*Diag.* Late effusum, ceraceo-incrustans, tenue, flavescenti-album v. alutaceum, margine attenuatum repandum, lobatum, zona fibrillosa ac fimbriatula, latiuscula pallescente v. alba cinctum, hymenio in juventute sulfureo-pruinuloso, guttulis aqueis sordidis minutis insperso, laevi, plano v. spurie ruguloso-tuberculoso donatum.

*Hab.* Ad corticem truncorum *Fagi antarcticae* in sylvis prope *Slogget bay*, Jun. 1882.

102. CORTICIUM RUFO-FULVUM Mntgn. — Fr.-Epicr. p. 553.

*Hab.* Ad ramos dejectos putrescentes *Chilotrichi ameloidis* prope *Port Cook* in *Staten island*, Mart. 1882.  
*Obs.* Species pulchella, habitu et colore mox dignoscenda.

103. CORTICIUM STELLIGERUM Speg. (n. sp.)

*Diag.* Effusum, laté incrustans, vegetum contiguum, margine attenuato-submembranaceum e carneo v. cinereo-fuscescens, centro crassiusculum pruinuloso-velutinum, rufescens v. ferrugineum dense minutissimeque setulosum, setulis fuliginis, rigidulis, continuis, apice plus minusve radiato-ramulosis, ramis (20-30  $\times$  3  $\mu$ ), apice acutiusculis.

*Hab.* Ad ligna putrescentia decorticata faginea in *Staten island* prope *Port Vancouver*, Mart. 1882.

CLAVARIEAE Fr.

104. CLAVARIA PATAGONICA Speg. — Fung. pat. n. 53.

*Hab.* In pratis collinis sub arbustis prope *Ushuvaia*, Maj. 1882.

*Obs.* Specimina ushuvaiensia graciliora, magis elongata ac nonnihil viscidula.

105. CLAVARIA DELICATA Fr. — Hym. eurp. p. 670.

*Hab.* Ad truncos dejectos fagineos putrescentes in sylvis prope *Hope harbour*, Maj. 1882.

*Obs.* Forma fuegiana minuta, candida, vix ramorum apicibus fuscescentibus, acutis, deorsum subglabrata.

106. CLAVARIA? FUEGIANA Speg. (n. sp.)

*Diag.* Syncoryne; clavulae e rimis corticis erumpentes, 3-5-aggregatae, minutae, flavae, sursum obovato-spathulatae (1-2<sup>m</sup> diam.), apice obtusae non v. vix repandulae, undulato-rugosae, deorsum cuneato-attenuatae ac in stipite plus minusve evoluta (4-6<sup>m</sup> long.  $\times$  0,4-

0,5<sup>m</sup> crass.) productae, glaberrimae, laevissimae; sporae cylindratae v. suballantoideae, minutae (2,5-4 × 1-1,5 μ), utrinque obtuse rotundatae v. subtruncatae, hyalinae.

*Hab.* Vulgata ad ramos dejectos putrescentes fagorum in *Fuegia* tota, Maj. et Jun. 1882.

107. CALOCERA CORNEA Batsch. — Speg., Fung. pat. n. 54.

*Hab.* Vulgaris in truncis putrescentibus prope *Ushuvaia* et *Slogget bay*, Maj. et Jun. 1882.

108. TYPHULA CANDIDA Fr. — Hym. eurp. p. 685.

*Hab.* Ad folia dejecta putrescentia *Escalloniae serratae* prope *Penguin rookery* in *Staten island*, Mart. 1882.

#### TREMELLINAE Fr.

109. TREMELLA LUTESCENS Pers. — Speg., Fung. pat. n. 55.

*Hab.* Ad ramos dejectos putrescentes *Fagi betuloidis* prope *Port S. John* in *Staten island*, Mart. 1882.

110. TREMELLA MESENTERICA Retz. — Fr., Hym. eurp. p. 691.

*Hab.* Vulgatissima ad ramos dejectos putrescentes fagorum in *Fuegia* tota, aest. et hiem. 1882.

111. TREMELLA SORDIDA Speg. (n. sp.)

*Diag.* Crustacea; effusa, applanata, saepe plus minusve laxe spurie granulosa, matrici arcte adglutinata, subraceo-mucosa, viscosa, indeterminata, late ambiens, sordide albescens, in sicco submembranacea, rigida contracta, rimosa, sordide fusco-rufescens.

*Hab.* Ad ramos putrescentes mucidos in *Staten island* et prope *Ushuvaia*, aest. et hiem. 1882.

*Obs.* Species polymorpha sordida, nunc genere *Corticio*

nunc genere *Exidia* accedens, melius tamen inter *Tremellas* adscribenda.

112. *EXIDIA GLANDULOSA* Bull. — Fr., Hym. eurp. p. 694.  
*Hab.* Non rara ad ramos vivos v. emortuos *Chiliotrichi amelloidis* prope *Port Cook* in *Staten island*, Mart. 1882.
113. *HIRNEOLA ANTARCTICA* Speg. — Fung. pat. n. 57.  
*Hab.* Ad truncos emortuos fagineos in *Staten island* et in *Fuegia tota*, aest. et hiem. 1882.
114. *HIRNEOLA VITELLINA* Lév. — Speg., Fung. pat. n. 58.  
*Hab.* Vulgata in *Staten island* et in *Fuegia tota* ad truncos fagineos, aest. et hiem. 1882.  
*Obs.* Incolae illam comedunt et *allush* vocant.
115. *DACRYMYCES DELIQUESCENS* Fr. — Hym. eurp. p. 698.  
*Hab.* Ad palos tuguriorum in *Picton island*, in *Ushuvaia* et in *Gertrude cove*, Mart. et Jun. 1882.
116. *DACRYMYCES PROPOLOIDES* Speg. (n. sp.)  
*Diag.* Laxe gregarius, innato-erumpens, irregulariter orbiculari-ellipticus v. hysteroideus, in vivo subgelatinosus, tumidulus, succineus, in sicco depressus, margine acutiusculus, reflexulus, integer v. sublobatus, sordide fusco-olivaceus; conidia catenulata, globosa ( $2 \times 2 \mu$ ), hyalina; sporae non visae.  
*Hab.* Ad palos vetustos putrescentes fluitatos prope *Slogget bay*, Jun. 1882.  
*Obs.* Species pulchella *Propolidibus* habitu simillima.
117. *DACRYMYCES STILLATUS* Nees.—Fr., Hym. eurp. p. 699.  
*Hab.* Ad truncos decorticatos putrescentes prope *Ushuvaia*, Maj. 1882.



118. EXOBASIDIUM ANTARCTICUM Speg. — Fung. pat. n. 59.  
*Hab.* Vulgatissimum ad apicem ramulorum folia ac inflorescentias *Lebethanti americani* infestans in *Staten island* et in *Fuegia* tota aest. et hiem. 1882.

GASTEROMYCETEAЕ (Fr.) DBY.

119. SPHAEROBOLUS STELLATUS Tode — Speg., Fung. pat. n. 60.  
*Hab.* Ad tigilla faginea dejecta putrescentia prope *Ushuvaia*, Maj. 1882.
120. NIDULARIA AUSTRALIS Tul. — Mntgn., in Gay. Fl. Chil. vol. VII, p. 502.  
*Hab.* Ad frustula lignea putrescentia in sylvis prope *Penguin rookery* in *Staten island*, Febr. 1882.
121. BOVISTA ANTARCTICA Speg. — Fung. pat. n. 71.  
*Hab.* Ad terram in graminosis prope *Iandagaia*, Maj. 1882.  
*Obs.* Specimen fuegianum vere obsoletum, duplo majus, ad radicem crassam (2" long.  $\times$  2" diam.) terra infosam ac adglutinatum, sublignosam, apice subcupulato-expansam (an basis sterilis rudimentum?) reductum.
122. BOVISTA MAGELLANICA Speg. — Fung. pat. n. 68.  
*Hab.* Vulgata in graminosis apricis prope *Ushuvaia* Maj. 1882.  
*Obs.* Sporae globosae (4-5  $\mu$  diam.), papillis non v. vix manifestis, cauda praelonga (10-15  $\times$  1  $\mu$ ) recta ornatae, pallide olivaceae. Incolae cum illa fomitem parant ac *bácan* (siccum) vocant.
123. BOVISTA PACHYDERMATICA Speg. — Fung. pat. n. 72.  
*Hab.* Vulgata in collinis prope *Ushuvaia* et *Slogget bay*, Maj. et Jun. 1882.

PHYCOMYCETEAЕ DBY.

124. PERONOSPORA ALSINEARUM Casp.  
*Hab.* Ad folia viva *Cerastii arvensis?* in herbosis prope *Ushuvaia*, Maj. 1882.  
*Obs.* Specimina summopere depauperata ac senescentia sed certe hanc speciem sistentia.
125. MUCOR MUCEDO Linn.  
*Hab.* In stercore adhuc udo *Lutrae felinae* in scopulosis prope *Port Vancouver* in *Staten island*, Mart. 1882.
126. PILOBOLUS CRYSTALLINUS Tode — Speg., Fung. pat. n. 102.  
*Hab.* Vulgatus in fimo vaccino subputrescente in pratis prope *Ushuvaia*, Maj. et Jun. 1882.

HYPODERMEAE DBY.

127. USTILAGO BROMIVORA F. v. W. — Speg., Fung. pat. n. 102.  
*Hab.* In paniculis nondum evolutis *Bromi macranthi* prope *Punta anegada*, Jul. et *Bromi unioloidis* prope *Ushuvaia*, Maj. 1882.  
*Obs.* Sporae globosae v. e mutua pressione obtuse angulosae intus granulosae (an extus minutissime papillulosae?), opace fuligineae (8-12  $\times$  7-8  $\mu$ ), primo compactae dein pulverulentae.
128. USTILAGO CARPHAE Speg. (n. sp.)  
*Diag.* Sori ovaria tantum implectentes ac ea globose turgentes, mox denudati, compactiusculi, friabiles, aterrimi; sporae globosae e mutua pressione obtuse angulatae (18-20  $\mu$  diam.), laevissimae, opace atro-fuligineae, nucleo subpellucido donatae.

*Hab.* Ad spicas juveniles *Carphae schoenoidis* prope *Port Cook* in alpinis *Staten island*, Mart. 1882.

129. SOROSPORIUM ANTARCTICUM Speg. (n. sp.)

*Diag.* Sori inflorescentias nec non folia juvenilia infectantes eaque turgentes, primo compacti, duriusculi, per aetatem mucoso diffluentes, aterrimi; sporae globosae e mutua pressione obtuse angulosae (12-18  $\mu$  diam.), subopace fuligineae, laeves v. vix subrugulosae, in glomerulis (20-25 cellularibus) magnitudine ludentibus congestae.

*Hab.* Ad folia viva *Azorellae (bolacis) glebariae* in scopulis circa *Port Vancouver* in *Staten island*, Mart. 1882.

130. PUCCINIA STELLARIAE Dub. — Bot. gall. II, p. 887.

*Hab.* Ad folia viva *Cerastii* v. *Stellariae* cujusdam in umbrosis prope *Shammacus*, Maj. 1882.

*Obs.* Teleutosporae elliptico-clavulatae (38-40  $\times$  15-18  $\mu$ ), apice obtuse rotundatae v. saepe subtruncatae, medio constrictae, tenuiter tunicatae, laeves, pallide fulvae, pedicello longiusculo (30-50  $\times$  5  $\mu$ ) e hyalino fulvescente suffultae.

131. PUCCINIA COMPOSITARUM Schlecht. — Speg., Fung. pat. n. 84.

*Hab.* Ad folia viva *Clarioneae magellanicae* et *Asteris Wahlii* in alpinis *M. Buenos-Aires* ac *M. Richardsohn* in *Staten island*, Mart. 1882.

*Obs.* Glomeruli teleutosporici uredosporicis conmixti. Teleutosporae tenui tunicatae, laeves, fuligineae (40-45  $\times$  20-25  $\mu$ ); uredosporae globosae, papillulosae, fulvescentes (24-28  $\mu$ ).

132. PUCCINIA ANTARCTICA Speg. (n. sp.)

*Diag.* Sori hypophylli dense gregarii saepeque confluentes, mediocres (0,3-0,5<sup>m</sup> diam.), discoidei, compactiu-

sculi, pulvinatuli, atro-fuliginei; teleutospore ellipticae v. vix subclavulatae, tenuissime tunicatae, laevissimae, antice saepius rotundatae v. obtusissime subacutatae, medio parce constrictae, postice rotundatae v. vix attenuatae ( $50-55 \times 25-30 \mu$ ), saturate cinnamomeae, pedicello mediocri, crassiusculo ( $40-50 \times 5 \mu$ ), hyalino suffultae.

*Hab.* Ad folia viva *Berberidis dulcis* in scopulosis in *New year island*, Mart. 1882.

*Obs.* Specimina, quae sub nomine *P. berberidis* Mntgn. (Fung. arg. pug. IV, n. 59) edidi, longe abhorrent a typo nunc descripto; dubius tamen sum si haec species v. cordubensis typum montagnianum sistat.

133. PUCCINIA LUZULAE Lib.

*Hab.* Ad folia viva *Luzulae alopecuroidis* in pratis prope *Ushuvaia*, Maj. 1882.

*Obs.* Sori hypophylli, minuti, laxe gregarii, cinnamomei; teleutosporae clavulatae, apice truncate v. obtusissime rotundatae, crassissimeque tunicatae, medio non v. vix subconstrictae, postice attenuatae ( $40-50 \times 20 \mu$ ), pallide fuligineae; stipes mediocris e hyalino fuscidulus ( $30-40 \times 5 \mu$ ); uredosporae teleutosporis inmixtae e globoso ovoideae ( $25 \mu$  diam.), laeves, fulvescentes. An varietas?

134. PUCCINIA VIOLAE (Schm.) Wntr.

*Hab.* Ad folia viva *Violae magellanicae* in dumetosis prope *Port Cook* in *Staten island*, Mart. 1882.

*Obs.* Sori plus minusve dense gregarii, saepius hypophylli, maculis pallescentibus insidentes, parvuli, mox erumpenti-subpulveracei, saturate cinnamomei; teleutosporae subclavulatae, modice tunicatae ( $25-30 \times 20 \mu$ ), loculo supero brevioris crassioreque, apice saepius apiculato-umbonato, basi parcissime constrictae, loculo

infero graciliore longioreque, basi truncato ac abrupte in pedicello hyalino ( $25-30 \times 5 \mu$ ) producto. In iisdem glomerulis teleutosporiferis adsunt uredosporae globosae ( $22-24 \mu$  diam.), minute laxeque papilluloso-asperulae crassiuscule tunicatae, ut teleutosporae, pallide fulvescentes v. subcinnamomeae.

135. PUCCINIA ROSTHKOVIAE Speg. (n. sp.)

*Diag.* Sori macula fuscescente ac pallescenti-areolata insidentes, culmos saepe totos ambientes, longitudinales v. transversi saepeque confluentes, diu epidermide coriacella atque crassiuscula hinc inde frustulatim eroso-evanescente tecti, vix prominuli, pallidissime fulvescentes, magnitudine ludentes; teleutosporae ellipticae v. ovato-subclavulatae ( $30-35 \times 16-20 \mu$ ) antice rotundatae v. obtuse acutatae, modice tunicatae, medio parce constrictae, inferne subcoarctato-truncatae abrupteque in pedicello hyalino mediocri ( $40 \times 5 \mu$ ) productae, laevissimae, pallide fulvescentes, paraphysibus filiformibus aequilongis hyalinis esepatis parce obvallatae.

*Hab.* Ad culmos vivo *Rosthkoviae grandiflorae* in pratis uliginosis sub *Richardsohn mount* in *Staten island*, Mart. 1882.

*Obs.* Species pulchella distinctissima sed difficillime conspicienda v. rarissima.

136. UROMYCES ARMERIAE Lév. — Speg., Fung. pat. n. 91.

*Hab.* Ad folia viva *Armeriae andinae* prope *Port S. John* in *Staten island*, Mart. 1882.

137. UROMYCES FUEGIANUS Speg. (n. sp.)

*Diag.* Sori epiphylli, lineares, majusculi ( $2-5''$  long.  $\times$   $0,3-0,5''$  crass.), planiusculi, paralleli, primo tecti sed mox erumpenti-subsurfaceales, saturate fuliginei; teleutosporae versiformes saepius obovatae v. lanceolatae,

antice obtuse (saepeque latae ac subtruncatae) rotundatae (35-40  $\times$  30-35  $\mu$ ), non v. 1-guttulatae, superne modice incrassato-tunicatae laevissimae, intense cinnamomeae, stipite longiusculo subfulvescente (50-80  $\mu$  long.  $\times$  5-7  $\mu$  crass.) suffultae, densissime constipatae, aparaphysatae.

*Hab.* Ad folia viva *Festucae purpurascens* in *Staten island* nec non per *Fuegia tota*, aest. et vere 1882.

*Obs.* Species certe *U. cuspidato* Wintr. (Pilz. v. C. Horn. n. 1) peraffinis nisi identicus, nunquam tamen teleutosporis apice cuspidatis, et tamen ab eo recedens.

138. UROMYCES PRATIAE Speg. (n. sp.)

*Diag.* Sori sparsi, ramulicoli v. foliicoli atque amphigeni, minuti (0.3-0.5<sup>m</sup> diam.), irregulariter discoideo-angulosi, maculis carentes, diu epidermide tecti, pulverulenti, atro-fuliginei; teleutosporae ex elliptico globosae (30-35  $\times$  22-25  $\mu$ ), tunica modice incrassata donati, apice umbone crasso, subtruncato-umbilicato majusculo ornatae, inferne pedicello hyalino mox diffuente (5  $\mu$ ), ut videtur, breviusculo suffultae, laevissimae, obscure cinnamomeae, aparaphysatae.

*Hab.* Ad folia viva *Pratiae repens* rarissime in *Staten island*, Mart. 1882.

139. UROMYCES OROBI (Pers.) Wint.

b. *Viciae*.

*Hab.* Ad folia viva *Viciae magellanicae* prope *Ushuvaia*, Maj. 1882.

*Obs.* Teleutosporae globoso-ovatae (24-28  $\times$  20-22  $\mu$ ), sursum obtuse acutatae, tenuiter tunicatae, laeves, grosse 1-guttulatae, fuligineae, stipite hyalino, longiusculo (20-25  $\times$  3-5  $\mu$ ) suffultae.

140. UROMYCES MAGELLANICUS Speg. — Fung. pat. n. 88.

*Hab.* In foliis vivis *Caricis* speciei cujusdam prope *Fiord Negri* sub *Monte Sarmiento*, Maj. 1882.

141. UREDO ANTARCTICA Speg. (n. sp.)

*Diag.* Maculae nullae v. minutissimae, amphigenae, fuscescentes, indeterminatae; acervuli hypophylli, plus minusve laxe gregarii, minuti (0,3-0,5<sup>'''</sup> diam.), diu epidermide tecti, fulvescentes, per aetatem decidui ac folium perforatum relinquentes; uredosporae globosae v. ovoideae, saepe e mutua pressione angulosae (20-24 × 18-20 μ), tenui tunicatae, granuloso farctae, minutissime subimperspicueque papillulosae (?) hyalinae.

*Hab.* Ad folia primaria (nunquam in cotyledonibus) *Berberidis* cujusdam prope *Ushuvaia*, Maj. 1882.

142. UREDO JUNCI Str.

*Hab.* Ad culmos languidos *Junci* cujusdam in uliginosis prope *Punta anegada* in *Freto magellanico*, Jun. 1882.

*Obs.* Sporae globosae (22-25 μ diam.), pallide fulvescentes, modice tunicatae, laxe majusculeque asperulae.

143. UREDO? AECIDIIFORMIS Speg. (n. sp.)

*Diag.* Sori hypophylli, mellei, hinc inde 3-8-aggregati, macula pallescenti fusco-marginata (2-8<sup>'''</sup> diam.) insidentes parvuli, conoidei (0,3-0,5<sup>'''</sup> diam.), parenchymate innati, apice discoideo-aperti, pulvinatuli, subconfluentes, pseudoperidio nullo; uredosporae ovato-elongatae v. subclavulatae, antice acutatae v. rotundatae rarius truncatae, postice attenuatae acutato-obtusatae (50-60 × 20 μ), episporio crassiusculo, minute denseque ruguloso donatae, e hyalino pallidissime subfulvescentes.

*Hab.* Ad folia viva *Berberidis ilicifoliae* in sylvis prope *Penguin rookery* in *Staten island*, Mart. 1882.

*Obs.* In senectute folia perforata evadunt ob caducitatem

macularum fungilliferarum. An huc *Aec. magellanicum* Berk. ducedum?

144. *AECIDIUM BERBERIDIS* Gml. — Speg., Fung. pat. n. 97.

*Hab.* Ad ramulos, inflorescentias nec non folia *Berberidis heterophyllae* prope *Punta anegada* in *Freto magellanico*, Apr. et Jun. 1882.

*Obs.* Species vulgatissima sed semper senescentia et tandem valde dubia!

145. *AECIDIUM HUALTATINUM* Speg. (n. sp.)

*Diag.* Pseudosporangia dense 20-30-gregaria, glomerulos discoideos (3-8<sup>'''</sup> diam.) macula majuscula pallescente indeterminata insidentes, hypophylla, flavidula, modice prominula, cylindracea, ore pallescenti-laciniato donata; contextus e cellulis rhomboideo-tetragonis, non v. vix loricatis, obtusissime angulatis, crasse tunicatis, dense rugoso-striatis (50-60 × 25-30 μ), subhyalinis compositus; sporae globosae (26-34 μ diam.), e mutua pressione angulosae, crasse tunicatae, dense minutissimeque ruguloso-granulosae, pallide flavescens, granuloso-farctae.

*Hab.* Ad folia viva *Senecionis (hualtatae)* spec. in uliginosis in *Gabel island*, Maj. 1882.

*Obs.* Huc etiam *Aec. senecionis* Speg. (non Desm.) in *Fung. arg. pug. I*, n. 53 ducendum! Ab *Aecid. senecionis* Dsm. toto coelo diversum, nec quoque comparandum.

146. *AECIDIUM VIOLARUM* Lk.

*Hab.* Ad folia viva *Violae magellanicae* in dumetosis marittimis prope *Port Cook* in *Staten island*, Mart. 1882.

*Obs.* Pseudosporangia hypophylla v. petiolicola, dense aggregata; cellulae contextus polygonae (25-30 μ diam.),



subhyalinae, minute denseque verruculosae, crasse tunicatae; sporae globosae e mutua pressione angulosae ( $10-20 \times 15-18 \mu$ ), subhyalinae modice tunicatae, laeves.

147. AECIDIUM PRATIAE Speg. (n. sp.)

*Diag.* Maculae nullae v. folium totum nonnihil pallescens ac incrassatum; pseudosporangia primo globosa dein scutellato-aperta (0,3-0,5" diam.) vix prominula flavescenti mellea, ore non v. vix exerto parcissime fisso v. laciniato, contextu e cellulis polygonis ( $40-45 \times 20-30 \mu$ ) non v. vix loricatis, crasse tunicatis, dense verrucosis composito donata, laxe gregaria; sporae globosae v. e mutua pressione angulosae ( $20-25 \times 17-20 \mu$ ), tenui tunicatae, laeves, granuloso-farctae, flavescentes.

*Hab.* Ad folia viva *Pratiae repentis* in herbosis prope *Penguin rookery* in *Staten island*, Mart. 1882.

PYRENOMYCETEA FR.

PERISPORIACEAE FR.

148. PHYLLACTINIA ANTARCTICA Speg. — Fung. pat. n. 111.

*Hab.* Ad folia arida adhuc pendula *Ribis magellanicae* in dumetis prope *Shammacus*, *Beagle channel*, Maj. 1882.

149. EUROTIVM HERBARORIUM Lnk.

*Hab.* Ad folia dijecta putrescentia *Embothrii*, *Mayteni*, etc. coacervata in insula *Aicina*, *Beagle channel*, Maj. 1882.

150. EUROTIVM CHILENSE Mntgn. — Gay, Fl. Chil. Bot. vol. VII, p. 475.

*Hab.* Ad corticem ramulorum putrescentium *Fagi betuloidis* in tuguriis incolarum prope *Agaiä*, Jun. 1882.

*Obs.* Perithecia dense gregaria, subiculo gossypino laxo fulvello v. ferrugineo insidentia, globosa (100-110  $\mu$  diam.), flava, glabra, laevia, tenuissime membranacea, contextu e cellulis majusculis (12-15  $\mu$  diam.) composito, hyalino-flavescente donata; asci globosi (18-20  $\mu$  diam.), mox diffluentes, octospori; sporida globosa v. ovoidea (7-8  $\times$  6-8  $\mu$ ) punctato-areolata, hyalina.

#### SPHAERIACEAE FR.

##### 151. CALOSPHERIA ANTARCTICA Speg. (n. sp.)

*Diag.* Erostellæ; sori dense sparsi v. subgregarii, inordinati, plerumque minuti (1-2<sup>m</sup> diam.), suborbiculares v. elliptici, peridermio parum pustulato, elevato tecti, transverse erumpentes; perithecia in singulo soro 3-8, plus minusve dense stipata, circinata, decumbentia, minuta (150-180  $\mu$  diam.), globosa, atra, glabra, non v. vix collabescentia, coriacea, contextu indistincto, ostioliis minutis cylindricis convergentibus donata; asci minuti, subclavati, apice abrupte truncato-rotundati crasseque tunicati, basi breviter attenuato-obtusati (20-22  $\times$  2-3  $\mu$ ), octospori, stipitibus simplicibus (25-30  $\times$  1,5  $\mu$ ), sursum subincrassatulis subnodulosis v. subtruncatis 2-(rarius 3-) ascoforis suffulti, paraphysibus crassiusculis, valde longioribus (70-90  $\times$  2  $\mu$ ), parce obvallati; sporidia disticha oblongo-cylindracea, utrinque obtusiuscula ac minute 1-guttulata (3-4  $\times$  0,8-1  $\mu$ ), parum curvata hyalina.

*Hab.* Ad ramos dejectos *Fagi betuloidis* in *Staten island* et per *Fuegiam* totam, aest. et hiem. 1882.

##### 152. VALSA RIBESIA Karst.—Sacc., Syll. I, p. 117.

*Hab.* In ramis dejectis putrescentibus *Ribis magellanicae* in *Iandagaia*, *Beagle channel*, Maj. 1882.

*Obs.* Asci nonnihil majores ( $45-50 \times 5 \mu$ ); sporidia botuliformia ( $9-10 \times 1,5 \mu$ ), hyalina.

153. *EUTYPA PERAFFINIS* Speg. (n. sp.)

*Diag.* Stromata per ramos corticatos late ambientia, nigra, lignum plus minusve atro-inquinantia; perithecia stromate immersa, dense aggregata, acervulos difformes, pulvinatulos, saepius hinc inde seriatim erumpentes efformantia, sphaerica, mediocria ( $300-350 \mu$  diam.), glabra, atra, coriacea, in ostiolo brevissimo, crasso, rugoso, irregulari, vix exerto producta; asci clavati, apice attenuato-cuneati ac truncati crassissimeque tunicati, 1-foveolati, postice attenuati ac in pedicello praelongo producti (pr. sp.  $40-45 \times 6 \mu$  — ped.  $40-80 \times 2 \mu$ ), octospori, aparaphysati; sporidia mono-v. disticha, allantoidea ( $10-15 \mu \times 2-3 \mu$ ), utrinque obtuse rotundata ac 1-guttulata, chlorina.

*Hab.* In ramis emortuis putrescentibus *Berberidis ilicifoliae* in *Pactolus bay*, *Staten island*, Mart. 1882.

154. *EUTYPA PATAGONICA* Speg. — Fung. pat. n. 115.

*Hab.* In ramis dejectis *Chilotrichi amelloidis* vulgatissima in *Staten island* et in *Fuegia*, aest. et hiem. 1882.

155. *PHYSALOSPORA CYMBISPERMA* Speg. (n. sp.)

*Diag.* Perithecia cortice nidulantia, peridermio tecta, densiuscule gregaria, e globoso depressa ( $300-350 \mu$  diam.), atra, glabra, laevia, non v. vix papillulato-ostiolata, coriacella, contextu in juventute subpellucido parenchymatico, dein opaco indistincto; asci cylindracei apice subtruncato-rotundati crassiusculeque tunicati, bifoveolati, basi modice attenuato-stipitati ( $120-130$

× 6-7  $\mu$ ), octospori, paraphysibus filiformibus septulatis obvallati; sporidia recte monosticha, elliptico-cymbiformia, utrinque acutiuscule rotundata (12-14 × 5  $\mu$ ), primo granuloso-farcta dein grosse 1-guttulata, hyalina.

*Hab.* Ad corticem ramorum *Fagi betuloidis* in *Staten island*, Mart. 1882.

156. *PHYSALOSPORA MAGELLANICA* Speg. (n. sp.)

*Diag.* Perithecia hinc inde dense gregaria, macula parvula arescenti-cinerea (2-3<sup>'''</sup> diam.) insidentia, cortice nidulantia, peridermio velata, globulosa (150-180  $\mu$  diam.), glabra, atra, coriacea, ostiolo latiusculo vix papillulato, non v. vix exerto donata, contextu subindistincto, olivaceo; asci cylindranei, apice rotundati, basi abruptiuscule contracti ac pedicello brevissimo crassiusculo suffulti (60 × 17  $\mu$ ), octospori, paraphysibus filiformibus parvis obvallati; sporidia oblique monosticha, elliptica, utrinque acutiuscule rotundata (14-15 × 6-6,5  $\mu$ ), hyalina.

*Hab.* Ad culmos languidos *Junci* cujusdam in *Punta anegada*, *Freto magellanico*, Jun. 1882.

157. *BOTRYOSPHAERIA BERENGERIANA* DNtrs.—Sacc., Syll. I, p. 457.

*Hab.* In ramulis dejectis putrescentibus *Mayteni* in sylvis in *Gabel island*, *Beagle channel*, Jun. 1882.

*Obs.* Asci subsaccati (80-90 × 16-18  $\mu$ ), parce paraphysati; sporidia elliptico-subbiconica utrinque obtusiuscula (20-22 × 10  $\mu$ ), hyalina.

158. *CERATOSTOMA ARCUATIROSTRE* Speg. (n. sp.)

*Diag.* Perithecia sparsa v. laxe gregaria, superficialia v. semiimmersa, globulosa (250-300  $\mu$  diam.), atra, glabra, carbonacea, opaca, ostiolo erecto v. decumbente, lon-

gissimo tenuissimo ( $750-1000 \times 30-50 \mu$ ) acuto fragili laevissimo arcuato ornata; asci mox diffluentes, cylindranei?; sporae globosae v. sublimoniformes, magnitudine ludentes ( $10-15 \times 6-10 \mu$  — saepius  $12 \times 8 \mu$ ), fuligineae, utrinque apiculo minutissimo vix perspicuo hyalino auctae.

*Hab.* In fragmentis ligneis putrescentibus prope *Ushuvaia*, Maj. 1882.

159. *CHAETOMIUM PANNOSUM* Walr. — Sacc., Syll. I, p. 221.

*Hab.* In foliis caulibusque putrescentibus *Brassicae napi* prope *Ushuvaia*, Maj. 1882.

160. *SORDARIA PSEUDOMINUTA* Speg. (n. sp.)

*Diag.* Perithecia sparsa, semiimmersa e globoso pyriformia ( $250-300 \mu$  diam.), obtuse minuteque ostiolata, atra glabra crassiuscule membranacea, contextu parenchymatico fuligineo donata; asci mox diffluentes, octospori; sporidia fuliginea oblique monosticha, elliptica, non v. vix sublimoniformia ( $25-28 \times 12-14 \mu$ ), caudis, altera apicali involuta globulum ( $6 \mu$  diam.) simulante, altera basali recta cylindranea ( $12-18 \times 4 \mu$ ), hyalinis ornata.

*Hab.* In fimo vaccino in herbosis prope *Ushuvaia*, Maj. 1882.

*Obs.* Species *S. minuta* Fuck. peraffinis, perithecii, glabris, sporidiis majoribus satis recedens.

161. *SORDARIA HYPOCOPROIDES* Speg. (n. sp.)

*Diag.* Perithecia e globoso pyriformia ( $450-500 \mu$  diam.), immersa, ostiolo crasso obtuso non v. vix exerto donata, glabra, atra, crassiuscule membranacea, coriacella, contextu indistincto; asci cylindranei apice rotundato-truncati, crasse tunicati, 3-foveolati, basi in pedicello breviusculo attenuati ( $160-200 \times 20 \mu$ ), octospori,

paraphysibus filiformibus, guttulatis crassiusculis parce obvallati; sporidia recte v. suboblique monosticha, elliptica v. inaequilateralia subcymbiformia ( $28-32 \times 12-13 \mu$ ), utrinque obtuse rotundata, basi apiculo globoso, minutissimo vix perspicuo hyalino aucta, opace fuliginea.

*Hab.* Ad fimum vaccinum putrescentem in herbosis prope *Ushuvaia* et in *Gabel island*, Maj. 1882.

162. HYPOCOPRA HUMANA Fuck. — Sacc., Syll. I, p. 240.

*Hab.* In stercore humano subputrescente in sylvis prope *Gertrude cove*, Jun. 1882.

163. HYPOCOPRA AVIARIA Karst. — Sacc., Syll. I, p. 242.

*Hab.* In stercore *Tachyeres (anatis) cinerei* in scopulis prope *Wallamâtu, Beagle channel*, Maj. 1882.

*Obs.* Asci cylindranei, apice truncati, crasse tunicati bifoveolati, basi breviter pedicellati, aparaphysati ( $80-90 \times 10-12 \mu$ ); sporidia recte v. suboblique monosticha, elliptica, utrinque obtusa ( $14-15 \times 10 \mu$ ), nonnihil compressa ( $6 \mu$  crass.) fuliginea, in prima aetate strato mucoso hyalino tenui obovoluta. An species distincta?

164. HYPOCOPRA DARWINII Speg. — Fung. pat. n. 118.

*Hab.* In fimo equino vetusto exsiccato prope *Ushuvaia*, Maj. 1882.

*Obs.* Asci cylindranei (p. sp.  $75-80 \times 12-13 \mu$ ), crasse breveque pedicellati (ped.  $20 \times 5-10 \mu$ ), densiuscule paraphysati; sporidia recte v. oblique monosticha, elliptico subdiscoidea ( $9-12 \times 9-10 \mu$ ), e latere compressiuscula ( $5-6 \mu$  crass.), opace fuliginea.

165. HYPOCOPRA PILOSELLA Speg. (n. sp.)

*Diag.* Perithecia subsuperficialia e globoso subpyriformia ( $180-200 \mu$ ), non v. parce umbonato-ostiolata, atra, praecipue circa ostiolum laxè puberulo-hispida, pilis

unicellularibus acutis simplicibus subcylindraceutis (20-40  $\times$  2-3  $\mu$ ) opace fuligineis, coriaceo-membranacea, contextu subopaco atro 'parenchymatico donata; asci cylindraceuti, apice brevissime attenuati, truncato-rotundati, bifoveolati, basi abrupte minuteque coarctato-pedicellati (80-95  $\times$  7-8  $\mu$ ), octospori, paraphysibus filiformibus densiusculis obvallati; sporidia oblique disticha, elliptica, utrinque late rotundata (9-10  $\times$  6-7  $\mu$ ), e latere compressa (4-5  $\mu$  crass.), opace fuliginea, mucro destituta.

*Hab.* In fimo equino vetusto putrescente prope *Ushuvaia*, Maj. 1882.

166. HYPOCOPRA? PARVICAUDATA Speg. (n. sp.)

*Diag.* Perithecia innato-erumpentia, solitaria v. paucis aggregata, ovato-pyriformia, majuscula (1" diam.), grosse umbonato-ostiolata, atra, crasse membranacea, contextu opaco indistincto fuligineo subiculo olivaceo ex hyphis gracilibus (3-4  $\mu$  crass.) dense intricato-ramosis, parce septulatis, laxe insidenti-vestita; asci cylindraceuti majusculi (350-400  $\times$  30  $\mu$ ), apice subattenuati crasseque tunicati leniter bifoveolati, basi longiuscule attenuato-pedicellati, paraphysati, octospori; sporidia oblique monosticha, elliptica (45-50  $\times$  25  $\mu$ ), opace fuliginea, utrinque obtusa, basi apiculo e globoso-conico (5  $\times$  5  $\mu$ ), hyalino aucta, strato mucoso hyalino crassissimo (5-8  $\mu$  crass.) obovoluta.

*Hab.* In fimo equino putrescente rarissime prope *Ushuvaia*, Maj. 1882.

*Obs.* Species praedistincta nunc *Sordariae* generi nunc *Hypocoprae* pertinens, et tantum vere ambigua.

167. COPROLEPA MERDARIA (Fr.) Fuck. — Sacc., Syll. I, p. 248.

*Hab.* Non rara in fimo *Equi* et *Aucheniae* prope *Ushu-*

*vaia, Slogget bay et Gertrude cove, Maj. et Jun. 1882.*

*Obs.* Stroma perithecorum late effusum extus nigrum intus album; perithecia saepe hinc inde dense gregaria, majuscula (400-800  $\mu$ ); asci mox diffluentes (22  $\mu$  crss.), octospori paraphysati; sporidia monosticha, elliptica, non v. vix subinaequilateralia (28-35  $\times$  14-16  $\mu$ ) utrinque obtusa opæ fuliginea strato mucoso hyalino crasso obovolata.

168. COPROLEPA ANTARCTICA Speg. (n. sp.)

*Diag.* Stromata saepius parvula orbicularia (1-2" diam.), indeterminata, laxe gregaria v. saepe plus minusve confluentia, extus ligneo-pallescentia, coriacella, compactiuscula laevia, centro ostiolo crasso non v. vix prominulo, nigricante perforata, intus alba, furfuracea; perithecia saepius solitaria, rarius 3-4-aggregata, immersa globosa majuscula (500-700  $\mu$  diam.) tenui membranacea mollia fuliginea, contextu densissime ac subindistincte parenchymatico olivaceo, ostiolo crasso brevissimo obtuso coronata; asci cylindranei, antice truncato-rotundati, crassiuscule tunicati, postice in pedicello breviusculo attenuati (140-150  $\times$  14-15  $\mu$ ), octospori, paraphysibus paucis filiformibus saepius inmixti; sporidia monosticha, elliptica, leniter inaequilateralia, utrinque obtusa (20-25  $\times$  9-10  $\mu$ ), grosse 1-areolato-nucleata, strato hyalino mucoso crasso obovolata.

*Hab.* Vulgatissima in fimo *Aucheniae guanaci* et *Berniclae antarcticae* per *Fuegiam* totam, hiem. 1882.

169. COPROLEPA EQUORUM Fuck. — Sacc., Syll. I, p. 249.

*Hab.* In fimo ovino vetusto putrescente in pratis prope *Ushuvaia*, Jun. 1882.

*Obs.* Species praecedenti peraffinis, stromate tamen nigro facillime dignoscenda; saepe tamen cum forma sene-



scente *C. antarcticae* Speg., stromate e sporis exilientibus late nigrificato confunditur.

170. ROSELLINIA LIGNARIA (Grév.) Nitzk. — Sacc., Syll. I, p. 269.

*Hab.* Ad rimas ramorum viventium *Fagi betuloidis* in *Agaia, Beagle channel*, Jun. 1882.

*Obs.* A typo nonnihil recedere videtur; perithecia parvula globosa, depressula (150-180  $\mu$ ), laxe gregaria, pilis 1-cellularibus (15-25  $\times$  3-5  $\mu$ ) fuligineis parce vestita; sporidia elliptico-ovata, non v. vix inaequilateralia, utrinque acutiuscule rotundata (13-15  $\times$  6-7  $\mu$ ), opace fuliginea.

171. ROSELLINIA MAGELLANICA Speg. — Fung. pat. n. 122.

*Hab.* Ad ramos decorticatos rimosos *Fagorum* prope *Ushuvaia*, Maj. 1882.

*Obs.* Sporidia nonnihil majora (20-22  $\times$  14  $\mu$ ), e latere pro ratione magis compressa (5-6  $\mu$  crass.); iodi ope nulla.

172. ROSELLINIA SORDARIA (Fr.) Rhm. — Sacc., Syll. I, p. 270.

*Hab.* In ligno fagineo putrescente mucido prope *Penguin rookery* in *Staten island*, Febr. 1882.

*Obs.* Perithecia globulosa (200-250  $\mu$ ), subsparsa, pilis 1-cellularibus (20-30  $\times$  3  $\mu$ ) densiuscule vestita; asci cylindranei, apice truncati, basi longiuscule attenuato-pedicellati (90-110  $\times$  7-8  $\mu$ ) paraphysati; sporidia monosticha, elliptico-ovoidea, utrinque latissime rotundata (7-9  $\times$  4-5  $\mu$ ), e latere subcompressa v. inaequilateralia, primo grosse 1-2-guttulata subhyalina, dein opace fuliginea.

173. ROSELLINIA SUBCORTICALIS Fuck. — Sacc., Syll. I, p. 272.

*Hab.* Ad corticem duriolem putrescentem *Fagi* sp. prope *Ushuvaia*, Maj. 1882.

*Obs.* A typo nonnihil recedit, an species distincta?. Perithecia hinc inde dense aggregata, e globoso conoidea (150-200  $\mu$ ), atra, laxe puberula, pilis minutissimis (10-15  $\times$  2  $\mu$ ), 1-cellularibus, obtusis opace fuligineis; sporidia elliptico-ovata utrinque obtuse rotundata (6-7,5  $\times$  5-6  $\mu$ ), opace fuliginea.

174. ANTHOSTOMELLA CYMBISPERMA Wintr. — Pilz. v. C. Horn, n. 7.

*Hab.* Vulgatissima in foliis emortuis graminacearum majorum in *Staten island* et per *Fuegiam* totam, aest. et hiem. 1882.

*Obs.* Asci apice truncati, crasse tunicati, bifoveolati; sporidia fuliginea, utrinque appendiculata (appendice supera minore), non vere cymbiformia, in vivo elliptico-ovoidea, diguttulata, in sicco mox contracta, inaequalateralia v. per aetatem dimidiato-scutellata, magnitudine nonnihil variabilia. Formae 2 distinctae adsunt: a) sporidiis muco destitutis, appendice supera non v. vix conspicua; b) sporidiis muco obovolutis, appendice supera infera fere aequante.

175. ANTHOSTOMELLA FUEGIANA Speg. (n. sp.)

*Diag.* Maculae pallescentes, indeterminatae; perithecia solitaria, sparsa v. hinc inde 2-3-subgregaria, immersa, epidermide nigrificata arcteqe adnata tecta, globoso-lenticularia (350-400  $\mu$ ), ostiolo non v. vix papillato donata, coriacea atra contextu subopaco parum distincto; asci cylindranei apice truncato-rotundati, crassissime tunicati, deorsum breviter attenuato-pedicellati (90-105  $\times$  5-7  $\mu$ ), octospori, paraphysibus filiformibus guttulis parvis obvallati; sporidia oblique monosticha v. subrecte disticha, fusiformia, leniter inaequalateralia

(20-24  $\times$  3,5-4,5  $\mu$ ), utrinque attenuato-acutissima, fuliginosa, grosse 1-guttulata, inferne caudula hyalina brevi acuta aucta.

*Hab.* In foliis ac culmis emortuis *Rostkoviae grandiflorae* prope *Shámmacus*, *Beagle channel*, Maj. 1882.

*Obs.* Obturaculus ascorum iodi ope pallide coerulescit.

176. ANTHOSTOMA MICROSTROMA Speg. (n. sp.)

*Diag.* Fuckelia; stromata elliptica, (2<sup>'''</sup> diam.  $\times$  1<sup>'''</sup> lat.), transversa, pulvinatula (0,5<sup>'''</sup> crass.), truncato-marginata, superne applanata, atra, glabra, peridermio tecta, subadnata, non v. vix erumpentia; perithecia globulosa (350-400  $\mu$ ) atra glabra bina v. terna in quoque stromate, non v. vix ostiolato-papillulata; asci diffluentes, octospori, paraphysati; sporidia elliptica v. ovoidea, utrinque obtusa (18-22  $\times$  10-12  $\mu$ ), monosticha, grosse 1-guttulata (an areolata?), opace fuliginosa, in senectute longitudinaliter fissa.

*Hab.* Vulgatissimum (sed semper substerile) ad ramos dejectos *Fagi betuloides* in *Staten island*, Mart. 1882.

177. ANTHOSTOMA ANTARCTICUM Speg. (n. sp.)

*Diag.* Acervuli difformes, pulvinatuli (3-7<sup>'''</sup> diam.), sparsi v. gregarii, saepe confluentes, cortice immersi, stromate e substantia corticali parum mutata infuscata efformato, epidermide sublevata tecti v. denudati; perithecia majuscula, globulosa (400-500  $\mu$ ) stromate immersa, 3-7-aggregata atra coriacea, ostiolis papillatis subconniventibus parum exertis carbonaceis crassiusculis coronata; asci cylindraneo-clavati, sursum attenuati, apice truncato-rotundati, 1-foveolati (par sp. 45-50  $\times$  6-6,5  $\mu$ ), deorsum in pedicello parte sporifera subaequilongo producti aparamphysati octospori, iodi ope nulla; sporidia oblique monosticha v. alternato-

disticha, oblongo-ellipsoidea, recta v. curvula ( $8-13 \times 3-3,5 \mu$ ) utrinque rotundata, fuliginea.

*Hab.* Ad ramos dejectos putrescentes *Fagi betuloidis* in *Staten island* prope *Port S. John*, Mart. 1882.

*Obs.* Species notis per plurimis *A. gastrino* (Fr.) Sacc. affinis.

178. ANTHOSTOMA ALLANTOSPORUM Speg. (n. sp.)

*Diag.* Fuckelia?; pustulae ligno denudato innatae, elongato-lineares, saepius subseriatae, pulvinatulae, majusculae ( $1-2''$  long.  $\times 2-3'''$  lat.  $\times 0,5-1'''$  crass.), superne applanatae, saepius ostiolis exasperatae; stroma e ligni substantia non v. vix mutata efformatum, extus sordide fuscescens, intus pallescens, linea nigra stricta late per matricem excurrente limitatum; perithecia stromate profundiuscule immersa, monosticha, dense constipata, 20-40 in quoque acervulo globosa majuscula ( $500-700 \mu$ ) membranaceo-coriacella, contextu subindistincte parenchymatico, ostiolo cylindraceo crassiusculo, atro, carbonaceo, obtuso, ruguloso stratum stromaticum superpositum ( $0,5-1'''$  crass.) perforante ac plus minusve exserto donata; asci cylindraceo subclavati, apice obtuse rotundati, postice longiuscule attenuato-pedicellati (p. sp.  $60-65 \times 5-8 \mu$  — ped.  $25-40 \times 3 \mu$ ), octospori, aparaphysati?; sporidia oblique monosticha rarius subdisticha, elongato elliptica, inaequilateralia, saepius fere allantoidea (vix medio sub incrassatula), utrinque obtusiuscula ac minute 1-guttulata ( $11-15 \times 4 \mu$ ), pallide fuliginea.

*Hab.* In ramis *Fagorum* putrescentibus in *Fuegia* prope *Chair island*, Maj. 1882.

179. ANTHOSTOMA ALACULUF Speg. (n. sp.)

*Diag.* Perithecia sparsa v. laxe hinc inde 3-5-gregaria, ligno fere immutato, vix in superficie sordide ac irregu-

lariter fuscescente immersa, globosa gigantea (1,2-1,5<sup>m</sup> diam.), membranacea, atra, opaca, contextu parum distincto, ostiolo vix papillato, non exerto, carbonaceo donata, parietibus alveoli arcte adnata; asci cylindranei, apice obtuse rotundati, postice longiuscule attenuato-pedicellati (par. sp. 160-180  $\times$  8-9  $\mu$  — ped. 70-80  $\times$  3-5  $\mu$ ), octospori, paraphysibus filiformibus densiuscule obvallati, iodi ope nulla; sporidia recte monosticha, elliptica, saepius nonnihil inaequilateralia, utrinque obtusa (18-20  $\times$  8  $\mu$ ), in sicco saepe e latere compresso-scutellata, opace fuliginea.

*Hab.* In ligno decorticato *Libocedri*? prope *Port Tom* in *Skiring island*, Jun. 1885.

180. ANTHOSTOMA LOPHIOSTOMOIDE Speg. (n. sp.)

*Diag.* Perithecia sparsa, ligno immutato, vix extus canescenti-infusato immersa globosa subgigantea (900-1200  $\mu$ ) atra membranacea, alveoli parietibus arcte adnata, contextu indistincto olivaceo, ostiolo vix matricis superficiem attingente non exerto nonnihil umbilicato, a textura ligni subcompresso ac facile lophiostomideo visu, donata; asci cylindranei, antice obtuse rotundati, postice breviuscule crasseque stipitati (140-150  $\times$  7-7,5  $\mu$ ), paraphysibus granulosis, filiformibus densiuscule obvallati; sporae recte monostichae, ellipticae v. saepius elliptico-subfusoidae (16-17  $\times$  5  $\mu$ ), utrinque obtuse acutatae, non v. vix subinaequilaterales, primo granulosae v. 2-guttulatae, hyalinae, dein grosse 1-nucleatae fuligineae.

*Hab.* Vulgatum ad ramos truncosque decorticos putrescentes per totam *Fuegiam*, hiem. 1882.

181. ANTHOSTOMA FUEGIANUM Speg. (n. sp.)

*Diag.* Perithecia sparsa v. hinc inde laxe gregaria, ligno fere immutato, extus vix dealbato, intus linea stroma-

tica fuscescente notato, immersa, globulosa, majuscula (450-600  $\mu$ ), atra, globulosa, coriacella, alveoli parietibus arcte adnata, contextu subindistincto, olivaceo, ostiolo conico, parvulo, matricem perforante, ac ejusdem superficiem vix attingente, carbonaceo, tenui coronata; asci cylindranei, paraphysati, octospori, mox diffluentes; sporidia monosticha, elliptico-elongata, non v. vix inaequilateralia utrinque acutiuscule rotundata (20-22  $\times$  6, 5-7,5  $\mu$ ) opace fuliginea.

*Hab.* In palo vetusto decorticato *Mayteni* in *Picton island*, Maj. 1882.

*Obs.* Species difficillime perspicua, vix maculis canescentibus indeterminatis, parvulis (sed non semper), hinc inde minute nigro-punctatis detegenda. Ascis integris nunquam inventis; iodi ope nulla.

182. ANTHOSTOMA GIGANTEUM Speg. (n. sp.)

*Diag.* Perithecia hinc inde laxe gregaria v. densiuscule sparsa, ligno immutato, extus albescenti-canescente, ostiolis ac sporis exilientibus nigro-punctato, vix immersa, globosa, gigantea (1,2-1,8<sup>m</sup> diam.), extus cinerascens, glabra, membranaceo-coriacella, contextu dense parenchymatico, subindistincto, facillime integra ex alveolo extrahenda, ostiolo crassiusculo, conico, carbonaceo, atro, matricis superficiem perforante ac non v. vix exertulo coronata; asci cylindranei, apice nonnihil subcoarctati, truncati, bifoveolati, postice breviuscule attenuato-pedicellati e latere compressi! (150-160  $\times$  12-14  $\times$  3-4  $\mu$ ), octospori, paraphysibus filiformibus obvallati; sporidia oblique monosticha, e fronte elliptica v. ovoidea, utrinque obtusa, grosse 1-nucleato-areolata, e latere valide compressa (25-26  $\times$  8-10  $\times$  2,5-3), opace fuliginea, inferne papilla minuta hemisphaerica, hyalina appendiculata. Iodi ape nulla.

*Hab.* In truncis dejectis cariosis prope *Port Cook* in *Staten island*, Mart. 1882.

183. ANTHOSTOMA URODELUM Speg. (n. sp.)

*Diag.* Perithecia densiuscule sparsa, ligno vix mutato friabili extus canescenti-dealbato hinc inde ostiolorum caussa nigro-punctato immersa, globosa majuscula (350-450  $\mu$ ), alveoli parietibus arcte adnata, atra glabra coriacella, contextu indistincto fuligineo opaco, ostiolo crassiusculo brevi atro carbonaceo matricis superficiem attingente non v. vix prominulo coronata; asci cylindranei, apice obtuse rotundati non v. vix incrassatuli, basi breviter attenuato-pedicellati (p. sp. 95-120  $\times$  4-5  $\mu$  — ped. 20-25  $\times$  3  $\mu$ ), octospori, dense paraphysati; sporidia cylindraneo-elongata non v. vix curvula, superne acutiuscule rotundata, inferne rotundato-subtruncata, appendice pusilla hemisphaerica hyalina aucta, opace fuliginea (12-13  $\times$  2-2,5  $\mu$ ), e latere non v. vix compressula non v. grosse 1-guttulata.

*Hab.* In ramis decorticatis putrescentibus *Fagorum* non rarum per *Fuegiam* totam, hiem. 1882.

184. XYLARIA ANTARCTICA Speg. (n. sp.)

*Diag.* Xylocoryne; stromata erecta compressa obovato-spathulata, undique fertilia, superne late truncata ac acute marginata, plana v. undulata, crassiuscula (1,5-2" alt.  $\times$  1,2-1,5" lat.  $\times$  2-3" crass.), marginibus laterali- bus obtusa, intus farcta alba, extus atra non v. minute laxaque rugulosa, non v. vix ostiolato-asperula, inferne in stipite breviusculo crasso terete (5-8" long.  $\times$  2,5-3" crass.) fusco-leproso-puberulo producta, laxe gregaria; perithecia immersa, globosa (400-550  $\mu$ ), dense constipata, atra carbonacea, non v. vix prominula, ostiolo minutissimo non v. vix papillulato coronata; asci mox diffluentes, non visi; sporidia elliptico-inaequila-

teralia, utrinque acutiuscule obtusata ( $12 \times 5-6 \mu$ ), opace fuliginea, non v. utrinque minute 1-guttulata.

*Hab.* Vulgatissima per *Fuegiam* totam ad caudices fagi-  
neos putrescentes, hiem. 1882.

185. *XYLARIA FUEGIANA* Speg. (n. sp.)

*Diag.* Stromata erecta, gregaria v. sparsa, conoideo-obclavulata, non v. compressiuscula, undique fertilia (3" alt.  $\times$  1" lat.  $\times$  0,5-1" crass.), planiuscula undulata non v. vix rugulosa, laxe papillulato-asperula, apice acutiuscula, basi subcoarctatula, intus farcta, lignosa, alba, extus atra, in juventute subcanescenti-pruinulosa, per aetatem saepe pulvere (e sporis exilientibus) nigro viscidulo inspersa, inferne in stipite breviusculo subterete (1,5" long.  $\times$  2-2,5" crass.), longitudinaliter rugoso-striato glabro atro-fusco producta; perithecia immersa v. vix prominula globulosa (500-600  $\mu$ ), atra carbonacea, ostiolo obtuso papillulato coronata; asci mox gelatinoso-diffluentes, octospori, paraphysati; sporidia cymbiformia, utrinque obtusa ( $10-12 \times 5 \mu$ ), monosticha, primo grosse 2-guttulata, dein 1-nucleato-areolata, opace fuliginea.

*Hab.* In trunco putrescente *Mayteni?* in *Hope harbour*, Maj. 1882.

186. *HYPOXYLON DIATRYPELLOIDE* Speg. (n. sp.)

*Diag.* Stromata per peridermium arcte adhaerens erumpentia, elongata v. elliptica (3-5"  $\times$  1-2,5"), transversa, non v. subtruncato-marginata, pulvinatula (1" crass.), superne saepius applanata, fusco-nigra, parce minuteque papillulosa, intus atra; perithecia pauca (5-20) in quoque stromate, dense constipata, e mutua pressione irregulariter obovata (400-450  $\mu$  diam.), monosticha, non exerta nec prominula, atra, coriacea, contextu indistincto, ostiolo minutissimo, obtuso, vix papil-



lulato coronata; asci cylindranei, antice obtuse rotundati, postice attenuato-pedicellati (p. sp. 70-80  $\times$  6,5-7  $\mu$  — ped. 40-80  $\times$  2-4  $\mu$ ), octospori, paraphysibus filiformibus densis obvallati; sporidia recte monosticha, cymbiformia, utrinque acutiuscule rotundata (12  $\times$  5-6  $\mu$ ), opace fuliginea, non v. grosse 1-2-guttulata, per aetatem longitudinaliter fissa.

*Hab.* Non rarum ad ramos *fagineos* emortuos in *Staten island* et in *Fuegia*, aest. et hiem. 1882.

*Obs.* Species habitu *Diatrypella* plurimis accedens, notis fructificationis tamen mox dignoscenda. Iodi ope nulla.

187. HYPOXYLON BOVEI Speg. (n. sp.)

*Diag.* Perithecia sustancia stromatica parcissima nigra carbonacea connata (rarius solitaria) in ramis corticatis v. decorticatis superficialia, glomerulos magnitudine ludentes (3-20<sup>'''</sup> diam.) ac difformes efficientia, globosa, majuscula (0,8-1,4<sup>'''</sup> diam.) prominula, superne truncata ac disco plano (0,5-0,7<sup>'''</sup> diam.) ambitu ruga acuta elevatula marginato atque centro ostiolo minuto papillulato donato ornata, in prima aetate furfure albo v. flavescente tecta, dein glabra laevia atra carbonacea; asci cylindranei, antice truncato-rotundati crassissime tunicati ac 1-foveolati, postice in pedicello longiusculo attenuati (p. sp. 80-90  $\times$  8-9  $\mu$  — ped. 40-50  $\times$  3-5  $\mu$ ), octospori, paraphysati; sporidia monosticha, cymbiformia, utrinque acutiuscule rotundata (10-14  $\times$  5-7  $\mu$ ), grosse 1-v. 2-guttulata, opace fuliginea.

*Hab.* Vulgatissimum ad ramos emortuos *Fagorum* in *Staten island* et per *Fuegiam* totam, aest. et hiem. 1882.

*Obs.* Species pulcherrima! certe huc *Hyp. annulatum* Mntgn. (in Gay, Fl. Chil. Vol. VII, p. 445, et Alt. Bot. cryp. lam. 10, f. 3) trahendum, nam specimina *Sphaeria* (Hyp.) *annulatae* Schw. a Cl. J. B. Ellis in N. A.

Fungi edita a typo fuegiano longissime omnibus characteribus abhorrent.

188. HYPOXYLON CREOLEUCUM Speg. (n. sp.)

*Diag.* Stromata cortice insidentia per peridermium erumpentia, eoque secedente denudato-superficialia, effusopulvinulata (2-3" long.  $\times$  1" lat.  $\times$  1-1,5" crass.), obtuse marginata, subrepandula, superne convexulo-explanata, non v. parce undulata, non v. vix hinc inde papillulosa, sordide fusco-testacea v. subrubiginosa, glabra intus alba; perithecia globulosa e mutua pressione compressa (450-600  $\mu$ ), coriacea atra, contextu indistincto, immersa non v. vix prominula, ostiolo non v. vix papillulato donata; asci cylindranei antice obtuse rotundati, postice in pedicello longissimo attenuati (p. sp. 65-85  $\times$  6-7  $\mu$  — ped. 120  $\times$  1-3  $\mu$ ), octospori, paraphysibus nullis v. paucis filiformibus guttulatis inmixti; sporidia recte v. suboblique monosticha, elliptica v. navicularia, utrinque obtusiuscule rotundata (11-12  $\times$  5-6  $\mu$ ), non v. grosse 1-2-guttulata opace fuliginosa.

*Hab.* Non rarum in ramis dejectis putrescentibus *Fagorum* in *Fuegia*, hiem. 1882.

189. HYPOXYLON MAGELLANICUM Speg. — Fung. pat. n. 123.

*Hab.* In ligno mucido carioso *Fagi betuloidis* prope *Ushuvaia* et *Slogget bay*, hiem. 1882.

*Obs.* Specimina nonnulla peritheciis nitentibus ostiolo minore donatis, sporis nonnihil majoribus (17-19  $\times$  8-9  $\mu$ ), grosse 1-guttulato-areolatis, a typo vix recedunt.

190. HYPOXYLON RUBIGINOSUM (Pers.) Fr. — Sacc., Syll. I, p. 376.

*Hab.* Vulgatum ad ligna emortua in sylvis per *Fuegiam* totam nec non in *Staten island*, aest. et hiem. 1882.

*Obs.* Specimina fuegiana nonnihil a typo et inter se discrepant, ac formas 2 sequentes separare hausus non sum:

a) *robustum*; stromatibus ligno indurato infuscatoque superficialibus crustaceis late effuso-pulvinatulis difformibus ( $2-10'' \times 1-3''$ ), crassiusculis, abrupte obtuseque marginatis, scrupulosis non v. vix mammillosis, laxe hinc inde papillulosis, fusco-rubiginosis; sporidiis elliptico-navicularibus ( $10-15 \times 8 \mu$ ), fuligineis donatum.

b) *miserrimum*; stromatibus irregulariter sublinearibus, flexuosis, ligno dealbato, submucedineo, fragillimo innato-effusis, non v. vix pulvinulatis ac marginatis, submammillosis, laxe papillulosis, fusco-rubiginosis; sporidiis ellipticis v. ovoideis, plus minusve inaequalateralibus ( $12-15 \times 5-7 \mu$ ), grosse 1-2-guttulatis, fuligineis donatum.

191. HYPOXYLON PSEUDOPACHYLOMA Speg. (n. sp.)

*Diag.* Stromata corticola, per peridermium persistens erumpentia, superne nuda, longe lateque effusa ( $2-5'' \times 1-4''$ ) applanata vix pulvinulata ( $1''$  crass.), non v. vix repandula-submarginata, carbonacea, extus intusque aterrima, fragilia, saepe ob sporas exilientes nigro-pulverulenta, densiuscule minuteque papillulata; perithecia obovata ( $750-800$  alt.  $\times 250 \mu$  diam.), dense constipata atra carbonacea superne applanata non prominula, ostiolo papillulato minuto ornata; asci cylindracei antice obtuse rotundati crasse tunicati 1-foveolati, postice in pedicello brevissimo attenuati ( $75-80 \times 6 \mu$ ), octospori, paraphysibus parcis filiformibus crassis inmixti; sporidia recte v. oblique monosticha ellipticonavicularia utrinque obtusiuscula ( $9-15 \times 4-6 \mu$ ) non v. grosse 1-guttulata, opace fuliginea.

*Hab.* Vulgatum ad ramos emortuos *Fagorum* in *Staten island* et in *Fuegia*, aest. et hiem. 1882.

*Obs.* Species pulchella, habitu fere *Diatrypis stigmatis* (Hoff.) Fr. notis fructificationis mox dignoscenda; si haec species v. altera (in *Fung. arg. pug. IV*, n. 132), typum *Hypoxyli pachylomatis* (Lév.) Mntgn. sistat, nunc nonnihil dubius sum !.

192. *DALDINIA CONCENTRICA* (Bolt.) Ces. et DNtrs. ?—Sacc., *Syll. I*, p. 393.

*Hab.* In trunco emortuo *Fagi obliquae?* prope *Ushuvaia*, Maj. 1882.

*Obs.* Specimen unicum oblitteratum senescens inventum, textura stromatis fibrosa, sericeo-nitente, pallescenti-zonata vix dignoscendum; peritheciis ac sporidiis non visis.

193. *SPHAERELLA AIACU* Speg. (n. sp.)

*Diag.* Maculae marginales, majusculae, determinatae, fusciscentes, linea incrassatula rufescente cinctae; perithecia epiphylla, densissime gregaria, minuta, subglobosa (70–80  $\mu$ ), epidermide velata prominula glabra atra coriacella, contextu parenchymatico olivaceo, ostiolo impresso donata; asci fusoido-obclavati, apice truncato-rotundati subcrassiuscule tunicati late 1-foveolati, basi in pedicello brevissimo crassoque cuneato-producti (30–35  $\times$  5  $\mu$ ), octospori, aparaphysati; sporidia clavulato-acicularia, utrinque obtusiuscule acutata (10–12  $\times$  2  $\mu$ ), medio 1-septata non constricta, hyalina.

*Hab.* Ad folia languida *Mayteni* prope *Picton island*, Maj. 1882.

194. *SPHAERELLA ANTARCTICA* Speg. (n. sp.)

*Diag.* Maculae nullae; perithecia hypophylla, sparsa, parenchymate immersa, epidermide velata, vix prominula e globoso conica (80–100  $\mu$ ), atra, glabra, coriaceo-

membranacea, contextu majusculè parenchymatico olivaceo donata, ostiolo papillulato coronata; asci cylindracei, non v. vix obclavulati, apice rotundati, tunica vix incrassata, basi subcoarctati ac stipite brevissimo, noduloso suffulti ( $25-30 \times 3,5-4 \mu$ ), octospori, aparaphysati; sporidia elongato-subclavulata, utrinque acutiuscula ( $7,5-8,5 \times 1,5 \mu$ ), medio septata, non constricta, leniter curvula, hyalina.

*Hab.* Ad folia dejecta *Fagi antarcticae* ubique vulgata in *Fuegia*, hiem. 1882.

195. SPHAERELLA AUSTRALIS Speg. (n. sp.)

*Diag.* Maculae nullae v. amphigenae parum manifestae indeterminatae rufescentes v. fuscescentes; perithecia hypophylla, hinc inde densiuscule multi-gregaria, immersa, epidermide velata, e conoideo lenticularia ( $75-80 \mu$ ), vix prominula atra glabra tenui membranacea, contextu parenchymatico, olivaceo, ostiolo impresso donata; asci cylindraceo-obclavati, antice truncato-rotundati, crassiuscule tunicati, postice abrupte coarctati ac pedicello brevissimo noduloso suffulti ( $20-25 \times 5-6 \mu$ ), octospori, aparaphysati; sporidia di-tristicha, e cylindraceo subclavulata sursum obtusiuscula, deorsum acutiuscule rotundata ( $9-10 \times 2 \mu$ ), medio 1-septata, non v. vix constrictula, hyalina.

*Hab.* Ad folia dejecta *Berberidis ilicifoliae* in dumetis in *Staten Island*, Mart. 1882.

196. SPHAERELLA EMBOTRYI Speg. (n. sp.)

*Diag.* Maculae nullae v. vix manifestae, totum folium ambientes, cinerascetes; perithecia hypophylla dense aggregata immersa epidermide velata vix prominula, e conico lenticularia ( $50-70 \mu$ ) coriacello-membranacea, contextu parenchymatico-olivaceo parum distincto, ostiolo impresso perforata; asci obclavati, antice trun-

cato rotundati, postice abrupte coarctati, ac pedicello brevissimo, crassiusculo suffulti ( $25-30 \times 10 \mu$ ), octospori, aparaphysati; sporidia elliptico-clavulata, utrinque obtusiuscula ( $8 \times 3 \mu$ ), medio 1-septato-constricta, loculis subcoarctatis, hyalina.

*Hab.* Ad folia languida v. dejecta *Embotryi coccinei* in insula *Aicina*, *Beagle channel*, Maj. 1882.

197. SPHAERELLA FUEGIANA Speg. (n. sp.)

*Diag.* Maculae nullae; perithecia hypophylla, sparsa, lenticularia ( $90-100 \mu$ ), atra glaberrima membranaceo-coriacella, contextu dense parenchymatico olivaceo; asci cylindraceo-obclavati, apice rotundato-subtruncati crasse tunicati non v. vix 1-foveolati, basi abrupte minuteque coarctato-stipitati ( $30-40 \times 8-10 \mu$ ), octospori, aparaphysati; sporidia elliptico-obovata, utrinque obtusiuscula ( $7,5-8,5 \times 3-4 \mu$ ), loculo supero nonnihil crassiore brevioraque, hyalina.

*Hab.* Ad folia *Acaenae adscendentis* languida rarissime in *Shammacus*, Maj. 1882.

198. SPHAERELLA GUNNERAE Speg. (n. sp.)

*Diag.* Maculae nullae v. pallescentes, indeterminatae; perithecia epiphylla, sparsa, immerso-prominula, e conico lenticularia ( $80-90 \mu$ ), glabra atra coriacella contextu atro indistincto ostiolo minuto perforata; asci cylindraceo-clavati, sessiles, antice rotundati tenue tunicati, postice attenuato-rotundati ( $45 \times 9 \mu$ ), octospori, aparaphysati; sporidia elliptico-subclavulata, utrinque obtusiuscula ( $8-9 \times 3 \mu$ ), medio septata, non constricta, hyalina.

*Hab.* Ad folia viva v. languida *Gunnerae lobatae* in pratis uliginosis, *Basket island*, Maj. 1882.

199. SPHAERELLA MAYTENI Speg. (n. sp.)

*Diag.* Maculae nullae v. totum folium ambientes are-scenti-cinereae, indeterminatae; perithecia hypophylla laxe gregaria epidermide velata prominula e lenticulari conoidea (100-120  $\mu$ ) atra glabra coriacella, contextu parenchymatico fuligineo, ostiolo minuto perforata; asci obclavati, antice truncato-rotundati, crassiuscule tuni-cati, postice abrupte coarctati ac pedicello parvulo noduloso suffulti (50-55  $\times$  10  $\mu$ ), octospori, aparaphy-sati; sporidia disticha elliptico-elongata subclavulata utrinque obtusa (12-13  $\times$  4  $\mu$ ) medio 1-septata non v. vix constricta hyalina.

*Hab.* Ad folia emortua adhuc pendula *Mayteni* prope *Shammacus*, Maj. 1882.

*Obs.* A *Sph. aiacu* Speg. toto coelo diversa!

200. SPHAERELLA PATAGONICA Speg. — Fung. pat. n. 124.

*Hab.* Ad folia emortua *Azorellae trifurcatae* vulgatis-sima per *Fuegiam* totam, aut. et hiem. 1882.

201. SPHAERELLA PERNETTIAE Speg. (n. sp.)

*Diag.* Maculae nullae; perithecia hypophylla sparsa, e globoso lenticularia (100-120  $\mu$ ), epidermide velata, pro-minula atra glabra coriaceo-membranacea, contextu indistincto fuligineo opaco, ostiolo pusillo perforata; asci obclavati, antice truncato-rotundati non v. vix 1-foveolati postice attenuato-coarctati, stipite brevissimo crasso noduloso suffulti (40-45  $\times$  10-12  $\mu$ ), octospori, aparaphysati; sporidia di-polysticha e cylindraceo fu-soidea, utrinque obtusiuscula (15-17  $\times$  3  $\mu$ ), saepius curvula, medio 1-septata non constricta, hyalina.

*Hab.* Ad folia emortua arida dejecta v. adhuc pendula *Pernetiae mucronatae* in *Staten island*, Mart. 1882.

202. SPHAERELLA ROSTHKOVIAE Speg. (n. sp.)

*Diag.* Maculae nullae v. late ambientes, indeterminatae

e pallescenti fuscescentes; perithecia sparsa immersa vix prominula lenticularia (90-95  $\mu$ ) atra glabra coriacea, contextu densiuscule parenchymatico fusco-atro; asci ovati, antice truncato-rotundati crassissime tunicati latissime 1-foveolati, postice rotundato-coarctati (26-28  $\times$  8  $\mu$ ) stipite brevissimo noduloso suffulti; sporidia inordinata elliptico-clavulata, utrinque obtuse rotundata (8  $\times$  1,5-2  $\mu$ ) primo grosse 4-guttulata, dein 1-septata non constricta, hyalina.

*Hab.* In culmis dejectis putrescentibus *Rostkoviae (junci) grandiflorae* in *Staten island*, Maj. 1882.

203. SPHAERELLA TRISSETI Speg. (n. sp.)

*Diag.* Maculae nullae; perithecia hypophylla sparsa v. laxe gregaria ac subseriata immersa non v. vix prominula lenticularia (70-80  $\mu$ ) tenui membranacea, contextu parenchymatico fuligineo, ostiolo latissimo (20  $\mu$  diam.) impresso perforata, globosa laevia; asci cylindraceo-ovati, antice truncato-rotundati crasse tunicati non foveolati, postice brevissime cuneati (24-26  $\times$  8  $\mu$ ) stipite brevissimo crasso noduloso suffulti, octospori, aparaphysati; sporidia di-polysticha, subclavulato-elliptica, utrinque truncato-rotundata (10-12  $\times$  2,5  $\mu$ ), medio 1-septata constrictula, loculo supero nonnihil crassiore, hyalina.

*Hab.* Ad folia languida *Triseti* in summis montibus in *Staten island*, Maj. 1882.

204. SPHAERELLA USHUVAIENSIS Speg. (n. sp.)

*Diag.* Maculae nullae; perithecia sparsa epidermide velata lenticularia (90-100  $\mu$ ) atra glabra coriacea opaca, contextu tantum in parte infera distincte majusculeque parenchymatico fuligineo, ostiolo minuto pertusa; asci cylindraceuto-obclavati, antice obtuse rotundati v. subtruncato-rotundati subcrassiuscule tunicati non v. vix



1-foveolati, postice attenuato-rotundati ( $28-32 \times 5 \mu$ ), stipite breviusculo crassiusculoque suffulti, octospori, aparaphysati; sporidia cylindraceo-subclavulata, utrinque acuta sed obtuse rotundata ( $7-9 \times 2 \mu$ ), medio 1-septata leniter constricta, loculis minute 2-guttulatis, supero vix crassiore, hyalina.

*Hab.* In caulibus emortuis aridis *Galii antarctici* prope *Ushuvaia*, Maj. 1882.

205. *DIDYMELLA?* *CARPHAE* Speg. (n. sp.)

*Diag.* Maculae nullae; perithecia sparsa v. laxissime gregaria globoso-lenticularia ( $130-150 \mu$ ) epidermide velata atra glabra membranaceo-coriacella, contextu densiuscule parenchymatico fuligineo, ostiolo vix papillulato obtuso donata; asci cylindracei, apice truncato-rotundati crassiuscule tunicati, basi breviter attenuato-pedicellati ( $55-60 \times 6-7 \mu$ ), paraphysibus crassiusculis guttulatis inmixti, octospori; sporidia elliptico-ovoidea v. subbiconica, utrinque obtusiuscula ( $10 \times 4,5-5 \mu$ ), primo continua hyalina, dein diblasta pallide fuscescentia.

*Hab.* Ad scapos vaginasque *Carphae schoenoidis* in *Staten island*, Mart. 1882.

206. *EPICYMATIA VULGARIS* Fr.— Sacc., Syll. I, p. 571.

*Hab.* Non rara in *apotheciis* lichenum plurimorum in *Staten island* et in *Fuegia*, aest. et hiem. 1882.

207. *VENTURIA ANTARCTICA* Speg. (n. sp.)

*Diag.* Maculae nullae; perithecia superficialia subglobosa ( $60-90 \mu$ ), sparsa v. laxe gregaria atra laevia ad partem superam pilis brevissimis carbonaceis atris opacis rigidulis acutis basi non v. vix incrassatis ( $40-45 \times 3-4 \mu$ ) laxe vestita, coriacella, contextu sinuoso-parenchymatico densissimo parum distincto fuligineo do-

nata, ostiolo minuto pertusa; asci subfusoides, antice truncati crassiuscule tunicati bifoveolati, postice attenuati ac pedicello crassiusculo suffulti ( $25-27 \times 4-5 \mu$ ), octospori, aparaphysati; sporidia recte v. oblique disticha nonnihil inaequilateralia v. subcurvula, medio 1-septata ac leniter constricta, loculis subaequalibus v. supero non v. vix majore, utrinque obtusiuscula ( $6-7 \times 2-2,5 \mu$ ), minute 4-guttulata, hyalina.

*Hab.* Ad hypophyllum foliorum putrescentium *Mayteni* prope *Shammacus*, Maj. 1882.

208 VENTURIA MICROSPORA Speg. (n. sp.)

*Diag.* Maculae nullae; perithecia sparsa v. laxe gregaria, subseriata globosa ( $120-150 \mu$ ), in sicco collabescentia, pilis opacis atris acutis basi non v. vix dilatatis ( $20-30 \times 2-3 \mu$ ) undique densiuscule vestita, tenui membranacea, contextu indistincto atro opaco donata, ostiolo vix papillulato obtuso coronata; asci subclavulato-fusoides, antice late truncato-rotundati non v. vix crassiuscule tunicati, deorsum breviter attenuato-pedicellati ( $24-25 \times 2-2,5 \mu$ ), octospori, aparaphysati; sporidia elliptico-elongata, non v. leniter inaequilateralia v. subcurvula, medio 1-septata non constricta, utrinque obtuse rotundata v. subtruncata ( $5 \times 1 \mu$ ), loculis grosse biguttulatis, hyalina.

*Hab.* Ad folia dejecta v. languida *Faestuae magellanicae* in *Staten island*, Mart. 1882.

209. VENTURIA? FUEGIANA Speg. (n. sp.)

*Diag.* Maculae nullae; perithecia hinc inde laxe gregaria, ligno denudato insidentia, subglobosa (sicca collapsa), parvula ( $110-130 \mu$ ), pilis carbonaceis aculeiformibus acutis opacis basi non incrassatis ( $25-40 \times 5 \mu$ ) praecipue in parte supera laxe vestita, membranaceo-coriacea, contextu subindistincto atro, ostiolo impresso per-

forata; asci obclavati antice rotundato-subtruncati crassiuscule tunicati 1-foveolati, deorsum subcoarctato-rotundati brevissime minuteque stipitati ( $40-45 \times 5 \mu$ ), octospori, aparaphysati; sporidia recte v. oblique disticha, elliptico-elongata, quandoque non v. vix obovata, utrinque obtuse rotundata ( $11-12 \times 3 \mu$ ), recta v. leniter inaequilateralia, diblasta, hyalina.

*Hab.* Ad ramos dejectos decorticatos putrescentes *Fagi betuloidis* in *Staten island*, Mart. 1882.

*Obs.* Species *Eriosphaeriae exiguae* Sacc. (Syll. I, p. 517) peraffinis; generi *Venturia* illam adscripsi praecipue paraphysibus deficientia.

210. *ERIOSPHAERIA AUSTRALIS* Speg. (n. sp.)

*Diag.* Perithecia sparsa globosa ( $400-450 \mu$ ) peridermio sublevato velata, eoque saepius secedente libera, superficialia atra molliter rufescenti-villosa, pilis cylindraceis longiusculis obtusis basi non incrassatis ( $100-150 \times 5 \mu$ ) rectis v. flexuosulis pluriseptatis pallide rufescentibus vestita, coriaceo-membranacea, contextu parenchymatico fuligineo, ostiolo impresso pertusa; asci fusoido-subclavati ( $120-130 \times 12-13 \mu$ ), antice truncato-rotundati, deorsum breviter crasseque attenuato-pedicellati octospori subdiffluentes, paraphysibus parvis mucosis inmixti; sporidia recte disticha, elliptico-elongata ( $24-28 \times 6-7 \mu$ ), leniter inaequilateralia v. subcurvula, utrinque obtusiuscula, primo continua hyalina, dein grosse 2-guttulata, postremo diblasta dilute fuscescentia.

*Hab.* Ad ramos emortuos *Berberidis ilicifoliae* prope *Port Cook* in *Staten island*, Mart. 1882.

211. *ERIOSPHAERIA ? VULGARIS* Speg. (n. sp.)

*Diag.* Perithecia sparsa, superficialia, subglobosa ( $350-400 \mu$ ) atra canescenti-villosa, pilis rectis acutis, 1-

cellularibus basi fuscescentibus apice hyalinis tenuissime canaliculatis ( $500-900 \times 20 \mu$ ) rigidulis dense vestita, coriacea, contextu opaco atro indistincto, ostiolo minute umbonato ornata; asci.....?; sporidia.....?, non visa.

*Hab.* Vulgatissima ad ramos dejectos decorticatos putrescentes *Fagi betuloidis* per totam *Fuegiam* (semper sterilis), aest. et hiem. 1882.

212. MELANCONIS ANTARCTICA Speg.—Fung. pat. n. 128.

*Hab.* Vulgata in ramis dejectis *Fagorum* per *Fuegiam* totam, hiem. 1882.

*Obs.* Stroma albo-flavescens v. sulfureum; sporidia ( $25-30 \times 5-7 \mu$ ) per aetatem denudata ecaudata pallidissime rufescenti-carnea.

213. DIAPORTHE AMBIENS Fuck. — Sacc., Syll. I, p. 660.

*Hab.* In caulibus emortuis *Cerastii* spec. in scopulis prope *Port Cook, Staten island*, Mart. 1882.

*Obs.* Asci cylindraceo-fusoidei ( $40-45 \times 5 \mu$ ); sporidia cylindraceo-elliptica utrinque obtusa ( $9-10 \times 3 \mu$ ) hyalina, medio 1-septata non constricta, loculis 2-guttulatis.

214. DIAPORTHE WINTERI Speg. (n. sp.)

*Diag.* Tetrastaga; stromata parum manifesta late per corticem excurrentia; perithecia hinc inde sparsa v. plus minusve dense aggregata, peridermium non v. vix fissum ac pustulato-elevatum tecta, globulosa ( $300-350 \mu$ ) coriaceo-membranacea atra glabra, contextu indistincto opaco, ostiolo carbonaceo vix papillulato coronata; asci fusioideo-clavati, antice obtuse rotundati v. subtruncati crasse tunicati bifoveolati, postice attenuati acutato-rotundati sessiles ( $60-65 \times 8-9 \mu$ ), octospori, aparaphysati; sporidia oblique mono-v. disticha, elliptica non v. subovata, utrinque obtuse rotundata

(12-14  $\times$  3,5-5  $\mu$ ), recta v. leniter inaequilateralia, medio 1-septata constrictula, loculis (supero non v. vix crassiore) granuloso-farctis saepe minute biguttulatis, hyalina.

*Hab.* Ad corticem ramorum emortuorum *Drymidis Winteri* in *Staten island*, Mart. 1882.

215. DIAPORTHE ANTARCTICA Speg. (n. sp.)

*Diag.* Euporthe; stromata plus minusve late effusa, in ramis denudatis maculas extus irregulariter elongata, strictas (1-2"  $\times$  1-2") tumidulas atras subcrustosas, intus pallescentes v. albas linea tenuissima candida limitatas efficientia; perithecia densiuscule constipata subseriata ligno immersa subprominula globulosa (400-450  $\mu$ ) tenui membranacea fusca, contextu parenchymatico oblongo subimperspicuo donata, ostiolo minuto obtuso brevissimo non v. vix papillulato coronata; asci fusoides, antice obtuse rotundati, postice attenuato-acutati (40-60  $\times$  10-14  $\mu$ ), octospori, paraphysati; sporidia oblique disticha, elliptica utrinque obtuse acutata (14-15  $\times$  5-6  $\mu$ ), medio 1-septata lenissime constricta, loculis non v. grosse 2-guttulatis, hyalina.

*Hab.* Ad ramos emortuos *Pernetiae mucronatae* in dumetis in *Staten island*, Mart. 1882.

216. DIAPORTHE MAGELLANICA Speg.—Fung. pat. n. 129.

*Hab.* Ad ramos emortuos *Ribis magellanicae* in *Staten island* et *Fuegia*, vulgata per aest. et hiem. 1882.

217. DIAPORTHE FUEGIANA Speg. (n. sp.)

*Diag.* Euporthe; stromata plus minusve late effusa in ramis decorticatis, maculas extus atras crustosas undulatas irregulariter lineares (1-5"  $\times$  1-3") flexuosas intus albas linea nigra tenui limitatas efficientia; perithecia densiuscule constipata v. subseriata ligno im-

mersa, contextu parenchymatico-sinuoso subindistincto donata, ostiolo carbonaceo elongato longiuscule exerto crassiusculo recto v. flexuoso coronata; asci fusoidi, apice stricte rotundato subtruncati, postice acutato-rotundati ( $60-65 \times 10 \mu$ ), octospori, aparaphysati; sporidia oblique disticha, elliptico-elongata, utrinque acuta ac strictissime rotundato-subtruncata ( $18-20 \times 5-6 \mu$ ) medio 1-septata non constricta, loculis saepe parce coarctatulis non v. grosse 2-guttulatis, hyalina.

*Hab.* Non rara in ramis emortuis *Chilotrichi amelloidis* per *Fuegiam* totam, hiem. 1882.

KACOSPHERIA Speg. (n. gen.)

*Diag.* Perithecia *Calophaeriae*; asci clavati octospori, paraphysati; sporidia botuliformia 1-septata hyalina.

218. KACOSPHERIA ANTARCTICA Speg. (n. sp.)

*Diag.* Acervuli sparsi v. laxe gregarii discoidei (1-1,5" diam.) pustuliformes, in cortice nidulantes peridermio parum elevato tecti ac eum disculo perforantes; perithecia pauca (4-9) in quoque acervulo valsiformiter laxe aggregata nuda atra nitidula glabra parvula ( $280-320 \mu$ ) coriacea, contextu opaco indistincto, ostiolis breviusculis obtusis crassiusculis conniventibus, disculum non v. vix exertum saepe griseo-pulverulentum efformatibus donata; asci clavati, antice obtusissime rotundati crassiuscule tunicati, deorsum in pedicello longiusculo attenuati (p. sp.  $22-25 \times 4-5 \mu$  — ped.  $18-25 \times 2 \mu$ ), octospori paraphysibus duplo longioribus parvis crassiusculis inmixti; sporidia di-tristicha, botuliformia utrinque obtuse rotundata ( $9-11 \times 1,5 \mu$ ), primo diblasta, dein distincte medio 1-septata non constricta, hyalina.

*Hab.* Ad ramos dejectos emortuos *Ribis magellanicae* prope *Ushuvaia*, Jun. 1882.

219. *DIDYMOSPHERIA EMPETRI* (Fr.) Sacc. — Syll. I, p. 704.

*Hab.* Ad folia ramosque emortuos *Empetri rubri* non rara in *Staten island*, Mart. 1882.

*Obs.* Asci cylindranei (70-75  $\times$  10  $\mu$ ), antice truncato-rotundati, postice brevissime attenuato-pedicellati; sporidia oblique monosticha, elliptico-cylindranea utrinque obtusa (14-15  $\times$  5  $\mu$ ) subinaequilateralia, pallide fuliginosa.

220. *DELITSCHIA PATAGONICA* Speg. — Fung. pat. n. 130.

*Hab.* In fimo ovino et auchenino prope *Ushuvaia* et *Slogget bay*, Maj. et Jun. 1882.

*Obs.* Specimina fuegiana omnibus partibus nonnihil majora; perithecia 750-900  $\mu$  diametro; asci 250-260  $\times$  25-30  $\mu$ ; sporidia 40-45  $\times$  18-20  $\mu$ . An species distincta?

221. *METASPHERIA INSULARIS* Speg. (n. sp.)

*Diag.* Maculae nullae; perithecia sparsa immersa globulosa (180-200  $\mu$ ) coriacea atra glabra, contextu pelucido subindistincte parenchymatico fuligineo, ostiolo rotundo-carbonaceo papillulato epidermidem perforante non v. vix exerto donata; asci cylindranei, antice rotundati subcrassiuscule tunicati, deorsum breviter attenuati ac in pedicello brevissimo crassoque (100-110  $\times$  8-10  $\mu$ ) producti, octospori, paraphysibus densiusculis filiformibus obvallati; sporidia recte v. alternatodisticha, fusoides, utrinque acutiuscula (19-22  $\times$  4  $\mu$ ), 5-7-blastes v. 5-7-septata, ad septa parce constricta, loculo tertio supero saepius nonnihil crassiore, strato mucoso hyalino crasso cincta, hyalina.

*Hab.* Ad vaginas putrescentes *Poae Forsteri* in maritimis prope *Penguin rookery*, *Staten island*, Mart. 1882.

*Obs.* Ascorum sporarumque structura lophiostomacea sed ostiolo rotundo !

222. MELOMASTIA ANTARCTICA Speg. (n. sp.)

*Diag.* Perithecia sparsa ligno immersa v. basi tantum insculpta e conoideo globosa magnitudine ludentia (400-900  $\mu$ ) atra carbonacea glabra laevia, contextu indistincto, ostiolo crasso acuto rigido saepe deciduo breviusculo instructa; asci cylindranei, apice truncati crasse tunicati 1-foveolati, deorsum breviter crasseque attenuato-pedicellati (130-150  $\times$  6  $\mu$ ), octospori, paraphysibus densissimis filiformibus obvallati; sporidia recte monosticha, cylindraneo-elliptica, utrinque rotundata (15  $\times$  4,5  $\mu$ ), primo 3-blasta, dein 2-septata, ad septa constricta, loculis grosse 1-guttulatis, hyalina.

*Hab.* Ad ramos dejectos *Pernetiae mucronatae*, *Empetri rubri* et *Escalloniae serratae* non rara in *Staten island*, Mart. 1882.

223. ZIGNOELLA ANTARCTICA Speg. (n. sp.)

*Diag.* Perithecia in matrice canescenti-fuscescente sparsa v. gregaria, globulosa (350-400  $\mu$ ) e latere nonnihil compressa carbonacea glaberrima laevissima basi insculpta, contextu indistincto, ostiolo crassiusculo rigido obtuso umbilicato-scutato coronata; asci clavati mox diffluentes paraphysibus filiformibus densis obvallati; sporidia elliptico-elongata, utrinque rotundata (20-30  $\times$  5  $\mu$ ), triseptata, ad septa non constricta, loculis non v. guttulatis, hyalina.

*Hab.* Ad truncos putrescentes decorticatos *Fagi betuloidis* in *Staten island*, Mart. 1882.

224. ZIGNOELLA AUSTRALIS Speg. (n. sp.)

*Diag.* Perithecia in matrice dealbata sparsa v. hinc inde laxe gregaria, e globoso conoidea (180-200  $\mu$ ), vix basi



insculpta, carbonacea, atra, laevia; asci cylindranei, apice truncati crasse tunicati minute 1-foveolati, basi breviter crasseque attenuato-pedicellati ( $75-80 \times 6-7 \mu$ ), octospori, paraphysati, iodi ope nulla; sporidia elliptico-elongata, parce inaequilateralia ( $16-17 \times 3-3,5 \mu$ ), utrinque obtuse rotundata, grosse 4-6-guttulata, 3-septata, ad septa non constricta, hyalina.

*Hab.* In ligno putrescente *Fagi betuloidis* in *Staten island*, Mart. 1882.

225. *ZIGNOELLA FUEGIANA* Speg. (n. sp.)

*Diag.* Perithecia in matrice dealbata immersa vix superne parce exerta, e globoso-compressula ( $350-400 \mu$ ), sparsa v. hinc inde laxé gregaria v. subseriata, atra, glabra, superne membranacea, contextu parum distincto pallide olivaceo, ostiolo vix papillulato crasso obtuso late pertuso rotundo carbonaceo donata; asci leniter obclavati, antice rotundato-truncati crassiuscule tunicati late 1-foveolati, deorsum rotundato-coarctati pedicello brevissimo crasso noduloso suffulti ( $55-65 \times 15-20 \mu$ ), octospori, paraphysibus parcis filiformibus obvallati; sporidia di-tristicha, obovata, superne obtusiuscula inferne acutiuscule rotundata ( $19-20 \times 6-7 \mu$ ), 3-septata, ad septa non constricta, hyalina.

*Hab.* In truncis fagineis decorticatis putrescentibus prope *Ushuvaia* et *Slogget bay*, hiem. 1882.

226. *ZIGNOELLA LEPTOSPERMA* Speg. (n. sp.)

*Diag.* Maculae nullae; perithecia sparsa v. hinc inde 2-4-gregaria globosa ( $350-400 \mu$ ) superficialia laevia glabra carbonacea atra, contextu indistincto, ostiolo impresso pertusa; asci cylindraneo-fusoidei, apice truncati crassiuscule tunicati, deorsum breviuscule ac tenuiter cuneato-pedicellati ( $150-200 \times 10-14 \mu$ ), octospori, paraphysati; sporidia oblique mono-v. di-sticha, cylin-

draceo-fusoidea, utrinque acutiuscula ( $45-48 \times 5-6 \mu$ ), 6-blasta, hyalina.

*Hab.* In ramis decorticatis putrescentibus *Pernetiae mucronatae* in *Wallamatu, Beagle channel*, Maj. 1882.

227. *ZIGNOELLA LONGISPORA* Speg. (n. sp.)

*Diag.* Maculae late effusae indeterminatae atrae; perithecia sparsa v. laxe gregaria, superficialia, e globoso obovata ( $220-350 \mu$ ), atra glabra, carbonacea, contextu indistincto opaco, ostiolo minutissimo vix papillulato donata; asci e fusoideo subclavati, antice rotundati non v. vix crasse tunicati late 1-foveolati, deorsum brevissime crasseque attenuato-pedicellati ( $110-120 \times 6-7 \mu$ ), octospori, paraphysibus paucis filiformibus crassiusculis guttulis obvallati; sporidia di-tri-sticha acicularia v. fusoideo-elongata, non v. vix superne incrassatula, saepius subcurvula, utrinque acuta ( $50-60 \times 2-4 \mu$ ), grosse 6-guttulata, hyalina.

*Hab.* In ramis putrescentibus *Berberidis ilicifoliae* in *Port Tom, Schyring island*, Jun. 1882.

228. *LEPTOSPHAERIA ANTARCTICA* Speg. (n. sp.)

*Diag.* Maculae nullae v. fusciscentes indeterminatae parvulae; perithecia saepius gregaria v. subseriata immersa non prominula, globulosa ( $200-250 \mu$ ), atra, glabra tenui membranacea, contextu parenchymatico fuligineo, ostiolo vix papillulato epidermidem perforante sed non exerto ornata; asci cylindranei, antice obtuse rotundati crassiuscule tunicati late 1-foveolati, postice attenuato-cuneati pedicello brevissimo crasso noduloso suffulti ( $75-80 \times 10 \mu$ ) octospori, paraphysibus filiformibus obvallati; sporidia elongato-fusoidea, utrinque obtusiuscule rotundata ( $45 \times 3 \mu$ ), non v. vix inaequalateralia, 7-septata, ad septum medium tantum constricta, loculis granuloso-farctis, pallide olivascentia.

229. LEPTOSPHERAERIA CREPINI (West.) DNtrs. — Sacc., Syll. II, p. 79.

*Hab.* Non rara in foliis bracteisque [*Lycopodii magellanici* in *Staten island* et in *Fuegia*, aest. et hiem. 1882.

*Obs.* Asci clavulati (90-100  $\times$  12-13  $\mu$ ) parce paraphysati; sporidia disticha elliptico-elongata (26-30  $\times$  8-9  $\mu$ ), utrinque obtusiuscula, triseptata, flavida.

230. LEPTOSPHERAERIA CULMIFRAGA (Fr.) Ces. et DNtrs — Sacc., Syll. II, p. 75.

*Hab.* Vulgata ad culmos putrescentes graminacearum majorum per totam *Fuegiam*, aest. et hiem. 1882.

231. LEPTOSPHERAERIA FUEGIANA Speg. (n. sp.)

*Diag.* Maculae nullae; perithecia sparsa hypophylla immersa non v. vix prominula, globulosa (150-200  $\mu$ ), atra, glabra, membranacea, contextu pellucido grosse parenchymatico-fuligineo, ostiolo subcarbonaceo papillulato epidermidem perforante sed non exerto donata; asci cylindranei, antice rotundati, postice breviter cuneato-rotundati, stipite brevissimo crassoque suffulti (40-45  $\times$  10  $\mu$ ), octospori, paraphysati; sporidia disticha, elliptico-fusoidea, utrinque acutiuscule rotundata (18-20  $\times$  5  $\mu$ ), triseptata, ad septum medium non v. leniter constricta, oculis eguttulatis, secundo supero crassiore, flavescencia.

*Hab.* In *Hierochloae antarcticae* foliis culmisque putrescentibus in pratis prope *Penguin rookery*, *Staten island*, Mart. 1882.

232. LEPTOSPHERAERIA MACULANS (Dsm.) Ces et DNtrs. — Sacc., Syll. II, p. 35.

*Hab.* In caulibus emortuis putrescentibus *Perremondiae* spec. in *Aicina insula*, *Beagle channel*, Maj. 1882.

233. *HERPOTRICHIA ANTARCTICA* Speg. (n. sp.)

*Diag.* Perithecia ligno insidentia, cortice tecta, eoque secedente nuda, superficialia laxe gregaria, globulosa (200-250  $\mu$ ), atra, molliter fusco-lanuginosa, pilis gracilibus (100-600  $\times$  2  $\mu$ ) continuis apice obtusiusculis non ramosis noduloso-veruculosis fuligineis dense intricatis vestita, coriaceo-membranacea, contextu opaco atro indistincto, ostiolo impresso concolore pertusa; asci cylindranei v. cylindraneo-subclavati, antice obtuse rotundati, deorsum in pedicello subbrevisculo crasso attenuati (55-75  $\times$  7-8  $\mu$ ), octospori, densiuscule paraphysati; sporidia recte disticha v. oblique monosticha, elliptico-obovata, utrinque obtusiuscule acutata (14  $\times$  4  $\mu$ ), 3-septata, ad septum medium constrictula, fuliginea, loculis 2 mediis non v. vix obscurioribus.

*Hab.* In ramis emortuis v. languentibus *Chilotrichi amelloidis* in *Staten island*, Mart. 1882.

234. *MELANOMMA AUSTRALE* Speg. (n. sp.)

*Diag.* Perithecia ligno denudato insidentia v. cortice secedente tecta, densiuscule aggregata, subsuperficialia, basi vix insculpta, globulosa (180-250  $\mu$ ), atra, glaberrima, laevissima, saepe subnitentia, carbonacea, contextu opaco indistincto, ostiolo minuto vix impresso (rarius subpapillulato) donata; asci cylindranei apice rotundati crassiuscule tunicati late 1-foveolati, deorsum breviter crasseque attenuato-pedicellati (75-110  $\times$  6-8  $\mu$ ), octospori, dense paraphysati; sporidia oblique monosticha, elliptico-ovoidea, utrinque obtusiuscula (12-15  $\times$  5-5,5  $\mu$ ), 3-septata, non v. leniter inaequalia, ad septa constrictula, praecipue ad medium, loculis saepius grosse 1-guttulatis, pallide ex olivaceo cinerascens.

*Hab.* Vulgata in ramis emortuis *Pernetiae*, *Ribis*, *Chi-*

*liotrichi, Empetri, Myrti, etc. per totam Fuegiam et Staten island, aest. et hiem. 1882.*

235. MELANOMMA FUEGIANUM Speg. (n. sp.)

*Diag.* Chaetomastia ; perithecia ligno nigrificato sparsa v. aggregata, subglobosa (130-150  $\mu$ ), basi insculpta, atra, primo laxe puberula, pilis conoideis opacis acutis (15  $\times$  2  $\mu$ ) vestita, per aetatem glabrata, carbonacea, contextu indistincto atro opaco, ostiolo non v. vix papillulato coronata ; asci cylindranei v. subfusoido-cylindranei, antice truncato-rotundati crassiuscule tunicati, postice brevissime crasseque attenuato-pedicellati (50  $\times$  6  $\mu$ ), octospori, parce paraphysati ; sporidia recte v. oblique disticha v. monosticha, elliptico-obovatula v. subbiconica, recta, utrinque acutiuscula (10-11  $\times$  3  $\mu$ ), 3-septata, ad septa leniter constricta, pallide fuliginea, loculis grosse 1-guttulatis, secundo supero crassiore, duobus extimis pallidioribus.

*Hab.* In ramis dejectis emortuis *Fagi obliquae* ? in sylvis prope *Ushuvaia*, Maj. 1882.

236. MELANOMMA NIGRISEPTA Speg. (n. sp.)

*Diag.* Perithecia sparsa ligno infuscato immersa v. basi tantum infossa, globuloso-compressa (400-600  $\mu$ ), atra, glabra, crasse carbonacea, contextu indistincto opaco, ostiolo non v. vix papillulato latiusculo subumbilicato coronata ; asci cylindranei, antice rotundati crassiuscule tunicati late 1-foveolati, postice plus minusve attenuato-pedicellati (150-200  $\times$  14  $\mu$ ), densiuscule paraphysati, 4-8-spori ; sporidia recte monosticha elliptica elongata v. subfusoida, utrinque obtusiuscule rotundata (30-40  $\times$  10-12  $\mu$ ), subcurvula v. leniter inaequilateralia, 7-9-septato-constricta, pallide fuliginea, septis crassis nigris opacis notata.

*Hab.* Ad ramos emortuos v. vivos *Escalloniae serratae* in *Staten island*, Mart. 1882.

*Obs.* Species habitu fungino sed ascorum sporarumque fabrica lichenina! Gonidia non visa! Iodi ope nulla.

237. TREMATOSPHERIA? LOPHIOSTOMOIDES Speg. (n. sp.)

*Diag.* Perithecia ligno semiinfossa, cortice primo tecta, dein denudata, e lenticulari globosa, e latere compressa (200-250  $\mu$ ), coriaceo-carbonacea, atra, glabra, contextu indistincto, ostiolo papillulato crasso obtuso compressiusculo ore rotundo facile deciduo, ac foramen latiusculum relincente donata; asci cylindranei v. cylindraneo-subclavati, sursum rotundati v. subtruncati crasse tunicati late 1-foveolati, deorsum crasse attenuato-pedicellati (85-95  $\times$  10  $\mu$ ), tunica iodi ope perdilute coerulescente, octospori, paraphysibus filiformibus simplicibus v. ramosis densiuscule obvallati; sporidia elliptico-fusoidea, utrinque obtusiuscula (18-20  $\times$  4-5  $\mu$ ), primo 1-septato-constricta, loculis grosse 1-guttulatis ac medio subcoarctatis, hyalina, dein 3-septata, septo medio tantum valide constricta, pallide fuliginea, recta v. subcurvula.

*Hab.* Ad ramos dejectos putrescentes *Mayteni* in sylvis prope *Shammacus*, Maj. 1882.

238. SPORORMIA MINIMA Awd. — Speg., Fung. pat. n. 135.

*Hab.* In fimo vaccino putrescente in pratis prope *Ushuvaia*, Maj. 1882.

239. SPORORMIA INTERMEDIA Awd.—Speg., Fung. pat. n. 139.

*Hab.* In fimo ovino et equino vetusto in pratis prope *Ushuvaia*, Maj. et Jun. 1882.

240. SPORORMIA AMBIGUA Niessl. — Speg., Fung. pat. n. 136.

*Hab.* In fimo ovino et auchenino prope *Ushuvaia* et *Slogget bay*, Maj. et Jun. 1882.

241. SPORORMIA PATAGONICA Speg. — Fung. pat. n. 140.  
*Hab.* In stercore vetusto *Aucheniae guanaci* in her-  
bosis prope *Slogget bay* et *Gertrude Cove*, Maj. et  
Jun. 1882.
242. SPORORMIA FUEGIANA Speg. (n. sp.)  
*Diag.* Sporormiella; perithecia sparsa, immersa, globu-  
losa (200-250  $\mu$ ), atra, glabra, coriacella, contextu opaco  
indistincto, ostiolo papillulato non v. vix exerto areola  
palescenti cincto donata; asci cylindranei, antice obtuse  
rotundati, postice abrupte coarctati (p. sp. 120-130  $\times$   
25  $\mu$ ) ac in pedicello brevi gracili (10-12  $\times$  3-5  $\mu$ ) pro-  
ducti, octospori, paraphysibus paucis simplicibus obval-  
latis; sporidia recte v. oblique disticha, cylindranea  
(50-55  $\times$  10-12  $\mu$ ), tetramera, articulis nunquam sece-  
dentibus, opace fuliginea, muco destituta.  
*Hab.* In fimo *Aucheniae guanaci* in sylvis prope *Slogget*  
*bay*, Jun. 1882.  
*Obs.* Species *Sp. leptosphaeroidi* Speg. satis affinis sed  
certe distincta ac mox dignoscenda.
243. SPORORMIA GRANDISPORA Speg. — Sacc., Syll. II, p. 128.  
*Hab.* In fimo anserino putrescente prope *Ushuvaia*,  
Maj. 1882.  
*Obs.* Specimina fuegiana a typo nonnihil recedunt; ascis  
gracilioribus (180-200  $\times$  20-25  $\mu$ ) parce paraphysatis;  
sporidiis tenuiter hyalino-tunicatis (65  $\times$  10-12  $\mu$ ).
244. SPORORMIA MEGALOSPORA Awd. — Sacc., Syll. II, p. 126.  
*Hab.* Vulgata in fimo anatino et anserino prope *Ushu-*  
*vaia* et *Wallamatu*, Maj. 1882.
245. SPORORMIA HEPTAMERA Awd. — Speg., Fung. pat. n. 143.  
*Hab.* In fimo murino in sylvis prope *Ushuvaia*, Maj. 1882.  
*Obs.* Specimina fuegiana ascis cylindraneis (200  $\times$  30  $\mu$ )

aparaphysatis, sporidiis ( $65 \times 13 \mu$ ) strato mucoso fere destitutis a typo recedunt.

246. SPORORMIA ANTARCTICA Speg. (n. sp.)

*Diag.* Eusporormia; perithecia sparsa v. laxe gregaria, rarius hinc inde 3-5-aggregata, immersa v. semiexerta, e conoideo globosa ( $350-450 \mu$ ), atra, glabra, contextu pellucido parenchymatico fuligineo, ostiolo papillulato crasso obtuso coronata; asci cylindraceo-clavati, antice truncato-rotundati, postice breviter crasseque attenuato-pedicellati ( $140-150 \times 25-30 \mu$ ), octospori, paraphysibus paucis saepius mox evanescentibus inmixti; sporidia di-tri-sticha, utrinque obtusiuscula, longitudine varia ( $45-65 \times 5-6 \mu$ ), 11-13-mera, articulis cuboideo-lenticularibus, facillime secedentibus, quarto v. quinto supero aliis crassiore ( $4-5 \times 5-6 \mu$ ), extimo supero hemisphaerico, extimo infero conico ( $4 \times 3 \mu$ ), opace fuliginea, strato mucoso hyalino plus minusve evoluto obovoluta.

*Hab.* In fimo *Berniclae antarcticæ* in marittimis arenosis prope *Ushuvaia*, Jun. 1882.

247. PLEOSPORA SPHAERELLOIDES Speg. (n. sp.)

*Diag.* Catharinia; maculae amphigenae indeterminatae superne canescentes inferne pallide roseo-aurantiae; perithecia immersa laxe gregaria v. subseriata, atra, glabra, globulosa ( $170-200 \mu$ ), coriacella, contextu indistincto opaco, ostiolo vix papillulato epidermidem perforante sed non exerto donata; asci cylindracei v. cylindraceo subobovati ( $50-60 \times 12-14 \mu$ ), antice late rotundati crasse tunicati 1-foveolati, postice abruptiuscule cuneato-pedicellati, octospori, aparaphysati; sporidia disticha obovato-subfusioidea, utrinque obtuse acutata ( $13-15 \times 4-5 \mu$ ), 5-septata, loculis 1-v. saepius



2 centralibus, septo altero verticali divisis (rarissime deficiente), hyalina.

*Hab.* Ad folia vaginasque *Poae Forsteri* prope *Port Cook* in *Staten island*, Mart. 1882.

*Obs.* Species ob maculas pulchras carneo-aurantias superficiem internam vaginalium latiuscule ambientes distinctissima.

248. PLEOSPORA ANTARCTICA Speg. (n. sp.)

*Diag.* Perithecia matrice nigrificata immersa v. semiimmersa, epidermide velata e globoso conoidea (180-200  $\mu$ ) atra glabra coriacea crassiuscula, contextu olivaceo parum distincto, ostiolo acutiusculo brevi coronata; asci cylindricei antice rotundato-subtruncati non v. vix crassiuscule tunicati non foveolati, postice brevissime crasseque attenuato-stipitati (80-90  $\times$  10-14  $\mu$ ), parcissime paraphysati, octospori, sporidia oblique monosticha v. recte disticha, elliptico-subfusoida, utrinque acute obtusata (20-25  $\times$  5-6  $\mu$ ), inaequilateralia v. subcurvula, horizontaliter 7-(rarius 3-5-) septata, ad septa (medio validius) leniter constrictula, loculis 4 (rarius 8) internis septo altero verticali divisis, dilute olivacea, loculis extimis pallidioribus.

*Hab.* In culmis putrescentibus graminacearum prope *Shammacus*, Maj. 1882.

249. PLEOSPORA FRETICOLA Speg. — Fung. pat. n. 147.

*Hab.* In scapo putrescente *Culcidii magellanici* prope *Wallamatu*, Maj. 1882.

250. PLEOSPORA PENTAMERA Karst. — Sacc., Syll. II, p. 266.

*Hab.* Non rara in foliis *Phlaei antarctici* et *Luzulae* prope *Ushuvaia*, Maj. 1882.

*Obs.* Sporidia elliptica v. ovoidea 4-septata (25  $\times$  11  $\mu$ ) constrictula utrinque obtusa pallidissime mellea.

251. PLEOSPORA FUEGIANA Speg. (n. sp.)

*Diag.* Maculae nullae; perithecia sparsa v. subseriata, hypophylla, globulosa (180-200  $\mu$ ), immersa, submembranacea, atra, contextu parenchymatico olivaceo, ostiolo non v. vix papillulato pertusa, glabra v. hyphis paucis ramosis intricatis (3-4  $\mu$  crass.) fuligineis laxe vestita; asci cylindranei, apice obtusiuscule rotundati tunica non v. vix incrassata, basi plus minusve attenuato-pedicellati (75-100  $\times$  13-15  $\mu$ ), octospori, paraphysibus crassis paucis nodulosis immixti; sporidia fusioidea, utrinque plus minusve acutata (24-26  $\times$  5-6,5  $\mu$ ), horizontaliter 5- (rarius 7-) septata, vix (ad medium validius) constrictula, loculo intimo supero tantum septo verticali (rarius deficiente) diviso, mellea v. pallide fuliginea, strato mucoso hyalino tenui obovoluta, in prima juventute saepe utrinque minute hyalino-apiculata.

*Hab.* In foliis dejectis *Poae Forsteri* in scopulosis prope *Chair island*, Maj. 1882.

*Obs.* Species pulchella partium fructificationis fabrica fere lophiostomacea, ostiolo tamen rotundo recedens.

252. PLEOSPORA GALLEGENSIS Speg. — Fung. pat. n. 144.

*Hab.* In scapis et foliis *Sisyrinchii filifolii* in *Smock island*, Jun. 1882.

*Obs.* Specimina fuegiana a typo nonnihil recedunt, ascis magis persistentibus cylindraneis v. cylindraneo-obovatis (75  $\times$  14  $\mu$ ) apice obtuse rotundatis tunica non v. vix incrassata, basi cuneatis ac pedicello brevissimo crassoque suffultis, aparamphysatis; sporidiis distichis (20-25  $\times$  5-9  $\mu$ ), flavescens, horizontaliter 4-septatis, loculis 2 v. 3 (rarius 1 v. 0) septo altero verticali continuo divisus.

253. PLEOSPORA HERBARUM (Pers.) Rabh. — Sacc., Syll. II, p. 247.

*Hab.* In petiolis ac scapibus *Hamadriadis* sp. in alpinis in *Staten island*, Mart. 1882.

*Obs.* Perithecia coriacea, immersa, glabra, lenticulari-globosa (300-350  $\mu$ ), ostiolato-papillulata, contextu indistincto; asci cylindraceo-subclavulati, antice rotundato-subtruncati crasse tunicati breve lateque 1-foveolati, deorsum brevissime crasseque attenuato-pedicellati (110-130  $\times$  25  $\mu$ ), octospori, dense paraphysati; sporidia disticha, elliptico-ovoidea, utrinque obtusissime subacutata (25-28  $\times$  10-11  $\mu$ ), horizontaliter 7-septata, ad septum medium tantum constricta (parte supera crassiore), loculis septis 1 v. 2 verticalibus divisis, flavescentia, strato mucoso, crassissimo obovoluta. An species distincta?

*Pleosporae* pyrenomycetum omnium maxime confusae ac eorum monographia summopere necessaria!

254. PLEOSPORA LONGISPORA Speg. (n. sp.)

*Diag.* Maculae nullae v. indeterminatae, fuscescentes; perithecia sparsa immersa globulosa (300-350  $\mu$ ) atra glabra, contextu dense parenchymatico fusco-fuligineo, ostiolo papillulato conico exertulo donata; asci cylindraceo-clavati, antice rotundati crassiuscule tunicati non v. vix subfoveolati, deorsum attenuati brevissime crasseque stipitati (180-200  $\times$  25  $\mu$ ), octospori, paraphysibus filiformibus guttulatis densis obvallati; sporidia disticha, clavulata (40-45  $\times$  13-15  $\mu$ ), 6-septata, ad septa leniter constricta (ad medium validius), segmento supero crassiore atque obtusiore (biseptato), infero longiore graciliore, loculis (2 extimis exceptis) septis valde tenuioribus reticulatis, flavida.

*Hab.* Ad vaginas putrescentes *Hierochloae antarcticae* prope *Penguin rookery*, *Staten island*, Mart. 1882.

255. PLEOSPORA MAGELLANICA Speg. — Fung. pat. n. 146.

*Hab.* Vulgata in foliis vaginisque emortuis *Azorellae trifurcatae* per totam *Fuegiam*, hiem. 1882.

256. PLEOSPORA MISERA Speg. (n. sp.)

*Diag.* Perithecia sparsa, subsuperficialia, primo epidermide velata, dein nuda, lenticulari-hemisphaerica (200-250  $\mu$ ) coriacea atra glabra, contextu parenchymatico fuligineo, ostiolo latiusculo impresso pertusa; asci cylindranei v. cylindraneo-subclavati (65-80  $\times$  18-20  $\mu$ ), antice rotundato-subtruncati crassiuscule tunicati non foveolati, octospori, aparaphysati; sporidia disticha elliptica, utrinque obtusiuscula (20-25  $\times$  10  $\mu$ ), horizontaliter 5 (rarius 4-) septata, loculis 2 internis septo altero verticali continuo divisis; recta v. leniter inaequilateralia, subfuliginea.

*Hab.* In scapibus emortuis putrescentibus *Osmorrhizae chilensis* prope *Iandagaia*, Maj. 1882.

257. PLEOSPORA FORSTERI Speg. (n. sp.)

*Diag.* Maculae nullae; perithecia innato-erumpentia, sparsa v. 2-3-seriata, globulosa, e latere compressiuscula (250-300  $\times$  150-200  $\mu$ ), subcarbonacea, contextu indistincto opaco, atra, glabra v. hyphis paucis repentibus tenuibus basi cincta, ostiolo papillulato minuto coronata; asci cylindraneo-subclavati, antice attenuato-truncati, postice cuneato-attenuati ac pedicello brevissimo crassissimoque suffulti (80  $\times$  15  $\mu$ ), octospori, parce paraphysati; sporidia oblique disticha, fusoida v. fusoido-subovata, utrinque attenuato-rotundata (24  $\times$  8  $\mu$ ) recta v. inaequilateralia, horizontaliter 5-septata, ad septa constrictula, loculis 2 (rarius 3) intimis septo verticali alternatim (non continuo) divisis, flava.

*Hab.* Ad folia culmosque *Festucae magellanicae* in *Staten island*, Mart. 1882.

258. PLEOSPORA INSULARIS Speg. (n. sp.)

*Diag.* Perithecia sparsa parenchymate immersa atra glabra, globulosa (150-180  $\mu$ ), coriaceo-membranacea, contextu dense parenchymatico olivaceo, ostiolo vix papillulato donata; asci cylindranei v. cylindraneo-subclavati, apice rotundati crassiuscule tunicati minute 1-foveolati, deorsum non v. vix attenuati pedicello crasso brevissimo suffulti (80  $\times$  15  $\mu$ ), octospori, parce paraphysati; sporidia disticha, biconico-obovata, utrinque obtusiuscula (25-28  $\times$  8  $\mu$ ), horizontaliter crasse 7-septata, loculis omnibus (extimo infero excepto) septo verticali continuo divisis, diu hyalina, dein sordide pallideque mellea.

*Hab.* In culmis emortuis *Hierochloae antarcticae* in *Staten island*, Mart. 1882.

259. PLEOSPORA SCOPULICOLA Speg. (n. sp.)

*Diag.* Maculae nullae; perithecia superficialia, epidermide velata e globoso lenticularia (300-350  $\mu$ ), atra, glabra, coriacella, contextu indistincto opaco, ostiolo non v. vix papillulato donata; asci pauci (10-12) in quoque perithecio, subclavati antice rotundati, postice attenuati stipite crassiusculo breviusculo suffulti (120-130  $\times$  30  $\mu$ ), tunica undique (praecipue in parte supera) crassa donati, aparamphysati, octospori; sporidia disticha elliptico-obovata, utrinque latissime obtusata (30  $\times$  14  $\mu$ ), horizontaliter 7-septata, ad septa non v. vix contracta, loculis omnibus septis 1-3 verticalibus alternatim divisis, primo flava dein fuscescentia, mucro destituta.

*Hab.* In caulibus emortuis *Drabae magellanicae* et *Perremondiae* spec. prope *Ushuvaia* et in *Aicina* insula, Maj. 1882.

260. PYRENOPHORA ANTARCTICA Speg. — Fung. pat. n. 148.

*Hab.* In foliis emortuis *Azorellae trifurcatae* in *Basket island*, Jun. 1882.

261. TEICHOSPORA ANTARCTICA Speg. (n. sp.)

*Diag.* Perithecia sparsa v. hinc inde pauci-gregaria, primo cortice tecta, eaque secedente nuda, subglobosa (350-400  $\mu$ ), semiimmersa, atra, carbonacea, contextu indistincto, ostiolo papillulato minuto ornata; asci cylindranei antice rotundati v. rotundato-subtruncati, deorsum breviter attenuati ac in pedicello crassiusculo desinentes (200  $\times$  16-18  $\mu$ ), tunica ubique crassiuscula donata, octospori, paraphysibus parcis filiformibus imixti; sporidia oblique monosticha, elliptica v. elliptico-obovata, utrinque subacutata (25-28  $\times$  12-15  $\mu$ ), horizontaliter 7-8-septata, ad septa non v. lenissime constricta (ad medium saepe validius) loculis 3-5 septis 1-2-verticalibus alternatim divisis, opace fuliginea.

*Hab.* In ramis emortuis v. subvivis *Chilotrichi ameloidis* in *Staten island*, Mart. 1882.

262. TEICHOSPORA FUEGIANA Speg. (n. sp.)

*Diag.* Perithecia sparsa, cortice innata, primo peridermio tecta, dein erumpentia v. nuda, globosa (200-250  $\mu$ ), carbonacea, atra, glabra, contextu subindistincte parenchymatico olivaceo, ostiolo non v. obtusissime papillulato minuto ornata; asci cylindranei, mox fatiscientes; sporidia oblique monosticha, elliptica v. elliptico-ovoidea, utrinque rotundata (20-24  $\times$  10  $\mu$ ), horizontaliter 7-9-septata (ad septa numquam constricta), loculis 4-5 centralibus septo verticali continuo divisis, subopace fuliginea.

*Hab.* Vulgata in ramis emortuis *Empetri*, *Lebetanthi*, *Mygindae*, *Gaultheriae*, *Chilotrichi* in *Ushuvaia*,

*Agaia, Slogget bay et Staten island aest. et hiem.*  
1882.

263. *PLEOSPHERIA FUEGIANA* Speg. (n. sp.)

*Diag.* Perithecia sparsa v. laxe gregaria, ligno denudato insidentia, e globoso sphaeroidea (200-230  $\mu$ ), carbonacea, atra, laxe puberula, sursum pilis sparsis acutis unicellularibus opacis (10-20  $\times$  2-3  $\mu$ ) basi non v. vix incrassatis, deorsum hyphis fuligineis gracilibus septulatis repentibus intricatis vestita, contextu indistincto opaco, ostiolo impresso v. vix papillulato minutissimo ornata; asci cylindranei, antice truncato-rotundati crassiuscule tunicati, postice brevissime crasseque attenuato-pedicellati (85-95  $\times$  7-8  $\mu$ ), octospori, paraphysati; sporidia monosticha, elliptico-ovoidea v. subbiconica, utrinque acutiuscule rotundata (12  $\times$  5  $\mu$ ), non v. leniter inaequilateralia, horizontaliter 5-septata, constrictula, loculis 4 internis (rarius 1 v. 0) septo saepius continuo verticali divisus, locellis semper grosse 1-guttulatis, pallide e griseo olivacea.

*Hab.* In ramis decorticatis putrescentibus *Berberidis ilicifoliae* non rara hinc inde per *Fuegiam* totam, hiem. 1882.

264. *RHAMPHORIA ANTARCTICA* Speg. (n. sp.)

*Diag.* Perithecia saepius densiuscule gregaria, subseriata, ligno insculpta, cortice tecta, per rimas erumpentia, globosa (200-250  $\mu$ ), atra, glabra, membranacea, contextu parenchymatico olivaceo, ostiolo setaceo rigidulo longissimo tenuissimoque (0,5-2<sup>'''</sup> long.  $\times$  80  $\mu$  crass.) carbonaceo cylindraneo sursum attenuato apice non v. vix incrassatulo ac obtusato ornata; asci cylindranei, antice late rotundati, deorsum subcoarctati, ac stipite brevi crasso noduloso suffulti (80  $\times$  18  $\mu$ ), tunica ubique crassissima donati, paraphysati, octo-

spori; sporidia oblique disticha elliptica v. subovoidea, utrinque obtusiuscula ( $18-20 \times 10 \mu$ ), horizontaliter 3-septata, ad septum medium constricta, loculis 1 v. 2 internis septo altero verticali (rarius deficiente) continuo divisio, pallide olivacea.

*Hab.* In ramulis emortuis *Escalloniae serratae* vulgatissima in *Staten island* et *Fuegia*, aest. et hiem. 1882.

265. CUCURBITARIA? ANTARCTICA Speg. (n. sp.)

*Diag.* Perithecia coespitose e rimulis peridermii erumpentia, acervulos transverse ellipticos pulvinato-fragariaeformes majusculos ( $2-5'''$  diam.  $\times 1-2'''$  lat.  $\times 1'''$  crass.) efformantia, globoso-obovata superne applanato subumbilicata ac ostiolo minuto papillaeformi ornata, atra, glabra, coriacea, contextu indistincto. Asci .....?; sporidia .....? non visa.

*Hab.* Vulgatissima sed semper sterilis ad ramos dejectos *Fagi betuloidis* in *Staten island* et *Fuegia*, aest. et hiem. 1882.

266. OPHIOBOLUS ANTARCTICUS Speg. (n. sp.)

*Diag.* Ophiognomonina; maculae nullae; perithecia hypophylla, sparsa v. laxe gregaria, e globoso conoidea, epidermide velata, prominula ( $120-150 \mu$ ), atra, glabra, coriacea, contextu parenchymatico atro-fuligineo, ostiolo conoideo parvulo carbonaceo instructa; asci cylindraco-obclavati, sursum attenuati, apice rotundati, crasse tunicati ac minute 1-foveolati, basi attenuato-rotundati ac pedicello brevissimo crassoque suffulti ( $75-85 \times 4-5 \mu$ ), paraphysibus paucis crassiusculis guttulatis immixti, octospori; sporidia filiformia fasciculata, ascorum longitudine, tenuissima ( $\frac{3}{4} \mu$  crass.), hyalina, indistincte guttulata.

*Hab.* Ad folia emortua dejecta *Fagi obliquae* ubique



non rara in sylvis per *Fuegiam* totam, hiem. 1882.

HYPOCREACEAE DNtrs.

267 *SELINIA ANTARCTICA* Speg. — Fung. pat. n. 151.

*Hab.* Non rara in stercore vetusto *Aucheniae guanaci* in *Slogget bay*, Jun. 1882.

268. *SELINIA INTERMEDIA* Speg. (n. sp.)

*Diag.* Perithecia saepius-3-5-aggregata, stromate ceraceo-carnosulo pallide rufescente in matrice tuberculoso-prominulo immersa, globulosa, (0,7-1<sup>'''</sup> diam.), sicca rufescentia, uda flavescenti-mellea, ostiolo crasse obtuseque papillulato fuligineo coronata, contextu carnosulo indistincto subopaco rufescenti-ferrugineo; asci saccato-clavati (150-160  $\times$  50  $\mu$ ) subtorulosi, antice rotundati, postice brevissime crasseque attenuato-pedicellati, tenui tunicati, octospori, aparaphysati; sporidia di-tri-sticha, elliptica, utrinque acutiuscule rotundata (45-50  $\times$  20-25  $\mu$ ), crasse tunicata, laevia, hyalina.

*Hab.* In fimo vaccino vetusto putrescente in sylvis prope *Ushuvaia*, Maj. 1882.

269. *MELANOSPORA ANTARCTICA* Speg. (n. sp.)

*Diag.* Perithecia sparsa v. hinc inde dense aggregata, globulosa (200-250  $\mu$ ), plus minusve tenui membranacea, contextu subindistincto parenchymatico melleo, subiculo e roseolo sulfureo plus minusve effuso ex hyphis hyalinis continuis (3-6  $\mu$  crass.) dense ramoso intricatis composito vestita, ostiolo praelongo crassiusculo (0,5-1<sup>'''</sup> long.  $\times$  90-100  $\mu$  crass.) membranaceo prosenchymatico cylindraceo apice obtuso et papilloso recto donata; asci mox fatiscentes cylindra-

cei?; sporae monostichae, ellipticae v. globoso-ellipticae, e latere compressae ( $9-12 \times 6-8 \times 3-4 \mu$ ) utrinque obtuse rotundatae (an prima aetate inferne minute hyalino appendiculatae?), opace fuligineae.

*Hab.* In ramis dejectis putrescentibus Fagorum prope *Ushuvaia* et *Agaiia*, Jun. 1882.

*Obs.* Species subiculo flavo mox dignoscenda, quandoque corticola sparsa superficialia, quandoque dense constipata tuberculoso-erumpens v. tecta in sphaeriaceis parasitans. Perithecia pellucida ac mellea ob sporas inclusas saepius nigra apparent.

270. CHARONECTRIA AUSTRALIS Speg. (n. sp.)

*Diag.* Perithecia sparsa v. vix hinc inde 2-3-subgregaria, immersa, epidermide velata vix prominula, globulosa ( $250-300 \mu$ ), carnosulo membranacea mellea grabra, contextu dense parenchymatico fulvello, ostiolo vix papillulato obtuso crasso coronata; asci late clavati, antice obtuse rotundati v. subtruncati crasse tunicati postice in pedicello breviusculo ac crasso producti (p. sp.  $110-120 \times 30 \mu$  — ped.  $20-25 \times 8-10 \mu$ ), octospori, paraphysibus filiformibus guttulatis mucosis aegre visibilibus obvallati; sporidia di-tri-sticha, cylindracea v. cylindraceo subfusioidea, utrinque obtusiuscula ( $75-80 \times 12 \mu$ ), recta v. leniter sigmoidea, medio 1-septata constrictula, nubiloso-farcta, hyalina, strato mucoso tenui obovoluta.

*Hab.* In culmis emortuis putrescentibus *Rosthkoviae grandiflorae* in *Staten island* et prope *Ushuvaia*, Mart. et Maj. 1882.

*Obs.* Perithecia per aetatem decidua ac matricem punctato-alveolatam relinquentia.

271. NECTRIA LICHENICOLA (Ces.) Sacc. — Syll. II, p. 498.

*Hab.* Non rara in thallo *Peltigerae* cujusdam in are-

nosis marittimis prope *Ushuvaia* et *Iandagaia*, Maj. 1882.

272. *NECTRIA EPISPHERIA* (Tod.) Fr. — Sacc., Syll. II, p. 497.

*Hab.* In *Calosphaeria antarctica* Speg. ad ramos fagineos dejectos prope *Agaia*, Jun. 1882.

*Obs.* Vix a typo recedit; perithecia ovata apice subtruncata disco umbilicato; asci cylindranei (50-55  $\times$  4-5  $\mu$ ) apice truncati, aparaphysati; sporidia monosticha elliptica (7-8  $\times$  4-4,5  $\mu$ ) utrinque obtusa.

273. *NECTRIA INSULARIS* Speg. (n. sp.)

*Diag.* Perithecia coespitosa, conferta, stromate pulvinulato, erumpente, applanato v. hemisphaerico (2-5<sup>m</sup> diam.), carnosulo insidentia, pallescenti-rubra v. subcoccinea, globosa (250-300  $\mu$ ), laevia, glabra, membranaceo-carnosula, contextu densissime parenchymatico subindistincto, ostiolo minuto non v. vix papillulato saepius fuscescente instructa; asci cylindranei v. subfusoido-cylindranei, sursum attenuati apice truncato-rotundati crassiuscule tunicati late pervii, deorsum longiuscule crasseque attenuato-pedicellati (85-95  $\times$  7-8  $\mu$ ), octospori, aparaphysati; sporidia oblique monosticha (rarius apice subdisticha) elliptico-biconica, utrinque acutiuscule rotundata (18-20  $\times$  5-8  $\mu$ ), medio 1-septata non v. leniter constricta, dense minuteque papilluloso-asperula, loculis non v. grosse 2-guttulatis, hyalina.

*Hab.* Ad ramos emortuos *Berberidis ilicifoliae* prope *Pactolus cove* in *Staten island*, Mart. 1882.

274. *HYPOCREA RUFA* (Pers.) Fr. — Sacc., Syll. II, p. 520.

*Hab.* In trunco fagineo emortuo putrescente prope *Gertrude cove*, Jun. 1882.

*Obs.* Specimen nonnihil oblitteratum ac substerile!

275. *PLEONECTRIA ANTARCTICA* Speg. (n. sp.)

*Diag.* Coespituli applanati v. hemisphaerici, majusculi (2-3<sup>m</sup>) 20-40 peritheciigeri, sparse erumpentes; perithecia globosa v. obovata (300-350  $\mu$ ), coccinea, glabra, laevia, carnosula, contextu dense parenchymatico rubro, ostiolo minuto acuto vix papillulato saepius fuscescente instructa; asci fusoidei, sursum attenuati, apice truncati crasse tunicati minute 1-foveolati, deorsum cuneati ac in stipite brevi crassoque producti (80-100  $\times$  15-20  $\mu$ ), octospori, aparaphysati; sporidia di-tri-sticha, elliptica v. ovoidea, utrinque obtusissima (20-27  $\times$  8-10  $\mu$ ), recta v. vix inaequilateralia, horizontaliter 7-(rarius 5-) septata, ad septa non constricta, loculis omnibus septis 2 verticalibus divisis, locellis cribrose guttulatis, hyalina.

*Hab.* Ad ramos *Berberidis ilicifoliae* emortuos prope *Pactolus cove* in *Staten island*, Mart. 1882.

276. *PLEONECTRIA VAGANS* Speg. (n. sp.)

*Diag.* Coespituli vix pulvinulato-erumpentes, minuti (1<sup>m</sup> diam.) 3-9-peritheciigeri, sparsi; perithecia globoso-obovata (250-300  $\mu$ ) sordide rubra v. subtestacea, saepe pruina stromatica tecta, membranaceo-carnosula, contextu plus minusve distincte parenchymatico rubro-aurantio, ostiolo vix papillulato fuscidulo donata; asci subclavati, antice truncati crassiusculeque tunicati, postice modice attenuato pedicellati (p. sp. 90-100  $\times$  18-20  $\mu$  — ped. 20-30  $\times$  5  $\mu$ ), octospori, aparaphysati; sporidia oblique disticha, elliptico-elongata, utrinque plus minusve acutato-rotundata (28-35  $\times$  10-12  $\mu$ ) horizontaliter 7-9-septata non constricta (rarius vix ad medium), loculis 3-6 internis, septo altero vertical

continuo divisis, locellis non v. grosse 1-guttulatis, saepius leniter curvula, hyalina.

*Hab.* Vulgata ad ramos dejectos *Fagi betuloidis*, *F. antarcticae*, *Mayteni magellanicae*, *Drymidis Winterti* in *Staten island* et in *Fuegia*, aest. et hiem. 1882.

### DOTHIDEACEAE Nitz. et Fuck.

277. *PHYLLACHORA GRAMINIS* (Pers.) Fuck. — Sacc., Syll. II, p. 602.

*Hab.* In foliis languidis *Poae* cujusdam prope *Ushuvaia*, Jun. 1882.

*Obs.* A typo vix recedit sporis nonnihil inaequilateralibus (11-13  $\times$  4  $\mu$ ) dilutissime fuscescentibus.

278. *DOTHIDEA?* *ANTARCTICA* Speg. (n. sp.)

*Diag.* Maculae epiphyllae, parvulae, indeterminatae, fuscescentes; stromata hypophylla, sparsa, innata, suborbicularia (2-3<sup>m</sup> diam.) vix pulvinulata applanata atra glabra non v. vix nitentia; loculi densissime constipati, globulosi (100-120  $\mu$ ) e mutua pressione saepe angulosi; asci et sporidia non visa!

*Hab.* Vulgata ad folia viva v. languida *Mayteni magellanicae* in sylvis prope *Shammacus* et *Picton island*, Maj. 1882.

*DARWINIELLA* Speg. (n. gen.)

*Diag.* Stromata *Dothideae* Fr. loculis immersis non prominulis; asci cylindranei v. clavati octospori paraphysati; sporidia elongata 3-septata hyalina.

279. *DARWINIELLA ANTARCTICA* Speg. (n. sp.)

*Diag.* Stromata corticola, primo tecta dein erumpentia ac peridermii laciniis cincta, parvula (1-1,5<sup>m</sup> diam.), atra, opaca, laevia, parum pulvinata sparsa v. gregaria ac subseriato-subconfluentia, carbonacea, contextu indistincto; loculi globulosi dense constipati (200-250  $\mu$ ), immersi non prominuli; asci cylindranei v. cylindraneo-fusoidei, apice truncati, postice attenuato-pedicellati (80-100  $\times$  8-9  $\mu$ ), octospori, paraphysibus filiformibus paucis obvallati; sporidia oblique mono-v. disticha subcylindranea, utrinque obtusiuscule rotundata (15-25  $\times$  4-5  $\mu$ ) leniter inaequilateralia v. subcurvula, tri-septata, ad septa non constricta, hyalina.

*Hab.* Ad ramos dejectos emortuos *Chilotrichi amelloidis* prope *Port Cook* in *Staten island*, Mart. 1882.

#### MICROTHYRIACEAE Sacc.

##### 280. MICROTHYRIUM ANTARCTICUM Speg. (n. sp.)

*Diag.* Perithecia atra, hypophylla sparsa superficialia, orbiculari-scutata (100-110  $\mu$ ), membranacea subcoriacea, contextu dense prosenchymatico-radiante, circa ostiolum (15  $\mu$  diam.) subcarbonacea, margine fimbriatula; asci cylindranei v. cylindraneo-obclavati, antice obtusi rotundati crassiuscule tunicati minute 1-foveolati, postice rotundato-cuneati in pedicello brevissimo ac minuto producti (22-27  $\times$  3,5-4,5  $\mu$ ), octospori, aparaphysati; sporidia recte disticha, obovato-elongata, utrinque obtusiuscule rotundata (6,5-7  $\times$  1,5-2  $\mu$ ), recta v. vix subinaequilateralia, 1-septata leniter constricta, oculis minute 2-guttulatis, supero crassiore brevioraque, hyalina.

*Hab.* Ad folia dejecta *Berberidis ilicifoliae* et *Callixenis marginatae* in *Staten island*, Mart. 1882.

281. *MICROTHYRIUM?* *FUEGIANUM* Speg. (n. sp.)

*Diag.* Perithecia sparsa, superficialia, atra, scutato-orbicularia (120-130  $\mu$ ), tenui membranacea, contextu dilute fuligineo laxe prosenchymatico-reticulato margine non v. vix denticulata, ostiolo impresso lato (30  $\mu$  diam.) pertusa; asci obclavati, apice truncati crasseque tunicati, postice rotundati in pedicello brevissimo crassoque producti (30-35  $\times$  6-8  $\mu$ ), octospori, aparaphysati; sporidia di-tri-sticha, elliptica v. subovato-elongata, utrinque subtruncata (10  $\times$  3  $\mu$ ) medio 1-septata, constrictula, loculis subaequalibus, primo grosse 2-guttulatis, hyalina, postremo triseptata.

*Hab.* Ad culmos dejectos emortuos *Rostkoviae grandiflorae* in *Staten island*, Mart. 1882.

*Obs.* Species pulcherrima ob sporas triseptatas novi generis typum sistens.

282. *SEYNESIA AUSTRALIS* Speg. (n. sp.)

*Diag.* Maculae orbiculares (2-3<sup>m</sup>) epiphyllae albescenti-cinereae v. fuscescentes determinatae lineâ prominula obscuriore limitatae; perithecia in macularum centro laxe gregaria, innato-superficialia, scutato-orbicularia (75-80  $\mu$ ), atra, glabra, subcoriacella, contextu dense parenchymatico fusco-atro subimperspicuo, ostiolo minuto impresso (5-6  $\mu$  diam.) pertusa; asci obovati v. pyriformes, ubique crassissime tunicati, basi in pedicello brevi crassoque desinentes (25-30  $\times$  10-15  $\mu$ ), 4-6-8-spori, mox diffluentes, aparaphysati; sporidia opace fuliginea (13-14  $\times$  6-7  $\mu$ ) excentrice septata, constricta, loculo supero obovato majusculo, infero subgloboso duplo minore.

*Hab.* Ad folia viva v. languida *Drymidis Winteri* in *Staten island*, Mart. 1882.

*Obs.* Species pulchella ob sporarum formam facile novi generi typum sistens; cum *Asterina compacta* Lév.

(secundum Cl. Montagne in Gay, Fl. Chil. v. VII, p. 474) sporis 4-ocularibus donata non comparanda; cnfrt etiam Winter, Pilze v. Chile n. 13!

283. MORENOELLA ANTARCTICA Speg. (n. sp.)

*Diag.* Perithecia sparsa, minuta (0,5-1,5<sup>m</sup> long.  $\times$  0,2-0,3<sup>m</sup> lat.) simplicia v. subramulosa, utrinque acutiuscule rotundata, recta v. subflexuosa, atra, superficialia, scutato-dimidiata, tenui membranacea, contextu densiuscule prosenchymatico-radiante margine denticulato-subfimbriatulo pellucido fuligineo, ostiolo rimoso per totam longitudinem percursa; asci ovati v. obovati, antice late truncato-rotundati crassissimeque tunicati (26-27  $\times$  13-14  $\mu$ ), basi pedicello brevissimo crasso suffulti, octospori, aparaphysati; sporidia conglobata, elliptico-clavulata (10  $\times$  3  $\mu$ ), recta, medio 1-septata non constricta, loculo supero crassiore acutiuscule rotundato, infero subcylindraceo gracili rotundato-subtruncato, primo hyalina dein fusco-subfuliginea; an prima aetate strato mucoso tenui obovoluta?

*Hab.* In culmis emortuis putrescentibus *Rostkoviae grandiflorae* in *Staten island* et *Fuegia* non rara, aest. et hiem. 1882.

284. MORENOELLA AUSTRALIS Speg. (n. sp.)

*Diag.* Perithecia sparsa, minuta (0,5-1<sup>m</sup> long.  $\times$  0,1-0,15<sup>m</sup> lat.), simplicia v. subramulosa, utrinque obtusiuscula, recta v. flexuosula, atra, superficialia, dimidiata, scutato-adfixa, tenui membranacea, contextu densiuscule prosenchymatico-radiante margine vix denticulato pellucido fuligineo, ostiolo rimoso percursa; asci subglobosi v. ovati, apice truncato-rotundati, basi stipite brevissimo, crassissimoque suffulti (14-16  $\times$  10-12  $\mu$ ), 4-6-8-spori, aparaphysati; sporidia elliptico-clavulata, recta v. inaequilateralia (6-8  $\times$  2,5-3  $\mu$ ), medio 1-sep-



tata, non constricta, loculo supero conoideo vertice obtuse rotundato, infero subcylindraco rotundato, primo hyalina dein fuscescentia.

*Hab.* In foliis vaginisque putrescentibus *Poaë Forsteri* in *Staten island*, Mart. 1882.

*Obs.* In utraque specie labiis rimae ostiolaris tenuibus, acute conniventibus, per aetatem non v. vix apertis, saepius frustulatim lacero-dehiscentibus.

### LOPHIOSTOMACEAE Sacc.

#### 285. LOPHIOTREMA FUEGIANUM Speg. (n. sp.)

*Diag.* Perithecia primo cortice tecta, dein nuda, late densissimeque superficialia, vix basi insculpta, globulosa (200-300  $\mu$ ), carbonacea, atra, glabra, ostiolo parvulo conoideo apice compresso donata; asci cylindraco, apice obtuse rotundati crassiusculeque tunicati, basi breviter attenuato-pedicellati (120  $\times$  8-10  $\mu$ ), octospori, parce paraphysati; sporidia oblique monosticha, cylindraco-fusoidea, utrinque attenuato-rotundata (26-32  $\times$  6  $\mu$ ), recta v. subcurvula, 7-septata, ad septum medium tantum constricta, hyalina.

*Hab.* Ad ramulos emortuos dejectos *Pernetiae mucronatae* in *Slogget bay*, Jun. 1882.

#### 286. LOPHIOTREMA ANTARCTICUM Speg. (n. sp.)

*Diag.* Perithecia ligno denudato immersa e globoso-compressa, majuscula (1"  $\times$  500-800  $\mu$ ), carbonacea, atra, ostiolo longiusculo exerto compresso acie acuto integro donata; asci cylindraco-subclavati, sursum truncato-rotundati crassiusculeque tunicati 1-foveolati, deorsum brevissime crasseque attenuato-stipitati (150-200  $\times$  16-20  $\mu$ ), octospori, parce paraphysati; sporidia recte disticha, fusoidea, utrinque acutissima (45-52  $\times$  7-8  $\mu$ ),

recta v. subinaequilateralia, 9-11-septata (in juventute torulosa) non constricta, hyalina.

*Hab.* In ramis dejectis putrescentibus *Chilotrichi ameloidis* in *Staten island*, Mart. 1882.

287. **LOPHIOTREMA ANTARCTICUM** Speg.

var. *pingue*

*Diag.* Perithecia ut in typo; asci clavati, sursum rotundati, deorsum plus minusve longe attenuati ( $130-150 \times 20 \mu$ ), 2-8-spori, dense paraphysati; sporidia fusioidea, recta, 9-septata ( $40-60 \times 10-12 \mu$ ) non constricta, hyalina.

*Hab.* In ramis *Pernetiae mucronatae* emortuis in *Port Tom*, *Skyring island*, Jun. 1882.

288. **LOPHIOTREMA AUCTUM** Sacc. — Syll. II, p. 688.

*Hab.* In ramulis *Escalloniae serratae* in *Fiord Negri* sub *M. Sarmiento*, Maj. 1882.

*Obs.* Asci subcylindranei, apice rotundati crassiuscule tunicati minute 1-foveolati, basi brevissime attenuato-pedicellati ( $110-135 \times 10-12 \mu$ ), paraphysati; sporidia oblique mono- v. di-sticha, fusioidea, utrinque acutiuscula ( $40 \times 8 \mu$ ), curvula, 7-septato-constricta, subtorulosa, primo hyalina dein fuscidula, strato mucoso tenuissimo utrinque in caudis conicis acutis (8-10  $\mu$  long.) producto donata.

289. **LOPHIOTREMA AUSTRALE** Speg. (n. sp.)

*Diag.* Vivianella; perithecia ligno denudato infuscatoque insidentia, sparsa v. hinc inde 2-5-gregaria, semiimmersa, globuloso-compressa (500-600  $\mu$ ), atra, glabra, carbonacea, ostiolo brevi papillulato rimoso acie acuto integro donata; asci subclavati, antice obtusiuscule rotundati crassiusculeque tunicati, deorsum in pedicello breviusculo atque crassiusculo desinentes, ( $120-130 \times$

20  $\mu$ ), octospori, dense paraphysati; sporidia oblique v. recte disticha, fusoido-subclavulata, utrinque acutiuscule rotundata (30-40  $\times$  10  $\mu$ ), leniter curvula, 7-8-septata ad septa constrictula, loculo quarto supero saepius nonnihil crassiore, hyalina, strato mucoso tenui utrinque in rostello subconico (7-8  $\mu$  long.) producto donata.

*Hab.* In ramulis emortuis *Chilotrichi amelloidis* in *Staten island*, Mart. 1882.

290. LOPHIOTREMA MAGELLANICUM Speg. (n. sp.)

*Diag.* Vivianella; perithecia dense sparsa, ligno immersa v. semiimmersa, globulosa (300-350  $\mu$ ), atra, carbonacea, ostiolo compresso acuto integro coronata; asci cylindracei v. subclavati, antice rotundati crassiusculeque tunicati late minuteque foveolati, postice attenuato-pedicellati, (110-120  $\times$  10-12  $\mu$ ), dense paraphysati, octospori; sporidia oblique v. recte disticha, subfusoida, utrinque obtusiuscula (25-28  $\times$  6,5-7  $\mu$ ), curvula, 5-7-septato-constricta, loculis grosse 1-guttulatis, hyalina, strato mucoso utrinque in cauda conica (5-7  $\mu$  long.) producto donata.

*Hab.* In ramulis emortuis *Philesiae buxifoliae*, *Fuchsiae magellanicae* et *Chilotrichi amelloidis* non rara in *Staten island* et hinc inde in *Fuegia*, aest. et hiem. 1882.

291. LOPHIOSTOMA FUEGIANUM Speg. (n. sp.)

*Diag.* Perithecia matrice nigrificata semiimmersa, sparsa, globulosa (180-200  $\mu$ ), ostiolo papillulato hysterioideo crenulato coronata, atra, glabra, carbonacea; asci clavati, antice obtusati postice attenuato-pedicellati (p. sp. 55-60  $\times$  12-15  $\mu$ ), crassiuscule tunicati, diffluentes, densiuscule paraphysati; sporidia di-tri-sticha, fusoido-clavulata (20-25  $\times$  4-5  $\mu$ ), recta v. vix inaequilateralia,

5-septata, ad septa non v. vix constricta (ad medium validius), loculo quarto supero saepius nonnihil crassiore, supremo obtuso, infimo acuto conico longiusculo, fuliginea, in segmento supero obscuriora.

*Hab.* Ad culmos emortuos putrescentes *Triseti* sp. in sabulosis prope *Punta anegada*, Jul. 1882.

292. *LOPHIDIUM COMPRESSUM* (Pers.) Sacc. — Syll. II, p. 711.

*Hab.* Ad ramulos emortuos putrescentes *Empetri rubri* et *Mayteni magellanicae* non rarum hinc inde in *Staten island* et *Fuegia*, aest. et hiem. 1882.

*Obs.* Sporidia elliptico-subovata v. subfusoidea, utrinque plus minusve acutiuscule rotundata ( $20 \times 9 \mu$ ), recta v. inaequilateralia, horizontaliter 5-(rarius 7-) septata, ad septa constrictula, loculis 1-6 mediis septo altero longitudinali continuo divisis, fuliginea.

293. *LOPHIDIUM MELANOMMOIDE* Speg. (n. sp.)

*Diag.* Perithecia matrice infusca dense gregaria, subsuperficialia v. semiimmersa, globulosa ( $350-400 \mu$ ), atra, subrugulosa carbonacea, ostiolo minuto papillulato compresso coronata; asci cylindranei, apice truncato-rotundati crassimeque tunicati, basi breviter attenuato-pedicellati ( $80-85 \times 12-15 \mu$ ), dense paraphysati, octospori, tunica iodi ope dilutissime coerulescente; sporidia oblique monosticha, elliptica v. elliptico-biconica, utrinque obtusiuscule rotundata ( $16-25 \times 7-10 \mu$ ), recta v. curvula, horizontaliter 3-7-septata, non v. parce constricta, segmento supero obtuso, infero saepius acutiore, loculis 1-5 (rarissime 0) internis v. externis, septo altero quandoque continuo quandoque interrupto v. obliquo divisis, fuliginea, polis pallidioribus.

*Hab.* In ramulis dejectis putrescentibus *Escalloniae serratae* prope *Penguin rookery* in *Staten island*, Febr. 1882.

HYSTERIACEAE Cda.

294. LEMBOSIA DRYMIDIS Lév. — Winter, Pilz. v. Chile, n. 13.

*Hab.* Vulgata ad folia viva v. languida *Drymidis Winteri* in *Staten island*, Mart. 1882.

*Obs.* Maculae epiphyllae, orbiculares (3-5<sup>m</sup> diam.), determinatae, subpulvinulatae, nigrae v. fuscescentes, zona marginali canescente saepe donatae; perithecia in maculis superficialia, laxe gregaria, subiculo fibroso mucedineo-membranaceo tenui subfatiscente fuligineo insidentia, elliptica v. subtrigona, simplicia v. subramulosa (200-300  $\mu$  long.  $\times$  80-150  $\mu$  lat.), inferne applanata, clausa, superne rotundata, rimula impressula percursa, atra glabra, subcarbonacea, contextu indistincto opaco; asci obovati, superne latiuscule rotundati crasse tunicati, inferne cuneati in pedicello brevissimo crassoque producti (28-35  $\times$  15-20  $\mu$ ), subfluxiles, octospori, paraphysati; sporidia conglobata, elliptica, utrinque rotundata (15-18  $\times$  7-8  $\mu$ ), medio 1-septata, leniter constricta, non v. vix subinaequilateralialia, primo hyalina dein dilute fuliginea.

295. HYSTERIUM FRUCTICUM Sacc.— Syll. II, p. 745.

*Hab.* In ramis languidis *Empetri rubri* rarissime prope *Port Cook* in *Staten island*, Mart. 1882.

*Obs.* Sporidia triseptata leniter constricta (25-26  $\times$  5-6  $\mu$ ), primo hyalina dein pallide fuliginea.

296. GLONIELLA AUSTRALIS Speg. (n. sp.)

*Diag.* Perithecia matrice dealbata innato-superficialia, linearia (0,5-1<sup>m</sup> long.  $\times$  200  $\mu$  lat.  $\times$  200  $\mu$  crass.), parum elevata, recta v. vix flexuosula, utrinque acuta,

atra glabra laevia opaca carbonacea, labiis obtusiusculis conniventibus v. apertis donata; asci cylindraceo-subclavati, sursum obtuse rotundati crassissime tunicati, deorsum attenuati breviter crasseque pedicellati ( $60 \times 12 \mu$ ), octospori, dense paraphysati; sporidia recte v. oblique disticha, elliptico-elongata, utrinque obtusiuscula ( $18-20 \times 6 \mu$ ), recta v. vix subinaequilateralia, 5-septata, non constricta, loculo quarto supero non v. vix crassiore, hyalina, per aetatem perdilute fuscescentia.  
*Hab.* In trunco fagineo emortuo fluitato in *Slogget bay*, Jun. 1882.

297. GLONIELLA AUSTRALIS Speg.

var. *minor*.

*Diag.* Perithecia matrice dealbata, sparsa, superficialia, elliptico-lineararia ( $500^m$  long.  $\times$   $200-250 \mu$  lat.) atra carbonacea laevia glabra; asci cylindracei v. cylindraceo-obclavati, sursum truncato-rotundati crasse tunicati, deorsum subrotundati ac pedicello brevissimo crassoque suffulti ( $45-50 \times 14-18 \mu$ ), octospori, parce paraphysati; sporidia subconglobata, elliptico-elongata, utrinque obtusiuscula ( $18-20 \times 4-5 \mu$ ), 5-septata, ad septa non constricta, hyalina.

*Hab.* In trunco fagineo emortuo decorticato induratoque prope *Port S. John* in *Staten island*, Mart. 1882.

298. GLONIELLA MULTISEPTATA Speg. (n. sp.)

*Diag.* Perithecia matrice non v. vix infusata, erumpenti-superficialia, saepius aggregata, lineararia, recta v. flexuosa, utrinque acutiuscula ( $500-1000 \mu$  long.  $\times$   $250 \mu$  lat.), depressula, atra laevia carbonacea, labiis obtuse rotundatis conniventibus v. vix apertis donata; asci cylindraceo-obovati, apice late truncato-rotundati crassissime tunicati, basi rotundati subcoarctati brevissime crasseque stipitati ( $50-60 \times 15-18 \mu$ ), paraphysibus

hyalinis apice coalescentibus fuscescentibusque dense obvallati, octospori; sporidia oblique disticha, ovato-elongata, utrinque acutiuscule rotundata (22-25  $\times$  8-10  $\mu$ ), leniter inaequilateralia, 7-9-septata, ad septum medium tantum leniter constricta, hyalina.

*Hab.* In rimis ramorum putrescentium *Pernetiae mucronatae* in *Burnt island*, Maj. 1882.

299. GLONIELLA ANTARCTICA Speg. (n. sp.)

*Diag.* Maculae cinerascenti-pallescentes, indeterminatae, epiphyllae; perithecia maculis insidentia, laxe gregaria v. sparsa, superficialia, linearia, utrinque obtusiuscula (500-600  $\mu$  long.  $\times$  200  $\mu$  lat.  $\times$  150  $\mu$  crass.), labiis obtuse rotundatis laxe conniventibus donata, atra glabra laevia opaca; asci obovati, antice latissime subtruncato-rotundati crassissime tunicati, deorsum subcuneati ac in stipite brevissimo crassoque producti (32-35  $\times$  15  $\mu$ ), octospori, dense paraphysati; sporidia inordinate constipata, elliptica v. subfusoida, utrinque plus minusve acutata (14-15  $\times$  5-7  $\mu$ ), crassissime tunicata, 6-8-blasta, hyalina.

*Hab.* Vulgata ad folia emortua *Grammitis magellanicae* in *Staten island* et in *Fuegia*, aest. et hiem. 1882.

*Obs.* Species habitu ac sporarum fabrica lichenina, thallo tamen deficiente ac iodi ope nulla!

300. HYSTEROGRAPHIUM FUEGIANUM Speg. (n. sp.)

*Diag.* Perithecia plus minusve dense gregaria, parallela, superficialia, elliptico-linearia (1000 long.  $\times$  300-350 lat.  $\times$  450-500  $\mu$  crass.), elevata, utrinque obtusiuscula non v. vix subcoarctatula, atra glabra laevia, labiis obtuse rotundatis conniventibus ornata; asci cylindraco-subclavati, ubique crasse tunicati, antice obtuse rotundati, postice in pedicello brevissimo crassoque desinentes (100-110  $\times$  20  $\mu$ ), octospori, paraphysibus densis

subcoalescentibus obvallati; sporidia disticha, elliptico-biconica, utrinque acute rotundata ( $38-45 \times 12-15 \mu$ ), horizontaliter 10-11-septata, ad septa lenissime (ad medium saepe validius) constrictula, loculis septis 1-3 alternatim divisis, subopace fuliginea.

*Hab.* Ad ramulos emortuos decorticatos *Escalloniae serratae* prope *Penguin rookery* in *Staten island*, Mart. 1882.

301. HYSTEROGRAPHIUM MAGELLANICUM Speg. (n. sp.)

*Diag.* Perithecia laxè inordinateque aggregata, scaphoidea, majuscula ( $0,5-2''$  long.  $\times 0,3-0,5''$  crass.), utrinque acutiuscula, basi coarctatula, superne rotundata, labiis subacute ac arcte conniventibus (rima tandem parum perspicua) donata glabra laevia atra carbonacea; asci cylindranei, subtenui tunicati saepeque subtorulosi, antice rotundati, postice breviuscule attenuato-pedicellati ( $160-180 \times 25 \mu$ ), dense paraphysati, octospori; sporidia oblique monosticha v. recte disticha, elliptico-ovoidea, medium tantum constricta, saepius obtusissima ( $50-55 \times 18 \mu$ ), primo pellucida, horizontaliter 11-septata, loculis septis 1-3 verticalibus divisis, locellis guttulatis, dein opaca, atro-fuliginea.

*Hab.* Ad corticem *Fagorum* viventium non rara hinc inde in sylvis per *Fuegiam*, hiem. 1882.

*Obs.* Speciem simillimam nisi identicam etiam in *Cabo negro* (Patagonia) inveni, sed specimina amisi.

302. HYPODERMA BRACHYSPORUM Speg. (n. sp.)

*Diag.* Maculae nullae; perithecia amphigena, hinc inde laxè inordinateque aggregata, innato-superficialia, elliptica, utrinque obtusiuscula ( $1''$  long.  $\times 0,5''$  lat.), atra glabra laevia coriaceo-subcarbonacea, contextu indistincto, rimula latiuscule hiantè percursa, labiis acutis



intus fuscescentibus donata; asci clavati, sursum attenuati, apice truncati, deorsum longe attenuato-pedicellati (p. sp.  $40 \times 10 \mu$  — p.  $30-40 \times 3 \mu$ ) octospori, paraphysibus filiformibus paucis longioribus apice flexuosis v. subcirrhatis obvallati; sporidia cylindracea, utrinque obtusiuscule rotundata ( $12-13 \times 3 \mu$ ), curvula, continua, hyalina.

*Hab.* Ad folia dejecta putrescentia *Berberidis ilicifoliae* in *Staten island* et in *Fuegia* non rara, aest. et hiem. 1882.

303. HYPODERMA VIRGULTORUM DC. — Sacc., Syll. II, p. 786.

*Hab.* In ramulis dejectis putrescentibus *Veronicae decussatae* ad *Port Vancouver* in *Staten island*, Mart. 1882.

*Obs.* Asci clavati ( $100-110 \times 8-9 \mu$ ), sursum acutato-rotundati, deorsum longe attenuato-stipitati, paraphysibus filiformibus rectis obvallati; sporidia suballanthoidea, utrinque obtusa ( $20-24 \times 3-3,5 \mu$ ), hyalina.

304. LOPHODERMIIUM ANTARCTICUM Speg. (n. sp.)

*Diag.* Maculae pallescentes latae indeterminatae; perithecia ex orbiculari elliptica ( $700-900 \mu$  long.  $\times$   $500-700 \mu$  lat.), innato-prominula, atra laevia nitentia coriacella, contextu indistincto, rima brevi strictissime dehiscentia v. per aetatem frustulatim decidua; asci cylindracei, sursum leniter attenuati, apice truncati (rarius subrotundati), deorsum breviter cuneati ac pedicello brevissimo crassoque suffulti ( $66-80 \times 8-10 \mu$ ), octospori, paraphysibus filiformibus apice rectis non incrassatis obvallati, iodi ope dilute coerulescentes; sporidia fasciculata, filiformia ( $1 \mu$  crass.), ascorum longitudine, granulosa, hyalina.

An huc *Loph. breve* (Berk.) DNtrs?

*Hab.* Ad culmos emortuos putrescentes *Rostkoviae grandiflorae* in *Staten island*, Mart. 1882.

305. LOPHODERMIIUM CLAVULIGERUM Speg. (n. sp.)

*Diag.* Maculae nullae sed totum folium pallescens; perithecia sparsa amphigena saepius tamen hypophylla, e discoideo subelliptica (400-600  $\mu$  long.  $\times$  300-500  $\mu$  lat.), atra glabra opaca innato-prominula, in sicco subcollabescentia, coriacea, contextu indistincto, rimula minutissima vix perspicua donata; asci subclavato-cylindracei, sursum acutiuscule rotundati, deorsum attenuati (100-110  $\times$  7  $\mu$ ) ac in pedicello brevi crassoque producti, tenuiter tunicati, octospori, paraphysibus dilute chlorinis, apice clavulatis obvallati; sporidia fusoido-filiformia (1,5  $\mu$  crass.), 5-9-septata, non constricta, ascorum longitudine, fasciculata, utrinque acutiuscula, granuloso-farcta, hyalina.

*Hab.* Ad folia dejecta emortua *Pernetiae mucronatae* in pratis *Staten island*, Mart. 1882.

306. LOPHODERMIIUM FUEGIANUM Speg. (n. sp.)

*Diag.* Maculae pallescentes indeterminatae; perithecia laxe gregaria, elliptica, utrinque obtusa, non v. vix prominula (500-700  $\mu$  long.  $\times$  200  $\mu$  lat.), glabra atra nitentia, contextu indistincto, rimose dehiscentia; asci cylindracei, antice rotundati non v. vix crassiuscule tunicati ac 1-foveolati, postice attenuati ac in stipite breviusculo crassoque desinentes (60-65  $\times$  5  $\mu$ ), octospori, paraphysibus flexuosis exillimis apice non incrassatis ac subrectis obvallati; sporidia fasciculata, linearia, superne obtusa, inferne acuta (40  $\times$  1,5  $\mu$ ), septulata, hyalina.

*Hab.* In culmis putrescentibus *Rostkoviae grandiflorae* in *Agaia*, Jun. 1882.

*Obs.* Iodi ope nulla; species a *Loph. antarctico* Speg. longe abhorrens.

307. *LOPHODERMIVM HYSTERIOIDE* (Pers.) Sacc. — Syll. II, p. 791.

*Hab.* Vulgatum ad folia dejecta putrescentia *Fagi betuloidis* hinc inde in sylvis per *Fuegiam* totam, hiem. 1882.

*Obs.* Maculae indeterminatae, pallescentes; perithecia amphigena laxe inordinateque gregaria v. sparsa, elliptica (0,7-1,2<sup>m</sup> long.  $\times$  300-400  $\mu$  lat.) utrinque acutiuscule rotundata, atra laevia subnitentia innato-superficialia, rimose dehiscentia; asci clavulati, sursum subconoidei ac obtusiuscule acutati, deorsum attenuati ac in pedicello longiusculo crassiusculoque producti (100-120  $\times$  10  $\mu$ ), paraphysibus filiformibus apice uncinatis v. subcircinatis (non sporidiis!) obvallati, octospori; sporidia fasciculata, utrinque recta atque acutiuscula filiformia ascorum longitudine (1  $\mu$  crass.), ex obturaculo ascorum exilientia.

308. *LOPHODERMIVM OXYASCUM* Speg. (n. sp.)

*Diag.* Maculae nullae; perithecia sparsa, innata, vix prominula, elliptica (600-1000  $\mu$  long.  $\times$  300-400  $\mu$  lat.), utrinque acutiuscula atra glabra subnitentia rimose dehiscentia, coriacea; asci cylindranei apice longiuscule acutissimeque conici, deorsum breviter attenuati ac pedicello brevissimo crassoque suffulti (45-60  $\times$  5  $\mu$ ), octospori, paraphysibus filiformibus, tenuissimis ubique rectis ac cylindraneis obvallati; sporidia fasciculata, ascorum longitudine, tenuissima (0,5-0,8  $\mu$  crass.), utrinque acuta, granuloso-farcta, hyalina. Ascorum apex iodi ope intense coerulescit.

*Hab.* Non rara in foliis *Luzulae*, *Poae*, *Unciniae* ac *Festucarum* hinc inde in *Staten island* et *Fuegia*, aest. et hiem. 1882.

309. *LOPHIUM?* *PEREXIGUUM* Speg. (n. sp.)

*Diag.* Perithecia in matrice latissime dealbata laxè sparsa, subparallela, immersa, linearia (500-1000  $\mu$  long.  $\times$  120-150  $\mu$  lat.), vix labiis acutis conniventibus non v. modice apertis atris carbonaceis exertis donata; asci cylindranei, apice rotundati crassissime tunicati, deorsum attenuati breviter pedicellati (80-90  $\times$  2-3  $\mu$ ), paraphysibus densiusculis filiformibus apice rectis v. subuncinatis non incrassatis obvallati, octospori; sporidia filiformia, fasciculata, ascorum longitudine, subimperspicue guttulata, hyalina.

*Hab.* In trunco *fagineo* vetusto fluitato in *Slogget bay*, Jun. 1882.

310. *ACROSPERMUM* *ANTARCTICUM* Speg. (n. sp.)

*Diag.* Perithecia sparsa, saepius geminata, erecta, elliptica, valide compressa, superne acute obtusata, inferne cuneata ac brevissime crasseque stipitata (600-700  $\mu$  alt.  $\times$  250-300  $\mu$  lat.  $\times$  80-100  $\mu$  crass.) margine rotundata, atra glabra membranaceo-coriacea, contextu subindistincte parenchymatico olivaceo; asci cylindranei, longissimi, apice rotundati crasse tunicati lateque 1-foveolati, deorsum longe attenuati (450-500  $\times$  3  $\mu$ ), aparaphysati; sporidia fasciculata, filiformia, tenuissima ascorum fere longitudine (300  $\times$  0,5  $\mu$ ), primo minutissime guttulata, dein densiuscule septata, hyalina.

*Hab.* Ad caules foliaque arida putrescentia *Hamadryadis magellanicae* in alpinis prope *Port Cook* in *Staten island*, Mart. 1882.

TUBERACEAE Vitt.

311. *ENDOGONE* *FUEGIANA* Speg.—Tuber. arg. n. 5.

*Hab.* Ad radices muscorum in sylvis prope *Hope harbour* in *Clarence island*, Maj. 1882.

CYTTARIEAE Speg.

Fungi globosi v. obovati, vivi carnosio-tenaces, sicci subcornei, farcti v. cavi, peripherice loculiferi, cortice mucedineo deliquescenti-evanescente tecti, mycelio perenni in ramis viventibus arborum plus minusve late innato-effuso ac illos tuberculoso-hypertrophicos efficiente donati; loculi sphaerici majusculi superne lacinatim v. ostiolatim (obturaculo mucoso-fatiscente) dehiscentes, pulpa ascigera mucosa repleti; asci cylindranei, octospori, longe denseque paraphysati; sporidia elliptica laevia hyalina.

Familia vegetatione natura ac fabrica longe a Discomycetibus abhorrens, cum nulla alia comparanda.

312. CYTTARIA DARWINII Berk.—On an edib. fung. f. Tierra del Fuego n. 1.

*Hab.* Vulgata in ramis vivis *Fagi antarcticae* ubique per *Fuegiam* totam, aut. et hiem. 1882.

*Obs.* Alba v. albo-pallescentis, globosa (2-4" diam.), ubique rotundata non v. vix basi umbilicata, sessilis v. vix brevissime crassiusculeque stipitata, semper farcta, primo laevis dein favosa, glabra, cortice primo coriaceo-membranaceo, dein liquescenti-evanescente tecta; loculi globosi (2-3" diam.), primo clausi, dein obturaculo mucoso evanescente late ostiolato-aperti immarginati, pulpa flavescens pellucida farcti; asci cylindranei longe pedicellati (p. sp. 90-100  $\times$  10  $\mu$  — ped. 50-70  $\times$  5-9  $\mu$ ), apice truncato-rotundati crassiusculeque tunicati, iodi ope nulla, paraphysibus filiformibus subaequilongis densiuscule obvallati; sporidia recte v. oblique monosticha, recte elliptica, utrinque obtusiuscula (14-16  $\times$  8  $\mu$ ), laevia nubiloso-farcta hyalina.

Species edulis, insipida, gummosa, per aetatem nigre-

scens ac liquescens. Incolae illam crudam comedunt ac forman juvenilem *Ashcinik*, maturam *Awacik*, senescentem ac nigrescentem *Mmáâma* vocant.

313. *CYTTARIA BERTERII* Berk.— l. c. n. 2.

*Hab.* Rara in ramis vivis *Fagi obliquae* in *Fuegia* tota, aut. et hiem. 1882.

*Obs.* Flava v. aurantia, obovata v. subturbinata, superne rotundata (1-3" diam.), inferne subcuneata, subsessilis, farcta, per aetatem cava evadens, primo laevia dein laxe alveolata; loculi subglobosi v. obovati (1-3" diam.) primo clausi dein lacero-dehiscentes, margine saepe marginati v. subappendiculati, pulpa flavescente pellucida farcti; asci cylindraceo-fusoidei ( $100 \times 7-8 \mu$ ), utrinque attenuati, apice truncati crassiusculeque tunicati ibique iodi ope dilute coerulescentes, octospori, paraphysibus filiformibus vix longioribus obvallati; sporidia oblique v. recte monosticha, elliptica, non v. vix inaequilateralia, utrinque obtusa ( $15 \times 5-6 \mu$ ), grosse biguttulata (an per aetatem 1-septato constricta?), hyalina.

Species edulis, gummoso-dulcis, minus tenax, per aetatem liquescenti-fuscescens. Incolae illam crudam comedunt ac forman juvenilem *Sháshcipu*, maturam *Cattörem*, senescentem *Aussof* vocant.

Speciem alteram in *Fago betuloide* vigentem, colore albo cavitate interna sapore dulci mox dignoscendam inveni, sed specimina in naufragio amisi.

314. *CYTTARIA HOOKERI* Berk.— in Hook., Fl. ant. vol. II, cum tab.

*Hab.* Vulgatissima ad ramos vivos *Fagi obliquae* et *F. antarcticae* in sylvis per *Fuegiam* totam, aut. et hiem. 1882.

*Obs.* Flavescenti-cinnamomea, obovata v. clavulata, superne applanato-umbonata, inferne attenuata (1-1,5"

alt.  $\times$  4-6<sup>m</sup> diam.), farcta, laevis, glabra, in disco superiore periphaerice 4-8-peritheciigera, caeterum sterilis; loculi e globoso obovati (2<sup>m</sup> diam.), primo clausi dein lacero-dehiscentes, non v. marginati, pulpa fuscescente v. pallide olivascente farcti; asci cylindraceo-fusoidei, apice truncato-rotundati, deorsum longe attenuati (200-250  $\times$  20  $\mu$ ), octospori, paraphysibus densis apice corpusculo clavulato ruguloso-anguloso olivaceo deciduo coronatis obvallati; sporidia saepius in parte ascorum supera conglobata, elliptica, non v. vix inaequilateralia, utrinque obtuse rotundata (15  $\times$  10  $\mu$ ), pallidissime olivascentia.

Inter paraphyses adsunt corpuscula globoso-cuboidea (18-20  $\mu$  diam.) fumosa, catenulas (180-250  $\mu$  long.) torulosas basi longe stipitatas 8-10 articulatas efformantia, pallide fuscescenti-fuliginea; an conidia?

Species, facile novi generis typum sistens, edulis sapore subdulci, fructus castaneae subputrescentis similimo, non ingrato donata, carnosulo-compacta, per aetatem mucoso-liquescens. Incolae illam crudam comedunt et *Assuim* vocant.

Formam alteram in *Fago betuloide* vigentem, obovatam disco carentem ac apice subconicam pallidiorem sapore magis grato donatam ab incolis *Uaiáca* vocatam notavi et collegi sed specimina amisi.

Cyttariae omnes perdifficiles studiandae, nam maturitate rapidissimae ac mox diffluentes, servatae alcoholis vi v. exsiccatae quam maxime contrahuntur ac deformantur (praecipue in fructificationis partibus) et in vivo fere tantum illas perscutare possibile est.

#### DISCOMYCETES Fr.

315. MITRULA? ANTARCTICA Speg. — Fung. pat. n. 158.

*Hab.* Inter folia ramentaue sternata in sylvis prope *Ushuvaia*, Maj. 1882.

316. PEZIZA ANTARCTICA Speg. (n. sp.)

*Diag.* Leucoloma; cupulae sparsae v. laxe gregariae, sessiles, superficiales, primo subsphaeroideae, mox applanato-expansae (5-10<sup>m</sup> diam.), crassiusculae, ceraceo-carnosulae, extus glabrae v. subsquamulosae, rubescenti-testaceae, margine acutae integrae non v. vix repandulae, disco subconcavo laevissimo flavo v. aurantiorubro donatae; asci cylindranei, antice obtuse rotundati, deorsum breviter attenuato-pedicellati (110-140 × 15-20 μ), octospori, paraphysibus non v. vix longioribus (2-3 μ crass.) articulatis apice obtusis ac subclavulatis obvallati; sporidia transverse v. oblique monosticha, elliptica, utrinque rotundata (18-20 × 11 μ), laevia, hyalina, eguttulata.

*Hab.* Ad terram pinguem muscosam in sylvis prope *Hope harbour*, Maj. 1882.

*Obs.* Species *P. semiimmersae* Karst. et *P. euchroae* Karst. species peraffinis ac fere intermedia, ab utraque tamen satis distincta. Iodi ope nulla.

317. PEZIZA STERCOREA Pers. — Obs. 2, p. 89.

*Hab.* Vulgatissima in fimo vaccino et equino in herbosis prope *Ushuvaia*, Maj. et Jun. 1882.

*Obs.* Pili acuti rigiduli fulvelli parce (basi) septati (200-350 × 20 μ); asci cylindranei (200 × 5 μ); sporidia recte v. oblique monosticha utrinque obtusa (20-22 × 10-14 μ) hyalina. Iodi ope nulla.

318. PEZIZA SCUTELLATA L. — Suec. 458.

*Hab.* In truncis humo obovolutis putrescentibus prope *Penguin rookery* in *Staten island*, Febr. 1882.

319. LACHNELLA ANTARCTICA Speg. (n. sp.)



*Diag.* Lachnum; cupulae densiuscule sparsae, sessiles v. vix substipitatulae, minutissimae, udae applanato-concavae (0,5-1<sup>m</sup> diam.), siccae globuloso contractae, candidae, villosulae, pilis longiusculis cylindraceis (150-250 × 4-5 μ) apice obtusiusculis basi non incrassatis parcissime septulatis laevissimis flexuosulis dense vestitae, disco laevi albo-ceraceo donatae; asci cylindraceo-subfusoides, apice truncati, deorsum breviuscule crasseque pedicellati (60-65 × 5 μ), octospori, pseudo-paraphysibus clavulatis, apice longiuscule attenuatis acutissimis non v. vix longioribus (65-70 × 3-4 μ) hyalinis parce obvallati; sporidia subfusoides, utrinque acutiuscula (10 × 1-1,5 μ), recta v. curvula, continua, hyalina.

*Hab.* In ramulis emortuis decorticatis *Mayteni magellanicae* in *Gabel island*, Jun. 1882.

*Obs.* Contextus apothecii subprosenchymaticus pallide melleus; iodi ope nulla. Species *Cyphellae albo-violascentis* (A. S.) Karst. simillima, partibus fructificationis inspectis tantum dignoscenda; peraffinis etiam *L. mollissimo* Karst.

320. LACHNELLA AUSTRALIS Speg. (n. sp.)

*Diag.* Lachnum; cupulae hypophyllae, hinc inde 3-8 laxe gregariae, minutissimae, udae turbinato-applanatae (400-500 μ diam.), siccae non v. vix contractae margine involutae, deorsum attenuatae ac in pedicello glabro rigidulo concolore (500-800 × 50-80 μ) desinentes, extus sordide albae densiuscule villosulae, pilis breviusculis rectis v. flexuosulis cylindraceis (60-80 × 3 μ) apice non attenuatis obtuseque rotundatis, 3-5-septatis saepeque ad septa constrictis dense minuteque papillulosis hyalinis vestitae, disco pallescenti-ceraceo donatae; asci cylindraceo subclavati, antice attenuati, vertice non v. vix subtruncatulis ac minute 1-foveolati, postice longe

crasseque attenuato-pedicellati ( $45 \times 2,5-3 \mu$ ), octospori, pseudoparaphysibus longioribus ( $65-75 \times 2,5 \mu$ ), utrinque attenuatis, apice acutissimis, parce obvallati; sporidia acicularia v. subclavulata, utrinque attenuato-acutata ( $10 \times 0,7-0,8 \mu$ ), continua, hyalina.

*Hab.* Ad folia dejecta putrescentia *Berberidis ilicifoliae* in sylvis in *Staten island*, Mart. 1882.

321. LACHNELLA INSULARIS Speg. (n. sp.)

*Diag.* Lachnum; cupulae hinc inde laxe gregariae, sessiles, udae applanato-concavae ( $0,5-1,5''$  diam.), siccae subgloboso-contractae, extus sordide rufescenti- v. griseo-testaceae, apothecii contextu parenchymatico hyalino, pilis longiusculis gracilibus ( $200-300 \times 3 \mu$ ) cylindraceis flexuosulis rigidulis sursum non attenuatis apice obtusis basi non incrassatis 6-12-septatis non constrictis rufo-fuligineis vestitae, disco sordide ceraceo donatae; asci clavulati, sursum cuneati apiceque subtruncatulis, deorsum longiuscule attenuato-pedicellati (p. sp.  $85 \times 5 \mu$  — ped.  $15-20 \times 2-3 \mu$ ), octospori, pseudoparaphysibus longiusculis subclavulatis apice acutissimis ( $110-120 \times 2-3 \mu$ ) hyalinis obvallati; sporidia recte disticha v. oblique monosticha, subfusoida, utrinque attenuato-obtusata ( $9-11 \times 1,5 \mu$ ), recta v. subinaequilateralia, hyalina, continua; an per aetatem medio 1-septata?

*Hab.* Ad culmos vaginasque emortua putrescentia *Hierochloae antarcticae* prope *Penguin rookery* in *Staten island*, Febr. 1882.

*Obs.* Obturaculus ascorum minutissimus iodi ope dilute coeruleoescens.

322. LACHNELLA FUEGIANA Speg. (n. sp.)

*Diag.* Lachnum; cupulae hinc inde laxe gregariae superficiales sessiles v. vix subpedicellatae, udae appla-

nato-concavae (500-600  $\mu$  diam.), siccae globoso-contractae, candidae, extus pilis biformibus intermixtis vestitae, aliis longioribus (200-300  $\times$  4  $\mu$ ) deorsum cylindraceutis non v. 1-2-septulatis sursum continuis attenuatis apice acutiuscule rotundatis medio densiuscule noduloso-asperulis, aliis brevioribus (80-100  $\times$  5  $\mu$ ) cylindraceutis 1-3-septatis apice obtusis non attenuatis (ubique laevibus), disco albo-ceraceo donatae; asci cylindraceuto-subclavati apice late rotundati non v. lenissime angulato-acutati, deorsum breviter crasseque pedicellati (45-48  $\times$  5-6  $\mu$ ), octospori, pseudoparaphysibus tenuibus nonnihil longioribus (50-60  $\times$  3  $\mu$ ) apice incrassatulis ac cuneato-acutissimis parce obvallati; sporidia recte v. oblique monosticha, cylindraceuto-subfusoida, utrinque attenuato-obtusata (8-10  $\times$  1,5-2  $\mu$ ), inaequilateralia, continua, hyalina.

*Hab.* Ad folia emortua putrescentia *Poae Forsteri* in scopulis prope *Port Cook* in *Staten island*, Mart. 1882.

*Obs.* Obturaculus ascorum minutissimus intense iodi ope coeruleoescit.

323. LACHNELLA VELUTARIOIDES Speg. (n. sp.)

*Diag.* Eulachnella; cupulae hinc inde in rimulis densiuscule gregariae, sessiles, udae patellari-explanatae (1-2" diam.) saepe e mutua pressione angulosae, siccae contractulae margine subinvolutae, extus pulchre fulvo-v. rufescenti-tabacinae, villosulae, pilis cylindraceutis sursum non attenuatis apice tamen acutatis basi non incrassatis sed coalescentibus (200-250  $\times$  4-5  $\mu$ ) non v. parce subnoduloso septatis hyalinis substantia sordide fulvescente granuloso-incrustatis vestitae, disco pallidiusculenti-carneo donatae; asci cylindraceuti, apice obtuse rotundati, deorsum breviter attenuato-pedicellati (70-80  $\times$  7-8  $\mu$ ), octospori, paraphysibus filiformibus vix longioribus parce obvallati; sporidia oblique monosticha,

cylindracea v. allantoidea, utrinque obtuse rotundata (11-16  $\times$  4  $\mu$ ), continua, hyalina.

*Hab.* Ad ramulos vivos v. emortuos *Chilotrichi ameloidis* et *Escalloniae serratae* in *Staten island*, Mart. 1882.

*Obs.* Apothecii contextus carnosulus fere indistinctus sordidus; iodi ope nulla. Species habitu *Velutariis* plurimis simillima.

324. *LACHNELLA VIRGINEA* (Batsch.) Sacc. — Consp. gen. Disc. p. 4.

*Hab.* In trunco carioso putrescente prope *Slogget bay*, Jun. 1882.

*Obs.* Specimina fuegiana ab europeis vix sporidiis non-nihil majoribus (12-13  $\times$  3  $\mu$ ) vix recedunt. Iodi ope nulla.

325. *LACHNELLA?* TESTACEO-RUFA Speg. (n. sp.)

*Diag.* Eulachnella; cupulae sparsae v. hinc inde subgregariae, in rimulis fere absconditae, udae explanatae (1-2<sup>'''</sup> diam.), siccae difformi-contractulae, coriacellae, duriusculae, sordide obscureque testaceae, extus primo parce rufo-puberulae, pilis minutis brevibus continuis flexuosis apice obtusis basi coalescentibus (20-30  $\times$  3  $\mu$ ) pallide fulvis vestitae, per aetatem glabratae, contextu fulvescenti-ferrugineo parum distincto subprosenchymatico donatae, disco non v. vix pallidiori plano ornatae, margine acutiusculae, subrepandulae; asci cylindraceo-subclavulati, apice obtuse rotundati, deorsum longiuscule attenuati (75-80  $\times$  5  $\mu$ ), octospori, paraphysibus longis, densiusculis obvallati; sporidia recte v. oblique monosticha, elliptico-elongata v. subnavicularia, utrinque acutato-obtusata (8-10  $\times$  3-4  $\mu$ ) hyalina. Iodi ope nulla.

*Hab.* Vulgata ad rimulas ramulorum emortuorum v. subviventium *Chilotrichi amelloidis* in *Staten island*, Mart. 1882.

326. HELOTIUM ANTARCTICUM Speg. (n. sp.)

*Diag.* Cupulae sparsae v. laxe gregariae, turbinato-caly-ciformes (2-2,5<sup>m</sup> diam.) firmae tenacellae crassiusculae, extus ex albo fulvescentes, intus pallescentes, margine acutae integerrimae glabrae, basi in pedicellis breviusculis crassiusculisque cylindraco-conoideis (1-1,5<sup>m</sup> long.  $\times$  300-500  $\mu$  crass.) saepe basi connato-confluentibus candidis productae; asci cylindraco, antice obtuse rotundati, postice attenuato-pedicellati (180-200  $\times$  8  $\mu$ ), octospori, dense paraphysati; iodi ope nulla; sporidia recte v. oblique monosticha, elliptica v. subfusoida, utrinque acutata (14-15  $\times$  6  $\mu$ ), non v. biguttulata, hyalina, continua.

*Hab.* Ad truncos decorticatos putrescentes *Fagi betuloidis* in sylvis in *Staten island*, Mart. 1882.

*Obs.* Species firmula tenacella habitu fere *Rutstroemiae firmae* (Pers.) Karst., a genere nonnihil desciscens.

327. HELOTIUM BUCCINULA Speg. (n. sp.)

*Diag.* Cupulae sparsae v. laxe gregariae epiphyllae ceraceae opaceae discoideae (500-800  $\mu$  diam.), superne applanatae v. convexulae flavescens, inferne applanato-subturbinatae glabrae albae, obtuse crasseque marginatae, pedicello longiusculo gracili (1-1,5<sup>m</sup> long.  $\times$  100-150  $\mu$  crass.) concolore glabro non v. vix striatulo suffultae; asci clavulati, sursum breviter cuneato-rotundati apiceque subtruncati late pervii, deorsum in pedicello mediocri attenuati (90-100  $\times$  8-12  $\mu$ ), paraphysibus paucis filiformibus obvallati, octospori; iodi ope nulla; sporidia oblique monosticha, clavulata, sursum obtuse rotundata, postice attenuato-

acutata ( $25 \times 5 \mu$ ), hyalina, grosse 2-3-guttulata; an demum biseptata?

*Hab.* Ad folia dejecta *Berberidis ilicifoliae* in dumetis prope *Shammacus*, Maj. 1882.

328. *HELOTIUM CITRINUM* (Hdw.) Fr. — Karst., *Myc. fenn.* I, p. 120.

*Hab.* Non rarum ad ramulos dejectos putrescentes *Fagi betuloidis*, *Mayteni magellanicae* etc. per totam *Fuegiam*, hiem. 1882.

*Obs.* Specimina nonnulla vix a typo recedunt cupulis extus subpruinulosis. Asci  $90-100 \times 9 \mu$ ; sporidia subfusoidea  $10-12 \times 4-5 \mu$ , hyalina.

329. *HELOTIUM CLAVULIGERUM* Speg. (n. sp.)

*Diag.* Cyathicula; cupulae sparsae amphigenae minutissimae, superne discoideo-applanatae ( $600-800 \mu$  diam.) rufescentes, inferne subturbinatae glabrae pulchre rubescenti-ochraceae, margine acutiusculae hinc inde denticulato-subfimbriatae, stipite breviusculo ac crassiusculo ( $700-1000 \times 130-160 \mu$ ) inferne non v. vix incrassato saepius nigricante rigidulo suffultae; asci cylindranei v. cylindraneo-subfusoidei, antice truncati v. truncato-rotundati, postice attenuato-pedicellati ( $75-80 \times 7-9 \mu$ ), octospori, paraphysibus filiformibus non v. vix longioribus continuis apice clavulatis parce obvallati; ascorum obtoraculus minutissimus iodii ope coeruleo-obscurus; sporidia oblique monosticha, elliptica v. ovoidea, utrinque plus minusve obtusata ( $9-10 \times 4 \mu$ ), non v. nubiloso-farcta, hyalina.

*Hab.* Ad folia dejecta putrescentia *Fagi betuloidis* in sylvis in *Staten island*, Febr. 1882.

330. *HELOTIUM? CHLOROSPLENOIDE* Speg. (n. sp.)

*Diag.* Cupulae infundibuliformes, majusculae ( $3-5''$  diam.)

tenuiusculae tenacellae ligneo-pallescentes, disco glaberrimo obscuriore donatae, extus minutissime subfibroso-striatae, margine acutae integerrimae, deorsum in stipite longiusculo ac gracili terete (3-5<sup>'''</sup> long.  $\times$  0,4-0,5<sup>'''</sup> crass.) concolore basi non incrassato insitio glabro donatae, matrice late maculato-infusata insidentes; asci cylindraceo-subclavulati, antice non v. vix attenuati apice truncati, postice longe attenuato-stipitati (100-110  $\times$  6-6,5  $\mu$ ), paraphysibus filiformibus non v. vix longioribus laxe obvallati, octospori; sporidia oblique monosticha, elliptico-fusoidea utrinque acutissima (10  $\times$  4-5  $\mu$ ) recta v. subcymbiformia, hyalina non v. grosse 1-guttulata.

*Hab.* Ad ramulos fagineos dejectos putrescentes in sylvis prope *Port S. John* in *Staten island*, Mart. 1882.

*Obs.* Species certe a genere *Helotio* Fr. separanda, habitu *Chlorosplenio* Fr. simillima.

331. HELOTIUM EPIPHYLLUM Fr. — Karst., *Myc. fenn.* I, p. 122.

*Hab.* Non rarum ad folia dejecta *Fagi antarcticae* et *F. obliquae* in sylvis per totam *Fuegiam*, hiem. 1882.

*Obs.* In thallo *Marchantiae tabulari* prope *Port Cook* in *Staten island* specimina nonnulla *H. epiphyllum* Fr. var.  $\gamma$  *Marchantiae* Berk. legi, sed a typo nonnihil recedunt stipite longiore subpuberulo, disco acute marginato.

332. HELOTIUM FUEGIANUM Speg. (n. sp.)

*Diag.* Cupulae densiuscule sparsae obconicae concaviusculae (0,6-1<sup>'''</sup> diam.), margine acutae integerrimae v. repandulae, intus pulchre flavido-melleae, extus pallidiores glabrae, in stipite brevissimo ac crasso candido, non v. vix basi puberulo desinentes; asci cylindracei v. cylindraceo-subclavulati, antice obtuse rotundati, deor-

sum plus minusve longe attenuato-pedicellati ( $55-65 \times 5 \mu$ ), octospori, paraphysibus filiformibus nonnihil longioribus densiuscule obvallati; iodi ope ascorum apice dilute, obturaculo intense coerulescunt; sporidia oblique monosticha, elliptica utrinque obtusa ( $5-8 \times 2-3 \mu$ ) recta v. inaequilateralia, hyalina continua; an demum medio 1-septata?

*Hab.* Vulgatissimum ad ramulos dejectos putrescentes fagorum in *Fuegia* et *Staten island*, aest. et hiem. 1882.

333. HELOTIUM HERBARUM (Pers.) Fr.—Karst., *Myc. fenn.* I, p. 117.

*Hab.* Ad caules dejectos putrescentes *Senecii candicantis* prope *Penguin rookery* in *Staten island*, Febr. 1882.

334. HELOTIUM MICROSPERMUM Speg. (n. sp.)

*Diag.* Cupulae in ligno denudato hinc inde dense gregariae majusculae firmae cupulato-expansae (2-3" diam.) sessiles v. subsessiles, disco concaviusculo sordide rufescente v. melleo, margine acuto integerrimo donatae, extus sordide fuscae minutissime albo-pruinulosae; asci cylindranei v. subclavulati, sursum leniter attenuati apice obtuse rotundati crassiuscule tunicati, deorsum longiuscule crasseque attenuato-pedicellati ( $40-45 \times 2-3 \mu$ ), octospori, paraphysibus paucis nov v. vix longioribus obvallati; sporidia recte v. oblique mono- v. di-sticha, elliptica utrinque subacutato-rotundata ( $3-3,5 \times 1,5-1,8 \mu$ ), minute biguttulata, hyalina.

*Hab.* In ramulis emortuis decorticatis *fagineis* in sylvis prope *Ushuvaia*, Maj. 1882.

335. HELOTIUM? NIPTEROIDE Speg. (n. sp.)

*Diag.* Cupulae densiusculae sparsae, udae applanato-concavae (1-2" diam.), siccae subcontractulae angulosae sessiles crassiusculae rigidulae, extus pulchre gri-



seo-fuscae minutissime pruinulosae, papillis pusillis 1-cellularibus obtusis flexuosis ( $10-25 \times 5 \mu$ ) vestitae, contextu subparenchymatico carnosio subindistincto donatae, disco plano ceraceo flavescente ornatae, margine acutiusculae integrae v. repandulae; asci cylindranei, antice acutato-rotundati v. subtruncati, postice longiuscule attenuato-pedicellati ( $80-90 \times 7-8 \mu$ ), paraphysibus paucis filiformibus obvallati, octospori; sporidia recte v. oblique mono- v. disticha, elliptica v. elliptico-ovoidea utrinque obtusa ( $12-13 \times 3-3,5 \mu$ ), hyalina, continua. An per aetatem medio 1-septata?

*Hab.* In truncis cariosis putrescentibus *fagineis*? in sylvis in *Staten island*, Mart. 1882.

*Obs.* Species a genere *Helotio* Fr. longe recedens, cum nullo alio tamen bene congruens, ad interim hoc genere adscripta!

336. HELOTIUM SORDIDULUM Speg. (n. sp.)

*Diag.* Cupulae densiuscule sparsae turbinato-calyciformes minutissimae ( $300-400 \mu$  diam.) subpellucidae, disco infundibulari, dilutissime alutaceae, margine acutissimae integrae v. irregulariter eroso-denticulatae, extus sordide albae non v. vix tenuissime pruinulosae, sessiles v. pedicello brevissimo ac crassiusculo concolore suffultae; asci cylindraneo-subclavulati, sursum leniter attenuati apice subtruncato-rotundati crassiuscule tunicati minute 1-foveolati, deorsum attenuato-pedicellati ( $45-50 \times 3-3,5 \mu$ ), octospori, paraphysibus paucis filiformibus apice non v. vix subclavulatis obtusis obvallati; sporidia oblique monosticha, elliptico-cylindranea utrinque obtusiuscule rotundata ( $4-4,5 \times 1,5 \mu$ ), recta v. inaequilateralia, hyalina, continua.

*Hab.* Ad corticem fagineum putrescentem peridermio denudatum in sylvis prope *Port Cook* in *Staten island*, Mart. 1882.

*Obs.* Iodi ope tunica ascorum dilute, obturaculus intensius coerulescunt. Prope *Ushuvaia* specimina nonnulla notis externis perfecte cum typo congruentia, internis autem nonnihil recedentia (ascis  $45 \times 3 \mu$ ; paraphysibus apice non clavulatis; sporidiis minoribus  $2,5-3,2 \times 1,5 \mu$ ) legi; an species distincta?

337. *CHLOROSPENIUM AERUGINOSUM* (Fl. Dan.) DNtrs. — Karst., Myc. fenn. I, p. 108.

*Hab.* In truncis emortuis putrescentibus *Fagorum* in sylvis prope *Ushuvaia* et *Slogget bay*, hiem. 1882.

338. *CHLOROSPENIUM FUEGIANUM* Speg. (n. sp.)

*Diag.* Cupulae hinc inde gregariae, udae infundibuliformi-explanatae ( $1-2,5''$  diam.), siccae contractulae involutae, extus intusque sordide atro-olivaceae, extus in juventute rufescenti- v. fulvescenti-pruinulosae, dein glabratae, margine integerrimae tenacellae rigidulae, postice in stipitibus brevibus ac crassiusculis ( $1-2''$  long.  $\times 400-500 \mu$  crass.) saepe basi connatis concoloribus glabris v. olivaceo-pruinulosis cuneato-attenuatae; asci clavulati, antice rotundati crassiuscule tunicati non v. minute bifoveolati, postice longe stipitato-attenuati (p. sp.  $40-8 \mu$  — ped.  $70-90 \times 3-5 \mu$ ), octospori, paraphysibus filiformibus densiusculis obvallati; sporidia apice ascorum subconglobata, recte disticha, elliptico-fusoida utrinque acutato-obtusata ( $10 \times 4-5 \mu$ ), hyalina continua; an per aetatem 1-3-septata?

*Hab.* Ad ramos decorticatos putrescentes *Fagi betuloidis* prope *Port Vancouver* in *Staten island*, Mart. 1882.

*Obs.* Iodi ope nulla; lignum maculis latiusculis fusco-olivaceis saepe furfure rufescenti ornatis donatum.

339. *MOLLISIA FUEGIANA* Speg. (n. sp.)

*Diag.* Pyrenopeziza; cupulae superficiales sparsae v. hinc

inde laxe gregariae, e globoso hemisphaericae (250-300  $\mu$  diam.), disco applanatae v. vix concavae sordide fusco-fuligineae, extus atrae glabrae, contextu parenchymatico fuligineo donatae; asci cylindranei v. subclavati, antice rotundati crassiusculeque tunicati, deorsum breviter attenuato-pedicellati (35-40  $\times$  10  $\mu$ ), octospori, paraphysibus filiformibus densiusculis obvallati; sporidia oblique monosticha, cylindraneo-fusoidea utrinque acutiuscula (6-7  $\times$  1,5-2  $\mu$ ), hyalina, continua.

*Hab.* Ad folia viva v. languida *Poae* minutae cujusdam in sylvis prope *Ushuvaia*, Maj. 1882.

340. MOLLISIA? COPROPHYLA Speg. (n. sp.)

*Diag.* Niptera; cupulae saepius hinc inde densiuscule aggregatae sessiles, udae cupulato-explanatae (0,5-3<sup>'''</sup> diam.), siccae contractulae crassiuscule membranaceae tenacellae rigidulae, intus extusque fusco-olivaceae glaberrimae, margine acutae integrae non v. vix repandulae, contextu parenchymatico atro intus pallidiore; asci cylindranei, antice obtuse rotundati, postice breviter crasseque attenuato-pedicellati (140-150  $\times$  8-10  $\mu$ ), paraphysibus densis filiformibus hyalinis apice coalescentibus olivascentibusque obvallati, octospori; sporidia recte v. oblique monosticha, elliptica, utrinque obtuse rotundata (16  $\times$  8  $\mu$ ), hyalina, continua, laevia non v. 1-guttulata.

*Hab.* In fimo equino et vaccino putrescente vulgata prope *Ushuvaia*, Jun. 1882.

*Obs.* Iodi ope tunica ascorum apice dilute coerulescit.

341. MOLLISIA MYIOCOPRON Speg. (n. sp.)

*Diag.* Cupulae dense sparsae applanato-expansae discoideae (0,5-1<sup>'''</sup> diam.) tenui membranaceae sessiles late arctaque matrici adnatae glabrae laeves, contextu majusculè parenchymatico olivaceo-fusco; asci cylindra-

ceo-clavulati, antice subtruncato-rotundati crassiuscule tunicati, postice breviter crasseque attenuato-pedicellati ( $40 \times 3-3,5 \mu$ ), octospori, paraphysibus filiformibus obvallati; iodi ope nulla; sporidia recte disticha, obovata v. elongato-elliptica superne obtuse rotundata inferne acutiuscula ( $5-7 \times 1-1,5 \mu$ ) recta v. inaequilateralia, hyalina, continua.

*Hab.* In ramis fagineis decorticatis ad tuguria incolarum in *Gertrude Cove*, Jun. 1882.

342. NIPTERA ANTARCTICA Speg. (n. sp.)

*Diag.* Cupulae sparsae v. hinc inde laxe gregariae, primo epidermide tectae, dein, ea secedente, denudato-superficiales, hemisphaerico-cupulatae (200-250  $\mu$ ) atrae glabrae, contextu margine prosenchymatico (an fimbriatulo?) caeterum parenchymatico olivaceo-fusco donatae; asci cylindranei v. subfusoidi, antice truncato-rotundati crassiuscule tunicati minutissime bifoveolati, postice brevissime crasseque attenuato-pedicellati ( $65-80 \times 5 \mu$ ), octospori, paraphysibus paucis guttulis obvallati; iodi ope obturaculus ascorum intense coeruleo-lescit; sporidia recte disticha, cylindraneo-fusoidea, utrinque obtusiuscula ( $17-18 \times 1,5-2 \mu$ ), medio 1-septata non constricta, hyalina.

*Hab.* Ad culmos emortuos *Rostkoviae grandiflorae* in pratis uliginosis in *Staten island*, Febr. 1882.

*Obs.* Species vere pusilla ascomatibus quandoque matrice fere immersis nonnihil ad genus *Fabrea* Sacc. vergens.

343. BELONIDIUM AMOENUM Speg. (n. sp.)

*Diag.* Cupulae superficiales sparsae v. hinc inde 2-3-aggregatae sessiles, udae globulosae, disco tumido-hemisphaerico (250-400  $\mu$  diam.) albo-ceraceo donatae, siccae contracto-concavae globosae, extus flavescens villosulae, pilis longiusculis cylindraneis apice obtusis

basi non incrassatis ( $60-100 \times 1-2 \mu$ ) laevibus 4-6-septatis non constrictis rigidulis e hyalino-chlorinis vestitae; asci clavulati, antice abrupte breveque cuneati apiceque truncati, deorsum lenissime attenuati ( $60-70 \times 5-6 \mu$ ), aparaphysati, octospori; sporidia fasciculata, bacillaria, vix subclavulata, superne obtuse rotundata, inferne attenuato-acutata ( $35-40 \times 1,5 \mu$ ), 3-5-septata non constricta, hyalina.

*Hab.* Ad culmos emortuos putrescentes *Rosthkoviae grandiflorae* in *Staten island*, Mart. 1882.

344. RYPAROBIOUS CRUSTACEUS (Fuck.) Speg. — Fung. copr. ven. n. 43.

*Hab.* Non rarus in fimo vaccino et equino putrescente in herbosis prope *Ushuvaia*, Jun. 1882.

345. CENANGIUM AUSTRALE Speg. (n. sp.)

*Diag.* Stromata cortice innata sparsa v. laxe gregaria, primo peridermio tecta, dein, eo fisso, transverse erumpentia, elliptica ( $3-5''$  long.  $\times 1-3''$  lat.), pulvinatula ( $1''$  crass.), superne applanata truncato-marginata fusco purpurea saepius pulvere subviolascete inspersa; cupulae stromate immersae, primo clausae (an medio minute papillulatae?), dein applanato-expansae ( $0,5-1''$  diam.), saepe subconfluentes, non v. parce obtuseque marginatae, non v. vix exertae, e violascenti purpurascetes; asci cylindranei, antice truncato-rotundati, postice breviter crasseque attenuato-pedicellati ( $90-180 \times 14-18 \mu$ ), octospori, paraphysibus filiformibus longioribus dense obvallati; iodi ope tunica ascorum apice dilute violaceo-coerulescit; sporidia transverse v. oblique v. recte monosticha, elliptica, saepius utrinque obtusata ( $16-24 \times 7-14 \mu$ ), crasse tunicata, granuloso-farcta v. grosse 2-guttulata, primo hyalina dein chlorinula v. dilute olivascentia.

*Hab.* Vulgata ad ramos dejectos putrescentes *Fagi betuloidis* in sylvis in *Staten island* et *Fuegia*, aest. et hiem. 1882.

*Obs.* Species fabrica naturaque fere *Bulgarieis* adscribenda, vegetatione tamen cenangioidea donata. An melius novum genus?

346. TYMPANIS ANTARCTICA Speg. (n. sp.)

*Diag.* Cupulae dense coespitosae, per rimas lineares transversas peridermii erumpentes, 10-50 in quoque coespitulo, minutae (250-350  $\mu$  diam.) primo sphaeroideoclausae dein irregulariter apertae, extus atrae subcarbonaceae glabrae, intus vix pallescentes; asci cylindraceo-clavati, apice obtuse lateque rotundati, deorsum brevissime crasseque noduloso-stipitati (75-80  $\times$  10-14  $\mu$ ), myriospori, paraphysibus filiformibus longioribus dense obvallati; iodi ope nulla; sporidia inordinata conglobata muco immersa minuta cylindracea recta v. allantoidea (2-2,5  $\times$  0,7-1  $\mu$ ) utrinque plus minusve rotundata hyalina.

*Hab.* Ad ramos emortuos *Fagi betuloidis* in sylvis prope *Agaia*, Jun. 1882.

AMEGHINIELLA Speg. (n. gen.)

*Diag.* Cupulae primo parvulae tuberculum minutum cortice tectum efficientes, mox erumpentes ac explanato-expansae, basi connatae saepe confluentes, majores tenuiusculae membranaceae tenacellae flexiles plicato-undulatae fuscae v. atrae; asci pusilli octospori paraphysati; sporidia minuta cylindracea v. allantoidea, hyalina.

*Obs.* Genus singulare Clbr. *Fl. Ameghino* paleontologiae sud-americanae studioso acutissimo dicatum, epithecii natura ac fabrica inter *Rhizineas* ac *Bulgarieas* medium, vegetatione tamen ac fructificationis notis *Cenangieas* accedens.

347. AMEGHINIELLA AUSTRALIS Speg. (n. sp.)

*Diag.* Stroma parvulum tuberculato-effusum nodosum (3-5" diam.), primo peridermio tectum, dein transverse erumpens, atrum; cupulae sessiles primo parvulae crassiusculae rigidulae, mox explanato-expansae majusculae (1-3" diam.) crassiuscule membranaceae (300-450  $\mu$  crass.) coriacellae, flexiles, dense undulato-plicatae, margine acutae repandae v. sublobulatae atro-olivaceae, extus siccae olivaceo-pruinolosae, udae viscosulae, contextu interno rufescenti-ferrugineo; asci pusilli, antice rotundato-subtruncati, postice breviter crasseque pedicellati (40-50  $\times$  3-4,5  $\mu$ ), paraphysibus densis fuscidulis mucoso-diffluentibus obvallati, octospori; sporidia cylindracea v. allantoidea utrinque obtusata (4,5-6  $\times$  0,7-1  $\mu$ ), hyalina (luce refracta chlorina).

*Hab.* Ad ramos emortuos *Fagi betuloidis* in *Staten island* et *Fuegia* tota, aest. et hiem. 1882.

*Obs.* Species summopere polymorpha in juventute nunc *Cenangii* nunc *Triblidii* cujusdam habitum simulans, per aetatem tamem mox dignoscenda; asci centrifuge evolvuntur (jam e prima juventute) margine tandem semper sterile. Iodi ope nulla.

348. CORYNE SARCOIDES Tul. — Sel. fung. carp. III, p. 190.

*Hab.* Vulgata in truncis putrescentibus fagineis in *Staten island* et *Fuegia*, aest. et hiem. 1882.

*Obs.* Asci cylindracei apice plus minusve rotundati v. acutati, deorsum longiuscule attenuato-pedicellati (100-135  $\times$  7-8  $\mu$ ), octospori, paraphysati; iodi ope tunica non v. dilute, obturaculus intensius coerulescunt; sporidia elliptica v. elliptico-elongata utrinque plus minusve attenuato-rotundata (10-18  $\times$  4-6  $\mu$ ), primo continua 2-4-guttulata, dein 2-4-pseudoseptata, hyalina.

349. PROPOLIS LUGUBRIS Speg. (n. sp.)

*Diag.* Cupulae sparsae v. gregariae, subseriatae, elliptico-elongatae immersae erumpentes marginulatae (1-1,5<sup>m</sup> long.  $\times$  0,5-0,8<sup>m</sup> lat.), sordide obscureque fusco-olivaceae, glabrae; asci cylindranei, octospori, paraphysati, mox diffluentes; sporidia cylindraneo-elliptica utrinque rotundata (22-26  $\times$  5-8  $\mu$ ) inaequilateralia v. curvula, minute 2-guttulata, hyalina. Iodi ope nulla.

*Hab.* In ramis dejectis putrescentibus *Pernettiliae mucronatae* in *Schyring island*, Jun. 1882.

350. PROPOLIS PULCHELLA Speg. (n. sp.)

*Diag.* Cupulae densiusculae sparsae, matrice infusata impressae, margine frustulis matricis sublevatae cinctae, elliptica v. elongata (1-3<sup>m</sup> long.), applanatae disco roseae v. pallide cinerascenti-carneae; asci cylindranei v. clavulato-saccati (65-95  $\times$  10-16  $\mu$ ), octospori, antice obtusi, postice brevissime crasseque stipitati, paraphysibus densis filiformibus apice saepe subuncinatis v. ramulosis obvallati; iodi ope tunica ascorum vix coeruleo-rucescit; sporidia elliptica v. ovoidea, utrinque obtusa (15-20  $\times$  7-8  $\mu$ ) recta v. vix inaequilateralia, non v. grosse 2-guttulata, hyalina.

*Hab.* In trunco fagineo emortuo indurato prope *Slogget bay*, Jun. 1882.

*Obs.* Species *Pr. fagineae* Karst. peraffinis, satis tamen distincta.

251. OCELLARIA AECIDIOIDES Speg. (n. sp.)

*Diag.* Cupulae sparsae v. laxe gregariae, primo globosae tectae, dein erumpentes non v. vix exertulae, ore rotundae (450-600  $\mu$ ), margine latiusculo albo fimbriatulo cinctae, epithecio impresso cinereo-glaucopiano ornatae; asci obovati, antice late obtuseque rotundati crassissime tunicati, postice brevissime crasseque pedicellati, octospori, paraphysibus densis filiformibus apice



coalescentibus olivascentibusque obvallati; iodi ope asci et paraphyses, apice praecipue, intense coerulescunt; sporidia elliptica, utrinque obtusiuscula ( $15-17 \times 9 \mu$ ), crasse tunicata, hyalina.

*Hab.* Ad palos fagineos decorticatos in tuguriis incolarum prope *Ushuvaia*, Maj. 1882.

*Obs.* Species pulchella *Aecidiis* habitu simillima, sporidiorum fabrica lichenina, thallo gonidiisque tamen non visis.

352. STICTIS RADIATA (L.) Pers. — Obs. II, p. 73.

*Hab.* Non rara in ramulis emortuis *Senecii*, *Chilotrichi*, *Mayteni* in *Fuegia* tota, hiem 1882.

*Obs.* Inter specimina fuegiana 3 formae distinguendae sunt:

a) Cupulae crassiuscule marginatae fimbriatae albae, disco glaucescente; asci cylindranei, apice rotundati subcrasse tunicati non foveolati ( $200 \times 12 \mu$ ) densiuscule paraphysati; sporidia cylindranea, utrinque obtusa, dense septulata ( $180 \times 3-4 \mu$ ), hyalina.

b) Cupulae crassiuscule marginatae subfimbriatae albae, disco cinerascete; asci fusoido-cylindranei, apice truncato-rotundati crassissime tunicati majuscule 1-foveolati ( $150-180 \times 6-7 \mu$ ) densissime paraphysati; sporidia filiformi-clavulata, apice obtusata, basi acutata ( $120-130 \times 2-3 \mu$ ), dense multiseptata, hyalina.

c) Cupulae crassiuscule marginatae integrae albae, disco sordide melleo; asci cylindranei, apice rotundati crasse tunicati non foveolati ( $230-250 \times 6 \mu$ ) parce paraphysati, octospori; sporidia filiformia, utrinque acutata ( $200-210 \times 2 \mu$ ), obscure multiseptata, hyalina.  
An species distincta?

353. STICTIS LICHENOIDES Speg. (n. sp.)

*Diag.* Cupulae sparsae v. hinc inde 2-20-gregariae saepe

subconfluentes, matrice nuda v. macula alba farinoso-furfuracea obducta insidentes, primo globulosae clausae, dein discoideo-apertae (0,5<sup>m</sup> diam.), margine prominulo candido non v. vix lacinato, disco impresso minutissimo fuscidulo instructae; asci cylindranei, apice acutato-rotundati crasseque tunicati minute 1-foveolati, deorsum brevissime crasseque attenuato-pedicellati (75-80  $\times$  5  $\mu$ ), paraphysibus filiformibus densiusculis non v. vix longioribus subcoalescentibus obvallati, octospori; sporidia ascorum longitudine, filiformia flexuosa fasciculata tenuissima (0,5-0,8  $\mu$  crass.), hyalina, dense subimperspicueque guttulata.

*Hab.* Ad truncos fagineos denudatos induratosque in *Staten island*, Mart. 1882.

*Obs.* Species summopere lichenibus affinis, gonidiis tamen deficientibus ac iodi ope nulla!

354. STICTIS PUSILLA Speg. (n. sp.)

*Diag.* Cupulae sparsae immersae, primo globulosae tectae, dein erumpentes (350-500  $\mu$ ), margine prominulo candido non v. vix laciniato cinctae, disco aurantiaco impresso donatae; asci cylindraneo-fusoidei, antice truncato-rotundati tenuiter tunicati, deorsum breviter crassiusculeque pedicellati (80-95  $\times$  5-6  $\mu$ ), octospori, paraphysibus paucis filiformibus non v. vix longioribus obvallati; sporidia filiformia ascorum longitudine utrinque obtusiuscula (70-90  $\times$  1  $\mu$ ), dense minuteque guttulata, hyalina. Iodi ope nulla.

*Hab.* Ad culmos dejectos putrescentes *Rostkoviae grandiflorae* in *Staten island*, Mart. 1882.

355. STICTIS ARUNDINACEA Pers. — *Myc. eurp.* I, p. 336.

*Hab.* In foliis dejectis putrescentibus *Poae Forsteri* in scopulis prope *Port Cook* in *Staten island*, Febr. 1882.

*Obs.* Specimina fuegiana a typo nonnihil recedunt; cu-

pulae sparsae, primo globosae tectae, dein erumpentes epidermide laciniata cinctae, minutae (300-350  $\mu$ ) coriaceo-membranaceae, margine orali albicante non v. vix prominulo integro instructae, extus atrae v. olivascentes, contextu opaco indistincto, intus disco griseo-glaucescente donatae; asci cylindranei apice rotundati crassissime tunicati longiuscule 1-foveolati (fere glandiformes), deorsum brevissime attenuato-pedicellati (130-150  $\times$  4-5  $\mu$ ), paraphysibus filiformibus guttulis dense obvallati; sporidia filiformia (150  $\times$  1  $\mu$ ), multi-septata, hyalina, saepe in articulis subsecudentia. Iodi ope nulla.

356. XYLOGRAPHA PARALLELA Fr. — Fuck., Symb. myc. p. 252.

*Hab.* In ramis emortuis decorticatis subputrescentibus *Libocedri tetragonae* in *Schyring island*, Febr. 1882.

357. TROCHILA WINTERII Speg. (n. sp.)

*Diag.* Cupulae epiphyllae laxe gregariae innatae, primo tectae dein laciniato-erumpentes (250-300  $\mu$ ), atrae subnitentes glabrae coriaceo-membranaceae, epithecii contextu indistincto opaco fuligineo; asci subcylindranei v. obclavati, antice obtussissime lateque rotundati crassiuscule tunicati, postice subcoarctati, pedicello crasso brevissimo noduloso suffulti (40-50  $\times$  10-12  $\mu$ ), paraphysibus paucis crassiusculis obvallati, octospori; iodi ope ascorum obturaculus intense coeruleo; sporidia recte v. oblique disticha, ovoidea, utrinque obtusa (12-13  $\times$  5  $\mu$ ), granuloso-farcta, hyalina, continua. An postremo 1-septata?

*Hab.* Ad folia dejecta putrescentia *Drymidis Winterii* in *Staten island*, Mart. 1882.

358. LECANIDION ATRUM Rbh. — Fuck., Symb. myc. p. 266.

*Hab.* Ad truncos decorticatos induratosque *Fagorum* in *Ushuvaia*, Jun. 1882.

*Obs.* Asci cylindranei v. subclavulati ( $80-85 \times 14-15 \mu$ ); sporidia clavulata ( $30-40 \times 7 \mu$ ), 7-septata non constricta hyalina. Ascorum tunica apice, iodi ope, vix coerulescens.

359. *LECANIDION ANTARCTICUM* Speg. (n. sp.)

*Diag.* Cupulae sparsae v. hinc inde laxae gregariae sessiles erumpenti-superficiales, primo clausae subhysterioideae dein appanato-apertae, subdiscoideae v. ellipticae ( $0,5-1''$ ) atrae glabrae coriacellae, contextu indistincto opaco, crassiuscule submarginatae, in sicco saepe contractulae v. contortae; asci cylindraneo-clavati, antice obtuse rotundati crasseque tunicati, postice longiuscule attenuato-pedicellati (p. sp.  $100 \times 14 \mu$  — ped.  $10-20 \times 5 \mu$ ), paraphysibus densis filiformibus apice coalescentibus fuscescentibusque obvallati, octospori; sporidia oblique monosticha, clavulata, antice obtusata, postice attenuato-acutata ( $35-42 \times 5-6 \mu$ ), curvula, 5 (rarius 7-) septulata, non constricta, hyalina.

*Hab.* In ramulis emortuis v. languidis *Empetri rubri* et *Lebetanthi americani* in *Staten island* et prope *Hope harbour* in *Clarence island*, aest. et hiem. 1882.

360. *CALYCIUM MAGELLANICUM* Speg. (n. sp.)

*Diag.* Ascomata gregaria, ligno dealbata insidentia, capitulo e globoso turbinato-hemisphaerico disco tumidulo pulverulento olivaceo v. ferrugineo-atro ornato minuto ( $300-400 \mu$ ), stipite longiusculo setaceo rigidulo fragili atro glabro ( $1-3''$  long.  $\times 100-200 \mu$  crass.) basi non v. vix incrassato suffulto donata; asci cylindranei, antice obtuse rotundati, postice in pedicello longiusculo attenuati (p. sp.  $45-50 \times 3 \mu$  — ped.  $20-25 \times 1-1,5 \mu$ ), octospori, paraphysibus densis apice fuscescentibus

ac granuloso-coalescentibus obvallati; sporidia recte monosticha, cylindraceo-elliptica v. subconica, utrinque attenuato-obtusata ( $5-7 \times 2 \mu$ ), olivacea.

*Hab.* Ad corticem crassiorem vetustum *Fagi obliquae* in sylvis prope *Slogget bay*, Jun. 1882.

### MYXOMYCETEAE (Fr.) DBy.

361. TILMADOCHÉ NUTANS (Pers.) Rost. — Sluzowc. p. 127.

*Hab.* Ad ramulos foliaque subputrescentia *Drymidis Winteri* prope *Port Cook* in *Staten island*, Febr. 1882.

*Obs.* Specimina fuegiana vix a typo recedunt sporidiis nonnihil minoribus  $6-9 \mu$  diam.

362. BADHAMIA HYALINA (Pers.) Berk.—Linn. Tans. XXI, t. 19, f. 3.

*Hab.* Ad truncos fagineos muscosos subputrescentes in sylvis prope *Ushuvaia*, Maj. 1882.

363. ENTERIDIUM ANTARCTICUM Speg. (n. sp.)

*Diag.* Aetalium pulvinulatum planum irregulariter sub-lineare v. repandulo-subramulosum ( $3-14''$  long.  $\times$   $3-5''$  lat  $\times$   $0,5-1''$  crass.), sordide olivascenti-virescens, laeve; sporidia in glomerulis globulosis ( $20-30 \mu$  diam.) conglutinata, hemisphaerica v. irregulariter angulosa ( $9-10 \mu$ ), ubique laevia, pallide virescentia.

*Hab.* Ad cortices v. lignos decorticatos muscosos in sylvis in *Burnt island*, Jun. 1882.

*Obs.* Vix ab *En. olivaceo* Ehrb. sporidiis laevibus differt.

364. TRICHIA FALLAX Pers.—Obs. I, p. 59.

*Hab.* In ligno decortico putrescente ac mucido *fagineo* in sylvis in *Staten island*, Febr. 1882.

365. *TRICHIA FRAGILIS* (Sow.) Rostf. — Sluzowc. p. 246.

*Hab.* In trunco carioso putrescente *fagineo* in sylvis prope *Ushuvaia* et *Slogget bay*, hiem. 1882.

366. *HEMIARCYRIA SERPULA* (Scop.) Rost.— Sluzowc. p. 266.

*Hab.* Ad truncos ac ramos muscosos putrescentes in sylvis prope *Shammacus*, Maj. 1882.

## FUNGI IMPERFECTI

### SPHAEROPSIDAE Lév.

367. *PHYLLOSTICTA EMBOTRYI* Speg. (n. sp.)

*Diag.* Maculae nullae v. hypophyllae fuscescentes indeterminatae; perithecia hypophylla in maculis laxè aggregata minuta globulosa (60-70  $\mu$ ) epidermide velata tenui membranacea, circa ostiolum vix papillulatum atra subcarbonacea, caeterum pallide olivascentia, contextu parenchymatico; sporulae ellipticae v. ovoideae utrinque obtusiusculae (2,5-3  $\times$  1,5-2  $\mu$ ) hyalinae.

*Hab.* Ad folia languida *Embotryi coccinei* in *Aicina* insula, Maj. 1882.

368. *PHYLLOSTICTA GUNNERAE* Speg. (n. sp.)

*Diag.* Maculae nullae v. pallescentes indeterminatae; perithecia hinc inde laxè gregaria e lenticulari conoidea (80-100  $\mu$ ) prominula atra glabra, ostiolo impresso latiusculo (10  $\mu$  diam.), circa ostiolum subcarbonacea, caeterum membranacea, contextu grosse parenchymatico donata; sporulae cylindratae, utrinque subtruncato-rotundatae (2,5-4  $\times$  1  $\mu$ ), ac saepe minute 1-guttulatae rectae v. curvulae hyalinae.

*Hab.* Ad folia languida *Gunnerae magellanicae* in herboribus prope *Agaiia* in *Hoste island*, Jun. 1882.

369. *PHYLLOSTICTA HAMADRYADIS* Speg. (n. sp.)

*Diag.* Maculae majusculae indeterminatae, superne sordide fuscescentes, inferne subcinerascentes; perithecia hypophylla in maculis laxe gregaria, e globoso lenticularia (90-120  $\mu$ ), epidermide velata, tenui membranacea, ostiolo minutissimo vix papillulata, contextu grosse parenchymatico olivaceo donata; sporulae cylindratae v. elliptico-elongatae utrinque obtusiusculae (2-4  $\times$  1  $\mu$ ) ac saepe 1-guttulatae, rectae v. curvulae, hyalinae.

*Hab.* In foliis languidis v. emortuis *Hamadryadis magellanicae* in summis montibus prope *Port Cook* in *Staten island*, Febr. 1882.

370. *PHYLLOSTICTA MAYTENI* Speg. (n. sp.)

*Diag.* Maculae arescenti-albae amphigenae determinatae, linea stricta rufescente cinctae; perithecia innato-immersa lenticularia majuscula (200-250  $\mu$ ) coriacella, ostiolo vix papillulato, contextu densissime subimper-spicieque parenchymatico fusco donata; sporulae ellipticae v. ovoideae utrinque acutiusculae (6-9  $\times$  2-3  $\mu$ ) ac saepe 1-guttulatae, sterigmatibus breviusculis (6-10  $\times$  1,5-2  $\mu$ ) suffultae, hyalinae.

*Hab.* Ad folia languida *Mayteni magellanicae* in sylvis prope *Shammacus* et in *Picton island*, Maj. 1882.

*Obs.* Perithecia in parte infera tenuissime membranacea subevanida, an dimidiata?. Sporulae per aetatem saepe medio 1-septulatae.

371. *PHYLLOSTICTA MAGELLANICA* Speg. (n. sp.)

*Diag.* Maculae nullae; perithecia hypophylla laxe gregaria immerso-prominula epidermide velata e globoso lenticularia (120-150  $\mu$ ) atra coriacella glabra, ostiolo non v. vix papillulato, contextu densissime parenchymatico saepe subindistincto donata; sporulae elliptico-

cylindratae utrinque plus minusve acutato-rotundatae (4-6  $\times$  1,5-2,5  $\mu$ ) eguttulatae hyalinae.

*Hab.* In foliis dejectis *Ribis magellanicae* in *Picton island*, Maj. 1882.

372. PHYLLOSTICTA RIBIS Speg. (n. sp.)

*Diag.* Maculae amphigenae irregulariter rotundatae parvulae (2-5<sup>'''</sup> diam.) determinatae sordide rufescentes; perithecia epiphylla, laxissime gregaria pauca innato-prominula globoso-conoidea (80-90  $\mu$ ) atra tenui membranacea, ostiolo minutissimo impresso pertusa, contextu majusculè parenchymatico donata; sporulae elliptico-subglobosae, utrinque obtusae (3-4,5  $\times$  2-2,5  $\mu$ ), eguttulatae, hyalinae.

*Hab.* Ad folia languida *Ribis magellanicae* in *Staten island* et prope *Ushuvaia*, Mart. et Maj. 1882.

373. PHYLLOSTICTA ROSTHKOVIAE Speg. (n. sp.)

*Diag.* Maculae nullae v. apicales pallescentes; perithecia laxissime gregaria immersa epidermide velata e lenticulari globosa (80-90  $\mu$ ) atra glabra membranaceo-coriacella, ostiolo impresso minutissimo, contextu densiusculè parenchymatico parum distincto fusco-atro donata; sporulae cylindratae v. subfusoidae utrinque acutiusculè rotundatae (3-4  $\times$  0,8  $\mu$ ), rectae v. curvulae, eguttulatae, hyalinae.

*Hab.* In culmis languidis *Rostkoviae grandiflorae* in *Staten island*, Mart. 1882.

374. PHYLLOSTICTA VIOLAE Desm. — Sacc., Syll. III, p. 38.

*Diag.* In foliis languidis *Violae magellanicae* prope *Port Cook* in *Staten island*, Febr. 1882.

*Obs.* Maculae orbiculares amphigenae, centro albae zona sordide fuscescente cinctae, parvulae (2-5<sup>'''</sup> diam.); perithecia laxè gregaria lenticularia (80-100  $\mu$ ) immersa



tenuissime membranacea, contextu parenchymatico, ostiolo minutissimo impresso pertusa; sporulae elliptico-cylindratae utrinque acutiuscule rotundatae ( $5-7 \times 2-3 \mu$ ), eguttulatae, hyalinae.

375. *PHYLLOSTICTA WINTERII* Speg. (n. sp.)

*Diag.* Maculae orbiculari-expansae majusculae (1-3" diam.) saepius concentricae rugulosae subdeterminatae amphigenae, superne e nigricante cinerascens inferne glaucescenti-roseae v. cinereae; perithecia amphigena sparsa immersa vix prominula olivacea minuta ( $50-60 \mu$ ) membranacea, ostiolo minutissimo impresso perforata, contextu parenchymatico fusco donata; sporulae elliptico-cylindratae utrinque obtuse rotundatae ( $4,5 \times 1,5-2 \mu$ ) ac saepe 1-guttulatae, hyalinae.

*Hab.* Ad folia languida *Drymidis Winterii* in Staten island, Mart. 1882.

376. *PHOMA ANTARCTICA* Speg. (n. sp.)

*Diag.* Maculae nullae; perithecia hypophylla hinc inde dense aggregata immersa epidermide velata parum prominula ac perspicua subglobosa ( $180-220 \mu$ ) atro-olivacea, ostiolo minuto impresso, contextu densissime parenchymatico subimperspicuo olivaceo-fuligineo donata; sporulae ellipticae v. subcylindrato-fusoideae, utrinque plus minusve rotundato-acutatae ( $2-4 \times 0,7-1 \mu$ ) grosse 2-guttulatae hyalinae, sterigmatibus conoideo-cylindratis ( $10 \times 1-2 \mu$ ) suffultae.

*Hab.* Ad folia languida *Fagi betuloidis* in Staten island, Febr. 1882.

377. *PHOMA DESOLATIONIS* Speg. (n. sp.)

*Diag.* Maculae nullae; perithecia globulosa ( $80-90 \mu$ ) hinc inde dense ac subbotryose aggregata, primo epidermide tecta, dein erumpenti-denudata, atra subcarbonacea

glabra laevia, ostiolo minutissimo impresso, contextu indistincto donata; sporulae cylindraceae v. allantoidae, utrinque obtusae ac minute 1-guttulatae ( $2-3 \times 0,5-0,8 \mu$ ), hyalinae.

*Hab.* In gallis ramulorum *Fagi betuloidis* in *Fuegia* prope *Brecknok pass*, Maj. 1882.

378. PHOMA DRYMIDIS Speg. (n. sp.)

*Diag.* Maculae nullae v. vix pallescentes epiphyllae indeterminatae; perithecia sparsa immersa, primo tecta dein erumpenti-prominula, globulosa ( $110-120 \mu$ ) substoma coriacea atra glabra, contextu subindistincto olivaceo donata; sporulae lanceolatae v. fusoideo-ovatae, superne acutissimae, inferne obtusiusculae ( $9-11 \times 2,5-3 \mu$ ), eguttulatae, hyalinae, sterigmatibus longiusculis ( $10-15 \times 1-1,5 \mu$ ) simplicibus suffultae.

*Hab.* Ad folia languida *Drymidis Winterii* in *Staten island*, Mart. 1882.

379. PHOMA FUEGIANA Speg. (n. sp.)

*Diag.* Maculae nullae; perithecia densiuscule sparsa v. subseriata atra glabra globoso-lenticularia ( $140-160 \mu$ ) membranaceo-coriacella, ostiolo minutissimo papillulato, contextu parenchymatico olivaceo donata; sporulae ellipticae v. ovoideae utrinque attenuato-rotundatae ( $4-5 \times 1-2 \mu$ ) ac saepe 1-guttulatae, rectae v. inaequilaterales hyalinae, sterigmatibus minutissimis vix papillulatis suffultae.

*Hab.* Ad culmos vaginas foliaque emortua *Poae Forsteri*, in *Staten island*, Mart. 1882.

380. PHOMA GLACIALIS Speg. (n. sp.)

*Diag.* Perithecia sparsa, primo epidermide tecta dein nuda, globosa v. conoideo-lenticularia ( $180-220 \mu$ ) atra glabra coriaceo-membranacea, ostiolo non v. vix papillulato per-

tusa, contextu subindistincto parenchymatico fuligineo donata; sporulae ellipticae utrinque obtusiusculae ( $2-3 \times 1 \mu$ ) ac 1-guttulatae, rectae v. inaequilaterales, hyalinae.  
*Hab.* Ad caules emortuos *Cardaminis geraniifoliae* var. *glacialis* in alpinis prope *Port Cook* in *Staten island*, Mart. 1882.

381 PHOMA IAGANICA Speg. (n. sp.)

*Diag.* Maculae nullae; perithecia densiuscule gregaria, epidermide tecta prominula e globoso lenticularia ( $200-220 \mu$ ), ostiolo exertulo crassiusculo ac longiuscule papillato coronata, atra glabra membranaceo-coriacea, contextu densissime parenchymatico subimperspicuo atro-fuligineo donata; sporulae cylindratae v. ellipticae, utrinque acutatae v. rotundatae ( $2,5-4 \times 1-1,5 \mu$ ) ac minute 1-guttulatae, hyalinae.

*Hab.* In leguminibus aridis *Viciae magellanicae* in herbosis prope *Ushuvaia*, Maj. 1882.

382. PHOMA INSULARIS Speg. (n. sp.)

*Diag.* Maculae nullae; perithecia sparsa, parenchymate immersa, epidermide tecta dein saepius laciniatim v. suboperculatim erumpentia globulosa ( $130-180 \mu$ ) atra crasse coriaceo-membranacea, ostiolo non v. vix papillulato, contextu indistincto donata; sporulae ellipticae v. ovoideo-sublanceolatae, saepius utrinque longiuscule acutato-obtusatae, non v. medio 1-guttulatae ( $5-7 \times 1,5 \mu$ ) hyalinae, sterigmatibus filiformibus ( $12-15 \times 1 \mu$ ) suffultae.

*Hab.* Ad folia dejecta *Berberidis ilicifoliae* in *Staten island*, Mart. 1882.

383. PHOMA PHILESIAE Speg. (n. sp.)

*Diag.* Maculae nullae v. pallescentes indeterminatae; perithecia epiphylla dense sparsa immersa epider-

mide tecta adnataque atra lenticularia (150-160  $\mu$ ) laevia glabra coriaceo-membranacea, ostiolo minutissimo impresso, contextu indistincto donata; sporulae cylindratae v. cylindrato-ellipticae utrinque obtuse rotundatae (18-21  $\times$  5-6  $\mu$ ), guttulatae v. granuloso-farctae, hyalinae.

*Hab.* Ad folia emortua *Philesiae buxifoliae* in *Basket island*, Jun. 1882.

384. PHOMA SYMPHYOSTEMI Speg. (n. sp.)

*Diag.* Perithecia matrice late cinerascanti-nigrificata insidentia epidermide velata lenticularia (150-160  $\mu$ ) coriacea atra glabra, ostiolo minuto non v. vix papillulato, contextu densissimo indistincto donata; sporulae parvulae ellipticae utrinque obtusiusculae (2-3  $\times$  1  $\mu$ ) ac minute 1-guttulatae, saepius inaequilaterales hyalinae, sterigmatibus subconoideis crassiusculis (5-8  $\times$  1,5  $\mu$ ) suffultae.

*Hab.* Ad scapos emortuos *Symphyostemi narcissoidis* et *Sisyrinchii filifolii* prope *Shammacus* et *Punta anegada*, hiem. 1882.

385. PHOMA WINTERII Speg. (n. sp.)

*Diag.* Perithecia hinc inde 3-5-aggregata, globulosa (150-180  $\mu$ ) cortice immersa, peridermio velata atra glabra coriaceo-subcarbonacea, ostiolo impresso perforata, contextu indistincto opaco donata; sporulae cylindratae, utrinque obtusae (3-5  $\times$  0,8-1  $\mu$ ), rectae v. curvulae, hyalinae.

*Hab.* Ad corticem ramorum emortuorum *Drymidis Winterii* in *Staten island*, Mart. 1882.

386. AOSPHAERIA CITRISPORA Speg. (n. sp.)

*Diag.* Perithecia sparsa v. hinc inde 2-5-aggregata superficialia globulosa (180-200  $\mu$ ) atra glabra subrugulosa

astoma? coriacea, contextu indistincto; sporulae ovoideo-v. globuloso-citriformes utrinque v. inferne tantum acutatae (10-13  $\times$  7-9  $\mu$ ) hyalinae, sterigmatibus clavulatis (10-15  $\times$  1-2  $\mu$ ) simplicibus suffultae, paraphysibus valde longioribus filiformibus obvallatae.

*Hab.* In schidiis fagineis vetustis in sylvis prope *Agaiia* in *Hoste island*, Jun. 1882.

387. APOSPHAERIA CLAUSA (Wint.) Speg. — Wint., Pilz. v. C. Horn, n. 9.

*Hab.* Vulgatissima ad ramos fagineos decorticatos in *Staten island* et *Fuegia*, aest. et hiem. 1882.

*Obs.* Sporulae cylindratae utrinque obtusiusculae (3-7  $\times$  1-2  $\mu$ ) rectae v. vix curvulae hyalinae.

388. APOSPHAERIA PULCHELLA Speg. (n. sp.)

*Diag.* Perithecia ligno denudato, extus cinerascenti-dealbato, intus roseo-virgatulo, laxe insculpta prominula conoidea (100-130  $\mu$ ), ostiolo minuto papillulato ornata, coriaceo-membranacea, in sicco subcollabescentia atra glabra, contextu indistincto donata; sporulae cymbiformes, utrinque acutiusculae (3-4,5  $\times$  1-1,5  $\mu$ ), primo hyalinae dein fuscidulae.

*Hab.* Ad ramos emortuos decorticatos fagineos prope *Slogget bay*, Jun. 1882.

*Obs.* Species sporis fuscidulis genere *Coniothyrio* Cda. accedens.

389. APOSPHAERIA TRIVIALIS Speg. (n. sp.)

*Diag.* Perithecia hinc inde in ligno denudato dense gregaria saepius plagulas atras majusculas elongatas efficientia, globulosa (150-180  $\mu$ ) atra glabra subcarbonacea, ostiolo minutissimo vix papillulato, contextu indistincto donata; sporulae ellipticae v. elliptico-cylindraceae utrinque obtusae (5-8  $\times$  3  $\mu$ ), hyalinae, eguttulatae.

*Hab.* In schidiis fagineis putrescentibus in *Staten island* et prope *Slogget bay*, Mart. et Maj. 1882.

390. SPHAERONEMA CONICUM (Tode) Fr. — Wint., Pilz. v. C. Horn, n. 13.

*Hab.* Non rarum in schidiis fagineis in sylvis prope *Ushuvaia*, Maj. 1882.

*Obs.* Sporulae subcylindratae utrinque obtusiusculae (4-5  $\times$  1,5  $\mu$ ) hyalinae.

391. DOTHIORELLA WINTERII Speg. (n. sp.)

*Diag.* Stromata tuberculoso-subhemisphaerica (1-3<sup>'''</sup> diam.), cortice insidentia, per peridermium erumpentia ac sub-superficialia, atra; perithecia in stromate peripherice constipata semiexerta globulosa (150-180  $\mu$ ) atra glabra astoma subcarbonacea, contextu indistincto; sterigmata di-v. tri-cothoma (18-20  $\times$  0,5-1  $\mu$ ), ramulis saepius ovatis v. obclavatis apice acutis donata, hyalina; sporulae cylindratae v. allantoidae, minutissimae (2-2,5  $\times$  0,5-0,8  $\mu$ ), hyalinae.

*Hab.* In ramis emortuis *Drymidis Winterii* prope *Port Cook* in *Staten island*, Mart. 1882.

ANTHRACODERMA Speg. (n. gen.)

*Diag.* Stroma innato-superficiale atrum carbonaceum rigidum, loculis plus minusve prominulis denseque constipatis vestitum; sporulae elongatae continuae hyalinae.

*Obs.* Genus singulare in *Cyttarieis* parasiticum.

392. ANTHRACODERMA HOOKERI Speg. (n. sp.)

*Diag.* Stroma atrum carbonaceum totam matricem crusta carbonacea fragili obtegens; loculi dense constipati globulosi (150-180  $\mu$ ) vix prominuli rugulosi atri astomi? (an minute perforati?), contextu indistincto; sporulae

fusoideae utrinque attenuatae ac acutato-obtusatae (10-15  $\times$  3-4  $\mu$ ), inaequilaterales, non v. granuloso-farctae, hyalinae.

*Hab.* Ad *Cyttarium Hookeri* emortuam in ramulis fagorum in *Basket island*, Jun. 1882.

393. ANTHRACHODERMA SELENOSPERMUM Speg. (n. sp.)

*Diag.* Stroma saepius basin matricis tantum anulatim cingens, rarius per totam matricem diffusum tumidulum carbonaceum atrum glabrum; loculi ovoidei v. obovati, plus minusve exerti, (350-450  $\times$  150-200  $\mu$ ), sursum obtusi non v. vix ostiolato-perforati laevissimi glabri atrii carbonacei, contextu indistincto; sporulae e strato prolifero immediate oriundae, cylindratae, falcatae v. uncinatae, utrinque obtusiusculae (12-20  $\times$  2-2,5), granuloso-farctae, hyalinae.

*Hab.* Ad *Cyttarium Hookeri*? languidam in ramulis *Fagorum* prope *Agafia* et *Brecknok pass*, Jun. 1882.

394. FUCKELIA ? ANTARCTICA Speg. (n. sp.)

*Diag.* Stromata elliptica (2-5"  $\times$  1-2") densiuscule sparsa transverse erumpentia pulvinulata margine truncata rarius subeffusa, superne applanata non v. vix scrupuloso-rugulosa, coriaceo-carnosula ex atro v. fusco purpurascens, contextu densissime parenchymatico plus minusve distincto; loculi dense constipati, non v. vix prominuli minuti (80-100  $\mu$ ); sporulae globosae v. ovoideae (8-12  $\times$  8-10  $\mu$ ), inferne subapiculato-angulatae, crassiuscule tunicatae granuloso-farctae hyalinae, sterigmatibus filiformibus longiusculis (10-15  $\times$  1-2  $\mu$ ), concoloribus suffultae.

*Hab.* Ad ramos emortuos subputrescentes *Fagorum* in *Staten island* et prope *Ushuvaia*, Mart. et Jun. 1882.

*Obs.* Species statum spermogonicum *Cenangii australis* Speg. sistens, a genere satis tamen desciscens.

395. CYTISPORELLA? MACRORHYNCA Speg. (n. sp.)

*Diag.* Stromata hinc inde sparsa per peridermium tuberculose erumpentia (2-5<sup>'''</sup>) atra subcarbonacea; loculi distincti globulosi (400-450  $\mu$ ), in ostiolo crasso longissimoque (0,5-1,5<sup>'''</sup>  $\times$  300-400  $\mu$ ) atro recto v. tortuoso apice truncato v. bulloso-inflato carbonaceo producti; sporulae cylindraceo-ellipticae utrinque truncatae v. rotundatae (2-2,5  $\times$  1  $\mu$ ) ac minute 1-guttulatae hyalinae, sterigmatibus filiformibus longiusculis (25  $\times$  0,8-1  $\mu$ ) suffultae.

*Hab.* In cortice vetusto subvivo *Fagi betuloidis* in *Staten island*, Mart. 1882.

396. CYTISPORELLA? ANTARCTICA Speg. (n. sp.)

*Diag.* Perithecia peridermio tecta, stromate nullo, sublibera valsiformiter aggregata atra subcarbonacea minuta (180-200  $\mu$ ), ostiolis minutis conniventibus ac disculum peridermium perforantem non v. vix exertum efficientibus donata; sporulae minutae cylindraceae v. suballantoideae utrinque obtusae (2-3  $\times$  0,8-1  $\mu$ ), hyalinae.

*Hab.* Ad ramos emortuos *Ribis magellanicae* in sylvis prope *Ushuvaia*, Maj. 1882.

*Obs.* Statum spermogonicum *Kacosphaeriae antarcticae* Speg. sistens.

397. CYTISPORELLA? ANTARCTICA Speg. (n. sp.)

*Diag.* Stromata minuta elliptico-scutata peridermio tecta (1-3<sup>'''</sup>) atra, centro papillata ac perforanti-exertula; loculi ovati (300-400  $\times$  1  $\mu$ ), radiatim dense constipati, ostiolis conniventibus atris subcarbonaceis; sporulae allantoideae plus minusve curvulae, utrinque acutiusculae (3-4  $\times$  0,7-1  $\mu$ ) ac minute 1-guttulatae, chlorinulae.

*Hab.* Ad ramulos emortuos *Fagi betuloidis* prope *Agaia* et in *Burnt island*, Jun. 1882.



398. *CYTISPORA? DURISSIMA* Speg. (n. sp.)

*Diag.* Stromata hinc inde per peridermium erumpentia, tuberculoso-diformia minuta (0,5-1  $\mu$ ) atro-olivacea, cornea durissima glabra laevia v. subrugulosa, contextu carnosulo indistincto olivaceo; loculi periphærici subglobosi (80-100  $\mu$ ) immersi albo-farcti; sporulae cylindræ, utrinque plus minusve obtusatae (3-5  $\times$  1  $\mu$ ), hyalinae, basidis filiformibus (10-20  $\times$  1  $\mu$ ) suffultae.

*Hab.* Ad ramos emortuos *Embotryi coccinei* in *Aicina* insula, Maj. 1882.

*Obs.* Species vulgatissima, rarissime tamen fertilis, fabrica nonnihil lichenina; gonidiis non visis!

399. *CYTISPORA MAGELLANICA* Speg. (n. sp.)

*Diag.* Stromata laxè sparsa, cortice insidentia, peridermio subrelaxato tecta e clipeato conoidea (1-1,5'''), centro papilla conico-cylindræ atra perforante non v. vix exerta ac truncata donata; loculi pauci subcircinati parvuli (150-180  $\mu$ ) albo-farcti; sporulae allantoideae utrinque acutiuscule rotundatae (5  $\times$  1  $\mu$ ), plus minusve curvulae, hyalinae.

*Hab.* Ad ramos emortuos putrescentes *Ribis magellanicae* in *Hope harbour*, Maj. 1882.

400. *CYTISPORA MAYTENI* Speg. (n. sp.)

*Diag.* Stromata cortice innata tuberculoso-subeffusa, primo peridermio tecta dein latiuscule erumpentia, non v. vix exerta atra coriacella, contextu indistincto; loculi inordinati minuti saepius e mutua pressione difformes (90-120  $\mu$ ) albo-farcti; sporulae allantoideae, utrinque obtusiusculæ (6  $\times$  1  $\mu$ ), hyalinae.

*Hab.* Ad ramulos emortuos dejectos *Mayteni magellanicae* prope *Shammacus*, Maj. 1882.

401. *CEUTHOSPORA FUEGIANA* Speg. (n. sp.)

*Diag.* Stromata innata densiuscule sparsa epi-v. hypophylla impressula irregulariter suborbicularia (1-3<sup>'''</sup>) determinata subcarbonacea atra glabra laevia tenuiuscula, centro loculis paucis (rarius 1) depressis anguloso-diformibus (150-250  $\mu$  diam.) albo-farctis donata; sporulae cylindratae utrinque obtusae (12-15  $\times$  2-2,5  $\mu$ ) rectae, hyalinae non v. granuloso-farctae.

*Hab.* Ad folia dejecta putrescentia *Mayteni magellanicae* in sylvulis prope *Shammacus*, Maj. 1882.

402. CEUTHOSPORA MAGELLANICA Speg. (n. sp.)

*Diag.* Stromata sparsa innata prominula saepius epiphylla, irregulariter suborbicularia (0,5-1<sup>'''</sup>), densiuscule sparsa, determinata subcarbonacea atra subnitentia, centro loculo unico (rarius 2-3) lenticulari (230-380  $\mu$ ) albo-farcto irregulariter (an laciniatim?) dehiscente donata; sporulae cylindratae utrinque obtusae (10-14  $\times$  2,5  $\mu$ ) rectae, hyalinae.

*Hab.* Ad folia dejecta putrescentia *Berberidis buxifoliae* in dumosis prope *Ushuvaia*, Maj. 1882.

403. CONIOTHYRIUM FUEGIANUM Speg. (n. sp.)

*Diag.* Perithecia minuta lenticulari-globosa (120-150  $\mu$ ) atra glabra hinc inde sparsa v. 3-8-seriata immersa v. vix prominula membranacea, epidermide parum circum circa infuscata tecta adnataque, ostiolo minuto papillulato lato (20  $\mu$ ) non v. vix subexerto, contextu dense parenchymatico olivaceo donata; sporulae e globoso ellipticae (4-6  $\times$  3-4  $\mu$ ) utrinque obtusae, rectae v. sub-inaequilaterales, olivaceae.

*Hab.* In foliis culmisque putrescentibus *Poae Forsteri* in *Chair island*, Maj. 1882.

404. CONIOTHYRIUM? HOOKERI Speg. (n. sp.)

*Diag.* Perithecia minuta lenticulari-globosa (100-120  $\mu$ )

innato-prominula non v. vix papillulato-ostiolata atro-olivacea carnosulo-membranacea, contextu dense parenchymatico subindistincto; sporulae ellipticae, globosae v. subcuboideae ( $6-10 \times 5-6 \mu$ ) fuligineae (an catenulatae?).

*Hab.* In disco *Cyttariae Hookeri?* e ramulis fagineis vix erumpente, *Slogget bay*, Jun. 1882.

*Obs.* Species pulchella a genere nonnihil desciscens; an status spermogonicus ipsius *Cyttariae*?

405. HARKNESSIA ANTARCTICA Speg. (n. sp.)

*Diag.* Maculae nullae; acervuli minutissimi ( $150-250 \mu$ ), amphigeni immersi porose dehiscentes, cirrho nigricante ornati, pseudoperithecio substromatico olivaceo; sporulae ellipticae rectae ( $17-20 \times 7-8 \mu$ ) apice acutiusculae non v. 1-guttulatae, basi cauda recta hyalina persistente cylindracea ( $12-15 \times 1,5 \mu$ ) auctae.

*Hab.* Ad folia emortua *Fagi betuloidis* tuguria incolarum tegentia in *Burnt island*, Jun. 1882.

*Obs.* Forma hujus speciei ramulicola e *Basket island* etiam adest; acervuli majusculi ( $1-3'''$ ) cortice innati primo peridermio tumefacto tecti, dein erumpentes, atro-cinnamomei stromate pluriloculari spurio donati; sporulae, ut in typo, sed paraphysibus filiformibus minutis obvallatae.

406. HARKNESSIA FUEGIANA Speg. (n. sp.)

*Diag.* Maculae albae saepe totum folium ambientes determinatae, linea fuscescente cinctae; acervuli amphigeni laxe gregarii immersi conoideo-prominuli ( $300 \mu$ ), apice porose dehiscentes, pseudoperithecio subparenchymatico tenuissimo olivaceo vix evoluto donati; sporulae ellipticae ( $20-24 \times 11 \mu$ ) apice obtusiusculae, grosse 1-guttulatae, rectae, basi cauda clavulata ( $18-20 \times 3 \mu$ ) hyalina flexuosula auctae.

*Hab.* Ad folia languida *Mayteni magellanicae* in *Picton island*, Maj. 1882.

407. *DARULUCA FILUM* (Biv.) Cast. — Sacc., Syll. vol. III, p. 416.

*Hab.* Ad spiculas *Agrostidis magellanicae* ab *Anguilula tritici* infectas in herbosis montanis prope *Port Cook* in *State island*, Mart. 1882.

*Obs.* Sporulae ellipticae v. ovatae rarius subbiconicae, medio 1-septatae, non v. vix constrictulae, utrinque mucoso-penicillatae non v. minute 1-guttulatae ( $12-13 \times 3-3,5 \mu$ ), hyalinae.

408. *DIPLODINA ? VERRUCULOSA* Speg. (n. sp.)

*Diag.* Perithecia erumpenti-superficialia, hemisphaericoglobulosa ( $200-250 \mu$ ), densiuscule gregaria v. seriata, minute denseque verruculosa atra astoma v. irregulariter dehiscentia?, membranaceo-coriacella, contextu parenchymatico pellucido fuligineo; sporulae cylindraceae, utrinque obtusiusculae ( $8-12 \times 1-1,5 \mu$ ) rectae v. subcurvulae, hyalinae.

*Hab.* Ad culmos dejectos putrescentes *Tritici secundi* in marittimis prope *Shammacus*, Maj. 1882.

409. *STAGANOSPORA CHILIOTRICHI* Speg. (n. sp.)

*Diag.* Perithecia sparsa epiphylla immersa non v. vix prominula lenticularia ( $80-90 \mu$ ) tenui membranacea, contextu dense parenchymatico, ostiolo minuto impresso perforata; sporulae cylindraceae utrinque obtusiusculae ( $15-20 \times 2,5 \mu$ ), rectae v. leniter inequilaterales, triseptatae non constrictae, hyalinae.

*Hab.* Ad folia emortua *Chiliotrichi amelloidis* in pratis prope *Penguin rookery* in *Staten island*, Febr. 1882.

410. *STAGANOSPORA INSULARIS* Speg. (n. sp.)

*Diag.* Perithecia minutissima densiuscule gregaria ac subseriata lenticularia (80-90  $\mu$ ) tenui membranacea, contextu parenchymatico fuligineo, ostiolo latiusculo (15  $\mu$ ) impresso perforata; sporulae cylindraceae v. subclavulatae, utrinque obtusissimae (18-24  $\times$  3  $\mu$ ), rectae v. flexuosulae, 3-(rarius 4-) septulatae non constrictae, hyalinae v. perdilute chlorinulae.

*Hab.* In foliis emortuis *Agrostidis magellanicae* in collinis prope *Port Cook* in *Staten island*, Mart. 1882.

411. STAGANOSPORA OXYSPORA Speg. (n. sp.)

*Diag.* Perithecia amphigena sparsa v. gregaria ac seriata, parenchymate immersa globulosa (90-100  $\mu$ ) tenui membranacea atra glabra parenchymatica, ostiolo minuto impresso donata; sporulae fusoideae utrinque attenuato-acutatae (24-28  $\times$  3-5  $\mu$ ), rectae v. subsigmoideae, 5-septatae non constrictae, hyalinae.

*Hab.* In foliis emortuis *Hierochloae antarcticae* in pratis prope *Port S. John*, Febr. 1882.

412. CAMAROSPORIUM ANTARCTICUM Speg. (n. sp.)

*Diag.* Perithecia hinc inde pauci-aggregata, cortice stromatice infuscato v. nigrificato innata, primo peridermio tecta, dein erumpentia globosa (180-220  $\mu$ ) atra glabra, papillulato-ostiolata, carnosulo-membranacea, contextu indistincto; sporulae ovoideae, utrinque obtusiusculae (18-22  $\times$  6-7  $\mu$ ), rectae v. subinaequilaterales, horizontaliter 3-4-5-septatae non constrictae (vix in senectute), loculis 1-2-centralibus septo altero verticali v. obliquo rarius deficiente percursis, fuligineis, loculis extimis pallidioribus.

*Hab.* Ad ramulos dejectos emortuos *Berberidis ilicifoliae* in *Staten island*, Mart. 1882.

413. CYTOSPORIUM? FUEGIANUM Speg. (n. sp.)

- Diag.* Perithecia in matrice late infuscata v. nigrificata superficialia globoso-depressa (250  $\mu$ ) atra subcarbonacea, primo pilis cylindraceis acutis continuis opacis fuligineis basi non incrassatis saepeque subcoespitulosis (20-80  $\times$  5-7  $\mu$ ) laxe vestita, dein glabrata, ostiolo non v. vix papillulato-donata, contextu indistincto; sporulae ellipticae, utrinque acutiuscule rotundatae (18-20  $\times$  4-6  $\mu$ ), horizontaliter 3-5-(rarius 7-) septatae, ad septa validule constrictae, loculis 2-3 (rarius 0) centralibus septo altero continuo donatis, griseo-fuligineae.
- Hab.* Ad lignum decorticatum putrescens *Libocedri tetragoni* et *Fagi* cujusdam prope *Port Tom* in *Schyring island*, Jun. 1882.
- Obs.* Species notis fructificationis ac sterigmatibus deficientibus nonnihil dubiosa. An ascigera?.

414. SEPTORIA ANTARCTICA Speg. (n. sp.)

*Diag.* Maculae amphigenae pallescentes orbiculares (1-3<sup>'''</sup>) determinatae; perithecia centro pauci-aggregata immersa lenticularia (60-90  $\mu$ ) tenuissime membranacea, contextu parenchymatico vix perspicuo pallide olivaceo, ostiolo impresso minuto donata; sporulae filiformes utrinque obtusiusculae (30-40  $\times$  1  $\mu$ ) rectae v. flexuosulae, minute denseque guttulatae (an septulatae?), hyalinae.

*Hab.* Ad folia languida *Chryso-splenii macranthi* in *Picton island*, Maj. 1882.

415. SEPTORIA APIICOLA Speg. (n. sp.)

*Diag.* Maculae amphigenae irregulares (2-8<sup>'''</sup>) centro albicantes, inferne indeterminatae, superne determinatae ac zonula obscuriore cinctae; perithecia centralia pauca laxe aggregata prominula atra lenticularia (60-80  $\mu$ ) tenui membranacea, contextu parenchymatico olivascente, ostiolo minuto impresso donata; sporulae

filiformes utrinque acutiusculae ( $30-45 \times 1,5 \mu$ ), 3-7-septatae, non constrictae, flexuosulae, hyalinae.

*Hab.* Ad folia viva v. languida *Apii australis* ubique in *Staten island* et *Fuegia*, aest. et hiem. 1882.

416. SEPTORIA ? FAGICOLA Speg. (n. sp.)

*Diag.* Perithecia erumpenti-superficialia innata sparsa amphigena globuloso-depressa ( $180-200 \mu$ ) atra glabra subcarbonacea, contextu indistincto, astoma? per aetatem lacero-dehiscentia, ac saepius sporis exilientibus griseo-pruinulosa; sporulae cylindratae utrinque acutiusculae ( $18-25 \times 2-2,5 \mu$ ), continuae, rectae, hyalinae.

*Hab.* Ad folia viva v. languida *Fagi betuloidis* in sylvis in *Fuegia* prope *London island*, Mart. 1882.

*Obs.* Species a genere nonnihil deflectens, nunc *Phomam* nunc *Rhabdosporam* accedens.

417. SEPTORIA MACROSPERMA Speg. (n. sp.)

*Diag.* Perithecia dense seriata immersa epidermide infuscata tecta globulosa ( $100-110 \mu$ ) atra coriaceo-membranacea, ostiolo papillulato coronata, contextu indistincto fuligineo; sporulae filiformi-subclavulatae, apice obtusiusculae, inferne acutiusculae ( $70-85 \times 1-2 \mu$ ), 7-9-septatae, non constrictae, hyalinae.

*Hab.* Ad folia emortua *Poae Forsteri* in scopulosis prope *Staten island*, Mart. 1882.

418. SEPTORIA MAYTENI Wint.—Pilz. v. C. Horn., n. 11.

*Hab.* Ad folia dejecta putrescentia *Mayteni magellanicae* in sylvis prope *Shammacus*, Maj. 1882.

*Obs.* Specimina mea nonnihil a typo recedunt. Maculae nullae v. totum folium expallescens; perithecia epiphylla saepius densissime aggregata, erumpenti subsuperficialia atra globulosa ( $80-100 \mu$ ) astoma? rugu-

losa coriacea, contextu subopaco grosse parenchymatico; sporulae cylindratae, utrinque rotundato-subtruncatae ( $15-25 \times 2,5-3 \mu$ ), pluriguttulatae, saepe centro 1-septatae, non constrictae, hyalinae, rectae v. leniter curvulae.

419. SEPTORIA? MAYTENICOLA Speg. (n. sp.)

*Diag.* Maculae nullae; perithecia immersa vix prominula, hinc inde densiuscule aggregata, lenticularia ( $150-180 \mu$ ) atra glabra subcarbonacea, contextu indistincto, ostiolo vix papillulato pertusa; sporulae cylindratae, superne rotundatae, inferne acutatae ( $12-14 \times 1-1,5 \mu$ ), continuae rectae hyalinae, sterigmatibus brevissimis papillaeformibus suffultae, paraphysibus filiformibus dense ramulosis obvallatae.

*Hab.* Ad folia dejecta putrescentia *Mayteni magellanicae* in sylvis prope *Shammacus*, Maj. 1882.

420. SEPTORIA PARAPHYSOIDES Speg. (n. sp.)

*Diag.* Maculae nullae sed matrix tota expallens; perithecia sparsa folii- v. cauli-cola lenticularia ( $60-80 \mu$ ) immersa, tenuissime membranacea, contextu dense parenchymatico fuligineo, ostiolo minuto impresso pertusa; sporulae cylindratae, utrinque obtusae ( $35-40 \times 1,5 \mu$ ), flexuosulae, 1-3-septatae, non constrictae, hyalinae, corpusculos obovatos minutos (an ascos immaturos?) obvallantes.

*Hab.* Ad folia cualesque emortua *Stellariae debilis* in herbosis prope *Shammacus*, Maj. 1882.

421. SEPTORIA TRISETI Speg. (n. sp.)

*Diag.* Maculae parvulae sublineares tumidulae dilute cinerascens indeterminatae; perithecia dense aggregata globulosa ( $70-80 \mu$ ) subseriata atra tenui membranacea ostiolato-pertusa, contextu parenchymatico



olivascete; sporulae filiformes utrinque acutiusculae (20-30  $\times$  1-1,3  $\mu$ ), continuae flexuosulae hyalinae.

*Hab.* Ad folia languida *Triseti phleoidis* et *Agrostidis magellanicae* in *Staten island*, Mart. 1882.

422. SEPTORIA WEBSTERI Speg. (n. sp.)

*Diag.* Maculae epiphyllae orbiculares, minutae (1-2<sup>m</sup>) densiuscule aggregatae saepe confluentes determinatae pallide rufescentes; perithecia laxè aggregata immersa lenticularia (70-80  $\mu$ ) tenuissime membranacea, contextu parenchymatico, ostiolo late impresso pertusa; sporulae cylindræae, utrinque acutiuscule rotundatae (25-40  $\times$  2-2,5  $\mu$ ), rectae v. flexuosulae, 1-3-septatae non constrictae, hyalinae.

*Hab.* Ad folia viva v. languida *Senecionis Websteri* in *Port Vancouver* in *Staten island*, Mart. 1882.

423. SEPTORIA? WINTERII Speg. (n. sp.)

*Diag.* Maculae nullae; perithecia laxè sparsa epi- v. rarius hypophylla immersa vix prominula lenticulari-globulosa (200  $\mu$ ) atra glabra coriacella, contextu indistincto, ostiolo vix papillulato perforata; sporulae cylindræae utrinque rotundatae (20-25  $\times$  2-2,5  $\mu$ ) continuae, hyalinae, rectae, sterigmatibus obovatis breviusculis (8-10  $\times$  3-5  $\mu$ ) bisporis suffultae.

*Hab.* Ad folia dejecta *Drymidis Winterii* in sylvis prope *Shammacus* et in *Staten island*, Mart. et Maj. 1882.

*Obs.* Species inter *Phomam* et *Rhabdosporam* nutans. An huc *S. drymidis* Mntgn. in Gay., Fl. Chil. vol. VII, p. 493?

424. SEPTORIA VIOLAE West.—Sacc., Syll. III, p. 518.

*Hab.* Ad folia languida *Violae magellanicae* in herbosis marittimis prope *Port Cook* in *Staten island*, Mart. 1882.

*Obs.* Maculae amphigenae orbiculares (1-4") determinatae pallide fulvescentes centro candidae; perithecia centro laxe pauci-aggregata atra innato-prominula lenticularia (60-80  $\mu$ ) tenuissime membranacea, contextu densiuscule parenchymatico subindistincto fuligineo, ostiolo minuto impresso pertusa; sporulae filiformes, utrinque acutatae (20-40  $\times$  1  $\mu$ ), continuae v. imperspicue septulatae, rectae v. curvulae, hyalinae.

#### LEPTOSTROMACEAE Sacc.

##### 425. LEPTOTHYRIUM FUEGIANUM Speg. (n. sp.)

*Diag.* Perithecia sparsa atra scutato-orbicularia (90-100  $\mu$ ) tenui-membranacea, contextu laxe prosenchymatico-reticulato margine non v. vix denticulato dilute fuligineo, ostiolo latiusculo impresso pertusa; sporulae ellipticae, utrinque late rotundatae (2-3  $\times$  0,8-1  $\mu$ ), continuae, hyalinae.

*Hab.* Ad culmos emortuos *Rostkoviae grandiflorae* in *Fuegia* prope *Chair island*, Maj. 1882.

*Obs.* Statum spermogonicum *Microthyrii fuegiani* Speg. sistit.

##### ERIOTHYRIUM Speg. (n. gen.)

*Diag.* Perithecia minuta scutato-dimidiata matrice adnata ostiolata, subiculo effuso tenuissimo fumagineo cincta; sporulae hyalinae, continuae.

##### 426. ERIOTHYRIUM DUBIOSUM Speg. (n. sp.)

*Diag.* Perithecia sparsa atra minutissima scutato-dimidiata (80  $\mu$ ) tenuissime membranacea, contextu pellucido subprosenchymatico, ostiolo lato (20  $\mu$ ) impresso pertusa, subiculo late effuso nigro-olivaceo submem-

branaceo ex hyphis crebre toruloso-articulatis, articulis subcuboideis ( $3-10 \times 3-4 \mu$ ) grosse 1-guttulatis, efformato cincta; sporulae ellipticae v. ovoideae utrinque obtusiusculae ( $3-4 \times 1 \mu$ ), rectae v. curvulae, hyalinae.

*Hab.* Ad folia viva v. languida *Pernetiae mucronatae* in *Staten island*, Mart. 1882.

427. *ERIOTHYRIUM FUEGIANUM* Speg. (n. sp.)

*Diag.* Perithecia sparsa minuta scutato-dimidiata ( $120-140 \mu$ ) atra subcarbonacea, contextu indistincto vix margine pellucido ac prosenchymatico-radiante atro donata, ostiolo minutissimo perforata, subiculo late effuso submembranaceo atro, ex hyphis continuis rectiusculis densiusculis ramosis intricatis hinc inde hyhopodiis subglobosis v. ovoideis ( $3-5 \mu$ ) ornatis fuligineis composito cincta; sporulae cylindratae utrinque obtuse rotundatae ( $10-11 \times 1,5-2 \mu$ ), granuloso-farctae, continuae, hyalinae.

*Hab.* Ad basin culmorum languentium *Rostkoviae grandiflorae* in *Staten island*, Mart. 1882.

428. *MELASMIA ANTARCTICA* Speg. (n. sp.)

*Diag.* Maculae nullae; perithecia epiphylla innata atra nitentia orbicularia ( $0,8-1,2''$ ), in vivo subhemisphaerico-prominula, in sicco cupulato-collabescentia, sparsa v. rarius 1-2-aggregata coriacea contextu indistincto aterrimo; sporulae cylindratae v. ellipticae, utrinque rotundatae v. truncatae ( $3-4 \times 1 \mu$ ) ac minute 1-guttulatae, hyalinae v. subchlorinae.

*Hab.* Ad folia viva *Fagi antarcticae* var. *sublobatae* in montanis prope *Port Cook* in *Staten island*, Febr. 1882.

*Obs.* An melius *Placosphaeria*?

429. MELASMIA ESCALLONIAE Speg. (n. sp.)

*Diag.* Maculae nullae; perithecia sparsa epiphylla innata atra subnitentia orbicularia minutissima (180-250  $\mu$ ) in vivo prominula, in sicco collabescenti-rugulosa, coriacea, contextu indistincto; sporulae globulosae (4-5  $\mu$ ), granuloso-farctae, hyalinae.

*Hab.* Ad folia dejecta putrescentia *Escalloniae serratae* in sylvis prope *Shammacus*, Maj. 1882.

CYSTOTHYRIUM Speg. (n. sp.)

*Diag.* Perithecia *Melasmiae* Lév. v. *Labrellae* Fr.; sporulae triseptatae, hyalinae.

430. CYSTOTHYRIUM MAGELLANICUM Speg. (n. sp.)

*Diag.* Maculae nullae; perithecia sparsa epiphylla innata atra subnitentia orbicularia minutissima (150-180  $\mu$ ), in vivo prominula, in sicco subcollabescenti-rugulosa membranacea, contextu parenchymatico fusco; sporulae ellipticae, utrinque obtusiusculae (20  $\times$  5  $\mu$ ), rectae v. inaequilaterales, 3-septatae, non constrictae, hyalinae, oculis saepe per aetatem subsecendentibus.

*Hab.* Ad folia languida *Ribis magellanicae* in sylvis prope *Hope harbour* in *Clarence island*, Maj. 1882.

431. CYSTOTHYRIUM SPHAERELLOIDE Speg. (n. sp.)

*Diag.* Maculae nullae v. totum folium expallens; perithecia hypophylla sparsa v. hinc inde 2-4-aggregata innata orbicularia (300-400  $\mu$ ) atra, in vivo convexula, in sicco ruguloso-collabescentia, rimose dehiscentia glabra coriacea, contextu indistincto fuligineo; sporulae elliptico-cylindratae, utrinque obtusiusculae (20-25  $\times$  4  $\mu$ ), rectae v. curvulae, 3-septatae, non constrictae, hyalinae.

*Hab.* Ad folia emortua adhuc pendula *Fagi obliquae* in sylvis prope *Ushuvaia*, Maj. 1882.

EXCIPULACEAE Sacc.

432. *DOTHICHIZA JUNCINA* Speg. (n. sp.)

*Diag.* Maculae nullae; perithecia erumpenti-tuberculosa subdifformia (500-650  $\mu$ ), in vivo prominula, in sicco ruguloso-contractula, atra glabra coriacea, contextu indistincto opaco atro; sporulae densissime conglobatae, elliptico-cylindratae (3-5  $\times$  1  $\mu$ ) utrinque attenuato-rotundatae, curvulae, continuae, hyalinae.

*Hab.* Ad culmos languidos *Junci* cujusdam prope *Punta anegada* in *Freto magellanico*, Jul. 1882.

433. *AMEROSPORIUM INSULARE* Speg. (n. sp.)

*Diag.* Perithecia immersa seriata minuta (150-250  $\mu$ ), primo epidermide tecta clausa, dein erumpenti-aperta margine ciliata, ciliis cylindratae apice acutis basi non incrassatis 1-4-septatis non constrictis (50-100  $\times$  6) fuliginosis rectis v. flexuosis, contextu parenchymatico-olivaceo donata; sporulae cylindratae utrinque attenuato-acutatae (20-26  $\times$  4-5  $\mu$ ) ac curvulae, continuae, hyalinae.

*Hab.* In culmis emortuis *Poae Forsterii* prope *Port Cook* in *Staten island*, Maj. 1882.

MELANCONIEAE Berk.

434. *CORYNEUM OPACUM* Speg. (n. sp.)

*Diag.* Acervuli cortice innati, primo peridermio tecti dein erumpentes, difformes (0,5-2<sup>m</sup>) atrii; sporulae clavatae, apice obtuse rotundatae, basi truncatae (90  $\times$  24  $\mu$ ),

rectae v. curvulae, primo pellucidae ac 3-5-septatae non constrictae, pedicello hyalino minuto mox fatiscente suffultae, dein opace atro-fuligineae.

*Hab.* Ad ramos emortuos *Fagi antarcticae* in sylvis prope *Ushuvaia*, Maj. 1882.

### HYPHOMYCETEA Mart.

435. *CYLINDRIUM FUEGIANUM* Speg. (n. sp.)

*Diag.* Pulvinuli superficiales effusi (2-3<sup>m</sup> diam.) sparsi v. laxe gregarii rarius confluentes compactiusculi aurantiaci v. flavescenti-carnei; conidia cylindracea, utrinque leniter attenuata ac truncata (15-20 × 1,5 μ), catenulata, continua (rarissime medio 1-septata non constricta), granuloso-farcta, hyalina v. subcarnea.

*Hab.* Ad folia dejecta putrescentia *Fagi betuloidis* in *Staten island* et *Fuegia*, aest. et hiem. 1882.

*Obs.* Species *C. flavo-virescenti* Ditm. peraffinis sed satis distincta.

436. *TRINACRIUM MINUS* Speg. (n. sp.)

*Diag.* Hyphae repentes hyalinae gracillimae (2-3 μ crass.) longiusculae parce septulatae ac ramosulae mox mucoso-diffluentes hyalinae; conidia sparsa vage inserta tri-radiata, radiis divaricatis apice attenuato-acutatis (20-25 × 2 μ), dense guttulatis, hyalina.

*Hab.* In *Fumagine pannosa* parasitica ad folia viva *Pernetiae mucronatae* in *Staten island*, Mart. 1882.

*Obs.* A *Tr. subtile* Rees an satis distinctum?

437. *ASPERGILLUS GLAUCUS* Lk. — Spec. I, p. 67.

*Hab.* Ad tubera putrescentia diu servata *Brassicae napi* in *Ushuvaia*, Maj. 1882.

438. *PENICILLIUM GLAUCUM* Lk. — Obs. I, p. 15.  
*Hab.* Ad tubera putrescentia diu servata *Brassicae napi*  
in *Ushuvaia*, Maj. 1882.
439. *BOTRYTIS CINEREA* Pers. — Syn. p. 690.  
*Hab.* Ad tubera putrescentia diu servata *Brassicae napi*  
in *Ushuvaia*, Maj. 1882.
440. *TRICHODERMA VIRIDE* Pers. — Syn. p. 230.  
*Hab.* Ad palos fagineos putrescentes tuguriorum vetustorum incolarum in *Picton island*, Maj. 1882.
441. *TORULA DARWINII* Speg. (n. sp.)  
*Diag.* Acervuli minuti superficiales globuloso-hemisphaerici (250-300  $\mu$ ) atrii compactiusculi dense sparsi; conidia globulosa (10-15  $\mu$ ) grosse 1-guttulata laevia fuliginea, primo conglobata dein singulatim v. 2-3-tim secedentia.  
*Hab.* Ad *Cyttariam Darwinii* putrescentem ac dejectam in sylvis prope *Penguin rookery* in *Staten island*, Febr. 1882.
442. *CONIOTHECIUM ANTARCTICUM* Speg. (n. sp.)  
*Diag.* Acervuli minuti subglobosi (200-400  $\mu$ ) erumpenti-superficiales densiuscule sparsi aterrimi compactiusculi; conidia polymorpha, 1-20-cellularia, cellulis globosis (3-5  $\mu$ ) v. e mutua pressione angulosis saepius grosse 1-guttulatis crassiuscule tunicatis dense papilloso-verrucosis, fusco-atris.  
*Hab.* Ad truncos decorticatos ac induratos *fagorum* in *Staten island*, Mart. 1882.
443. *ARTHRIINIUM USHUVAIENSE* Speg. (n. sp.)  
*Diag.* Acervuli erumpenti-superficiales minuti (400-500  $\mu$ ) atrii compactiusculi; hyphae cylindratae rectiuscu-

lae simplices hyalinae v. fuscidulae graciles (2,5-3  $\mu$ ), septis crassis nigris dense ornatae, articulis subcoarctatis 1-2-papillulato-nodulosis; conidia cymbiformia utrinque attenuata ac obtusa (16-19  $\times$  5-6  $\mu$ ), primo pellucida fuliginea, dein opaca atra.

*Hab.* Ad folia languida v. emortua *Luzulae antarcticae* prope *Ushuvaia*, Maj. 1882.

444. GONIOSPORIUM PUNCTIFORME Speg. (n. sp.)

*Diag.* Maculae pallescentes amphigenae indeterminatae parvulae; acervuli minuti (350-550  $\mu$ ) sparsi atri compactiusculi; hyphae cylindratae fuscidulae (5-6  $\mu$ ), crasse denseque nigroseptatae, mox diffluenti-evanescentes; conidia polymorpha, globulosa hemisphaerica trigona v. subcuboidea (10  $\times$  7-10  $\mu$ ), angulis saepius obtuse apiculatis, primo pellucida fuliginea, dein atra opaca.

*Hab.* Ad folia languida v. emortua *Caricis* cujusdam in uliginosis in *Gabel island*, Jun. 1882.

445. CORDELLA CHAETOMIOIDES Speg. (n. sp.)

*Diag.* Pulvinuli hinc inde sparsi majusculi (1<sup>m</sup>) laxe villosuli olivacei; hyphae steriles erectae flexuosulae longiusculae ac crassiusculae (200-950  $\times$  5-10  $\mu$ ), apice obtusae parce septatae olivaceae; hyphae fertiles sterilibus intermixtae, vix papillulato-prominulae, stratum proligerum tenuissimum submucoso-membranaceum efficientes; conidia globosa (12-15  $\mu$ ), in sicco saepius dimidiato-collabescentia, grosse 1-guttulata, densissime minuteque asperula, subopace fuliginea.

*Hab.* Ad folia *Mayteni* ac graminacearum coacervata ac putrescentia in sylvis prope *Shammacus*, Maj. 1882.

*Obs.* Pulvinuli primo intuitu pro *Chaetomio* quodam facillime sumendi, lente tamen inspecti mox dignoscendi.



446. CLADOSPORIUM HERBARUM Lk.— Obs. II, p. 37.

*Hab.* Ad folia caulesque herbarum putrescentia ubique in *Staten island* et *Fuegia*, aest. et hiem. 1882.

447. HELMINTHOSPORIUM? BOMBYCINUM Speg. (n. sp.)

*Diag.* Pulvinuli late effusi crassiusculi gossypinulo-villosuli superficiales olivacei; hyphae cylindratae (5  $\mu$ ), simplices flexuosulae dense intricatae, hinc inde parce noduloso-geniculatae fuligineae; conidia acro-pleurogena nodulis insidentia, cylindrata v. clavulata, longitudine varia (20-50  $\times$  4-5  $\mu$ ), dense septulata, ad septa non v. constricta, loculis subcuboideis, laevia catenulata atra.

*Hab.* Ad ramulos vivos *Pernetiae mucronatae* in sylvis prope *Agaia* in *Hoste island*, Jun. 1882.

*Obs.* Species habitu ac hypharum fabrica *Helminthosporio* Pers., conidiis autem catenulatis *Dendryphio* Wllr. accedens sed biogena; an huc *Antennaria scoriadea* Berk?

448. HETEROSPORIUM allii E. et M.—Sacc., Syll. IV, p. 480.

*Hab.* Ad folia putrescentia *Sisyrinchii* speciei cujusdam in pratis prope *Wallamatu*, Maj. 1882.

*Obs.* Hyphae erectae coespitulosae parcissime septatae cylindratae, sursum attenuatae noduloso-geniculatae, apice cicatricosae (50-100  $\times$  5-6  $\mu$ ), intense fuligineae; conidia acro-pleurogena non v. subclavulata, utrinque obtusiuscula (20-30  $\times$  7  $\mu$ ) 1-3-septata, ad septa non v. vix constrictula, recta v. curvula, minute denseque granuloso-asperula, pallide roseo-fuliginea.

449. HETEROSPORIUM CERCOSPOROIDE Speg. (n. sp.)

*Diag.* Maculae amphigenae pallide cinerascens indeterminatae sparsae parvulae; hyphae coespitulosae cylindratae rectae v. flexuosulae, apice obtusae (50-80  $\times$  5-6  $\mu$ ), 1-3-septulatae obscure fuligineae; coni-

dia acrogena elliptica crassa (20-25  $\times$  8-10  $\mu$ ), 1-2 septulata, non constricta, crasse tunicata, dense minuteque granuloso-asperula, pallide roseo-fuliginea.

*Hab.* Ad folia languida *Agrostidis magellanicae* in *Staten island*, Febr. 1882.

*Obs.* An satis ab *H. phragmitis* (Op.) Sacc. distinctum?

450. *CERCOSPORA EPILOBII* Sch. — Sacc., Mich. II, p. 642.

*Hab.* Ad folia languida *Epilobii tetragoni* in pratis prope *Ushuvaia*, Maj. 1882.

*Obs.* Conidia cylindraceo-subclavulata (30-70  $\times$  4-5  $\mu$ ) hyalina v. subchlorina laevia.

451. *CERCOSPORA MAGELLANICA* Speg. (n. sp.)

*Diag.* Maculae rufescentes parvulae (1-3<sup>m</sup>) epiphyllae subdeterminatae sparsae; coespituli in maculis laxe gregarii v. hinc inde sparsi minuti olivacei; hyphae cylindraceae erectae, e nodulo parenchymatico minutissimo exsurgentes, rectae v. flexuosulae, apice obtusulae, 1-3-septatae, non constrictae (40-50  $\times$  6  $\mu$ ), pallide olivaceae; conidia acrogena obovata v. pyriformia, utrinque obtusiuscula (15-20  $\times$  5-7  $\mu$ ), pallide fuliginea, laevia, medio 1-septata, non v. vix constricta.

*Hab.* Ad folia languida *Ribis magellanicae* in *Picton island*, Maj. 1882.

452. *CERCOSPORA VIOLAE* Sacc. — Fung. ven. V, p. 187.

*Hab.* Ad folia languida *Violae magellanicae* in *Staten island*, Febr. 1882.

453. *FUMAGO PANNOSA* (Berk.) Speg. — Mntg., in Gay, Fl. Chil. vol. VII, p. 495.

*Hab.* Vulgatissima ad folia, ramos ac truncos *Fagi betuloidis*, *Pernetiae mucronatae*, *Chilotrichi ameloidis* et *Berberis ilicifoliae* in *Staten island* et *Fuegia* tota, aest. et hiem. 1882.

*Obs.* Hyphae torulosae crassae articulis globoso-depressis (5  $\mu$  long.  $\times$  5-12  $\mu$  lat.) atrae fuligineae; perithecia adsunt immixta sterilia sparsa lenticularia (250-300  $\mu$ ), contextu parenchymatico atro, ostiolo lato (25  $\mu$ ) impresso pertusa.

454. *GRAPHIUM?* *FUEGIANUM* Speg. (n. sp.)

*Diag.* Stipites densiuscule gregarii saepe coespitulosi ac basi confluentes, cylindranei (0,5-1,5" alt.  $\times$  50-60  $\mu$  crass.), atrii, basi non v. vix incrassati, apice penicillato-expansi, contextu fibroso-fasciculato fuligineo; hyphae capituli graciles dense septulato-coarctatae flexuosulae ramulosae, apice liberae; conidia cylindranea v. elliptica, utrinque obtusissima (2  $\times$  1  $\mu$ ) ac minute 1-guttulata, hyalina v. subfumosa; an catenulata?

*Hab.* Ad lignum denudatum putrescens *Mayteni magellanicae* prope *Ushuvaia*, Maj. 1882.

455. *TUBERCULARIA* *ANTARCTICA* Speg. (n. sp.)

*Diag.* Sporidochia primo tecta, dein per peridermium erumpenti-exertula, tuberculoso-diformia (0,5-1,5") laevia glabra pallide testaceo-carnea; conidia elliptica utrinque plus minusve rotundata (5-7  $\times$  3-4  $\mu$ ) ac saepe 1-guttulata hyalina.

*Hab.* Ad ramos emortuos *Berberidis ilicifoliae* in *Staten island*, Mart. 1882.

456. *VOLUTELLA* *BOMBYCINA* Speg. (n. sp.)

*Diag.* Sporidochia cupulato-applanata (400-750  $\mu$ ) tenuia submembranacea superficialia late arctique matrice adnata, gossypino-lanuginosa candida, pilis lamellosis involutis longe lineari-spathulatis (50-150  $\times$  5-6  $\mu$ ) apice applanatis irregulariter truncatis v. retusis hyalinis vestita; conidia elliptica v. ovoidea utrinque acutissima (2,5-3  $\times$  1  $\mu$ ) ac minute 1-guttulata, hyalina,

sterigmatibus cylindratis apice acutissimis ( $5 \times 1-1,5 \mu$ ) hyalinis suffulta.

*Hab.* Ad folia emortua *Hierochloae antarcticae* prope *Penguin rookery* in *Staten island*, Febr. 1882.

457. FUSARIUM HETEROSPORIUM Nees. — Nov. Act. n. c. IX, p. 135.

*Hab.* Vulgata ad *Sclerotium clavum* DC. in *Negri fiord* sub *M. Sarmiento*, Maj. 1882.

458. EPICOCCUM NEGLECTUM Dsm. — Ann. Sc. Nat. XVII, p. 95.

*Hab.* Ad folia culmosque putrescentes graminacearum in *Staten island*, Mart. 1882.

#### MYCELIA STERILIA

459. ANTHINA? MUSCIGENA Speg. — Fung. Arg. pug. IV, p. 133.

*Hab.* Vulgatissima ad muscos vivos in truncis ubique in *Staten island* et *Fuegia*, aest. et hiem. 1882.

460. SCLEROTIUM CLAVUS DC. — Fl. fr. VI, p. 115.

*Hab.* Ad ovaria *Phlei*, *Alopecuri*, *Tritici*, *Festuae*, *Hierochloae*, *Airae*, *Triseti* vulgatissimum in *Staten island* et in *Fuegia* tota, aest. et hiem. 1882.

461. RHIZOMORPHA SUBCORTICALIS Pers. — Syn. p. 704.

*Hab.* Ad truncos corticatos emortuos *Fagi* et *Berberidis* in *Staten island* et prope *Ushuvaia*, Mart. et Maj. 1882.

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#### MONITUM.

Adde in Fung. pat. n. 12.

*Hab.* Ad truncos dejectos putrescentes *Berberidis ilicifoliae* in sylvis sub *M. Tarn*, Maj. 1882.







