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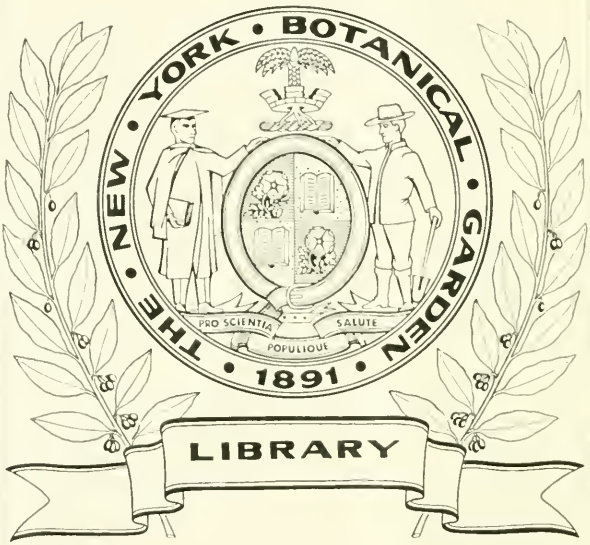
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FUNGI PATAGONICI

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1 = Anal. Soc. Ci. Argent. 16: 242-248, 272-284; 17: 42-48, 69-96, 119-134; 18: 263-286; 19: 34-48, 91-9 241-26[illegible]; 22: 186-224. Nov. 1883 to Nov. 1886.

2 = Anal. Soc. Ci. Argent. 26: [illegible] July and Aug. 1888.

3 = Bol. Acad. Ci. Cordoba 11: 381-422.

4 = Bol. Acad. Ci. Cordoba. 11: 135-306.

5 = Bol. Acad. Ci. Cordoba 11: 5-64.

6 = Anal. Soc. Ci. Arg[illegible]. 24: 120-127. Sept. 1887.

7 = Anal. Soc. Ci. Ar[illegible]. 24: 59-63. Aug. 1887

} U.S. vol 4.

FUNGI PATAGONICI

AUCTORE

CAROLO SPEGAZZINI

HYMENOMYCETEAE Fr.

1. Agaricus (*Lepiota*) bonaerensis Speg. — Fung. Arg. pug. III, n. 1.
   Hab. Vulgatus in herbosis secus *Rio Negro* et prope *Bahia Blanca*, Mart. 1883.

2. ? Agaricus (*Tricholoma*) magellanicus Speg. (n. sp.).
   Diag. Pileus applanatus (7″ diam.), vix marginem versus undulato-incurvulus, sordide fulvescens v. albo-subochraceus, exumbonatus, glaberrimus, laevissimus, non hygrophanus. Lamellae albae, subconfertae, antice acutiusculae, postice rotundato-sinuatae (3″ long. × 8‴ lat.), crassiusculae, acie tenuiores mox denticulato-subrepandae, carne pilei arcte adnatae. Stipes rectus, longiusculus, crassus (7″ long. × 18-20‴ diam.), albus, laevissimus, farctus, saepe compressulus ac subtortus.
   Hab. In campis prope *Gregory bay* in *Freto magellanico*, April. 1882.

Obs. Caro pilei tenuis vix centro bene evoluta, alba, subexsucca, flocculosa, sub sectione dilute fuscescens; illa stipitis fibrosa tenacella, alba; velum nullum; cutis pileo facile separabilis; odor funginus gratus saporque acidulus parum manifestus.

Species notis nonnullis *Cortinario talo* Fr. accedens, sed characteres sporologici deficiunt.

3. Agaricus (*Clitocybe*) tehuelches Speg. (n. sp.).

Diag. Cyathiformis; pileus hemisphaericus v. lenticularis, centro plus minusve umbilicatus (10-15‴ diam.), extrius, testaceus v. testaceo-rubescens, margine integro, obtusulo, repandulo, hygrophanus (?). Lamellae paucae, distantes, crassiusculae, non raro deorsum confluentes, arcuatae, dimacriae, antice obtusiuscule acutatae, postice acutato-decurrentes, albo-ceraceae v. subroseolae, acie integra, crassiuscula, saepius fuscescente donatae. Stipes saepius deorsum attenuatus, lamellis concolor, glaberrimus, laevissimus, vix pruinuloso-radicatus, farctus (10-12‴ long. × 2‴ crass.).

Hab. Ad terram muscosam in *Gregory bay* in *Freto magellanico*, April. 1882.

Obs. Caro stipitis et pilei lamellis arcte adnata, hygrophana, carneola, succosa. Sporae albae.

Species ad Omphalias nonnihil vergens et *Ag. pyxidato* Bull. proxima.

4. Agaricus (*Clitocybe*) patagonicum Speg. (n. sp.).

Diag. Pileus primo hemisphaericus dein explanato-umbilicatus (1-2″ diam.), laevissimus, glaberrimus, margine integer plus minusve undulato-repandus, laxe et vix manifeste striatus (non plicatus), sordide albus v. albescenti-cinerascens, hygrophanus. Lamellae subconfertae, polimacriae, arcuatae (2‴ lat.), antice obtusato-rotundatae, postice attenuato-decurrentes, a sti-

pite facillime secedentes, acie integerrimae, pileo concolores v. pallidiores. Stipes fistulosus, teres vix basi subincrassatulus (15‴ long. × 2-3‴ diam.), laevis, glaberrimus, fibrosulus, pileo concolor, mycelio albo-araneoso v. gossypinulo latiusculo expanso radicatus. Sporae albae.

Hab. In pratis arenosis sub umbra arbuscularum prope *Punta Arenas* in *Freto magellanico*, April 1882.

Obs. Caro pilei tenuis, hygrophana, mollis, lamellis adnata; illa stipitis fibrosa. Sporae hyalinae, globosae (3-3,5 μ diam.) laeves.

Species *Ag. expallenti* Pers. valde affinis.

5. Agaricus (*Clitocybe*) laccatus Scop. — Fr., Hym. Eurp. p. 108, n. 332.

Hab. Ad terram herbosam sub umbra *Salicis humboldtianae* secus *Rio Negro*, Mart. 1883.

Obs. Species valde polymorpha, sine dubio cum illa europea identica; specimina patagonica saepius colore obscuriore et pileo margine repando-sublobato gaudent.

6. Agaricus (*Mycena*) exquisitus Hook. — Fl. Ant., vol. II, p. 447.

Hab. Ad ramos dejectos putrescentes *Chiliotrichi amelloidis* prope *Punta Arenas*, Aug. 1882.

Obs. Basipes; pusillus, fulvus, puberulus, sparsus; pileus primo subhemisphaericus, margine intus subincurvulus, densiuscule pilosus, dein subcampanulato-expansus, (quandoque irregularis), dense puberulus, margine acutiusculus, rectus, integer, fulvo-melleus, centro intensius coloratus; lamellae paucae, distantes, 4 v. 6 longiores, truncato-adnatae, non decurrentes nec sinuatae, pro ratione crassiusculae, acie integrae, cum minoribus plus minusve evolutis alternae, albae v. dilutissime albo-melleae; stipes centralis sub pileo abrupte incur-

vatus, teres, exilis, longitudine latitudinem pilei aequans, eoque concolor v. vix obscurior, in juventute pilosus, dein superne tantum ut pileus puberulus, basi irregulariter innatus, subinsititius, mycelio dilatatulo, araneoso-compactiusculo, albo donatus. Pileus nec hygrophanus nec striatus; sporae ignotae.

7. Agaricus (*Mycena*) capillaris Schum. — Fr., Hym. Eurp. p. 153, n. 519.
Hab. Ad ramulos nec non folia coacervata putrescentia in sylvis prope *Voces bay* sub *Monte Tarn*, Maj. 1882.

8. Agaricus (*Mycena*) purus Prs. — Fr., Hym. Eurp., p. 133, n. 434.
Hab. Ad folia nec non ramenta coacervata putrescentia prope *Patagones*, Aug. 1883.

9. Agaricus (*Pleurotus*) applicatus Batsch. — Fr., Hym. Eurp. p. 180, n. 635.
Hab. Ad ramos emortuos decorticatos *Embotryi coccinei* prope *Cabo Negro* in *Freto magellanico*, Jul. 1882.

10. Agaricus (*Pleurotus*) berberidicolus Speg. (n. sp.).
Diag. Pusillus, gregarius, resupinato-scutellatus, ater, lamellis albis; pileus scutatus, dorso adfixo, plus minusve regularis, saepius postice sinuatus v. fissus, siccus velutinus (sed non pruinulosus), udus glaber, dense viscosus, ater v. atro-brunneus, margine recto, integro, in juventute involuto; lamellae confertiusculae, polimacriae, strictae, crassiusculae, acie integrae, centrum pilei non attingentes.
Hab. Ad truncos decorticatos cariosos *Berberidis ilicifoliae* in sylvis prope *Punta Arenas*, Jul. 1882.
Obs. Praecedenti statura, colore affinis, pileo tamen glabro, lamellis albis confertis recedens. Margo pilei lamellas nonnihil excedens, strictus, etiam inter illas brunneus.

11. Agaricus (*Pleurotus*) gossypinulus Speg. (n. sp.).

Diag. Pusillus, candidus, gregarius, dense gossypino-puberulus; pilei excentrici, subresupinati, dimidiati v. subcupulati, deorsum sinuati, stipite minimo infero donati v. sessiles, superne dense ac delicatissime gossypino-pilosuli, margine acutiusculo, primo regulariter intus subinvoluto dein recto repandulo. Lamellae paucae, strictae, polimacriae, utrinque acutiusculae, plus minusve evolutae, marginales minores, candidae subveniformes, glaberrimae, laevissimae, integrae.

Hab. Ad corticem putrescentem *Fagi obliquae* prope *Punta Arenas*, Jul. 1882.

Obs. Species statura et colore *Ag. chioneo* Pers. cognata.

12. Agaricus (*Pleurotus*) tarnensis Speg. (n. sp.).

Diag. Solitarius; pileus lobato-subdimidiatus, profunde umbilicato-cyathiformis (4-4,5″ diam.) sordide fusco-carneus, laevissimus, glaberrimus (vix sub iove pluvio viscidulus), margine acutus, curvulus, repandulus, plus minusve perspicue striatus (an sulcatus?), pulchre hygrophanus. Lamellae latiusculae, crassiusculae, ceraceae, polimacriae, saepe basi subconfluentes, antice obtusato-rotundatae, postice attenuato-acutatae, adnato-decurrentes, in juventute subcarneo-pruinulosae, in senectute dilute vinoso-maculatae. Stipes (2,5″ long. × 1″ crass.) irregulariter compressus, late fistulosus, sordide albus v. albo–subcarneus, basi irregulariter adfixus, arrhizus, glaberrimus, laevissimus. Sporae cylindraceo-ellipticae, utrinque obtuse rotundatae (6-6,5 × 2,5-3 μ), inferne excentrice apiculatae, hyalinae.

13. Agaricus (*Claudopus*) variabilis Pers. — Fr., Hym. Eurp. p. 213, n. 781.

Hab. Ad truncos putrescentes dejectos *Fagi antar–*

cticae in sylvis prope *Voces bay* sub *Monte Tarn*, Maj. 1882.

Obs. Pileus videtur e duobus dimidiatis, oppositis basi confluentibus fere efformatus; caro pilei stipitisque cum hymenio confluens, primo alba dein pileo concolor.

Hab. Ad ramos dejectos putrescentes *Mayteni magellanici* in sylvis prope *Voces bay*, Maj. 1882.

14. Agaricus (*Pholiota*) subflammans Speg. (n. sp.).

Diag. Fulvo-cinnamomeus; pileus hemisphaerico-explanatus (2-3″ diam.) margine acutiusculo primo recto dein nonnihil revoluto, hygrophanus (?), minute (sed non semper) squamulosus, pulchre ochraceo-v. cinnamomeo-fulvus. Lamellae membranaceae, subconfertae, polimacriae, pileo vix pallidiores, in senectute subcarneo-ochraceae, antice acutato-rotundatae, postice attenuatae, adnato-decurrentes, acie integerrimae. Stipes fistulosus teres (3-3,5″ long. × 3‴ diam.), centralis, inferne incurvus, sordide ochraceo-carneus v. fulvus, ad tertium superum laevissimus, glaberrimus, ad tertium inferum subanulatim squamulosus (an veli vestigia?), squamulis majusculis saepius deorsum albicantibus, basi incrassatulo-rotundatus, mycelio albo, hispidulo, muscis lignoque putrido adnato. Sporae ellipticae, utrinque obtuse rotundatae v. subtruncatae (4-5 × 2-2,5 μ), laevissimae, ferrugineae.

Hab. Ad truncos dejectos putrescentes *Berberidis ilicifoliae* in *Voces bay*, Maj. 1882.

Obs. Caro pilei lamellis stipiteque arcte adnata, pileo concolor, subhygrophana. Haec species *Ag. flammanti* Fr. valde affinis, sed rite distincta; an melius *Flammulis* adscribenda?.

15. Agaricus (*Flammula*) Frowardii Speg. (n. sp.).

Diag. Solitarius, flavo- v. rosco-virescens, majusculus;

pileus applanato-expansus (6-7″ diam.), centro non v. vix umbonatulus, umbone nonnihil umbilicatulo, margine integro undulato, non v. vix revoluto, hygrophanus, centro rufescenti-fulvus, caeterum fulvo–v. melleo–virescens. Stipes teres, longus (10-12″ long. × 6-8‴ crass.), laevissimus, glaberrimus, latissime fistulosus, fibrosulo-fragilis, fulvo-v. melleo-flavicans, submicans, rectus. Lamellae confertae, tenues, membranaceae, polimacriae, strictiusculae (3‴ lat.), utrinque acutatae, adnato-subdecurrentes, pallide lutescenti-v. fulvescenti-virescentes. Sporae subgloboso-ellipticae v. ovatae, inferne apiculatae (5-6 × 4 μ), in sicco compressae, pallide ferrugineae.

Hab. Ad terram inter folia coacervata in sylvis prope *Voces bay*, Maj. 1882.

Obs. Species pulcherrima. Stipes quandoque inferne squamulis fuscescentibus laxe vestitus; lamellae breviores postice longe attenuato-adscendentes, longiores truncato-adnatae saepe denticulo subdecurrente donatae. Caro pilei tenuis cum stipite et hymenio continua, succosa, albo-subflavescens, hygrophana; illa stipitis flavescens, fibrosa. Velum nullum.

16. Agaricus (*Naucoria*) melinoides Fr. — Hym. Eurp., p. 257, n. 962.

Hab. Vulgatus ad terram in pratis marittimis prope *Cabo Possession* in *Freto Magellanico*, April. 1882.

Obs. Pileus hemisphaerico-rotundatus (15‴ diam.) non v. vix obtusissime subumbonatus, margine latiuscule inflexo, regulari v. plus minusve repando-undulato, pulchre testaceo-v. castaneo-fulvescens, centro obscurior, glaberrimus, laevissimus v. saepe minute papillulosus. Lamellae latiusculae, albo-virescentes, di-tri-macriae, plus minusve confertae, antice obtuse rotundatae, postice truncato-adnatae. Stipes rigidulus, teres, curtus

(2″ long. × 3‴ crass.) basin versus saepius attenuatus, tenacellus, fibrosulus, laevis v. vix lenissime longitudinaliter striatus (in juventute saepe dense grosseque luteo-papillosus), tenuiter fistulosus, obscuriuscule rufescens vix superne pallidior ac sublutescens, basi nodulosus intense ochraceus et vix myceliferus. Caro pilei subexsucca, compacta, alba v. dilute lutescens v. virescens ; illa stipitis fibrosa, fulva v. dilute subochracea, lamellis arcte adnata.

Species saepius dense gregaria v. melius 3-5-coespitosa, parvula, pulchella, odore et sapore nullis. Sporae ellipticae, utrinque obtuse rotundatae (6-7 × 3 μ), laeves, ferrugineae.

Specimina sparsa duplo majora pileo irregulari saepe etiam inveni, sed nullo modo a praecedenti separanda.

Ut e descriptione constat, species nonnihil a typo friesiano recedit ; an varietas ?.

17. Agaricus (*Naucoria*) gregorianus Speg. (n. sp.).

Diag. Parvulus, solitarius, 3-5-coespitosus ; pileus hemisphaericus (10-15‴ diam.), ochraceus v. testaceus v. rubescenti-fuscus, glaberrimus, laevissimus, margine integro ; lamellae utrinque rotundatae, antice obtusiusculae, postice adnatae, 3-macriae, ochraceae, pileo vix pallidiores ; stipes teres, tenuis (2″ long. × 2‴ crass.), non v. vix deorsum attenuatus, glaberrimus, laevissimus, tenacello-fibrosulus, basi parce myceliferoradicatus, minute fistulosus, pileo concolor.

Hab. Ad muscos inter gramina in *Gregory bay*, Apr. 1886.

Obs. Caro pilei tenuis vix centro evoluta, pauca, pallide fulva, cum stipite hymenioque continua.

Hujus speciei commixtae varietates (an species ?) duo occurrunt :

1ª Pileo pallidiore in senectute saepius explanato ac re-

voluto, decolorato, hygrophano, margine densiuscule fusco-striato.

II[a] Pileo obscuriore, vix hygrophano, margine extrio.

18. Agaricus (*Galera*) tener Schaeff. — Fr., Hym. Eurp., p. 267, n. 1003.

Hab. Abunde in herbosis umbrosis secus *Rio Negro* prope *Patagones*, Sept. 1883.

19. Agaricus (*Crepidotus*) brunswickianus Speg. (n. sp.).

Diag. Pileus dimidiatus (3″ lat. maj. × 1,5″ lat. min.), antice rotundatus, postice subreniformis v. cuneatus, in stipite brevissimo, albo, dense irregulariterque papillato-tomentosulo, crassiusculo productus, margine integro, incurvo donatus, glaber, laevissimus, pallide melleus v. fulvo-lutescens, sub iove pluvio hygrophanus; lamellae pileo concolores confertiusculae, polimacriae, antice rotundato-acutatae, postice attenuato-decurrentes, non confluentes, acie integerrimae. Sporae globoso-ovoideae v. ellipticae (5-6 × 3-4 μ), inferne apiculatae, dense minuteque asperulae, grosse 1-guttulatae, ferrugineae.

Hab. Ad ramos dejectos *Fagi antarcticae* in sylvis prope *Voces bay*, Maj. 1882.

Obs. Caro pilei subtenuis, flocculosa, alba, hymeniophoro concreta; mycelio albo, hispidulo, parum evoluto. Species pulchella *Ag. calolepidi* Fr. peraffinis, sed certe distincta.

20. Agaricus (*Psalliota*) campestris L. — Fr., Hym. Eurp. p. 279, n. 1052.

Hab. Vulgatus per tota Patagonia prope *Bahia Blanca*, *Rio Negro*, *Chubut*, *Santa Cruz*, et *Gregory bay*, per ann. 1882-83.

21. Agaricus (*Stropharia*) stercorarius Fr.—Hym. Eurp. p. 287, n. 1079.

Hab. In fimo equino nec non vaccino in *Santa Cruz* et *Gregory bay*, ann. 1882.

22. Agaricus (*Hypholoma*) appendiculatus Bull. — Fr., Hym. Eurp. p. 296, n. 1115.
Hab. Ad basin truncorum in sylvis prope *Punta Arenas*, April. 1882.

23. Agaricus (*Paneolus*) separatus L. — Fr., Hym. Eurp. p. 310, n. 1175.
Hab. In fimo vaccino in pratis uliginosis prope *Patagones* et *Santa Cruz*, per ann. 1882-83.

24. Agaricus (*Paneolus*) papilionaceus Fr. — Hym. Eurp. p. 311, n. 1183.
Hab. In stercore equino in *Santa Cruz* et in vaccino prope *Punta Arenas*, Aest. et autm. 1882.

25. Agaricus (*Paneolus*) uliginicolus Speg. (n. sp.).
Diag. Pileus primo hemisphaerico-subglobosus, margine stipitem versus incurvus, dein subcampanulatus v. hemisphaerico-expansus, non umbonatus, laevissimus, glaberrimus, griseo-testaceus v. sordide fusco-fulvescens, magnitudine ludens, non hygrophanus, nec viscosus; lamellae latae, primo profunde sinuatae, dein adnato-sinuatae, confertiusculae, crassiusculae, 2-3-macriae, antice obtuse rotundatae, postice truncato-adnatae, acie obtusae, pallescentes, integrae, fuligineo-atrae, non perlatae; stipes fistulosus, fibrosus, teres, deorsum saepius attenuatus, laevis v. longitudinaliter striatus, albo-griseus, pruinula granulosa alba densiuscula obtectus.
Hab. Vulgatissimus in campis uliginosis prope *Gregory bay*, April. 1882.
Obs. Mycelium vix evolutum, gossypino-album, nodulosum; caro pilei tenuissima stipite lamellisque adnata;

velum nullum ; statura praecedentis v. minor.

Species inter *Ag. campanulatum* L. et *Ag. papilionaceum* Fr. statura ac caeteris characteribus vere intermedia.

26. Coprinus ovatus Fr.— Hym. Eurp. p. 320, n. 1.
Hab. Ad latera viarum prope *Bahia Blanca*, Aug. 1883.

27. Coprinus fimetarius Fr. — Hym. eurp. p. 324, n. 18.
Hab. Ad fimum vaccinum nec non equinum in campis prope *Punta Arenas*, *Santa Cruz* et *Patagones* per ann. 1882-83.

28. Coprinus Hendersonii Berk.— Fr., Hym. Eurp. p. 329, n. 36.
Hab. In fimo vaccino in sylvis prope *Punta Arenas*, Jul. 1882.

29. Coprinus plicatilis Fr.— Hym. Eurp. p. 331, n. 50.
Hab. Ad ripas *Rio Negro* sub umbra ad terram stillicidiosam detritis linteis inmixta, Sept. 1883.

30. Coprinus perpusillus Speg.— Fung. Arg. pug. II, p. 6, n. 11.
Hab. In fimo vaccino in pratis uliginosis prope *Santa Cruz*, Jan. 1882.

31. Cortinarius (*Phlegmacium*) magellanicus Speg. (n. sp.).
Diag. Solitarius (5-7″ alt.), totus intense violaceo-coeruleus. Pileus plus minusve sordide violaceus, hemisphaericus (2-2,5″ diam.), centro obtusatus ac fuscescenti-pallescens, laevissimus, sub iove pluvio muco vestitus, margine acuto vix lamellas excedente, subinflexo, subcrenulato donatus, subhygrophanus ; lamellae latae, subconfertae, antice acutatae, deorsum

latiuscule rotundatae, adnato-sinuatae, primo albae, dein cinnamomeae, acie integrae, trimacriae, crassiusculae, rigidulae; stipes elongatus (4-5″ alt. × 5‴ crass.), plus minusve rectus, teres, basi sensim incrassatus ac mycelio fibroso dense intricato insidenti-radicatus, late fistulosus, basi excepta, ad partem superam sub pileo, anulo membranaceo, longitudinaliter plicatulo, brevi donatus, e violaceo coerulescens hinc inde pallescens, inferne pallidissimus v. sordidus. Sporae ellipticae (9-10 × 5 μ) utrinque plus minusve rotundatae, inferne inaequilateraliter apiculatae, grosse 1-guttulatae non v. vix minute denseque asperulo-granulosae, ferrugineae.

Hab. Ad terram inter folia ac ramenta dejecta putrescentia in sylvis *Voces bay*, Maj. 1882.

Obs. Velum araneoso-fibrosum, muco pilei defluente saepius indutum, cinnamomeum, mox evanescens. Caro pilei succosa, subviolacea, tenuis, hymeniophoro adnata; illa stipitis a lamellis discreta, fibrosa, concolor.

32. Cortinarius (*Myxacium*) tarnensis Speg. (n. sp.).

Diag. Solitarius (5-6″ alt.), totus albus. Pileus hemisphaerico-expansus, hinc inde varie depressus v. subrepandus (3-3,5″ diam.), centro non v. vix fuscescens, glaberrimus, laevissimus, sub iove pluvio muco obtectus, margine semel involutus, crassiusculus, integer, albus; lamellae pro pilei ratione parvulae, antice acutatae deorsum rotundato-angulatae, primo albae, dein pallide cinnamomeae, sinuatae, a stipite discretae, cum pilei carne continuae, acie integrae, 2-3-macriae. Stipes (3-3,5″ alt. × 2-2,5″ crass.) pro ratione curtus, crassus, farctus basi subbulbosus, extus albus laevissimus, glaberrimus, bulbo sub iove pluvio viscoso. Sporae ellipticae v. ovoideae, grosse 1-guttulatae (11-13,5 × 5,5-7 μ), dense ruguloso-papillulosae, ferrugineae.

Hab. Ad folia dejecta putrescentia *Fagi antarcticae* in sylvis *Voces bay*, Maj. 1882.

Obs. Velum araneoso-fibrosum, cinnamomeum, mox evanidum. Caro pilei succosa, cum lamellis continua, alba, per aetatem fuscescens, mox larvis comedita; illa stipitis lamellis discreta, subfibrosa. Pileus madidus striis radiantibus intense violaceis, densis, longiusculis notatus.

33. Cortinarius (*Myxacium*) Darwinii Speg. (n. sp.).

Diag. Solitarius, majusculus (7-8″ alt.), albus; pileus applanato-expansus (5″ diam.), plus minusve undulatus, quandoque subumbonatus, quandoque subumbilicatus, margine curvulus, acutus, lamellas nonnihil excedens, integer repandusve, laevissimus, glaberrimus, sub iove pluvio viscoso ac sordide ex albo argenteus, sericeo-nitens; lamellae polimacriae, antice acutae, deorsum adnato-sinuatae, a stipite facile secedentes, dilute fulvo-ochraceae, confertiusculae, membranaceae, acie integerrimae. Stipes pileo concolor, farctus teres (7″ alt. × 1,5″ crass.), crassiusculus, basi incrassatulus, obtusatus ac plicato-radicatus, laevissimus, vix ad partem dimidiam inferam striis fuscescenti-cinnamomeis, raris, irregulariter reticulato-notatus. Sporae ellipticae v. ovoideae, utrinque acutiuscule rotundatae (8-9 × 4-4,5 μ), grosse 1-guttulatae, minute denseque granuloso-asperulae, ferrugineae.

Hab. Ad folia dejecta putrescentia *Fagi antarcticae* in sylvis prope *Voces bay*, Maj. 1882.

Obs. Caro stipitis pileique alba, succosa, subspongiosa, inodora.

34. Cortinarius (*Dermocybe*) hookerii, Speg. (n. sp.).

Diag. Solitarius v. laxissime gregarius (7″ alt.), lutescenti-cinnamomeus. Pileus primo subglobosus, mar-

gine intus vergens, dein hemisphaerico-expansus (2,5″ diam.), margine acutiusculus, vix lamellas excedens, integer v. repandulus, glaberrimus, laevissimus (sub iove pluvio viscidulus), ochraceus, fulvus v. melleo-cervinus; lamellae polimacriae, latiusculae, acie integerrimae, antice acutatae, postice truncatae (primo adnato-subdecurrentes), adnato-sinuatae. Stipes teres elongatus (5-6″ long. × 4-5‴ lat.), rectus v. subflexuosus, sordide albo-lutescens, glaber, laevis, tenui fistulosus, rigidulus, basi non v. vix incrassatus, mycelio parco albo, gossypino subvestito-radicatus. Sporae ellipticae, sursum rotundatae deorsum acutatae, grosse 1-guttulatae (8-9,5 × 4-5 μ) obscure ferrugineae.

Hab. Ad truncos putrescentes humo infossos in sylvis *Voces bay,* Maj. 1882.

Obs. Velum arancosum, cinnamomeum, margine pilei et parte media stipitis adfixus tantum in prima aetate praesens, mox evanidum. Caro sordide alba, compactiuscula, illa pilei hymeniophoro continua, illa stipitis discreta.

35. Schizophyllum commune Grev. — Fr., Hym. Eurp. p. 492.

Hab. Ad palos fabrefactos diu intemperiis expositos prope *Bahia Blanca* et in *Puerto Deseado,* per ann. 1882-83.

36. Marasmius (*Mycena*) sphaerodermus Speg. — Fung. Arg. pug. I, n. 10.

Hab. Ad folia dejecta putrescentia *Berberidis heterophyllae* sub dumetis, *Gregory bay,* Apr. et Jun. 1882.

Obs. Specimina patagonica saepius pileus orbata v. obliterata, attamen omnibus characteribus cum forma bonaërensi identica videtur.

37. Polyporus australis Fr. — Hym. Eurp. p. 556, n. 124.
Hab. Ad truncos *Fagi obliquae* in sylvis prope *Punta Arenas* et *Nahuel-huapi*, per ann. 1882-83.

38. Polyporus igniarius Fr. — Hym. Eurp. p. 559, n. 132.
Hab. Ad truncos vetustos *Pyri mali* in sylvis secus *Rio Limay*, Sept. 1884.
Obs. Specimen valde mancum sed cum typo europaeo plane congruens.

39. Polyporus gilvus Schwn.—Fr., Epicr. Syst. Myc. p. 455, n. 111.
Hab. Vulgatus ad truncos salicinos vetustos secus *Rio Negro*, Aug. 1883.

40. Polyporus salicinus Fr. — Hym. Eurp. p. 560, n. 138.
Hab. Ad truncos salicinos cum praecedente sed rarius, secus *Rio Negro*, Aug. 1883.

41. Polyporus pulcher Speg. — Fung. Arg. pug. III, n. 13.
Hab. In trunco *Eucalypti globuli* vetusto ac subputrescente in campis prope *Bahia Blanca*, Aug. 1886.

42. Polyporus sanguineus L. — Fr., Epicr. Syst. Myc. p. 444, n. 64.
Hab. Vulgatus ad truncos salicinos dejectos putrescentes prope *Patagones* et *Bahia Blanca*, Sept. 1883.
Obs. Specimina patagonica omnia sessilia nec non saepissime (in juventute praecipue) effuso-reflexa !

43. Polyporus adustus Willd. — Fr., Hym. Eurp. p. 549, n. 98.
Hab. Vulgatissimus ad truncos salicinos cariosos secus *Rio Negro*, Aug. 1883.

44. Polyporus versicolor L. — Fr., Hym. eurp. p. 568, n. 172.

Hab. Vulgatus ad truncos putrescentes v. emortuos prope *Punta Arenas* et *Patagones*, per ann. 1882-83.

45. Polyporus vaporarius P. — Fr., Hym. Eurp. p. 579, n. 221.

Hab. Ad trabem fabrefactam putrescentem in sylvis prope *Punta Arenas*, Apr. 1882.

46. Fistulina antarctica Speg. (n. sp.).

Diag. Pileus dimidiato-unguiculatus, antice margine crasse rotundatus, repandus v. difformis, postice subcordatus v. subcuneatus, sessilis v. stipite crasso tuberculoso-amorfo plus minusve evoluto donatus, magnitudine summopere ludens (3-50″ diam.), superne convexus, laevis, udus submucosus, siccus subvernicosus ac nitens, hinc inde squamulis minutis fimbriatulis inspersus, e fulvo-v. nigro-sanguineus, inferne applanato-undulatus, saepius irregulariter subrimoso-diffractus ; tubuli inferi elongati (3-6‴ long.), dense constipati, a pileo facile secedentes, liberi, sordide v. pallide sanguinei, tactu nigrescentes, gracillimi, ore irregulari, sublacero concolore donati. Caro compacto-mollis, succosa, tenax, in senectute subspongiosa, pileo pallidior v. subfulvescens, fibris crassis obscurioribus v. pallidioribus, ramoso-anastomosantibus dense percursa. Sporae globoso-ovoideae v. subellipticae (5-7 × 3-4 μ), inferne inaequilateraliter apiculatae, granuloso-farctae e hyalino pallidissime rubiginosae.

Hab. Ad truncos *Fagi antarcticae* vulgatissima prope *Punta Arenas* et in sylvis totius *Patagoniae* australioris, per ann. 1882-84.

Obs. Pileus quandoque glaberrimus, quandoque squamulis densis (ad marginem praecipue) vestitus. Basidia obovato-clavata, apice obtusissime rotundata (15 × 5-6 μ) 3-4-sterigmatophora, fusco-rubiginosa.

Aborigeni *Aonikenken* (vulgo *tehuelches*) illam, etsi sat tenacem, crudam comedunt et *Carróo-shâne* vocant.

47. Irpex lacteus Fr. — Hym. Eurp. p. 621, n. 7.
Hab. Ad truncos nec non ramulos subdecorticatos *Fagorum* prope *Punta Arenas*, Jun. 1882.

48. Stereum hirsutum Fr. — Hym. Eurp. pag. 639, n. 6.
Hab. Ad dolia vetusta plantarum in cavaediis *Bahia Blanca*, Sept. 1883.

49. Stereum rugosum Fr. — Hym. Eurp. pag. 643, n. 23.
Hab. Ad truncos *salicinos?* fluitatos in *Rio Negro*, Aug. 1883.

50. Corticium lacteum Fr. — Hym. eurp. pag. 649, n. 11.
Hab. Ad ramos dejectos putrescentes *Fagi antarcticae* prope *Punta Arenas*, Apr. 1882.

51. Corticium calceum Fr. — Hym. Eurp. pag. 652, n. 25.
Hab. Ad palos *populinos?* vetustos *Vites* sustinentes prope *Bahia Blanca*, Sept. 1883.

52. Corticium rosellum Speg. — Fung. Arg. pug. III, n. 25.
Hab. Ad truncos emortuos *Persicae vulgaris* prope *Bahia Blanca*, Aug. 1886.

53. Clavaria (*Ramaria*) patagonica Speg. (n. sp.).
Diag. Solitaria, circumscriptione subglobosa (5″ alt. × 5″ diam.), leucospora, tenaciuscula; truncus crassus (15-20‴ alt. × 5-6‴ crass.), albus, irregularis, ramis dense fasciculatis, saepius basi confluentibus, rectis v. flexuosis, crassiusculis, longitudinaliter striatis ac canaliculatis, ex aurantio ochraceis, apice densiuscule ramuloso-botryosis, ramulis brevissime ramululosis, apice truncato-lobulatis, obscurioribus.

Hab. Ad terram inter radices *Senecionis* speciei in collinis aridis prope *Gregory bay*, Apr. 1882.

Obs. Species *Clavariae flavae* Schaeff. affinis, sed mox distinguenda.

54. Calocera cornea Batsch. — Fr., Hym. Eurp. pag. 680, n. 6.

Hab. Ad truncos emarcidos cariosos *Fagi antarcticae* in *Cabo Negro*, Jun. 1882.

55. Tremella lutescens Pers. — Fr., Hym. Eurp. p. 690, n. 5.

Hab. Ad ramos fagineos dejectos putrescentes prope *Punta Arenas*, Apr. 1882.

56. Hirneola polytricha Mntg. — Fr., Fung. Natal. pag. 26, n. 5.

Hab. Ad truncos salicinos cariosos secus in *Rio Negro*, Aug. 1886.

57. Hirneola antarctica Speg. (n. sp.).

Diag. Cupulae brunneae hemisphaericae v. vix irregulares (2-5″ diam.), crassiusculae (0,5-2‴ crass.), laxe gregariae sessiles, extus dense venoso-plicatae, ad basin praecipue minute laxeque pruinuloso-furfuraceae, margine integerrimo, obtusiusculo, rotundato, intus glabrae, laevissimae, vix hinc inde undulatae v. subbullosae. Sporae non visae.

Hab. Ad ramos emortuos *Fagi antarcticae* nec non in truncis *Berberidis ilicifoliae* in sylvis prope *Voces bay*, Maj. 1882.

Obs. Cupulae aqua immersae mox revivescentes, extus pallide murino-olivaceae, pellucidae, intus fusco-griseae.

Species *H. corneae* Fr. peraffinis sed satis distincta.

58. Hirneola vitellina Lév. — Fr., Fung. Natal. pag. 27, n. 13.
Hab. Vulgatissima ad ramos languidos v. emortuos *Fagi antarcticae* prope *Punta Arenas*, Jul. 1882.

59. Exobasidium antarcticum Speg. (n. sp.).
Diag. Folii-ramululicolum; folia v. ramuli infecta hypertrophica, longiora, crassiora, atque saepius bullosa, e violaceo-rosea v. rubra, saepe areola plus minusve evoluta flavescente donata, inferne prolifera, albo-farinulosa; sporae minutae cylindraceae v. allantoideae, utrinque plus minusve rotundatae (2-4 × 1 μ), hyalinae.
Hab. Vulgatissimus ad folia viva *Lebetanthi americani* in sylvis e *Cabo Negro* usque ad *Voces bay*, Apr., Maj. et Jun. 1882.

GASTEROMYCETEAE (Fr.) DBy.

60. Sphaerobolus stellatus Fode. — Fr., Syst. Myc. vol. II, p. 309.
Hab. Ad tigillum putrescentem sub dumetis prope *Punta Arenas*, April. 1882.

61. Mycenastrum chilense Mntgn. — Speg., Fung. Arg. pug. IV, n. 242.
Hab. Vulgatissimus in planitie totius *Patagoniae* nordicae, Jun et Jul., per ann. 1883-86.

62. Tulostoma Berteroanum Lév. — Ann. Sc. nat., ser. III, vol. V, p. 166.
Hab. Ad terram sabulosam sub umbra dumetorum insulae *Pavon* in Rio S. Cruz, Jan. 1882.
Obs. Peridia subglobosa (10-15‴ diam.), glabra, membranaceo-coriacella, griseo-v. fulvo-albescentia, ostiolo

fimbriato-penicillato donata, inferne corticis exterioris fragmentis subcupulato-vestita; stipes plus minusve elongatus, squarruloso-squamosus, peridio concolor; gleba fulvo-cinnamomea; sporae globosae v. e mutua pressione angulosae (4 μ diam.), episporio laxissime ac parum perspicue papilluloso.

63. Tulostoma patagonicum Speg. (n. sp.).

Diag. Peridium e globoso hemisphaericum (7-10‴ diam. × 5-8‴ alt.), cartilagineo-membranaceum subfragile, glabrum, laeve, centro rotundatum ac ostiolo latiusculo (1-1,5‴ diam.), rotundo, marginato, integro, prominulo donatum, sordide album, inferne applanatum et ad stipitis confluentiam profunde umbilicatum, fragmentis corticis exterioris arena implexi cupulato-vestitum; stipes teres (5-15‴ long. × 2-2,5‴ crass.), fistulosus, pileo concolor, compressulus ac subtortus, per aetatem fragilis, longitudinaliter fibroso-rugulosus, terra ad medium et ultra infossus; gleba e violascenti v. rubescenti grisea, columella destituta, peridio ubique adnata, e floccis tenuissimis, septulatis, ramulosis, laxissime minuteque asperulis composita; sporae globosae (4-5 μ diam.), laxe grosseque rugoso-papillulatae, majuscule 1-guttulatae, pallide fulvae.

Hab. Ad dunas marittimas insulae *Leones de mar* in Rio S. Cruz, Jan. 1882.

64. Arachnion album Schw. — Speg., Fung. Arg. pug. IV, n. 245.

Hab. Vulgatus ad terram arenosam graminosam prope *Monte Hermoso*, Sept. 1883.

65. Lycoperdon lilacinum (Mntgn. et Brk.) Speg. — Fung. Arg. pug. IV, n. 254.

Hab. Vulgatus secus *Rio Negro* nec non circa *Bahia Blanca*, Aug. 1883-86.

66. Bovista uruguayensis Speg. — Fung. Arg. pug. IV, n. 251.

Hab. Ad terram arenosam sub umbra dumetorum in insula *Pavon* fluminis *Rio S. Cruz,* Jan. 1882.

Obs. Sporae laeves, non v. minutissime papillulato-appendiculatae.

67. Bovista cervina Berk.

Hab. Ad terram graminosam in collinis prope *Punta Arenas,* April. 1882.

Obs. Species praecedenti simillima et facillime una pro altera primo visu sumenda ; differt tamen sporis globosis (4-5 μ diam.), minute denseque asperulis ac appendice caudali nonnihil majore, nec non caeteris characteribus externis. Ambae tamen *Bovistae plumbeae* Prs. pluribus notis accedentes et saepissime *Tulostomae* cujusdam formam sessilem simulant.

68. Bovista magellanica Speg. (n. sp.).

Diag. Eubovista ; subparvula, subglobosa (1-3″ diam.), superne regulariter convexa, inferne obtuse rotundata, centro non v. vix radiatim rugulosa ; peridium exterius absens; interius autem tenui-membranaceum, papyraceo-subcartilagineum, tenacellum, laevissimum, subnitens, deorsum sordide fusco-nigrescens, sursum albescenti-griseum v. subargenteum, per aetatem centro irregulariter ac modice subostiolato-dehiscens ; gleba gossypino-compactiuscula, mollissima, homogenea, pulvere sporifero inspersa, tabacino-olivascens ; flocci olivaceo-fulvescentes, gracillimi (1-3 μ crass.), simplices, laeves, non v. parcissime septulati ; sporae globosae (3-3,5 μ diam.), grosse 1-guttulatae, episporio crassiusculo laxissime minutissimeque asperulo–papilluloso, cauda praelonga (8-9 × 1 μ) appendiculatae, olivascenti-tabacinae.

Hab. Vulgata in collinis graminosis prope *Punta Arenas*, April. 1882.

69. Bovista arachnioides Speg. (n. sp.).

Diag. Eubovista; parvula, irregulariter globosa (6-12‴ diam.), superne regulariter convexa, inferne subcoarctata grosseque rugoso-plicata centroque subumbilicato-radiculata; peridium exterius absens; interius autem sordide pallideque griseum, laevissimum, non nitens, crassiusculum, tenacellum, coriacellum, apice irregulariter per aetatem lacero-dehiscens; gleba peridio adnata, flocculoso-grumosa, pallidissime fulvella; flocci tenuissimi, hyalini, parce ramulosi non v. laxissime septulati, laeves; sporae globosae (2,5-3 μ), laevissimae, ecaudatae, grosse 1-guttulatae, chlorinulae.

Hab. Ad terram sabulosam sub umbra dumetorum insulae *Pavon* in *Rio Santa Cruz*, Jan. 1882.

Obs. Species primo obtutu facillime pro *Arachnio* quodam sumenda, mox tamen cortice tenace gleba grumosa sed non granulosa dignoscenda.

70. Bovista aspera Lév.

Hab. Vulgata in collinis *Lion rang* vocatis prope *Gregory bay*, Apr. 1882.

Obs. Sporae globosae (3-4,5 μ diam.), laeves, grosse 1-guttulatae, non v. vix minutissime papillato-caudatae, tabacino-olivaceae; gleba compactiuscula, gossypina, e fulvo tabacina.

71. Bovista antarctica Speg. (n. sp.).

Diag. Eubovista; subparvula e turbinato globosa (20-25‴ diam.), superne convexa laevis, inferne turbinata, coarctata, ruguloso-plicata, basi in radice pro ratione longiuscula crassaque (5-15‴ long. × 2-3‴ crass.), dura, e fibris mycelialibus terra inmixtis efformata donata, primo alba, dein griseo-murina, atomata; peridium exterius tenue, album, subcarnosum, mox irregulariter minuteque diffractum ac evanescens; interius papyraceo-cartilagineum, tenue, tenacellum, subrigidulum,

murino-griseum v. subsericeo-nitens, superne laxe subminuteque atomatum, inferne minute denseque papilluloso-asperulum (papillis saepius albicantibus); gleba peridio adnata, olivaceo-tabacina, gossypino-compactiuscula, e floccis tenuibus (2-4 μ crass.), laevibus, concoloribus, subcontinuis composita; sporae globosae (2,5-3,5 μ diam.), grosse 1-guttulatae, episporio minutissime (subimperspicue) granuloso, caudula papillaeformi vix evoluta donatae, olivaceae.

Hab. Vulgatissima in collinis freti magellanici *Cabo Possession*, *Gregory bay*, *Elisabeth island*, *Punta Arenas*, Aug. 1882.

Obs. Species habitu fere *Lycoperdi* cujusdam; *Bovistae asperae* Lév. etiam summopere affinis, a qua recedit statura minore, peridio tenuiore, rigidiore, sporis asperulis, colore glebae. An tantum ejusdem varietas?.

72. Bovista pachydermica Speg. (n. sp.).

Diag. Eubovista; mediocris, globosa v. globoso-depressa (2-4″ diam.), ubique laevis, arrhiza; peridium exterius primo crassiusculum, carnosulum, album, sursum angulose diffractum, dein tenuissime membranaceo-pelliculosum, sordide albescenti-cinerascens, plus minusve laxe squamuloso-atomatum interiore arcte adnatum evadens; peridium interius subcoriaceum, crassiusculum (0,5-1‴ crass.), tenax, subfragile, diu exteriore tectum, superne subostiolatim stellatim-lacerum ac dehiscens, e murino plumbeum frustulatim evanescens; gleba laxissime floccosa, gossypina, peridio adnata, obscure olivacea, pulvere sporifero repleta, floccis olivaceis, continuis, laevissimis, tenuibus (2-3 μ crass.) efformata; sporae globosae (3 μ diam.), grosse 1-guttulatae, dense majusculeque papilluloso-asperae, obscure olivaceo-fuligineae, caudula hyalina vix evoluta auctae.

Hab. In collinis graminosis parcissime prope *Punta Arenas*, Jul. 1882.

Obs. Species, primo visu, pro *Mycenastro chilense* Mntgn. facillime sumenda, sed mox peridio tenuiore, gleba non pulverulenta et caeteris characteribus dignoscenda.

HYPODERMEAE DBy.

73. Ustilago caricis (Prs.) Fuck.

Hab. In ovariis *Caricis* speciei cujusdam prope *Misioneros* ad *Rio S. Cruz*, Jan. 1882.

Obs. A typo nonnihil recedit. Sori globosi (1,5-2‴ diam.) aterrimi, compactiusculi; sporae angulato-rotundatae v. elongatae e latere compressiusculae (μ 13-15 long. × 11-14 lat. × 7-10 crass.), protoplasmate dense granuloso farctae, extus laevissimae, obscure olivaceo-fuligineae.

74. Ustilago segetum (Bull.) Dtm.

Hab. Ad spicas *Polypogonis interrupti* in valleculis uliginosis secus *Rio S. Cruz*, Jan. 1882.

Obs. Sori minuti, atri, compactiusculi; sporae irregulariter angulosae v. subsphaeroideae (5-7 μ diam.), obscure fuligineo-olivaceae, laxe granuloso-farctae extusque minutissime laxeque asperulae! An nova species?.

75. Ustilago pamparum Speg. — Fungi guaran. in obs. ad n. 105.

Hab. Ad spicas *Setariae* cujusdam in pratis secus *Rio Negro*, Aug. 1883.

Obs. Ovaria spicarum tota infecta, hypertrofica, glumis exerta ac duplo longiora, subcylindracea, apice 3 v. 4 laciniato-aperta, involucro membranaceo, crassiusculo, sordide albo v. subroseo donata, intus pulvere aterrimo laxe farcta, ac fibris (columellam fere simulantibus)

instructa; sporae subglobosae (9-11 μ diam.) laeves v. vix granulosae, fuligineo-olivaceae.

76. Ustilago bromivora F. v. W.

Hab. Ad spiculas vivas *Bromorum* prope *Rio S. Cruz* et *Gregory bay*, aest. et aut. 1882.

Obs. Forma patagonica a typo nonnihil recedit sporis intus non v. subimperspicue granulosis (an minutissime muriculatis?), e globoso angulosis (8-12 × 7-8 μ), opace fuligineis.

77. Phragmidium mucronatum (Pers.) Fr. — Sum. Veg. Scand. p. 507.

Hab. Vulgatissimus ad folia *Rosarum* cultarum in *Bahia Blanca*, Jun. 1886.

78. Puccinia argentina Speg. — Fung. Arg. pug. I, n. 32.

Hab. Ad folia viva *Picrosiae longifoliae* secus *Rio Negro*, Sept. 1883.

79. Puccinia Violarum Lk. — Sp. II, pag. 80.

Hab. Ad folia viva *Violae magellanicae* in herbosis *Elizabeth island*, Aug. 1882.

80. Puccinia patagonica Speg. (n. sp.).

Diag. Sori tumiduli, irregulariter rotundato-elongati (1-5‴ long. × 1-2‴ lat. et crass.), caules, folia nec non inflorescentias ambientes, primo epidermide tecti, dein nudi, compacti, duri (fere sclerotiacei), obscure castanei v. fusco-rubiginosi; teleutosporae obovatae v. subclavatae, medio leniter constrictae, apice versiformes (truncatae, rotundatae v. umbonatae), ac crassissime tunicatae, deorsum cuneatae, basique truncatae (28-35 × 12-15 μ) laeves, pallide fulvae, pedicello hyalino, gracili, mediocri (25-35 × 5 μ) suffultae.

Hab. Ad folia caulosque *Collomiae* cujusdam vulgatissima

secus *Rio S. Cruz* et *Rio Gallego*, Jan et Aug. 1882.
Obs. A *P. giliae* Farl. toto coelo diversa!

81. Puccinia malvacearum Bert.
Hab. Ad folia viva *Modiolae geranifoliae* secus *Rio Negro*, Aug. 1883.

82. Puccinia dichondrae Mutgn.
Hab. Ad folia viva *Dichondrae repentis* prope *Bahia Blanca*, Aug. 1886.

83. Puccinia pampeana Speg. — Fung. Arg. pug. II, pag. 14.
Hab. Ad folia nec non caules vivos *Salpichroae rhomboideae* in pratis prope *Bahia Blanca*, Aug. 1886.

84. Puccinia compositarum Schlecht.
Hab. Ad folia viva *Macrorhynci chilensis* in *Gregory bay*, April. 1882.

85. Uromyces cestri Lév.
Hab. Vulgatus ad folia viva *Cestri Parqui* prope *Bahia Blanca*, Aug. 1886.

86. Uromyces guaycurú Speg. — Fung. Arg. pug. IV, n. 69.
Hab. Ad folia viva *Staticis brasiliensis* prope *Misioneros* ad *Rio S. Cruz*, Jan. 1882.

87. Uromyces geranii Otth. u. Wartm.
Hab. Ad folia viva *Geranii patachonici* in herbosis prope *Salinas* secus *Rio S. Cruz*, Jan. 1882.
Obs. Sori hypophylli, densiuscule sparsi, diu tecti, dein nudi, epidermide fissa cincti, obscure cinnamomei, majusculi (0,3-1,5‴ diam.); teleutosporae globosae v. plus minusve regulariter obovatae (30-40 × 25-30 μ), laeves, crassiuscule tunicatae, apice praecipue, pulchre fuligineo-cinnamomeae grosse 1-guttulatae, stipite breviusculo ac crasso (30-35 × 5-7 μ) hyalino, fultae.

88. Uromyces magellanicus Speg. (n. sp.).

Diag. Sori hypophylli, sparsi v. hinc inde irregulariter subgregarii, non v. rarius seriatim dispositi, non v. subelongati, epidermide laciniata v. suboperculatim disrupta diu ornati, pallide fulvescentes, subminuti (0,3-0,5‴ diam.); teleutosporae globosae, ellipticae v. obovatae (25-30 × 18-22 μ), tunica subtenui, vix antice incrassatula, laevi donatae, pallide fulvescentes, grosse 1-guttulatae, pedicello breviusculo? (an diffluente?) suffultae.

Hab. In foliis vivis *Caricis pallidae*? in herbosis prope *Gregory bay*, Apr. 1882.

89. Uromyces patagonicum Speg. (n. sp.).

Diag. Sori minuti (0,3-0,5‴ diam.), densissime gregarii, subconfluentes, hypophyllum totum (nec non alias partes saepe) pulvere obscure cinnamomea obtegentes; teleutosporae subglobosae v. obovatae (30-35 × 25-28 μ) crasse tunicatae, apice praecipue ibique umbone crasso obtuso (saepeque late truncato) non v. vix pallidiore ornatae, 1-guttulatae, fuligineo-cinnamomeae, stipite (mox diffluente?) hyalino breviusculo fultae.

Hab. Ad folia viva *Astragali* speciei cujusdam in herbosis insulae *Pavon* in *Rio S. Cruz*, Jan. 1882.

90. Uromyces symphiostemi Speg. (n. sp.).

Diag. Sori sparsi v. hinc hinde gregarii, lineares, seriatim dispositi, saepeque confluentes, majusculi (1-5‴ long. × 0,5-1‴ lat.), turgiduli, epidermide vix rimose fissa diu tecti, obscure fuliginei; teleutosporae irregulariter e globoso obovatae (22-26 × 18-20 μ), saepe angulosae, cinnamomeae, tunica tenuiuscula apice non v. incrassata, laevi instructae, antice rotundatae v. obtuse acutatae, basi subcollariato-anulatae (an semper?) ac in stipite breviusculo (12-20 × 5 μ) hyalino, productae.

Hab. Ad folia, vaginas nec non scapos *Symphiostemi narcissoidis* in *meseta* secus *Rio S. Cruz*, Jan. 1882.

91. Uromyces armeriae Lév.
Hab. Ad folia viva *Armeriae andinae* in *Voces bay*, Maj. 1882.
Obs. Sori sparsi minuti, parum perspicui, cinnamomei; teleutosporae globosae v. obovatae, saepe angulosae (28-34 × 22-28 μ), laeves, cinnamomeae, tunica apice summopere incrassata (rarius in umbone producta) instructae; stipite subbrevi (30 × 5 μ), fuscidulo.

92. Uredo pamparum Speg. — Fung. Arg. pug. I, n. 51.
Hab. Ad folia viva *Rhyncosiae sennae* prope *Bahia Blanca*, Aug. 1886.

93. Uredo hydrocotyles Mntgn. — Gay, Fl. chil., Bot., vol. VIII, p. 50.
Hab. Ad folia viva *Hydrocotylis* speciei cujusdam ad ripas *Rio Negro*, Sept. 1883.

94. Aecidium Euphorbiae Gml.
Hab. Ad folia viva *Euphorbiae portulacoidis* in valleculis uliginosis secus *Rio S. Cruz*, Jan. 1882.
Obs. Pseudosporangia scutellata hypophylla dense gregaria, matrice pallescenti paululo incrassata insidentia; cellulae pseudoperidii irregulariter polygonae (30 × 20 μ), crasse tunicatae, rugosae, hyalinae; sporae globosae v. angulosae (18-20 μ diam.), subcrassiuscule tunicatae, laeves, e flavescenti hyalinae.

95. Aecidium guaycurú Speg. — Fung. Arg. pug. IV, n. 92.
Hab. Ad folia viva nec non caules *Staticis brasiliensis* prope *Misioneros* secus *Rio S. Cruz*, Jan. 1882.

96. Aecidium magellanicum Berk.? — Gay, Fl. Chil. Bot. vol. VIII, p. 38.

Hab. Ad folia viva *Berberidis heterophyllae* prope *Punta Arenas, Gregory bay* et *Rio Gallego*, hieme 1882.

Obs. Specimina senescentia et tandem valde dubiosa.

97. Aecidium berberidis Gml. — Syst. 1473.

Hab. Ad folia viva *Berberidis ilicifoliae* in sylvis prope *Voces bay*, Maj. 1882.

Obs. Cl. Montagne, loco citato, *Berberidi ilicifoliae* tribuit *Aecidium magellanicum;* ego autem, eum numquam inveni nisi in *Berberide heterophylla.*

98. Aecidium obionis Speg. (n. sp.).

Diag. Folia infecta non v. vix incrassatula, pallescentia; pseudosporangia saepius hypophylla (folia tota saepeque ramulos occupantia), densiuscule gregaria, primo tecta, hemisphaerico-prominula, dein erumpentia, plus minusve exerta (0,5‴ × 0,2‴ diam.) flavescenti-albescentia, ore lacero donata; contextus epithecii cellulis anguloso-polygonis (20-25 μ diam.), crassissime tunicatis, dense rugoso-striatis, pallescentibus compositus; sporae e globoso ovoideae, e mutua pressione saepe angulosae (20-22 × 15-18 μ) pallidissime fulvae, tenuissime tunicatae, granuloso-farctae.

Hab. Ad folia viva *Obionis* species adhuc indeterminatae in *Isla de los liones de mar* in *Rio S. Cruz*, Jan. 1882.

99. Aecidium sclerothecium Speg. (n. sp.).

Diag. Pars infecta, incrassata, pallescenti-flavescens; pseudosporangia laxe gregaria, subepidermica, parce prominula, diu clausa, apice tandem lacero-dehiscentia, coriacea, dura, pallide albo-fulvescentia (0,7-1‴ diam.), pulvere rufescente repleta, contextu grosse celluloso, flavescente, parum perspicuo, subopaco; sporae globosae v. e mutua pressione irregulariter obtuseque angu-

losae (25-30 × 20-25 μ), crassiuscule tunicatae, minutissime densissimeque papilluloso-asperulae, e hyalino fulvescentes, granuloso farctae.

Hab. Ad ramulos junniores vivos *Senecionis patagonici* prope *Puerto Deseado*, Nov. 1884.

Obs. Pseudosporangia dura, facillime integra e matrice extrahenda et ovula elliptica (0,7-1,5‴ long. × 0,5-1‴ diam.) laevia pallescentia mentiunt.

100. Aecidium suaedae Speg. (n. sp.).

Diag. Maculae nullae sed folia infecta parum incrassatulo-decolorata; pseudosporangia hinc inde 3-5-aggregata, primo subglobosa, tecto-prominula, dein erumpentia, longe exerta, cylindracea (0,5-1,5‴ long. × 0,4-0,5‴ diam.), non v. vix rigidula, ore frustulatim lacero donata, pallide flavescentia; cellulae contexti irregulariter polygonae v. subrhomboidae (30-40 × 20-30 μ), crasse tunicatae, dense minuteque verruculosae, subhyalinae; sporae globosae v. e mutua pressione ovoideo-angulosae (15-20 μ diam.), episporio tenui, laevi, protoplasmate granuloso farctae, e hyalino flavescentes.

Hab. Ad folia viva *Suaedae divaricatae* in insula *de los leones de mar* in *Rio Santa Cruz*, Jan. 1882.

101. Aecidium modiolae Thüm. — Pilz. aus Entr. n. 2.

Hab. Ad folia viva *Modiolae geranioidis* in uliginosis prope *Bahia Blanca*, Aug. 1886.

PHYCOMYCETEAE DBy.

102. Pilobolus cristallinus Tode.

Hab. Vulgatus ad fimum equinum nec non vaccinum in uliginosis prope *Rio Santa Cruz* et *Gregory bay*, aest. 1882.

103. Mucor mucedo L.
Hab. Ad fructum *Pyri mali* putrescentem in *Cármen de Patagones*, Sept. 1883.

104. Peronospora alsinearum Casp.
Hab. Vulgata ad folia viva *Cerastii vulgati* prope *Punta Arenas*, Apr. 1882.

105. Peronospora effusa (Grev.) Rabh.
Hab. Ad folia viva *Chenopodii muralis* vulgatissima in *Cármen de Patagones*, Sept. 1883.

106. Peronospora parasitica (Pers.) DBy.
Hab. Vulgata ad folia *Senebierae pinnatifidae* et *Nasturtii bonariensis* in paludibus prope *Bahia Blanca*, vere 1886.

107. Cystopus candidus (Pers.) Lév.
Hab. Ad folia *Capsellae bursae-pastoris* (*Nahuel-huapí*, *Santa Cruz*, *Punta Arenas*) et *Raphanisativi* in hortis *Bahia Blanca*, vulgatissima, aestate 1879, 82, 83, 86.

108. Cystopus bliti (Biv.) DBy.
Hab. In folias *Amaranthi chlorostachydis* et *Euxoli viridis* ad viarum latera, *Bahia Blanca*, Aug. 1883.

109. Cystopus portulacae (DC.) DBy.
Hab. Ad folia viva *Portulacae oleraceae* secus *Rio Negro*, aest. 1879.

110. Cystopus argentinus Speg. (n. sp.).
Diag. Acervuli conidici subsuperficiales, tumiduli, parvuli, elliptici (0,3-1‴ diam.), laxe gregarii v. sparsi, diu epidermide tecti, per aetatem laciniatim cincti, albi,

pulverulenti; conidia catenulata, globosa v. obscure subcuboidea (18-20 μ diam.), tenui tunicata, laevia, hyalina, granuloso-farcta. Oosporae in parenchymate foliorum immersae, globosae (50-65 μ diam.), subopace fuligineae, laevissimae, protoplasmate hyalino granuloso farctae, oogonio hyalino monosporo inclusae.

Hab. Ad folia nec non caules vivos *Spergulariae grandis* in uliginosis prope *Bahia Blanca,* Aug. 1886.

Obs. Conidia et oogonia eodem tempore ac in eodem folio vigentes. Fungillus oogonicus folio luci objecto, ut macula opaca tantum conspici potest.

PYRENOMYCETEAE Fr.

111. Phyllactinia antarctica Speg. (n. sp.).

Diag. Perithecia hypophylla, sparsa, mycelio, oidiaceo albo parcissimo mox evanido insidentia, globosa, (130-140 μ diam.), atra, verruculoso-asperula, opaca, glabra, sicca non v. vix cupulata, superne 6-8 appendicibus subcoronata; appendices simplices, cylindraceae (150-200 × 9 μ), rectae, divaricatae, apice obtuse acutatae, basi vesiculoso-inflatae (40 × 30 μ), hyalinae, continuae, laevissimae. Asci 8 v. 10 in quoque perithecio cylindraceo-elliptici v. subovati, apice late subtruncati, basi crasse brevissimeque noduloso-stipitati (80-95 × 22-24 μ), aparaphysati, bispori (an quandoque tetraspori?); sporae ellipticae v. ovoideae (32-33 × 15-20 μ), utrinque obtuse rotundatae, continuae, laeves non v. grosse 1-guttulatae, hyalinae.

Hab. Ad folia viva *Ribis magellanici* in collinis *Lion rang* prope *Gregory bay,* 20 April. 1882.

112. Phyllactinia suffulta (Reb.) Sacc.

Hab. Ad folia viva *Anarthrophylli rigidi* prope *Misioneros* secus *Rio Santa Cruz,* Jan. 1882.

Obs. Perithecia amphigena, sparsa, mycelio oidiaceo albo, parco subpersistente insidentia, globoso-depressa (200-220 μ diam.), atra, opaca, glabra, sicca cupulato-collapsa, inferne 6-8-appendiculata; appendices simplices attenuato-cylindraceae (150-250 × 7-9 μ), divaricatae, apice obtuse acutatae, basi vesciculoso-inflatae (28-30 × 20-25 μ). Asci 4 v. 5 in quoque perithecio, elliptico-sublimoniformes, sursum subumbonati, crasse rotundato-acutati, deorsum brevissime pedicellati (54-55 × 30 μ), aparaphysati, bispori; sporae ovoideae, utrinque obtusae (28 × 12-14 μ), granuloso-farctae, hyalinae.

113. Meliola megalospora Speg. — Fung. Arg. pug. IV, n. 115.

Hab. Ad folia viva *Iodinae rhombifoliae* in dumetis prope *Bahia Blanca*, Aug. 1886.

114. Valsa Bovei Speg. (n. sp.).

Diag. Euvalsa; acervuli laxe gregarii, cortice innati, e lenticulari conoidei (1-1,5‴), peridermio sublevato tecti, 12-15-peritheciigeri, disco majusculo parum erumpenti-exerto donati, stromate subfriabili albicante, perithecis atris; perithecia globosa (250-300 μ), stromate immersa, dense constipata, coriacella, atra, submembranacea, ostiolis longiusculis, fasciculatim conniventibus, cylindraceis, atris, subcarbonaceis, apice obtusis (400-500 × 80-120 μ), discum efformantibus ornata; asci clavulati v. fusoidei, sessiles, antice obtuse rotundati v. subtruncati (38-40 × 5-6 μ), basi attenuato-obtusati, octospori, aparaphysati; sporae recte v. oblique distichae, botuliformes, utrinque obtuse rotundatae (8-10 × 2 μ), hyalinae.

Hab. In ramis emortuis *Genistae*? species indeterminatae prope *Misioneros* secus *Rio S. Cruz*, Jan. 82.

115. Eutypa patagonica Speg. (n. sp.).

Diag. Stromate effuso, inaequali, vix tumidulo, sub peridermio evoluto eoque arcte adnato, nigricante v. fuscescente, per lignum obsolete excurrente; perithecciis hinc inde 6-20 dense constipatis, majusculis (0,5‴ diam.), globosis v. e mutua pressione angulosis, atris, laevibus, in collis longitudine variis productis; collis hinc inde fasciculatis ac epidermidem tumefactam perforantibus, non v. vix exertis, atris, ostiolis compressiusculis subconnatis non v. vix rugosis ac sulcatis donatis; ascis clavatis, longissime pedicellatis (part. sp. 40 × 6-7 μ = ped. 50-70 × 2 μ), apice attenuato-truncatis, crassissime tunicatis perforatisque, octosporis, paraphysibus filiformibus guttulatis, simplicibus, parcis obvallatis; sporis cylindraceo-allantoideis (10-13 × 2-2,5 μ) utrinque obtuse rotundatis ac 1-guttulatis, continuis, chlorinis.

Hab. Ad ramos emortuos putrescentes *Chiliotrichi amelloidis* vulgatissima in *Rio Gallego, Gregory bay, Punta Arenas*, aest. et hiem. 1882.

Obs. Species notis perplurimis *Eut. ludibunda* Sacc. accedens et facile ut ejusdem forma tantum consideranda.

116. Eutipa heteracantha Sacc.

Hab. Ad sarmenta dejecta *Vitis viniferae* prope *Cármen de Patagones,* Sept. 1883.

117. Eutypa comosa Speg. — Fung. Arg. pug. IV, n. 121.

Hab. Ad ramos dejectos putrescentes *Celtidis talae* prope *Bahía Blanca,* Aug. 1886.

118. Hypocopra Darwinii Speg. (n. sp.).

Diag. Perithecia sparsa, minuta ex ovato globosa (250-300 μ), nuda, glabra, laevia, ostiolo vix prominulo

obtuso donata, membranacea, contextu parenchymatico-subindistincto, pellucido, fuligineo; asci cylindracei (80-90 × 8-9 μ), apice obtuse rotundati v. subtruncati, subbifoveolati, deorsum breviter attenuato-pedicellati, octospori, paraphysibus parcis filiformibus, simplicibus, immixti; sporae recte v. oblique monostichae discoideo- v. subelliptico-lenticulares (μ 8-10 long. × 7-9 lat. × 4-4,5 crass.), eguttulatae, laevissimae, fuligineae, tunica mucosa destitutae.

Hab. In fimo struthionum (*Rheae Darwinii*) putrescente in *Meseta* secus *Rio Santa Cruz*, Jan. 1882.

Obs. Specimina nonnulla etiam inveni in fimo equino prope *Punta Arenas* et vix differunt ascis paullulo longioribus praecipue in parte stipitali (μ 110-120 long. tot. × 10 crass. = prt. stip. 70-80 long.).

Hypocopra discospora (Awd.) Fuck. summopere affinis, vero tamen satis distincta.

119. Hypocopra patagonica Speg. (n. sp.).

Diag. Perithecia minuta subpyriformia (180-200 μ diam.) superficialia v. semiimmersa, laevia, vix circa ostiolum crasse umbonatum minutissime ruguloso–papillulosa, membranacea, contextu grosse parenchymatico-celluloso, pellucido, olivaceo; asci cylindracei, apice truncato-rotundati, tunica modice incrassata, deorsum in stipite mox fluxili ac evanescente attenuato-producti (p. sp. 130 × 10-15 μ), octospori, paraphysibus filiformibus, subfluxilibus, simplicibus, densiusculis obvallati; sporae recte v. oblique monostichae, ellipticae v. ovoideae (15-18 × 8 μ), utrinque obtusae, laeves, eguttulatae opace fuligineae, muco destitutae.

Hab. In fimo equino prope *Misioneros* secus *Rio Santa Cruz*, Jan. 82.

Obs. Species *H. fimicolae* (Rob.) Sacc. nec non *H. argen-*

tinae (Speg.) Sacc. affinis, ab utraque sporis ascisque gracilioribus praecipue recedens.

120. Hypocopra hornithophila Speg. (n. sp.).

Diag. Perithecia sparsa, minuta, globosa (258-300 μ diam.) matrici immersa, ostiolo atro superficiem matricis attingente v. vix exerto, subcarbonaceo, udo papillulato, sicco cupulato-collapso donata, grisea, sordide pruinulosa, carnosulo-membranacea, contextu subindistincto, pallide fulvo-olivascente ; asci cylindracei apice truncato-rotundati, ac tunica crassiuscula, tri-foveolata donati, basi in stipite attenuato-producti (long. tot. 140-150 = p. sp. 130 × 12-14 = ped. 20-25 μ), paraphysibus filiformibus, toruloso-guttulatis, apice saepe ramulosis parce obvallati, octospori. Sporae ellipticae v. elliptico-ovoideae (22-24 × 11-12 μ), utrinque obtusiusculae, eguttulatae, laevissimae, primo tunica mucosa, crassa, hyalina involutae dein nudae.

Hab. In stercore vetusto *Berniclae antarcticae* in maritimis prope *Punta Arenas*, Jul. 1882.

Obs. Ab *H. aviaria* Karst. longe abhorrens.

121. Coprolepa equorum Fuck. — Sacc., Syll. Fung. vol. I, p. 249.

Hab. In fimo equino vetusto vulgata prope *Rio S. Cruz*, *Rio Gallegos* nec non prope *P. Arenas*, aest. et aut. 82.

Obs. Sporae ellipticae v. subovatae, utrinque acutiuscule rotundatae (25 × 9-10 μ), tunica mucosa, hyalina, inaequilaterali involutae.

122. Rosellinia magellanica Speg. (n. sp.).

Diag. Perithecia, in ligno denudato, dense seriata v. subbotryose aggregata, saepe subconfluentia, minuta, globosa v. obovata (200-300 μ diam), ostiolo minuto papil-

lulato donata, dura, carbonacea, atra, laevia, glabra, contextu indistincto; asci cylindracei, apice truncato-rotundati ac tunica non v. vix incrassatula saepeque biguttulata donati, basi breviter attenuato-pedicellati (95-110 × 9-11 μ), octospori, paraphysibus parcis, filiformibus, simplicibus immixti; sporae recte v. oblique monostichae, elliptico-lenticulares (18-20 long. × 8-10 lat. × 4-6 μ crass.), e fronte utrinque obtusae, e latere acutiuscule rotundatae, opace fuligineae, non v. grosse 1-guttulatae, opace fuligineae.

Hab. Ad ramos dejectos putrescentes *Fagi antarcticae* et *Mayteni chilensis* in sylvis prope *Cabo Negro*, Jul. 1882.

123. Hypoxylon magellanicum Speg. (n. sp.).

Diag. Perithecia majuscula (1-1,5‴ diam.), globoso-depressa, superne convexo-applanata centro ostiolato-papillulata, basi matrici parum infossa, stromate parcissimo interjuncta, pauci-aggregata, atra, dura, fragilia, glabra, laevissima; asci cylindracei, apice obtusissime rotundati v. subtruncati, inferne longiuscule attenuato-pedicellati (p. sp. 100-110 × 10 — stip. 80-130 × 5 μ), octospori, paraphysibus filiformibus densis crassis guttulatis obvallati; sporae oblique monostichae, elliptico-naviculares (15-17 × 8-9 μ), utrinque acute rotundatae, non v. 1-2-grosse guttulatae, opace fuligineae, strato mucoso hyalino exiguo obvolutae.

Hab. Ad ligna cariosa mucida *Fagi antarcticae* in sylvis prope *Punta Arenas*, Apr. 1882.

Obs. Species *H. semiimmerso* Ntsk. peraffinis; pulvinuli saepius 4-7-perithecliigeri sed quandoque (rarissime) perithecia solitaria sparsa etiam occurrunt.

124. Sphaerella patagonica Speg. (n. sp.).

Diag. Maculae nullae sed totum folium ex albo griseo-

arescens; perithecia sparsa v. hinc inde laxe aggregata, subepidermica, minuta, lenticulari-globosa (70–90 μ diam.), tenuissime membranacea, grosse parenchymatico-cellulosa, ostiolo rotundo perforata; asci e globoso-ovati, apice subacutato-rotundati crassissimeque tunicati, basi stipite crasso brevissimo (vix evoluto) suffulti (20 × 16 μ), octospori, aparaphysati; sporae inordinate polystichae, elliptico-clavulatae, utrinque obtusiuscule rotundatae (8-9 × 2-3 μ), medio 1-septatae, non v. vix subconstrictae, loculo supero nonnihil crassiore breviореque, hyalinae.

Hab. Ad folia exsiccata emarcida *Bolacis glebariae* in *Gregory bay*, Apr. 1882.

125. Sphaerella magellanica Speg. (n. sp.).

Diag. Maculae nullae sed matrix tota sordide griseo-arescens; perithecia hinc inde sparsa, subepidermica, globuloso-lenticularia (120-130 μ diam.), prominula, atra, glabra, ostiolo rotundo donata, membranacea, contextu parenchymatico, minute celluloso, atro-fuligineo; asci cylindracei v. cylindraceo-obclavati, subpachydermatici, apice subtruncato-rotundati, basi abrupte in stipite brevissimo nodulosoque producti (48-55 × 10-15 μ), octospori, aparaphysati; sporae recte di-tri-stichae, elliptico-clavulatae, utrinque plus minusve obtuse rotundatae (15-17 × 5-6 μ), medio 1-septatae, leniterque constrictae, loculo supero nonnihil crassiore, breviore acutioreque, hyalinae.

Hab. In scapis dejectis putrescentibus *Armeriae andinae* prope *Gregory bay*, Apr. 1882.

126. Melanopsamma ? lophiostomoides Speg. (n. sp.).

Diag. Perithecia sparsa v. laxe gregaria subseriata, matrice totaliter immersa, globoso-ovoidea (300-350 μ diam.), atra, carbonacea, ostiolo papillulato tantum ma-

tricis superficiem attingente non v. vix exerto, rotundo v. compressiusculo, rimose dehiscente (an semper?) donata; asci cylindracei, apice obtuse rotundati crasseque tunicati, basi in stipite breviusculo noduloso attenuato-producti (130-140 × 13-14 μ), octospori, paraphysibus densissimis filiformibus obvallati; sporae oblique monostichae, fusoideo-ellipticae (24-26 × 7-8 μ), medio 1-constricto-septatae, primo loculis grosse 2-3-nucleatis ac bis coarctatis (an tetrablastes?), dein simplicibus, laevibus, utrinque obtusiusculae, minute subimperspicueque apiculatae, strato mucoso tenuissimo obvolutae, hyalinae v. fumosae.

Hab. In trunco decorticato fluitato secus *Rio Gallegos* in loco *Kilik-aiken* vocato, Aug. 1882.

Obs. Species ad *Lophiostomata* nonnihil vergens, notis tamen fructificationis *M. europaea* Sp. peraffinis.

127. Gnomonia magellanica Speg. (n. sp.).

Diag. Maculae nullae; perithecia parenchymate innata, tecta, amphigena, sparsa, minuta, globosa (200-250 μ diam.), glabra, ostiolo setiformi longiusculo exerto, elongatulo, laeve, concolore donata. Asci et sporae ignoti.

Hab. Ad folia dejecta putrescentia *Fagi antarcticae* in sylvis *Voces bay*, Maj. 1882.

128. Melanconis antarctica Speg. (n. sp.).

Diag. Stroma valseum, ellipticum (5-6‴ lat. maj. × 2-3‴ lat. min. × 0,3-0,5‴ crass.), disco excepto, peridermio tectum, substantia corticis fere immutata efformatum, in parte centrali albescenti-flavescens, vix protuberans; perithecia in singulo stromate 15-25, eoque immersa, circinantia, sphaeroidea (250-300 μ diam.), atra, glabra, laevia, ostiolis in disco corticem perforante sed vix prominulo exertis, conoideis, obtusiusculis, rigidulis, ni-

gris, constipatis, subconfluentibus donata ; asci cylindraceo-subclavati, superne rotundato-subtruncati, minute bifoveolati, inferne in pedicello mox fluxili producti (p. sp. 80-85 × 10-11 μ), octospori, aparaphysati ?; sporae hyalinae v. fumosae distichae elongato-ellipticae v. subfusoideo-ellipticae (25-26 × 5 μ), medio 1-septatae leniterque constrictae, non v. vix subinaequilaterales, utrinque obtusiuscule acutatae ac caudula gracili subflexuosa (20-25 × 1-1,5 μ) hyalina auctae.

Hab. Ad ramos emortuos *Fagi betuloidis* in sylvis prope *Punta Arenas,* Apr. 1882.

Obs. Species *M. alni* Tul. valde affinis sed certe diversa !

129. Diaporte magellanica Speg. (n. sp.).

Diag. Tetrastaga ; stroma effusum, obsoletum, corticis interioris et ligni superficiem nigrificans ; perithecia laxe gregaria v. sparsa, cortice nidulantia, vix tumidula, lenticulari-globosa (300-400 μ diam.), ostiolis brevissimis, subconoideis epidermidem perforantibus sed vix exertis donata ; asci fusoidei (55-60 × 5-6 μ), apice subtruncati, inferne acutati, aparaphysati, octospori ; sporae distichae, elliptico-elongatae (10-14 × 2,5-3 μ), utrinque obtusiusculae, subinaequilaterales medio 1-septato-constrictae, grosse 1-guttulatae, hyalinae.

Hab. Ad ramos emortuos *Ribis magellanici* prope *Cabo Negro,* Jun. 1882.

Obs. Species *D. mitis* Sacc. peraffinis, sporis tamen minoribus obtusioribusque recedens ; an tantum ejusdem varietas ?.

130. Delitschia patagonica Speg. (n. sp.).

Diag. Perithecia sparsa, immersa, globosa (0,5-0,7‴ diam.), glabra, laevia, ostiolo papillulato-obtuso, atro, subcarbonaceo, superficiem matricis attingente v. vix exerto

donata, atra crassiuscule membranacea, contextu indistincto, fuligineo, opaco ; asci cylindracei sursum obtuse rotundati, deorsum abrupte, breve noduloseque stipitati (200 × 20 μ), paraphysibus crassiusculis guttulatis simplicibus parcis obvallati, octospori ; sporae oblique monostichae, ellipticae (35 × 16 μ) utrinque obtuse rotundatae, medio uniseptatae et leniter constrictae, non v. vix subinaequilaterales, opace fuligineae, tunica mucosa, hyalina, tenui obvolutae.

Hab. In fimo *Aucheniae guanaco* prope *Mount Entrance* ad ostia *Rio S. Cruz,* Jan. 1882.

131. Sphaerulinia giliae Speg. (n. sp.).

Diag. Perithecia in matrice arescente albo-grisea sparsa, primo epidermide tecta dein nuda, lenticularia (120-150 μ diam.), atra, laevia, glabra, apice ostiolato-perforata, membranaceo-coriacella, contextu grosse celluloso-parenchymatico, fuligineo ; asci cylindracei v. cylindraceo-clavati, antice obtuse rotundati, postice in stipite brevissimo, crassiusculo, noduloso producti (40-50 × 6-7 μ), octospori, aparaphysati ; sporae recte distichae, fusoideae, utrinque acutiusculae, medio 1-septatae leniterque constrictae, loculis medio septatis, supero nonnihil breviore acutioreque utrinque acutiusculae (13-14 × 3 μ), hyalinae.

Hab. Ad caules, folia, capsulas exsiccata putrescentia *Giliae arcuatae* in *Gregory bay, Rio Gallego, Rio S. Cruz,* vulgatissima aest. et aut. 1882.

Obs. Species facillime generi *Metasphaeriae* adscribenda.

132. Metasphaeria ? macrospora Speg. (n. sp.).

Diag. Perithecia in matrice arescenti-dealbata sparsa, parenchymate immersa, ostiolo papillulato tantum superficiem attingente non. v. vix exserto donata, globosa (200-250 μ diam.), atra, glabra, laevia, crassiuscule

membranacea, contextu parenchymatico celluloso, fuligineo-atro ; asci pauci in quoque perithecio, saccati v. ovati, antice obtuse rotundati crasseque tunicati, postice pedicello brevissimo noduloso donati (80-95 × 30-40 μ), octospori aparaphysati ; sporae inordinate distichae, fusoideo-ellipticae (38-42 × 12-13 μ), utrinque obtusiusculae, subcurvulae 7-septatae ac constrictae, loculis dense guttulatis, quarto supero caeteris nonnihil crassiore, primo hyalinae ac tunica mucosa crassiuscula concolore vestitae, dein nudae dilute fumoso-chlorinae.

Hab. Ad folia viva *Azorellae trifurcatae* in aridis maritimis, *Gregory bay*, Apr. 1882.

Obs. Species pulcherrima notis nonnullis ad *Pleosporam* vergens, dubia etiam inter *Leptosphaeriam* et *Sphaerulinam* nutat !.

133. Acanthostigma ? imperspicuum Speg. (n. sp.).

Diag. Perithecia in superficie denudata sparsa v. laxissime gregaria, minutissima (150-180 μ diam.), e lenticulariconoidea, saepe e latere compressiuscula, basi matrici insculpta, subcarbonacea, atra, minute laxeque hirsuta, setulis pusillis (18-30 × 2-3 μ), atris, opacis, contextu indistincto, ostiolo minutissimo pertusa : asci obclavati v. subovato-elliptici, antice rotundato-obtusati, postice abrupte in stipite brevi nodulosoque contracti (25-30 × 10-12 μ), aparaphysati, octospori ; sporae recte v. oblique di-tri-stichae, elliptico-fusoideae, utrinque acutiusculae (9-11 × 3-3,5 μ), triseptatae, ad septum medium non v. vix constrictae, loculis duobus centralibus fumosis.

Hab. Ad ramos emortuos decorticatos *Fagi antarcticae* prope *Cabo Negro*, Jun. 1886.

Obs. An melius generi *Chaetosphaeriae* adscribenda ?.

134. Zignoella patagonica Speg. (n. sp.).

Diag. Maculae indeterminatae, albae magnitudine ludentes; perithecia hinc inde laxiuscule 3-10-aggregata, macularum centro insidentia, ex ovoideo conoidea (200-250 μ diam.) carbonacea, atra, opaca, glabra, apice ostiolo submajusculo perforata; asci cylindraceo-subfusoidei, apice truncato-rotundati, basi in stipite breviusculo attenuato-producti (90-110 × 9-12 μ) octospori, paraphysibus filiformibus simplicibus obvallati; sporae distichae, subfusoideae, utrinque acutiusculae (16-20 × 5-6 μ) subinaequilaterales, 3-septatae, ad septum medium non v. vix constrictae, hyalinae.

Hab. Ad truncum denudatum vetustum *Fagi antarcticae* in sylvis prope *Punta Arenas*, Jul. 1882.

Obs. Species plurimis characteribus *lichenibus* accedens, iodi ope tamen nulla.

135. Sporormia minima Awd. — Sacc., Syll. Fung. vol. II., p. 124.

Hab. In stercore struthionum (*Rheae Darwinii*) et *Caviae australis* prope *Misioneros* secus *Rio S. Cruz*, Aug. 1882.

Obs. Asci cylindraceo-obclavati, apice subtruncato-rotundati crasseque tunicati, postice brevissime abrupteque noduloso-stipitati (70-80 × 13-15 μ), octospori, paraphysibus nullis v. paucissimis filiformibus simplicibus immixti; sporae recte v. oblique polystichae, cylindraceae, non v. vix curvulae (30-32 × 5-5,5 μ), tetramerae, strato mucoso hyalino tenuissimo v. nullo donatae.

136. Sporormia ambigua Niessl. — Sacc., Syll. Fung. vol. II., p. 125.

Hab. In fimo *Caviae australis* secus *Rio S. Cruz*, Aug. 1882.

Obs. Perithecia sparsa, immersa v. semmiimmersa, subglobosa (200-250 μ), atra, subcarbonacco-membranacea,

contextu parenchymatico subindistincto, atro, opaco, glabra, vix basi hyphis paucis brevibus repentibus ornata, ostiolo mammillato obtuso coronata; asci cylindraceo-subfusoidei (130-140 × 10-12 μ), apice subtruncato-rotundati, inferne in stipite (20-25 μ long.) producti, octospori, paraphysibus densis quandoque filiformibus, quandoque torulosis obvallati; sporae cylindraceae non v. vix subclavulatae (35-40 × 6-6,5 μ), tetramerae, strato mucoso hyalino tenui obovolutae, opace fuligineae, loculis eguttulatis.

A typo vix recedit sporis et ascis gracilioribus.

137. Sporormia lagenaeformis Fuck. — Sacc., Syll. Fung. vol. II, p. 125.

Hab. In stercore *Rheae Darwinii* prope *Mount Entrance* ad ostia fluminis *Rio S. Cruz*, Aug. 1882.

Obs. Perithecia conoideo-globosa (!), parvula (200-250 μ diam.), glabra, atra, membranacea, contextu indistincte parenchymatico; asci cylindraceo-clavati, antice subtruncato-rotundati, deorsum modice attenuato-pedicellati (80-100 × 20 μ) aparaphysati, octospori; sporae di-polystichae, cylindraceae (34-36 × 8 μ), fuligineae, non v. vix curvulae, opace fuligineae muco destitutae. A typo recedit forma peritheciorum nec non ascis nonnihil brevioribus.

138. Sporormia obliquisepta Speg. (n. sp.).

Diag. Perithecia sparsa lenticulari-globosa (200-250 μ diam.), ostiolo minuto papillulato instructo, atra, glabra, membranacea, contextu atro-fuligineo; asci clavati, antice rotundati crasseque tunicati, postice in stipite modice attenuati (115-130 × 15-16 μ), paraphysibus densis filiformibus, rarius torulosis obvallati, octospori; sporae cylindraceae, leniter curvulae (40 × 7 μ), tetramerae, loculis subrhomboideis (ob septa obliqua), primo

strato mucoso hyalino vestitae, dein nudae mox in articulis secedentes.

Hab. In fimo equino vetusto in valleculis uliginosis prope *Misioneros* secus *Rio S. Cruz*, Aug. 1882.

Obs. Species plurimis affinis, sed septis obliquis, loculisque rhomboedricis mox dignoscenda !

139. Sporormia intermedia Awd. — Sacc., Syll. Fung. vol. II, p. 126.

Hab. In fimo *ovium* et *struthionum* vetusto in insula *Pavon* fluminis *Rio S. Cruz*, Apr. 1882.

Obs. Perithecia e globoso-depressa (250-300 μ diam.), ostiolo crassiusculo papillulato instructa, nigra, glabra, membranacea, contextu parenchymatico-sinuoso, subindistincto, atro, fuligineo, pellucido; asci cylindracei, antice obtusissime rotundati crassiusculeque tunicati, postice breviuscule stipitati (150-160 × 20 μ), paraphysibus filiformibus parcis obvallati, octospori; sporae cylindraceae (42-50 × 8 μ), utrinque obtusiusculae, tetramerae, opace fuligineae, primo strato mucoso mox evanescente obovolutae.

140. Sporormia patagonica Speg. (n. sp.).

Diag. Perithecia sparsa, subsuperficialia, subglobosa (200-250 μ diam.), in sicco subcupulato-collapsa, ostiolo minuto vix papillulato donata, membranacea, contextu parenchymatico polyedrico atro-fuligineo; asci cylindraceo subclavati, antice rotundati, tunica non v. vix incrassata, postice in stipite brevi ac crassiusculo cuneato-attenuati (95-110 × 20 μ), aparaphysati, octospori; sporae recte v. oblique distichae, cylindraceae non v. vix curvulae, utrinque acutiuscule obtusatae (35-39 × 6-7,5 μ), facillime in articulis (centralibus 11-12 μ long.) secedentes, strato mucoso destitutae, opace fuligineae.

Hab. In fimo vetusto putrescente *Aucheniae guanaco* nec non *Rheae Darwinii* prope *Mount Entrance* ad ostia *Rio S. Cruz*, Jan. 1882.

141. Sporormia australis Speg. (n. sp.).

Diag. Perithecia minuta e globoso conoidea (150-180 μ diam.), sparsa, semmiimmersa, atra, glabra, ostiolo vix acutato et perspicuo coronata; asci cylindracei v. cylindraceo-obclavati, (75-80 × 20 μ), antice obtussissime rotundati crassiusculeque tunicati, postice abrupte in stipite brevissimo ac noduloso producti, paraphysibus paucis, filiformibus, valde brevioribus obvallati, octospori; sporae cylindraceae (40-42 × 8 μ), utrinque obtusiusculae, tetramerae, loculis (centralibus sphaeroideo-cuboideis) ocellatis, strato mucoso crassissimo hyalino obovolutae.

Hab. In fimo *Caviae australis* prope *Misioneros* secus *Rio S. Cruz*, Aug. 1882.

142. Sporormia megalospora Awd. — Sacc., Syll. Fung. vol. II, p. 126.

Hab. In stercore *Rheae Darwinii* in altiplanitie *meseta* vocata secus *Rio S. Cruz*, Jan. 1882.

Obs. Perithecia sparsa, subsuperficialia, globulosa (400-500 μ diam.), sicca cupulato-collapsa, atra, glabra, laevia, membranacea, ostiolo papillulato, parum perspicuo, contextu indistincto, opaco; asci cylindraceo-clavati, apice obtuse truncati, basi in pedicello modice elongato attenuati (150-180 × 32-35 μ) octospori, paraphysibus filiformibus, densissimis, submucoso-coalescentibus, hyalinis obvallati; sporae cylindraceae utrinque acutiuscule rotundatae (80 × 10-11 μ), vix curvulae, tetramerae, opace fuligineae, strato mucoso hyalino crasso (5-6 μ crass.) obovolutae, atro-fuligineae.

143. Sporormia heptamera Awd. — Sacc., Syll. vol. II, p. 129.

Hab. In fimo equino vetusto prope *Punta Arenas*, Jun. 1882.

Obs. Perithecia e conoideo globosa (250-300 μ diam.), ostiolo vix papillulato, glabra, atra, membranacea, contextu pellucido, parenchymatico, fuligineo-atro; asci fusoideo-subclavati (180-200 × 30 μ), antice rotundato-subtruncati crassiusculeque tunicati, postice breviuscule crassiusculeque stipitati paraphysibus paucis, filiformibus, simplicibus immixti, octospori; sporae cylindraceo-fusoideae, utrinque acutiuscule rotundatae (60-80 × 13-14 μ), heptamerae, loculo quarto supero aliis nonnihil crassiore, opace fuligineae, strato mucoso hyalino crasso obvolutae.

144. Pleospora gallegensis Speg. (n. sp.).

Diag. Perithecia in matrice canescenti-arescente sparsa, parenchymate innata, subepidermica, lenticulari-convexa (180-200 μ diam.), ostiolo papillulato epidermidem perforante non v. vix prominulo donata, atra, glabra, coriaceo-membranacea, contextu dense parenchymatico, fuligineo-atro; asci mox diffluentes, non visi; sporae ellipticae v. ovoideae inferne acutiusculae superne obtusiusculae (16-20 × 8-9 μ), 4-septatae, ad septa constrictiusculae, loculis centralibus septo altero longitudinali percursis, dilute fusco-brunneae.

Hab. Ad folia dejecta putrescentia *Stipae* cujusdam secus *Rio Gallego*, Aug. 1882.

145. Pleospora patagonica Speg. (n. sp.).

Diag. Perithecia sparsa, matricis subimmutatae parenchymate innata, lenticulari-hemisphaerica (200-250 μ diam.) ostiolo rotundo minutissimo perforata, atra, glabra, laevia, carbonaceo-membranacea, contextu indistincto; asci

cylindraceo-saccati, apice subtruncato-rotundati crasseque tunicati, basi abrupte in pedicello brevissimo crassoque producti (65-70 × 25-30 μ), aparaphysati, octospori; sporae recte di-v. tri-stichae, elliptico-ovoideae (24-28 × 10 μ), non v. vix subinaequilaterales, utrinque obtusiuscule acutatae, horizontaliter 7-septatae, septis 3 verticalibus percursae, ad septum medium constrictae, primo hyalinae, dein pallide chlorino-flavescentes.

Hab. Ad culmos dejectos putrescentes *Stipae* cujusdam secus *Rio Gallego*, Aug. 1882.

146. Pleospora magellanica Speg. (n. sp.).

Diag. Perithecia sparsa v. laxe gregaria, immersa, ostiolo papillulato tantum matricis superficiem attingente non v. vix exerto donata, globosa (200-230 μ diam.), atra, glabra, subrugulosa, subcarbonaceo-membranacea, contextu parenchymatico, subopaco, atro; asci cylindracei, pachydermatici, antice obtuse rotundati, postice abrupte in pedicello brevissimo crassoque desinentes (80-95 × 20 μ), aparaphysati, octospori; sporae recte distichae v. oblique monostichae, elliptico-obovatae (25-28 × 10-14 μ), non v. vix subinaequilaterales, medio 1-septatae non v. vix constrictae, loculo superiore 3-horizontaliter, 2-verticaliter septato (septis alternis), infero acutiore saepius 2-horizontaliter et 1-verticaliter septato, primo flavae, dein opace fuligineae.

Hab. Ad folia emortua *Azorellae trifurcatae* in *Gregory bay*, Apr. 1882.

147. Pleospora freticola Speg. (n. sp.).

Diag. Perithecia sparsa, epidermide tecta, prominula e conoideo globosa (250-300 μ diam.), atra, laevia, glabra, dura, ostiolo papillulato pertusa, subcarbonacea, contextu parenchymatico, subindistincto, opaco, atro; asci cylindraceo-subclavati, pachydermatici, sursum obtuse

rotundati, deorsum modice attenuato-stipitati (105-130 × 20–23 μ), paraphysibus parcis, crassis, flnxilibus obvallati, octospori; sporae recte distichae, elliptico-obovatae, utrinque obtusae (27-30 × 10-11 μ), medio 1-septatae, non v. vix constrictae, loculis 3-horizontaliter 1-2-verticaliter septatis, primo flavidae, dein olivaceae ac vix pellucidae.

Hab. Ad scapos dejectos putrescentes *Armeriae andinae* in *Gregory bay*, Apr. 1882.

Obs. In ascis sporas murales gerentes adsunt etiam saepe sporae nonnullae biloculares tantum, obscure fuligineae eadem magnitudine!

148. Pyrenophora antarctica Speg. (n. sp.).

Diag. Perithecia sparsa e conoideo globosa (250-300 μ diam.) superne tantum matrice exerta, atra, ostiolo vix papillulato laxe minuteque penicillato-setuloso (setulis conico-cylindraceis (40 × 3 μ), atris, opacis coronata, caeterum glabra, laevia, subcarbonacea, contextu opaco indistincto; asci cylindraceo-subclavati, apice subtruncato-rotundati crasseque tunicati, basi in stipite brevi crassiusculoque producti (70-75 × 9-10 μ), octospori, paraphysibus paucis, crassiusculis, guttulatis obvallati; sporae recte distichae, elliptico-subclavulatae, saepius nonnihil inaequilaterales (14-16 × 5-6 μ), medio 1-septato-constrictae, loculo supero crassiore obtusioreque 1-rarius 2-horizontaliter et 1-verticaliter septato, infero acutiusculo graciliore 2-horizontaliter, non v. 2-verticaliter septato donatae, primo flavidae, dein obscure fuligineae.

Hab. Ad folia emortua putrescentia *Azorellae* cujusdam in *Gregory bay*, Jun. 1882.

149. Pleosphaeria patagonica Speg. (n. sp.).

Diag. Perithecia in ligno denudato v. cortice libero

adhuc tecto, sparsa v. subseriatim hinc inde pauci-gregaria, globosa v. globoso–depressa (120–150 μ diam.), ostiolo non v. vix papillulato et perspicuo ornata, atra, submembranaceo-carbonacea, contextu indistincto, atro-fuligineo, setulis conico-cylindraceis, minutis (15-50 × 2-5 μ), atro-fuligineis, opacis, rigidulis laxe vestita; asci fusoideo cylindracei, sursum subattenuati crassissimeque tunicati (ac steriles), apiceque truncato-rotundati, deorsum in stipite brevissimo crasso nodulosoque attenuato-producti (50-55 × 12–14 μ), aparaphysati, octospori; sporae recte v. oblique distichae, elliptico-subfusoideae, utrinque obtusiuscule rotundatae (16-18 × 6-6,5 μ), 3-5-septato-constrictae, loculis 1-3 centralibus septo altero longitudinali donatis, grisco-fumosae.

Hab. Ad ramos dejectos putrescentes *Fagi antarcticae* in sylvis prope *Cabo Negro*, Jul. 1882.

Obs. Iodi ope nulla; in peritheciis ascigeris adsunt etiam spermatia innumera, minutissima, elliptica v. subnavicularia (2–2,5 × 0,7-1 μ), utrinque acutiuscule rotundata, hyalina.

150. Teichospora Bovei Speg. (n. sp.).

Diag. Euteichospora; perithecia hinc inde plus minusve dense gregaria, saepe subseriata e globoso conoidea, subdiffformia (350-450 μ diam.), endophleo denudato plus minusve immersa v. ligno denudato insidentia, recta v. obliqua, atra, carbonacea, glabra laevia, ostiolo crasso, obtuso saepius difformi plus minusve evoluto donata; asci cylindracei, apice obtusissime rotundati crasseque tunicati, 1-foveolati, basi longiuscule attenuato-pedicellati, octospori (120-140 × 10 μ), paraphysibus densis non v. vix longioribus obvallati; sporae oblique monostichae, ellipticae, triseptatae, ad septum medium valide constrictae, loculis 1-v. 2 internis septo altero verticali (rarius deficiente) donatis, utrinque obtuse acutatae

rectae v. rarius subcurvulae, magnitudine ludentes (12-22 × 5-10 μ = saepius 16-18 × 7-8 μ), fuligineae.

Hab. Ad ramos dejectos putrescentes *Genistae* species indeterminatae prope *Misioneros* secus *Rio S. Cruz*, Jan. 82.

151. Selinia antarctica Speg. (n. sp.).

Diag. Perithecia solitaria v. hinc inde 3-5 stromate carnosulo, ceraceo-rubescente plus minusve evoluto aggregata, matrice semimmersa, majuscula, globosa (500-800 μ diam.), sicca rosea, uda aurantiaca, ostiolo crassiusculo, papillulato, atro donata, crassiuscule carnosula, contextu indistincto, aurantio-melleo; asci obclavati, antice attenuati, ac crassissime tunicati (steriles), apiceque subtruncato rotundati, postice abrupte in pedicello brevissimo, crasso, noduloso contracti (100-135 × 25 μ), octospori, aparaphysati; sporae recte v. oblique distichae, elliptico-limoniformes (25-30 × 12-13 μ), utrinque acutiusculae ac saepe subapiculatae, laeves, hyalinae.

Hab. In fimo struthionum (*Rio S. Cruz*), equino et ovino (*Gregory bay*) nec non vaccino (*Punta Arenas*) vulgatissima, aut. et hiem. 1882.

152. Nectria hematochroma Speg. — Fung. Arg. pug. IV, n. 196.

Hab. Ad corticem putrescentem *Salicis Humboldtianae* secus *Rio Negro*, Aug. 1883.

153. Gibberella pulicaris (Fr.) Sacc. — Syll. Fung. vol. II, p. 552.

Hab. Ad culmos dejectos putrescentes *Zeae Maydis* prope *Bahia Blanca*, Aug. 1886.

154. Montagnella tordillensis Speg. — Fung. Arg. pug. IV, n. 189.

Hab. Ad folia viva *Iodinae rhombifoliae* prope *Bahia Blanca*, Aug. 1886.

Obs. Specimina adhuc non matura, tamen mox dignoscenda.

CYTTARIEAE Speg.

155. Cyttaria Darwinii Berk.

Hab. Vulgatissima ad ramos vivos *Fagi antarcticae* in sylvis prope *Punta Arenas*, *Cabo Negro*, *Voces bay*, aut. et hiem. 1882.

Obs. Genus *Cyttaria* Berk. meo sensu, tribus a discomycetibus longe abthorrentem constituit, praecipue vegetatione paradoxa epiphyta perenni, structura totius stromatis, dehiscentia loculorum, a pyrenomycetibus etiam longe distat.

156. Cyttaria Berterii Berk. — Mntng. in Gay Fl. Chil. Bot. vol. VII, p. 467.

Hab. Ad ramos *Fagi obliquae* in sylvis prope *Nahuelhuapí*, anno 1879.

157. Cyttaria Hookeri Berk.

Hab. Ad ramos vivo *Fagi antarcticae* et *F. betuloidis* in sylvis prope *Cabo Negro*, Jul. 1882.

Obs. Haec species facile a genere Cyttaria separanda et novum genus constituere digna!

DISCOMYCETEAE Fr.

158. Mitrula? antarctica Speg. (n. sp.).

Diag. Solitaria v. 2-3-gregaria, magnitudine ludens (4-7″ alt.), laevissima, glaberrima; stipes teres (3-4″ × 1,5-2‴) elongatus, sursum gradatim parceque incrassatus, deorsum longe attenuatus, basi saepe contortus, fusco-

rufescens v. fusco-carneus; clava in juventute teres, dein compressa, spathulato-clavata (2–3″ × 6‴ × 2–3‴) fistulosa, rugulosa saepeque hinc inde plicatula, ex albo mellea, saepeque subceraceo-pellucida, antice obtuse rotundata, postice attenuata basique abrupte irregulariterque anulato-constricta atque stipite imposita.

Hab. Inter folia dejecta putrescentia in sylvis prope *Voces bay*, Maj. 1882.

Obs. Descriptio haec in vivo peracta; notae fructificationis, speciminibus amissis, mihi ignotae.

159. Ascobolus furfuraceus Pers. — Syn. pag. 676.

Hab. In fimo vaccino vetusto in sylvaticis prope *Punta Arenas*, Apr. 1882.

160. Humaria granulata Bull. — Champ. p. 258, tab. 433, fig. 3.

Hab. In fimo vaccino vetusto in uliginosis secus *Rio Gallego*, Jul. 1882.

Obs. Species haec duo omnino cum speciminibus europeis congruentes.

161. Ascophanus patagonicus Speg. (n. sp.).

Diag. Ascomata sparsa v. hinc inde laxe gregaria, rubescenti v. flavescenti-ceracea, hemisphaerica (0,5–1‴ diam.), superne applanato-concava, margine integra, extus glaberrima; asci clavulato-saccati (20 × 8 μ), sessiles, aparaphysati, octospori, sporae inordinate di-tristichae, ellipticae, nonnihil inaequilaterales, utrinque obtusiusculae (7-9 × 3 μ), hyalinae. Iodi ope nulla.

Hab. In fimo *Aucheniae guanaco* in *meseta* secus *Rio S. Cruz*, Aug. 1882.

162. Patinella? antarctica Speg. (n. sp.).

Diag. Ascomata sparsa, hemisphaerico-cupulata, minuta

(300-350 μ diam.), atra, laevissima, glaberrima, disco concaviusculo non v. vix pallidiore, carnosulo-subcarbonacea, contextu epithecii dense minutissimeque merenchymatico, olivaceo; asci cylindracei, subtorulosi, apice obtuse rotundati, postice in stipite crasso ac breviusculo producti (65-70 × 7-8 μ), octospori, aparaphysati, muco fuscescente tenacissimo immersi; sporae recte v. oblique distichae, ellipticae (10-11 × 5-6,5 μ), utrinque obtusae, hyalinae non v. grosse 1-ocellatae. Iodi ope nulla.

Hab. In stercore vetusto *Rheae Darwinii* in altiplanitie, *meseta* vocata, secus *Rio S. Cruz*, Aug. 1882.

MYXOMYCETEAE (Fr.) DBy.

163. Licea antarctica Speg. (n. sp.).

Diag. Sporangia saepius hinc inde 5-20-gregaria, rarius solitaria, hypothallo submembranaceo-floccululoso concolore insidentia, obovata (0,5-0,7‴), sessilia, murino-fulvescentia, glabra, laevia; membrana simplex, tennis fulvella, anhista, sub lente rugulosa; capillitium parcissimum e tubulis exillimis (1 μ cras.), non v. vix ramulosis, laxissime papillosis, obscure fulvescenti-fuligineis compositum; sporae globosae (10–11 μ diam.), episporio crassiusculo minute denseque asperulo donatae, e hyalino pallide roseo-fulvescentes.

Hab. Ad truncos cariosos *Fagi antarcticae* in sylvis prope *Punta Arenas*, April. 1882.

FUNGI IMPERFECTI

164. Phoma Bergii Speg. — Fung. Arg. pug. III, n. 100.

Hab. Vulgata ad folia viva et emortua *Chuquiragae erinaceae* prope *Misioneros* secus *Rio S. Cruz*, per ann. 1879-82.

165. Phoma antarctica Speg. (n. sp.).

Diag. Perithecia densiuscule sparsa, subepidermica, lenticularia (100-140 μ diam.), atra, glabra, epidermide nonnihil nigrificata adnata, ostiolo minutissimo, papillaeformi donata, coriacella, contextu subindistincto, dense minutissimeque parenchymatico, olivaceo; sterigmata cylindracea, breviuscula (8-10 × 2 μ), apice acuta, hyalina; sporulae cylindraceo-ellipticae v. ovoideae (5-6 × 1,5-2 μ), utrinque acutae, grosse 1-guttulatae, hyalinae.

Hab. Ad folia emortua *Azorellae* cujusdam in marittimis *Gregory bay*, Jul. 1882.

166. Phoma tandilensis Speg. — Fung. Arg. pug. IV, n. 279.

Hab. Ad folia et petiolos emortua putrescentia *Margyricarpi* cujusdam prope *Bahia Blanca*, Aug. 1886.

167. Aposphaeria freticola Speg. (n. sp.).

Diag. Perithecia sparsa v. laxe hinc inde gregaria ex ovoideo pyriformia (160-180 μ diam.), basi matrici insculpta, atra, carbonacea, laevissima, glaberrima, subnitentia, contextu indistincto; sterigmata parvula e bacillari subclavulata (5-12 × 1 μ), apice obtusa, hyalina; sporulae minutissimae, ellipticae, utrinque rotundatae ac grosse 1-guttulatae (2,5 × 1 μ), hyalinae.

Hab. Ad ramos emortuos *Fagi antarcticae* in sylvis prope *Punta Arenas*, April. 1882.

168. Placosphaeria? magellanica Speg. (n. sp.).

Diag. Stromata sparsa, parenchymate innata, prominula, lenticularia v. lenticulari-subconoidea (280-350 μ diam.), atra, glabra, rugulosa, 1-3-locularia, membranaceo-coriacella, contextu grosse parenchymatico-celluloso, fuligineo, atro; sterigmata non visa; sporulae minutis-

simae, cylindraceae (3-4 × 0,5 μ), utrinque truncatae, saepeque minute biguttulatae, hyalinae.

Hab. Ad folia emortua putrescentia *Bromi macranthi* prope *Gregory bay*, April. 1882.

Obs. Species facillime in genere *Melasmia* transferenda.

169. Coniothyrium Bergii Speg. — Fung. Arg. pug. III, n. 114.

Hab. Vulgatissimum ad spinas nec non ramulos *Berberidis empetrifoliae, heterophyllae, dulcis, ilicifoliae* per tota *Patagonia*, per ann. 1874-83.

170. Ascochyta patagonica Speg. — Fung. Arg. pug. III, n. 123.

Hab. Ad petiolos nec non scapos *Anemonis sphaenophyllae* in uliginosis secus *Rio S. Cruz*, Aug. 1882.

171. Actinonema rosae (Lib.) Fr. — S. v. Sc., p. 424.

Hab. Vulgatum ad folia languida *Rosarum* cultarum in *Patagones*, Sept. 1883.

172. Diplodia salicina Lév. — Ann. Sc. nat. 1846, V, p. 292.

Hab. Ad ramulos dejectos putrescentes *Salicis Humboldtianae* prope *Bahia Blanca*, Aug. 1886.

173. Septoria bowlesiae Speg. — Fung. Arg. pug. IV, n. 285.

Hab. Ad folia viva v. languida *Bowlesiae tenerae* in *Chubut*, ann. 1883.

174. Camarosporium Roumegueri Sacc.—Speg., Fung. Arg. pug. III, n. 125.

Hab. In caulibus languentibus *Salicorniae peruvianae* in *Isla de los liones de mar* in *Rio S. Cruz*, ann. 1874.

175. Camarosporium patagonicum Speg. — Fung. Arg. pug. III, n. 126.

Hab. Ad folia viva v. languida *Atriplicis* cujusdam prope *Rio S. Cruz*, ann. 1874.

176. Vermicularia dematium (Pers.) Fr. — S. v. Sc. p. 420.

Hab. Ad caules dejectos putrescentes herbarum secus *Rio Gllego* et prope *P. Arenas*, hiem. 1882.

177. Blennoria patagonica Speg. (n. sp.).

Diag. Acervuli saepius hypophylli, laxe gregarii v. sparsi, erumpentes epidermideque laciniata cincti, compactiusculi, udi irregulariter patellari-aperti, disco tumido fuscescente, sicci ruguloso-contracti, sordide argillaceo-fusci (250-400 μ diam.); sterigmata non visa; conidia e strato proligero, carnosulo, fulvo-fusco, dense minutissimeque cellulosa, catenulatim exsurgentia, simplicia, bacillaria (15-20 × 1-1,5 μ), utrinque truncata hyalina.

Hab. Vulgatissima ad folia dejecta putrescentia *Berberidis heterophyllae* prope *Rio S. Cruz* et *Gallego*, nec non *Gregory bay*, *Punta Arenas*, hieme 1882.

178. Trullula tehuelches Speg. (n. sp.).

Diag. Perithecia sparsa v. gregaria, innato-erumpentia, hemisphaerico-subcupulata (90-100 μ diam.), atra, glabra rugulosa, contextu epithecii subcarbonaceo, externe atro interne subviolascente, subindistincte parenchymatico; sterigmata fasciculata, articulato-nodulosa, parce ramulosa, hyalina, longitudine varia; conidia acropleurogena, catenulata, cylindracea, utrinque truncata (3-6 × 1 μ), ac 1-guttulata, hyalina.

Hab. Ad ramulos emortuos *Lepidophylli cupressiformis* in *meseta* secus *Rio Gallego*, Aug. 1882.

Obs. Species, pseudoperitheciorum presentia, melius inter subcupulatas (sub *Godrionella!*) adscribenda.

179. Fusidium magellanicum Speg. (n. sp.).

Diag. Maculae majusculae (2-5‴ diam.), pallescenti-arescentes, subindeterminatae, concentrice rugulosae; acervuli amphigeni, minutissimi, dense gregarii saepeque confluentes, candidi; hyphae non v. vix evolutae, gracillimae, repentes, non v. vix ramulosae, hyalinae; conidia catenulata, cylindracea, continua (rarius medio 1-septata sed non constricta), utrinque acutiuscula (sed vertice truncatulo), recta v. subcurvula (12-30 × 2-2,5 μ), hyalina.

Hab. Ad folia viva *Casaleae* cujusdam in rivulis prope *Gregory bay*, Apr. 1882.

180. Oidium erysiphoide Fr. — Syst. myc. III, p. 432.

Hab. Formas plurimas hinc inde inveni:

I. *Madia viscosa* prope *Punta Arenas*.
II. *Fumaria capreolata* prope *Bahia Blanca*.
III. *Oxalis martiana*? prope *Bahia Blanca*.
IV. *Geranium patagonicum* in *Puerto Deseado*.
V. *Adesmiae* spec. in *Santa Cruz*.

181. Oidium Tuckerii Berk. — in Mon. Belg. 1850, IX, 2383.

Hab. Ad folia viva *Vitis viniferae* prope *Carmen de Patagones*, Aug. 1883.

182. Oidium leucoconium Desm.

Hab. Ad folia languida *Rosarum* cultarum vulgatissima in *Bahia Blanca* et *Patagones* per ann. 1883-86.

183. Aspergillus glaucus Lk.

Hab. Ad bulbos dejectos putrescentes *Allii coepae* prope *Patagones*, Sept. 1883.

184. Penicillium glaucum Lk.

Hab. In pane corrupto prope *Misioneros* secus *Rio S. Cruz*, Jan. 1882.

185. Coniosporium arundinis Cda.

Hab. In culmos dejectos putrescentes *Gynerii argentei* in paludibus prope *Bahia Blanca*, Aug. 1886.

186. Cladosporium herbarum Lk. — Obs. myc. II, p. 37.

Hab. Ad folia dejecta *Populi carolinianae* (*Bahia Blanca*) et *Mayteni magellanici* et *Embotryi coccinei* prope *Gregory bay*, Apr. 82 et Aug. 86.

187. Cercospora vitis (Lév.) Sacc.

Hab. Ad folia viva v. languida *Vitis viniferae* prope *Carmen de Patagones*, Aug. 1883.

188. Stylbum aurantio-cinnabarinum Speg. — Fung. Arg. pug. IV, n. 346.

Hab. Ad truncos emortuos *Duvauae* cujusdam prope *Bahia Blanca*, Aug. 1886.

189. Sporocybe antarctica Speg. (n. sp.).

Diag. Stromata sparsa v. hinc inde plus minusve dense gregaria, matrice dealbata insidentia, atra, stipite setaceo, recto v. subflexuoso, cylindraceo (2‴ alt. × 100-150 μ crass.), inferne non v. vix incrassatulo, superne abrupte in capitulo subgloboso v. subhemisphaerico, vix pallidiore expanso, contextu prosenchymatico subindistinco olivaceo-donata ; conidia globosa, minuta (2-3 μ diam.), grosse 1-guttulata olivacea.

Hab. Vulgatissima ad truncos decorticatos cariosos *Fagi antarcticae* prope *Cabo Negro, P. Arenas, Voces bay*, aut et hiem. 1882.

190. Fusarium heterosporum Nees.

Hab. Vulgatum ad *Sclerotium clavum* in graminaceis parasitans, *Rio S. Cruz, Gregory bay*, Aut. 1882.

MYCELIA STERILIA

191. Anthina? muscigena Speg. — Fung. Arg. pug. IV, n. 365.
Hab. Ad muscos truncos vestientes vulgata prope *Voces bay*, Maj. 1882.

192. Rhizoctonia violacea Tul. ?
Hab. Ad bulbos *Alsthroemeriae pygmeae* in *meseta* secus *Rio Gallego*, Jul. 1882.

193. Rhizomorpha subcorticalis Pers. — Syn. p. 704.
Hab. Ad truncos emortuos *Fagi antarcticae* prope *Punta Arenas*, Jul. 1882.

194. Sclerotium? dothideoide Speg. (n. sp.).
Diag. Stromata lenticularia, parenchymate foliorum innata ad epiphyllum discoideo-convexula (0,5‴ diam.), atra laevissima, subnitentia, ad hypophyllum non v. vix erumpenti-prominula, intus alba, compacto-subcornea, homogenea.
Hab. Vulgatissimum ad folia dejecta putrescentia *Berberidis buxifoliae* et *B. heterophyllae* prope *P. Arenas*, Jul. 1882.

195 Sclerotium Claivus DC.
Hab. Vulgatus ad cariopsides *Spartinae* cujusdam prope *Misioneros*, *Rio S. Cruz*, et *Phlaei Alopecurique* in *Gregory bay*, Apr. et Aug. 82.

La Plata, 1° Martio 1887.

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