

Fungi S. Paulenses IV¹⁾

a cl. Puttemans collecti.

Autore P. Hennings.

Peronosporaceae.

Cystopus Ipomaeae panduratae (Schwein.) Stev., Kansas p. 67.

Serra da Cantareira in foliis *Ipomaeae* sp. n. 672.

Uredinaceae.

Uromyces Rhapanae P. Henn. n. sp.; maculis rotundatis cingulatis fuscis; soris hypophyllis gregariis, pulvinatis angulatis, ferrugineis, firmis; teleutosporis ovoideis vel ellipsoideis, flavo-brunneis, apice obtuso-papillatis vel appanatis, ca. $6\ \mu$ incrassatis pallidioribus, $20-30 \times 12-17\ \mu$, pedicello hyalino, persistente, ca. $30-120 \times 2-4\ \mu$.

Osasco mattos in foliis *Rhapanae* sp. n. 1290.

U. ingicola P. Henn. n. sp.; maculis sparsis rotundato-angulatis fuscis; soris hypophyllis pulvinatis vel confluentibus fulvis; uredosporis ovoideis, ellipsoideis, vel oblongis, verrucosis, $18-28 \times 16-20\ \mu$, brunneo-fuscidulis; teleutosporis ovoideis apice incrassatis, rotundatis, brunneis, $18-26 \times 15-18\ \mu$, pedicello breve hyalino.

S. Paulo, Capital in foliis *Ingae* sp. in societate Darlucae Fili. Febr. 1903, n. 646.

U. Desmodii leiocarpi P. Henn. n. sp.; maculis rotundatis vel obsolete, flavidis vel fuscidulis; soris hypophyllis sparse gregariis, pulvinatis, brunneolis; uredosporis ellipsoideis vel ovoideis flavo-brunneis, aculeato-verrucosis, $15-23 \times 12-20\ \mu$; teleutosporis ellipsoideis vel ovoideis vertice, ca. $5\ \mu$ incrassatis obtuso-rotundatis, castaneis, verrucosis, $20-28 \times 16-18\ \mu$, pedicello hyalino, $10-20 \times 3\frac{1}{2}-4\ \mu$.

S. Paulo, Horto botanico in foliis *Desmodii leiocarpi*. Juli 1902, n. 529 (= *Uredo Desmodii leiocarpi* P. Henn. Hedw. XLI, p. 107).

Puccinia Ipomaeae-panduratae (Schwein.) Syd., Mon. I, p. 323.

Serra da Cantareira in foliis *Ipomaeae* sp. Mart. 1903, n. 671.

¹⁾ Cfr. Hedw. XLI, p. 104 und 295, Hedw. XLIII, p. 197.

P. Lantanae Farl., Proc. Am. Acad. of Arts and Sc. XVIII, p. 83.
S. Paulo, Capital, Chacara in foliis *Lantanae* sp. Febr. 1903,
n. 631.

P. Heteropteridis Thüm., Mycoth. univ. (1877), n. 839.

Morro Pellado in foliis *Heteropteridis* sp. Juli 1904, n. 1113.

P. Anemopaegmatis P. Henn. n. sp.; maculis sparsis rotundatis vel gregarie confluentibus, brunneo-fuscis; soris hypophyllis vel epiphyllis sparsis, primo epidermide fissa pallida velatis, fulvis; uredosporis subglobosis vel ellipsoideis, brunneis, subradiato-verrucosis, verrucis cylindraceutis obtusis, hyalinis, ca. $4-5 \times 2 \mu$, $20-30 \times 15-25 \mu$; teleutosporis ellipsoideis, vertice obtuso-rotundatis vel papillatis vix incrassatis, medio septatis constrictis, brunneis $30-40 \times 22-32 \mu$, pedicello hyalino, ca. $20 \times 4-6 \mu$.

S. Paulo, Capital in foliis *Anemopaegmatis* prostrati.
Mart. 1903, n. 682.

P. Piptocarphae P. Henn., Hedw. 1896, p. 240.

Serra da Cantareira in foliis *Piptocarphae* sp. (Uredo). Juli 1905,
n. 1322.

Puccinosira Triumphetae Lagerh. (Ber. D. B. Ges. 1891,
p. 348).

Iponema in foliis *Triumphetae longicomae*. April 1906,
n. 718.

Cronartium Byrsonimatis P. Henn. n. sp.; maculis subrotundato-angulatis vel effuso-confluentibus rufobrunneis vel fuscidulis; uredosporis hypophyllis sparsis vel gregariis epidermide tectis dein velatis, fulvis; uredosporis subglobosis, ellipsoideis vel ovoideis, brunneis, aculeatis, $30-40 \times 22-30 \mu$; teleutosporis hypophyllis gregarie effusis, columella teleutosporarum tereti, subulata simplici, ca. $1\frac{1}{2}-3 \text{ mm} \times 100-180 \mu$, brunneola; teleutosporis oblongo-fusoideis vel clavatis, acutis, $40-70 \times 12-18 \mu$.

Morro Pellado C. P. cerrado in foliis *Byrsonimae coccolibifoliae*. Juli 1904, n. 1140.

Uredo ochracea Diet., Hedw. 1897, p. 35.

Horto botanico in foliis *Commelinae*. April 1902, n. 502.

U. psychotricola P. Henn., Hedw. 1895, p. 321.

Serra da Cantareira in foliis *Psychotriae* sp. Majo 1905 (G. Edwall), n. 1264.

U. Crotolariae Diet., Hedw. 1899, p. 257.

S. Paulo, Capital in foliis *Crotolariae*. Aug. 1904, n. 1187.

U. Copaiferae P. Henn. n. sp.; maculis effusis fuscidulis; soris hypophyllis sparse gregariis, pulvinatis, fulvis, epidermide tectis vel velatis; paraphysibus clavatis, curvulis, brunneis, $30-50 \times 8-10 \mu$; uredosporis oblongo-fusoideis vel clavatis, granulatis, brunneis, $25-40 \times 13-20 \mu$.

Morro Pellado *C. P. capao* in foliis *Copaiferae* sp. Juli 1904, n. 1154.

U. Apocynaceae P. Henn. n. sp.; maculis effusis fuscidulis; soris amphigenis gregarie sparsis, pulvinatis diutius tectis dein epidermide fissa velatis; uredosporis ellipsoideis, ovoideis vel clavatis, brunneis, aculeato-asperatis, $20-40 \times 13-22 \mu$.

Serra da Cantareira in foliis *Apocynaceae*. Mart. 1903, n. 694.

Aecidium Puttemansianum P. Henn. n. sp.

Aecidiis cauli-vel petiolicolis eos circumdatis paulo deformantibus, flavidis; pseudoperidiis caespitosis cupulatis, aurantiis, contextu cellulis subrotundis vel oblongis polyedricis, reticulatis; sporis subgloboso-angulatis, flavo-fuscidulis, $14-20 \times 12-18 \mu$.

Serra da Cantareira in caulibus vel petiolis *Jacarandae* sp. Mart. 1903, n. 676.

A. Piptocarphae P. Henn. n. sp.; maculis angulato-rotundatis vel effusis, fuscis; aecidiis hypophyllis sparsis, pseudoperidiis cylindraceis, flavis usque ad $3 \times 0,3$ mm, contextu cellulis oblonge fusoides, reticulatis, hyalinis; aecidiosporis ellipsoideis vel ovoideis, radiato-striatulis, fuscidulis, $25-36 \times 20-30 \mu$.

Serra da Cantareira in foliis *Piptocarphae* cfr. *axillaris*. Juli 1905, n. 1324.

A. Desmodii P. Henn. Hedw. 1896, p. 259.

Iponema in foliis *Desmodii* sp. April 1903, n. 707.

Septobasidiaceae.

Septobasidium crinitum (Fr.) Pat., Bull. soc. myc. Fr.

Osasco in ramulis *Rhapanae* sp. April 1905, n. 788 et 789.

Hydnaceae.

Irpex cfr. *lacteus* Fries, Elench. p. 145.

Morro Pellado ad ramis emortuis. Juli 1904, n. 914.

Polyporaceae.

Polyporus Warmingii Berk., Fungi Glaz. p. 752.

Serra da Cantareira ad truncum arboris n. 785.

Polystictus albo-cervinus Berk., Hook. Journ. 1856, p. 234.

Rio Grande ad arborem emortuum. Juli 1904, p. 911 e.

P. trichomallus Berk. et Mont., Cent VI, n. 65.

Morro Pellado ad truncum putridum, n. 915.

Gloeoporus Rhipidium (Berk., Hook. Journ. 1897, p. 312) Speg.

Serra da Cantareira ad lignum emortuum, n. 874, 874a.

Lenzites striata Swartz, Fl. Ind. occ. p. 19.

S. Paulo, Capital ad truncum emortuum. Majo 1905, n. 847a.

L. repanda (Mont.) Fries, Epicr. p. 404.

Osasco ad truncum arboris. Majo 1905, n. 879.

Agaricaceae.

Bolbitius flavidus (Bolt.) = *B. Boltoni* (Pers.) Fr., Ep. p. 254.

S. Paulo, Capital ad terram. Febr. 1905, n. 885.

Panaeolus papilionaceus (Bull.) Fr., Epicr. p. 236.

S. Paulo, Capital ad terram. Febr. 1904, n. 884.

Pholiota paulensis P. Henn. n. sp.; pileo carnosulo, campanulato convexo, obtuso, fusco-brunneo vel fulvo squamuloso, ca. 4—5 cm diam.; lamellis liberis confertis, subventricosis, flavido-fuscidulis; stipite subcavo, subtereti, brunneo, squamosulo, ca. 5 cm longo, 5 mm lato ad basim incrassato, medio annulo membranaceo, amplo, fuscido; sporis subglobois vel late ellipsoideis, 1-guttulatis, laevibus, flavido-fuscidulis, $4\frac{1}{2}$ — 6×4 — 5μ .

S. Paulo, Capital ad terram, n. 753.

Ph. erebriae affinis.

Pleurotus Puttemansii P. Henn. n. sp.; pileo primo resupinato dein reniformi vel flabellato sessile, carnosulo subgelatinoso, atro, cinereo-villoso, margine crispulo nudo, 0,5—1 cm diam.; lamellis confertis, crassiusculis, inaequilongis, fusco-brunneis, cystidiis fusoides vel lageniformibus, 40 — $50 \times 10 \mu$, atrofusis; basidiis subclavatis, 20 — 25×10 — 14μ ; sporis ellipsoideis, obtusis, hyalinis, 7 — 10×4 — 5μ .

Serra da Cantareira ad truncum emortuum arboris, 1905, n. 972.

Pl. atro-coeruleo applicatoque affinis.

Perisporiaceae.

Dimerosporium pelladense P. Henn.; caespitulis epiphyllis gregariis, atro-crustaceis, rotundatis usque ad 1 mm diam.; hyphis reptantibus atrofusis, ca. 3 — $3\frac{1}{2} \mu$ crassis; peritheciis lenticularibus astomis, atro-carbonaccis, 70 — 90μ diam.; ascis clavatis, apice rotundatis tunicatis, 8-sporis, paraphysatis, 30 — 40×14 — 20μ ; sporis subdistichis ovoideis, hyalinis, medio septatis, 12 — 14×5 — 6μ .

Morro Pellado C. P. capao, beira do correjo in foliis Rubiaceae. Juli 1904, n. 1152.

D. Cordiae P. Henn. n. sp.; peritheciis epiphyllis sparsis vel caespitosis, globulosis atris, astomis, ca. 60 — 90μ , hyphis atrofusis, ca. 3μ crassis apice palmato-ramosis; ascis clavatis, apice rotundatis tunicatis, 8-sporis paraphysatis, 35 — 53×10 — 12μ ; sporis subdistichis ovoideis, 1-septatis constrictis, hyalinis, 10 — 12×4 — $4\frac{1}{2} \mu$.

S. Paulo, Capital in foliis Cordiae sp. Febr. 1903, n. 640.

D. cordiicolae P. Henn. et *D. subpilosum* Wint. distinctum.

D. Ingae P. Henn. n. sp.; caespitulis epiphyllis gregariis, atris, pulvinato-rotundatis, ca. 1 mm diam., hyphis atrofusis ramosis, septatis, 3 — 8μ crassis radiantibus, conidiis oblongo-cylindraccis vel clavatis, brunneis, medio 1-septatis, 40 — 60×8 — 10μ ; peritheciis caespitosis globulosis, atrofusis, cellulosis, ca. 150 — 200μ ; ascis

clavatis apice obtuso-rotundatis tunicatis, 8-sporis, $70-85 \times 23-30 \mu$; sporis subtristichis vel conglobatis, oblongis, subfusoides vel clavatis, medio 1-septatis, hyalinis, $40-52 \times 7-8 \mu$.

Serra da Cantareira in foliis *Ingae* sp. Mart. 1903, n. 670.

D. Strychni P. Henn. n. sp.; maculis mycelii amphigenis effusis, fuscis, radiantibus; peritheciis sparsis vel gregariis, globosis, astomis, atro-membranaceis, $90-100 \mu$ diam.; ascis clavatis, obtusis, 8-sporis paraphysatis, $26-35 \times 8-10 \mu$; sporis subdistichis ovoideis medio 1-septatis, hyalinis, $5-6 \times 3 \mu$.

S. Paulo, Capital in foliis *Strychni*. Mart. 1903, n. 686.

Dimerium Celtidis P. Henn. n. sp.; caespitulis hypophyllis gregariis, rotundato-pulvinatis, atris, crustaceis, $1-3 \text{ mm}$ diam.; peritheciis, gregariis, subgloboso-collapsis, cellulosis, atrofuscis, pertusis, $90-120 \mu$ diam.; ascis cylindraceo-clavatis, obtusis, 8-sporis, $40-60 \times 4-5\frac{1}{2} \mu$; sporis oblique monostichis vel subdistichis ovoideis vel ellipsoideis, medio 1-septatis, fuscidulis, $5-7 \times 3 \mu$.

Serra da Cantareira in foliis *Celtidis glycycaepae*. Mart. 1903, n. 688.

D. Solani P. Henn. n. sp.; caespitulis epiphyllis rotundatis sparsis vel gregarie confluentibus, atris; peritheciis gregariis in hyphis *Meliolae* parasiticis globulosis atris, cellulosis, $60-100 \mu$ diam.; ascis clavatis, obtusis, paraphysatis, 8-sporis, $40-50 \times 7-10 \mu$; sporis oblique monostichis vel distichis ovoideis vel ellipsoideis, medio 1-septatis haud constrictis, fuscobrunneis, $8-11 \times 3-4 \mu$.

Morro Pellado in foliis *Solani grandiflori*. Julio 1904, n. 1104.

Parodiella melioloides (B. et C.) Winter, Hedw. 1885, p. 257.

Morro Pellado C. P. Capão in foliis *Perae* sp. Julio 1904, n. 1139;

Pedro Doll in foliis *Lüheae* sp. Martio 1903, n. 689.

P. grammodes (Kunze) Cooke = *P. perisporioides* (B. et C.) Sacc.

Horto botanico in foliis *Desmodii* et *Crotalariae* sp. April 1902, n. 592, 503.

Perisporium Lantanae P. Henn. n. sp.; peritheciis hypophyllis gregariis in villo nidulantibus, globulosis atris, cellulosis, $140-180 \mu$ diam.; hyphis fuscidulis repentibus simplicibus vel ramosis, ca. $3-7 \mu$ crassis circumdatis; ascis oblongo-ovoides vel clavatis, apice rotundatis, 8-sporis, $60-80 \times 18-20 \mu$; sporis distichis vel conglobatis fusoides vel clavatis, curvulis utrinque obtuso-rotundatis medio 1-septatis constrictis, dein 3-septatis, olivaceo-fumosis, $23-32 \times 6-10 \mu$.

S. Paulo, Capital, Cheara in foliis *Lantanae* sp. Martio 1903, n. 630.

Meliola amphitricha Fries, Elench. II, p. 109.

Morro Pellado in foliis *Andirae* sp. Juli 1904, n. 1101, 1102.

Iponema in foliis *Aristolochiae*. April 1903, n. 709, 710.

M. inermis Kalchbr. et Cooke, Grev. 1880, p. 34, f. 38.

Agua Branca in foliis Anonaceae. Majo 1905, n. 739.

Horto botanico in foliis Aegiphilae Sellowianae n. 531.

M. cfr. Cookeana Speg. Fung. Arg. IV, p. 41.

Morro Pellado in foliis *Didymopanax venosi*. Julio 1904, n. 1112.

Capnodiaceae.

Capnodium sp. (immaturum).

S. Paulo Capital in foliis *Philodendri*. Juli 1904, n. 1163.

Capnodium sp. (immaturum).

Campinas in foliis *Palmarum*. Junio 1905, n. 1304.

Scorias paulensis P. Henn. n. sp.; mycelio atro-crustaceo epiphylo effuso; hyphis repentibus septatis radiatis fusco-atris; peritheciis clavatis vel piriformibus ca. $150-200 \times 30-80 \mu$, e fibris fuscis compositis; ascis clavatis vel oblongo-ovoideis, 4-sporis, $20-30 \times 6-8 \mu$; sporis conglobatis, fusoideis vel clavatis, 3-septatis, hyalinis, $10-12 \times 3-3\frac{1}{2} \mu$. Conidia ovoidea vel ellipsoidea, fuscicula, 1-septata, $5-9 \times 3-4 \mu$.

S. Paulo, Capital in foliis *Justiciae* sp. Majo 1905, n. 1270.

Hypocreaceae.

Megalonectria polytrichia (Schwein.) Speg., Fung. Arg. Pug. IV, n. 211.

Osasco in ramis emortuis, Majo 1905, n. 864.

(Conidiis, peritheciis immaturis.)

Hypocrella camerunensis P. Henn., Engl. bot. Jahrb. XXIII, p. 545. ?

Iponema, ramis *Mikaniae* sp. April 1903.

(Peritheciis immaturis.)

Ascopolyporus Puttemansii P. Henn. n. sp.; stromatibus subglobosa-tuberosis vel ungulato-polyporiformi basi discoideo-adnatis, gelatinoso-carnosis parte superiore convexa flavo-brunnea fuscicula sterili, inferiore fertili applanata granuloso-ostiolata, 3-4 cm diam.; peritheciis immersis confertis oblongo-cylindraccis, ca. $1\frac{1}{2}$ mm longis; ascis cylindraccis, vertice obtuso-rotundatis, 4-sporis, $350-400 \times 11-12 \mu$; sporis parallelis, cylindraccis, utrinque rotundatis, pluri-septatis, hyalinis haud dilabentibus, ca. $280-300 \times 4-5 \mu$.

Rio Grande in culmis *Bambusae*. Febr. 1903, n. 654.

Sporis 4-5 μ crassis etc. *Ascopolyporo* *polyporoide* etc. omnino diversus.

Dothideaceae.

Bagnisiella Pruni P. Henn. n. sp.; stromatibus amphigenis innato-superficialibus, pulvinato-subglobosis, atris, granulato-rugulosis,

1—2 mm diam., loculis subglobosis immersis, ostiolatis; ascis clavatis, vertice rotundatis, attenuato-stipitatis, 8-sporis, paraphysatis, ca. 100—140 μ longis p. sporif. 60—70 \times 15—25 μ ; sporis subdistichis, oblongo-ellipsoideis, hyalinis, continuis, 16—18 \times 6—7 μ .

Serra da Cantareira in foliis Pruni sphaerocarpace. Aug. 1907, n. 1179.

B.? *Alibertiae* P. Henn. n. sp.; stromatibus epiphyllis raro hypophyllis innato superficialibus sparsis vel aggregatis subglobosopulvinatis, atro-subcarbonaceis, rugulosis, ca. 1 mm diam.; loculis immersis, subglobosis rotundato-ostiolatis, contextu subcoriaceo, atroviolaceis; ascis cylindraceo-clavatis, obtusis, paraphysatis, 8-sporis, 70—90 \times 8—12 μ ; sporis oblique monostichis, oblongis, hyalinis continuis (immaturis), 12—15 \times 4—5 μ .

Meninos (Municipio S. Bernardo) in foliis coriaceis *Alibertiae* concoloris. Sept. 1902, n. 583.

Phyllachora peribebuyensis Speg., Fung. Guar. I, p. 274.
Piritubo in foliis *Tibauchiniae*. Junio 1903, n. 744.

Ph. Psychotriae Rehm, Hedw. 1897, p. 371.

Serra da Cantareira in foliis *Psychotriae*. Mart. 1903, n. 514.

Ph. tropicalis Speg. Fung. Arg. Pug. III, p. 67.

Eugenio de Mello in foliis *Psidii*. Aug. 1902, n. 555.

Iponema in foliis *Myrtaceae*. April 1903, n. 725, 1267.

(*Ascis immaturis*.)

Ph. vernonicola P. Henn., Hedw. 1902, p. 110.

Serra da Cantareira in foliis *Vernoniae*. Febr. 1902, n. 468.

Ph. paraguayana Speg. Fung. Guar. I, p. 272.

Horto botanico in foliis *Lüheae speciosae*. Majo 1902, n. 513, 1531.

Ph.? *Guazumae* P. Henn. n. sp.; maculis rufo-fuscidulis rotundatis vel effusis; stromatibus epiphyllis sparsis, rotundato-pulvinatis, atris, plurilocularibus ostiolatis; ascis clavatis, obtusis, 8-sporis, paraphysatis, ca. 70—75 \times 7—8 μ ; sporis oblique monostichis, ellipsoideis, hyalinis? immaturis.

Iponema, Pedro Santa in foliis *Guazumae ulmifoliae*. April 1903, n. 722.

Ph. curvulispora P. Henn. n. sp.; stromatibus epiphyllis sparsis vel aggregatis rotundato-pulvinatis, ca. 3—5 mm diam., atro-nitentibus, loculis subglobosis, ostiolis vix prominulis; ascis clavatis, obtusis, 8-sporis, 60—80 \times 10—20 μ ; sporis subdistichis, fusoides, curvulis, hyalinis, intus granulosus, continuis, 17—20 \times 5—7 μ .

Morro Pellado in foliis *Myrtaceae*. April 1904, n. 1142.

Ph. Rhopalae P. Henn. n. sp.; stromatibus epiphyllis gregariis, angulato-pulvinatis, atro-nitentibus, ca. 3—4 mm diam., loculis sub-

globosis immersis fuscis; ascis clavatis, vertice obtuso-rotundatis, 8-sporis, paraphysatis, 100—110 μ longis, p. sporif. 80—90 \times 9—11 μ ; sporis oblique monostichis, ellipsoideis, continuis, hyalinis, 12—18 \times 6—7 μ .

Morro Pellado C. P. cerrado in foliis Rhopalae brasiliensis. Julio 1904, n. 1161.

Ph. rhopalinae (Mont.) Sacc. distincta.

Ph. Cannabis P. Henn. n. sp.; stromatibus cauliculis dense gregariis, plano-pulvinatis, atro-opacis angulato-rotundatis; ascis clavatis apice rotundatis, 8-sporis, 45—55 \times 10—12 μ ; sporis oblique monostichis vel distichis subfusoides vel ovoideis hyalinis, continuis nubilosis, 12—17 \times 5—6 μ .

S. Paulo, Capital in caulibus Cannabis sativae. Majo 1905, n. 1250.

Ph.? Ingae P. Henn. n. sp.; maculis sparsis vel effusis, brunneo-fuscis; stromatibus amphigenis sparsis vel aggregatis, atris, angulato-pulvinatis, planis, 1—2 mm diam., peritheciis immersis, globulosis obtuso-ostiolatis; ascis cylindraceo-clavatis, obtusis, paraphysatis immaturis.

Iponema in foliis Ingae sp. April 1904, n. 727.

Ph. graminis (Pers.) Fuck., Symb. Myc. 216.

Serra da Cantareira in foliis Panic. Mart. 1902, n. 475.

Ph. Eleusines Speg., Myc. Arg. ser. II, 1902, p. 75.

Piracicaba in foliis Eleusines indicae. Dec. 1894, n. 1167.

Auerswaldia Puttemansii P. Henn., Hedw. XLVI (1902), p. 111.

Horto botanico in foliis Lauraceae, 1902, p. 571.

Dothidella Mabae P. Henn. n. sp.; stromatibus amphididymis sparsis vel aggregatis, plano-pulvinatis rotundatis, atris, opacis, 1—2 mm diam., peritheciis immersis subglobosis obtuso-ostiolatis; ascis fusoides vel clavatis, obtusis, 8-sporis, 50—75 \times 8—15 μ , paraphysatis; sporis, oblique monostichis vel distichis oblongo-fusoides vel clavatis hyalinis continuis dein medio, 1-septatis, 18—24 \times 5—7 μ .

Morro Pellado, capao secco in foliis Mabae inconstans Gr. April 1904, n. 1146.

Naemacyclus Styracis P. Henn. n. sp.; stromatibus hypophyllis sparsis vel gregariis pulvinato-superficialiis, atris, verrucoso-rugulosis, 1—2 mm diam.; loculis immersis, verrucoso-ostiolatis, rotundatis, ca. 180 μ diam.; ascis clavatis, obtuso-rotundatis, paraphysatis, 8-sporis, 70—90 \times 15—20 μ ; sporis subtristichis, oblongo-fusoides vel clavatis, obtusis, hyalinis, medio, 1-septatis, 22—27 \times 5—6 μ .

Morro Pellado in foliis Styracis. Julio 1904, n. 1532.

Dothidellae pulverulentae (B. et Br.) distinctus.

Dothidea Striphnodendri P. Henn. n. sp.; stromatibus epiphyllis, erumpente superficialibus, gregariis, pulvinatis rugulosis, atro-carbonaceis, 0,5—1 mm diam., loculis immersis globulosis, fuscis, obtuso-ostiolatis; ascis cylindraceutis vertice obtuso-rotundatis, 8-sporis, 45—55 × 4—6 μ ; sporis oblique monostichis ellipsoideis utrinque rotundatis, medio 1-septatis, constrictis, fuscis, 9—10 × 4—5 μ .

Morro Pellado C. P. cerrado in foliis *Striphnodendri* Barbatiani. Mart., Juli 1904, n. 1155

Sphaeriaceae.

Physalospora Tibouchinae P. Henn. n. sp.; maculis rotundatis brunneo-fuscis; peritheciis gregariis epiphyllis, erumpente superficialibus, subglobosis vel ovoideis, fuscis, 150—200 μ ; ascis clavatis, vertice rotundatis, 8-sporis, 55—60 × 12—16 μ ; paraphysibus filiformibus, hyalinis, ca. 2 μ crassis; sporis subdistichis oblongis, clavatis vel subfusoides, obtusis, hyalinis, continuis, 15—20 × 4—5 μ .

Serra da Cantareira in foliis *Tibouchinae*. Julio 1905, n. 1312.

Ph. pelladensis P. Henn. n. sp.; maculis rotundatis, rufo-fuscidulis; peritheciis aggregatis rotundato dispositis, hemisphaericis, atris nitentibus, ca. 150 μ ; ascis subovoideis vel subclavatis, 8-sporis, 50—70 × 18—22 μ , paraphysatis, sporis subdistichis vel conglobatis ellipsoideis vel ovoideis, hyalinis, continuis, 10—15 × 7—8 μ .

Morro Pellado in foliis *Melastomataceae*. Julio 1904, n. 1162.

Ph. Machaerii P. Henn. n. sp.; maculis sparse effusis fuscidulis; peritheciis laxe gregariis subhemisphaericis atro-nitentibus, ca. 130 μ diam.; ascis cylindraceuto-clavatis, obtusis, 8-sporis, paraphysatis, 35—40 × 5—6 μ ; sporis late ellipsoideis vel ovoideis, intus granulatis, hyalinis, 8—12 × 6—7 μ .

Serra da Cantareira in foliis *Machaerii* lanati. Mart. 1902, n. 467.

Ph. solanicola P. Henn.; maculis rotundatis, pallido-exaridis; peritheciis laxe gregariis erumpente superficialibus, hemisphaericis atro-nitentibus, ca. 140 μ diam.; ascis clavatis obtusis, 8-sporis, 55—60 × 18—20 μ ; sporis subdistichis, oblongis vel ellipsoideis obtusis intus granulosis, 13—17 × 7—9 μ .

S. Paulo, Capital in foliis *Solani* sp. Mart. 1903, n. 632.

Bertia Puttemansii P. Henn. n. sp.; peritheciis caespitose gregariis ovoideis, atris, subpilosis, 0,4—0,6 μ diam., dein collapsocupulatis; ascis clavatis pedicellatis, vertice obtuso-rotundatis, 55—80 × 10—18 μ , 8-sporis, paraphysatis; sporis subdistichis, oblongis curvulis, utrinque obtusis, medio, 1-septatis haud constrictis, hyalinis, 15—22 × 5—7 μ .

Serra da Cantareira in cortice arboris. Julio 1905, n. 1330.

Anthostoma solanicola P. Henn. n. sp.; peritheciis caespitosis subepidermide fissa nidulantibus conicis vel ovoideis atris ad basim hyphis atrofusis septatis, 3—7 μ crassis circumdatis; ascis clavatis vel oblongis, 8-sporis, 80—110 \times 25—30 μ ; paraphysibus copiosis filiformibus, hyalinis, ca. 2 μ crassis; sporis subdistichis ellipsoideis, atrobrunneis, continuis, 20—30 \times 15—18 μ .

S. Paulo, arredores da Capital in ramis Solani paniculati. Julio 1905, n. 1300, 1301.

Rosellinia perusensis P. Henn. n. sp.; peritheciis plerumque caespitosis, innato-superficialibus, subglobosis, atro-carbonaceis, conico-ostiolatis, ca. 0,6—0,8 μ diam.; ascis cylindraceutis, obtusis, 8-sporis, paraphysatis, 70—80 \times 4—5 μ ; sporis oblique monostichis, ovoideis vel ellipsoideis, atris, 1—2-guttulatis, 6—10 \times 3 $\frac{1}{2}$ —4 $\frac{1}{2}$ μ .

Perú ad lignum decorticatum. Sept. 1905, n. 1392.

Puttemansiella P. Henn. n. gen. Perithecia coriacea superficialia, ostiolata. Ascis clavati octospori paraphysati. Sporae subglobosae vel ellipsoideae coloratae.

P. Desmodii P. Henn. n. sp.; peritheciis superficialibus gregariis saepe confluentibus, coriaceis, subglobosis, ostiolatis dein collabentibus, fulvis, pruinoso-subtomentosulis, 0,5—0,8 μ diam.; ascis clavatis apice rotundatis vel applanatis, 8-sporis, paraphysatis, 70—110 \times 20—30 μ ; sporis subdistichis subglobosis, ellipsoideis vel ovoideis, atrobrunneis, continuis, 20—24 \times 15—20 μ .

Serra da Cantareira in ramulis Desmodii leiocarpí. Julio 1905, n. 1321.

Diplothea Tunae (Spreng.) Starb., Sphaer. imperf. cogn. p. 30.

Rio de Jan., Petropolis in foliis Opuntiae. Junio 1904, n. 1183.

Amphisphaeria Fourcroyae P. Henn. n. sp.; maculis effusis fuscidulis, peritheciis sparsis, innato-superficialibus, subglobosis, ostiolatis, atris, 160—200 μ diam.; ascis cylindraceutis, vertice obtusis, 8-sporis, paraphysatis, 80—100 \times 10—12 μ ; sporis oblique distichis oblongis vel clavatis utrinque obtusis, medio 1-septatis haud constrictis, olivaceo-fuscis, 12—20 \times 5—7 μ .

Rio de Jan., Petropolis in foliis Fourcroyae giganteae. Junio 1904, n. 1182.

Didymosphaeria pachythecae Sacc. et Syd. distincto.

Ophiobolus cantareiensis P. Henn. n. sp.; peritheciis sparsis vel aggregatis, innato-superficialibus conoideo-ovoides, obtuse ostiolatis atris, ca. 0,3—0,4 mm; ascis cylindraceuto-clavatis, apice obtuso-rotundatis, tunicatis, 8-sporis, 100—120 \times 10—15 μ ; paraphysibus copiosis, hyalinis, ca. 2 μ crassis; sporis parallele stipatis, bacillaribus, guttulatis dein pluriseptatis hyalino-fuscidulis, 40—60 \times 4—5 μ .

Serra da Cantareira in ligno putrido. Juli 1905, n. 1333.

Valsaceae.

Eutypa lata (Pers.) Tul., Sel. Fung. Carp. p. 56?

S. Paulo, Capital in caulibus emortuis *Ricini communis*.
Octob. 1904, n. 1202.

Diatrype Baccharidis P. Henn. n. sp.; stromatibus erumpenti superficialibus aggregato-effusis, pulvinato-subconoides atris, ca. 1 mm diam., peritheciis immersis, albidis, subglobois, ostiolatis; ascis clavatis, stipitatis, 8-sporis 50—60 μ , p. sporifer. 30—40 \times 5—6 μ ; sporis subdistichis, allantoideis, 7—11 \times 2—3 $\frac{1}{2}$ μ fuscidulis.

Serra da Cantareira in ramis *Baccharidis*. Julio 1905, n. 1329.

Hypoxylaceae.

Nummularia Glycyrrhiza (B. et C.) Sacc. Syll. I, p. 401.

Osasco in ligno emortuo. Majo 1905, n. 876.

Hypoxylon annulatum (Schwein.) Mont., Syll. Crypt. p. 213.

Perús in ramis emortuis. Sept. 1905, n. 1391.

H. Piptadeniae P. Henn. n. sp.; stromatibus irregulare effusis, atris; peritheciis subglobois, ca. 1 mm diam., disco dilatato, plano, annulato-marginato, ostiolo papilliformi; ascis cylindraceo-clavatis, 8-sporis, paraphysatis, p. sporif. 50—60 \times 5 μ ; sporis oblique monostichis, ellipsoideis, obtusis, atris, 8—10 \times 4—5 μ .

Osasco in ramis emortuis *Piptadeniae communis*. Majo 1905, n. 1293.

Microthyriaceae.

Myiocopron Stigmatostalycis P. Henn. n. sp.; peritheciis gregarie superficialibus atris, scutellato-dimidiatis, poro pertusis, cellulosis, ca. 250—300 μ diam., confluentibus, atro-subcrustaceis; margine fibrosis; ascis clavatis, apice rotundatis, 8-sporis, paraphysatis, 45—60 \times 13—18 μ ; sporis subdistichis, ellipsoideis vel ovoideis; granuloso-farctis, continuis, hyalinis, 8—13 \times 4 $\frac{1}{2}$ —5 $\frac{1}{2}$ μ .

S. Paulo, Capital in pseudobulbis *Stigmatostalycis radicans*. Martio 1903, n. 680.

Asteronia Lauraceae P. Henn. n. sp.; maculis mycelii hypophyllis gregariis, rotundatis, atro-crustaceis; peritheciis aggregatis, globulosis, cellulosis, ca. 150—180 μ diam.; ascis clavatis, apice rotundatis, 8-sporis, 30—35 \times 4—6 μ , paraphysatis; sporis subdistichis oblongis, subfusoides vel clavatis, obtusis, brunneo-fuscis, 6—10 \times 2—3 μ ; hyphis repentibus, radiantibus, ramosis, fuscis, 2—3 μ crassis.

Lontra, Rio Feio in foliis *Lauraceae*. Edwall 1905, n. 1583a, b.

Asterella Puttemansii P. Henn. n. sp.; maculis mycelii epiphyllis rotundatis vel effusis, atro-crustaceis, hyphis repentibus, ramosis, fuscis, ca. 4—5 μ crassis; peritheciis sparsis vel aggregatis,

dimidiato-scutatis, radiato-cellulosis, atris, 140—200 μ diam.; ascis ovoideis, tunicatis, 8-sporis, ca. 50—55 \times 23—25 μ ; sporis subdistichis vel conglobatis, ellipsoideis, medio valde constrictis mox dehiscentibus, ca. 20—22 \times 10—12 μ , cellulis subglobosis, hyalinis, ca. 10—12 μ .

Rio Grande in foliis Myrtaceae. Julio 1904, n. 1193.

Asterina Phoradendri P. Henn. n. sp.; maculis mycelii amphigenis rotundatis atris, hyphis repentibus, atrofuscis, septatis, ca. 3 μ crassis; peritheciis sparsis vel aggregatis dimidiato-scutatis, celluloso-radiatis; ascis ovoideis vel ellipsoideis, apice rotundato-tunicatis, 4—8-sporis, paraphysatis, 50—95 \times 40—50 μ ; sporis ovoideis, medio septatis constrictis, atris, 30—40 \times 20—24 μ .

Morro Pellado, in foliis Phoradendri lanceolato-elliptici. Julio 1904, n. 1110.

A. mandaquiensis P. Henn. n. sp.; maculis mycelii epiphyllis, effusis, atro-crustaceis; hyphis fuscis ramosis, 2—3 $\frac{1}{2}$ μ , conidiis fusoides medio 1-septatis, hyalino-fuscidulis, 10—18 \times 2 $\frac{1}{2}$ —3 μ ; peritheciis sparsis vel gregariis, dimidiato-scutatis, radiato-cellulosis, 200—250 μ ; ascis ovoideis, apice tunicatis, 8-sporis, 35—50 \times 20—30 μ ; sporis ovoideis vel ellipsoideis, obtusis, medio septatis, paulo constrictis, atrofuscis, 20—25 \times 8—10 μ .

Mandaqui, Serra Cantareira in foliis Eugeniae uniflorae. Martio 1903, n. 674.

A. serrensis P. Henn. n. sp.; maculis mycelii epiphyllis fuscidulis, hyphis fuscis, ramosis; peritheciis sparse gregariis, dimidiato-scutatis, radiato-cellulosis, ca. 250—300 μ ; ascis clavatis, apice rotundato-tunicatis, 8-sporis, 80—110 \times 20 μ ; sporis conglobatis, ovoideis, rotundatis, medio septatis, constrictis, cellula superiori granulatis, atrofuscis, 20—26 \times 8—10 μ .

Alto da Serra in foliis Myrtaceae. Aug. 1902, n. 593a.

A. Chrysophylli P. Henn. n. sp.; maculis mycelio epiphyllis, effusis atris, hyphis ramosis atris, 4—7 μ crassis; peritheciis aggregatis, dimidiato-scutatis, radiato-cellulosis, margine fimbriatis, 200—250 μ ; ascis ovoideis, 8-sporis, 50—60 \times 40—45 μ ; sporis ovoideis vel ellipsoideis, medio septatis constrictis, conglobatis, atris, 25—30 \times 12—14 μ .

Serra da Cantareira in foliis Chrysophylli sp. Julio 1905, n. 1332.

Hysteriaceae.

Tryblidiella rufula (Spreng.) Sacc., Syll. II, p. 757.

Morro Pellado in ramis Meliaceae. Julio 1904, n. 912.

Parmularia Styracis Lev., Ann. sc. nat. ser. II, p. 236.

Morro Pellado in foliis Styracis. Julio 1904, n. 1106.

Myriangiaceae.

Cookella parasitica P. Henn., Engl. bot. Jahrb. XXVIII, p. 275.

Morro Pellado in foliis *Styracis* c. *Parmulariae* *Styraci*.
Julio 1904, n. 1106.

Myriangium mirabile P. Henn. in Hedw. 1902, p. 55.

Horto botanico in foliis *Lauraceae*. April 1902, n. 537.

M. Citri P. Henn. n. sp.; stromatibus amphigenis superficialibus, crustaceis, rotundato-angulatis, rugulosis, ca. 1—2 mm diam., atris, loculis subglobosis monoascis; ascis subglobosis vertice tunicatis, 30—45 μ ; 8-sporis, conglobatis ovoideis vel ellipsoideis, rectis vel subcurvulis, ca. 5—7-septatis, muriformibus, hyalinis, 20—24 \times 5—8 μ .

Osasco in foliis *Citri nobilis*. Majo 1905, n. 1292.

Phacidiaceae.

Phacidium? *Parinari* P. Henn. n. sp.; ascomatibus epiphyllis gregarie effusis, innato-superficialibus, atro-nitentibus, primo clausis, dein rimoso-dehiscentibus; ascis paraphysatis, clavatis, apice rotundatis, 8-sporis, 80 \times 7 μ (plerumque immaturis); sporis oblique monostichis oblongis vel ellipsoideis, continuis, hyalinis, ca. 12 \times 6 μ .

Morro Pellado in foliis *Parinari* sp. Julio 1904, n. 1156.

Sphaeropsidaceae.

Phyllosticta *Abutilonis* P. Henn. n. sp.; maculis sparsis, rotundatis, pallidis exaridis, zona brunnea cinctis; peritheciis epiphyllis subgregariis, brunneo-fuscis, lenticularibus, perforatis, 100—120 μ ; conidiis ellipsoideis vel ovoideis, obtusis, continuis, hyalinis, 4 $\frac{1}{2}$ —5 $\frac{1}{2}$ \times 2 $\frac{1}{2}$ —3 $\frac{1}{2}$ μ .

Horto botanico in foliis *Abutilonis*. April 1902, n. 494.

Ph. Rutaceae? P. Henn. n. sp.; maculis rotundatis, pallidis exaridis; peritheciis hypophyllis gregariis, lenticularibus, pertusis, atris, ca. 60—90 μ ; conidiis oblongis, continuis, hyalinis, 8—10 \times 2 $\frac{1}{2}$ —3 μ .

Iponema in foliis *Rutaceae*. April 1903, n. 733.

Ph. capitalensis P. Henn. n. sp.; maculis oblongis pallidis exaridis, zona brunnea cinctis; peritheciis epiphyllis gregariis, subgloboso-lenticularibus, atris, pertusis; conidiis subglobosis vel ellipsoideis, guttulatis, hyalinis, 6—8 \times 5 $\frac{1}{2}$ —6 μ .

S. Paulo, Capital in foliis *Stanhopeae*. April 1903, n. 736.

Ph. Trigoniae P. Henn. n. sp.; maculis sparsis rotundatis, fuscis; peritheciis epiphyllis sparsis, lenticularibus, atris perforatis, ca. 80 μ ; conidiis ovoideis vel ellipsoideis, granulosis, hyalinis, 8—10 \times 6—7 μ .

S. Paulo, Capital in foliis *Trigoniae*. Febr. 1903, n. 650.

Ph. Qualeae Allesch., Hedw. 1897, p. 238.

Iponema, in foliis *Qualeae* sp. Mart. 1903, n. 717.

Ph. *Psychotriae* P. Henn. n. sp.; maculis rotundatis vel effusis, pallidis; peritheciis epiphyllis gregariis, lenticularibus, atris, ca. 60—80 μ ; conidiis ellipsoideis vel oblongis hyalinis, eguttulatis, 5—6 \times 2—2 $\frac{1}{2}$ μ .

Morro Pellado in foliis *Psychotriae*. Julio 1904, n. 1144.

Ph. *paulensis* P. Henn.; maculis rotundatis, ca. 1 mm diam., niveis, exaridis; peritheciis sparsis, lenticularibus, atris pertusis, ca. 80 μ diam.; conidiis subglobosis, 1-guttulatis; hyalinis, 4—5 μ .

S. Paulo, Capital in foliis *Myrtaceae*. April 1905, n. 1259.

Phoma *Psidii* P. Henn. n. sp.; peritheciis fructicolis gregariis, atris, lenticularibus vel globulosis, poro pertusis; conidiis oblongo-ellipsoideis vel ovoideis, 2-guttulatis, 5—6 \times 2 $\frac{1}{2}$ —3 μ , hyalinis.

S. Paulo, Capital in fructibus *Psidii*. Mart. 1905, n. 1233.

Ph. *Terminaliae* P. Henn. n. sp.; peritheciis gregariis fructicolis, pulvinatis, cinereo fuscis, ca. 200—250 μ ; conidiis fusoides, acutiusculis, 2-guttulatis, hyalinis, 5—8 \times 2—3 μ .

Santos in fructibus *Terminaliae* *Catappae*. Jan. 1903, n. 604.

Dendrophoma Myrtaceae P. Henn. n. sp.; maculis rotundatis vel effusis fuscis; peritheciis amphigenis sparsis, lenticularibus vel subglobosis fuscis, 100—180 μ ; conidiophoris filiformibus, paulo ramosis, hyalinis, 8—15 \times 2—2 $\frac{1}{2}$ μ , conidiis ellipsoideis intus granulatis, continuis, hyalinis, 8—10 \times 4—5 μ .

Pirituba beira de cominhos in foliis *Myrtaceae*. Julio 1904, n. 1185.

Cicinnobolus Puttemansii P. Henn. n. sp.; peritheciis ovoideis apice conoideis obtusis, perforatis, olivaceo-fuscidulis membranaceo-reticulatis, 50—80 \times 25—40 μ ; conidiis ellipsoideis vel ovoideis, continuis, hyalinis, 6—8 \times 2 $\frac{1}{2}$ μ .

S. Paulo, Capital in *Oidio* ad *Zinniam elegantem*. Mart. 1905, n. 1255.

Ascochyta Plumeriae P. Henn. n. sp.; maculis fuscidulis effusis, peritheciis epiphyllis gregarie sparsis, lenticularibus, poro pertusis, atris, 60—70 μ ; conidiis ellipsoideis vel ovoideis, medio, 1-septatis, hyalinis, 5—6 \times 3 μ .

S. Paulo, Capital in foliis *Plumeriae* cfr. *Warmingii* in societate *Gloeosporii*. Febr. 1903, n. 620.

Darluca Filum (Biv.) Cast., Cat. Pl. Mars. Supl. p. 53.

Meninos in *Uredine* ad folium *Myrtaceae*. Sept. 1902, n. 600.

Rio Grande in *Uredine* ad folium *Cyperaceae*. Febr. 1903, n. 655.

Sphaeropsis Puttemansii P. Henn. n. sp.; peritheciis gregarie sparsis epidermide tectis fissa dein erumpentibus, hemisphaeric-conodiis, poro perforatis, atris, 120—140 μ ; conidiis oblongis vel clavatis, obtusis, 2-guttulatis, castaneis, 25—40 \times 12—18 μ .

S. Paulo, Capital in foliis *Pini*. April 1905, n. 1258.

Sphaeropsidi Ellisii Sacc. distincta.

Coniothyrium Stanhopeae P. Henn. n. sp.; maculis effusis, pallidis exarescentibus; peritheciis gregariis, hemisphaericis erumpentibus atris, ca. 100—120 μ ; conidiis ellipsoideis, continuis, fuscidulis, $3\frac{1}{2}$ —4 \times 3— $3\frac{1}{2}$ μ .

S. Paulo, Capital in foliis Stanhopeae sp. Dec. 1904, n. 1206.

C. Connari P. Henn. n. sp.; maculis rotundatis pallidis exarescentibus, zona brunnea cinctis, peritheciis sparsis vel gregariis epiphyllis, erumpenti-lenticularibus, atris, poro lato perforatis; conidiis ovoideis vel ellipsoideis, fuscidulis, 4—6 \times $2\frac{1}{2}$ —3 μ .

Morro Pellado in foliis Connari sp. Julio 1904, n. 1143.

C. paulense P. Henn. n. sp.; maculis rotundatis vel effusis pallido-exarescentibus, zona flava cinctis, peritheciis lenticularibus poro perforatis, atris, 130—150 μ ; conidiis ellipsoideis vel ovoideis, fuscobrunneis, 3— $3\frac{1}{2}$ \times $2\frac{1}{2}$ μ .

Eugenio de Mello in foliis Citri. Octob. 1902, n. 549.

Haplosporella Machaerii P. Henn. n. sp.; stromatibus epiphyllis, erumpente superficialibus, gregariis, atro-carbonaceis, rugosis angulatis, loculis immersis; conidiis oblongis vel subfusoides, 10—15 \times 4—5 μ , fuliginis, continuis, conidiophoris brevibus, teretibus, hyalinis.

S. Paulo, Horto botanico in foliis Machaerii. Martio 1902, n. 491.

Stat. conid. ad *Dothideam Machaerii* P. Henn. (= *Cocconia Machaerii* P. Henn.).

Diplodia Cytharexyli P. Henn. n. sp.; peritheciis sparse gregariis erumpentibus, subhemisphaericis, atris; conidiis ellipsoideis, utrinque obtusis, medio 1-septatis vix constrictis, atris, 13—16 \times 7—8 μ .

Serra da Cantareira in ramis Cytharexyli. Julio 1905, n. 1326.

Hendersonia solanicola P. Henn. n. sp.; maculis rotundatis, pallido arescentibus; peritheciis sparsis, lenticularibus, poro pertusis, 180—200 μ , atris; conidiis oblongis vel subclavatis, rotundatis, rectis vel curvulis, 5—7-septatis, brunneis, 15—28 \times 5—6 μ .

S. Paulo, Capital in foliis Solani sp. Febr. 1903, n. 621.

Leptostromataceae.

Leptothyrium cantareirense P. Henn. n. sp.; maculis rotundatis, pallidis; peritheciis amphigenis circulariter dispositis, atris, dimidiato-scutatis, confluentibus, radiato-cellulosis, 60—100 μ ; conidiis ellipsoideis, utrinque rotundatis, 1—2-guttulatis, hyalinis, 6—8 \times $2\frac{1}{2}$ —3 μ .

Serra da Cantareira in foliis Mikaniae sp. Junio 1902, n. 527.

Asterostomella pelladensis P. Henn. n. sp.; maculis mycelii effusis, atris, hyphis repentibus ramosis fuscis, $2\frac{1}{2}$ —3 μ crassis; peritheciis epiphyllis gregariis dimidiato-scutatis, radiato-cellulosis, 60—80 μ ,

fuscis stellulato-dehiscentibus; conidiis ovoideis, intus granulatis, fuliginosis, $15-20 \times 10-13 \mu$, conidiophoris brevibus hyalinis.

Morro Pellado in foliis Malpighiaceae. Julio 1904, n. 1159.

A. paraguayensis Speg., Fl. Guar. I, p. 151.

Serra da Cantareira in foliis Cestri. Julio 1905, n. 1311.

Melanconiaceae.

Gloeosporium Cattleyae P. Henn. n. sp.; acervulis hypophyllis effuso-sparsis, punctoideis, flavidulis dein erumpente nigricantibus, ca. 180μ diam.; conidiis ellipsoideis utrinque rotundatis, hyalinis, nubilosus, $15-22 \times 7-11 \mu$.

S. Paulo, Capital in foliis *Cattleyae* Leopoldii. Jan. 1903, n. 605.

G. Elasticae Cooke et Mass., Grev. XVIII, p. 74.

S. Paulo, Capital in foliis *Fici elasticae*. Junio 1906, n. 1168.

G. fructus Caricae P. Henn. n. sp.; acervulis gregarie effusis primo fulvidis dein nigricantibus, ca. $120-150 \mu$; conidiis oblongo-cylindraceis, utrinque rotundatis, hyalinis, nubilosus, $12-16 \times 4-5 \mu$.

S. Paulo, Capital in fructibus *Fici Caricae*. Febr. 1905, n. 1252.

G. fructus Psidii P. Henn. n. sp.; acervulis gregarii effusis, nigricantibus; conidiis oblongis subfusoides vel clavatis hyalinis nubilosus, $14-20 \times 5-6 \mu$.

S. Paulo, Capital in fructibus *Psidii*. Mart. 1905, n. 1232.

G. Loranthaceae P. Henn. n. sp.; maculis pallidis rotundatis; acervulis sparsis fuscescentibus, ca. $60-90 \mu$; conidiis oblongo-cylindraceis vel clavatis, hyalinis, nubilosus, $10-16 \times 5-6 \mu$.

Rio de Janeiro, Petropolis in foliis *Loranthaceae*. Julio 1904, n. 1178.

G. Echitidis P. Henn. n. sp.; maculis rotundatis, pallidis exaridis; acervulis gregariis epiphyllis nigricantibus, ca. $80-100 \mu$ diam.; conidiis oblongis, cylindraceis vel clavatis, hyalinis, nubilosus, $10-15 \times 5 \mu$.

S. Paulo, Capital in foliis *Echitidis*. Julio 1904, n. 1190.

Colletotrichum Papayae P. Henn. n. sp.; acervulis gregariis innato-erumpentibus atris, ca. $90-160 \mu$, setulis subulatis, atris, simplicibus apice obtusiusculis, $30-45 \times 3\frac{1}{2} \mu$; conidiis oblongo-cylindraceis, rectis vel curvulis, hyalinis, nubilosus, $12-20 \times 5-7 \mu$.

S. Paulo, Capital in ramis petiolisque *Caricae* *Papayae*. Juli 1905, n. 1338.

Pestalozzia Palmarum Cooke, Grev. t. 86, f. 3.

S. Paulo, Capital in foliis *Arecae rubrae*. Febr. 1903, n. 619.

P. elasticola P. Henn.; maculis angulatis dein effusis, pallidis exaridis, zona fusco-brunnea cinctis; acervulis amphigenis sparsis vel gregariis, epidermide pallida velatis, atris; conidiis fusoides 4-septatis, cellulis 2-superioribus cinnamomeis, cellulis 2-inferioribus hyalinis,

14—20 × 7—10 μ , cellula suprema hyalina-papillata triaristata, setulis filiformibus, hyalinis, 10—18 μ longis; stipite 5—10 μ .

S. Paulo, Capital in foliis Fici elasticae. Junio 1904, n. 1169.

P. Elasticae Koord. omnino diversa.

P. Callophylli P. Henn. n. sp.; acervulis amphigenis sparsis vel subgregariis erumpentibus atris, epidermide fissa velatis; conidiis subfusoides, 4-septatis, loculis 3 atris, 13—18 × 6—8 μ , loculis extimis hyalinis, setulis 3 usque ad 20 μ longis, pedicello usque ad 10 μ longo.

Morro Pellado in foliis Callophylli sp. Julio 1904, n. 1133.

P. Sapotae P. Henn. n. sp.; maculis effusis, fuscis; acervulis epiphyllis erumpentibus atris; conidiis fusoides, 4-septatis, loculis 3-atris, ca. 10—14 × 5—6 μ , loculis extimis hyalinis, papillatis, 3-setulis filiformibus, 10—15 μ , pedicello brevi, hyalino.

S. Paulo, Capital in foliis Achrae Sapotae. Mart. 1905, n. 1253.

Mucedinaceae.

Oospora Dothideae P. Henn. n. sp.; caespitulis effusis vel subhemisphaericis, albidis vel isabellinis, ceraceo-farinaceis; hyphis repentibus, septulatis, hyalinis; conidiis subglobosis hyalinis, granulatis, 3½—4 μ .

Horto botanico in Dothideae Machaerii. Mart. 1902, n. 491.

Dematiaceae.

Scolecotrichum Dalbergiae P. Henn. n. sp.; acervulis hypophyllis sparsis, pulvinatis, ochraceis, ca. 1 mm diam.; hyphis brevibus subclavatis ochraceo-brunneis, conidiis oblongo-fusoides, utrinque rotundatis, medio 1-septatis, flavo-brunneis, 40—50 × 7—10 μ .

Morro Pellado in foliis Dalbergiae sp. Julio 1904, n. 1122.

Cercospora incarnata P. Henn. n. sp.; caespitulis hypophyllis effusis in villo nidulantibus incarnatis; hyphis fasciculatis septatis, roseo-fuscidulis, conidiis fusoides vel clavatis, obtusis, 3—6-septatis, carneolis, 20—46 × 4—5 μ .

S. Paulo Capital in foliis Solani sp. Febr. 1903, n. 632.

C. Caladii P. Henn. n. sp.; maculis fuscidulis, caespitulis sparsis rotundatis, atris, hyphis fasciculatis, septatis, fuscis, ca. 2½—3½ μ crassis; conidiis fusoides, subacutis, 3—5-septatis, fuscidulis, 30—50 × 3—4 μ .

S. Paulo, Capital in foliis Caladii sp. Mart. 1902, n. 476.

C. Cybistacis P. Henn. n. sp.; maculis sparsis, rotundatis, pallide fuscidulis; caespitulis hypophyllis, effusis, fuscis, hyphis fasciculatis, fuscidulis, septatis, 2½—3 μ crassis; conidiis longe fusoides, curvulis, pluriguttulatis, 20—60 × 2 μ , fuscidulis.

S. Paulo, Horto botanico in foliis *Cybistaxis antisiphiliticae*.
Junio 1902, n. 506.

C. Zeyrae P. Henn. n. sp.; caespitulis hypophyllis sparsis in villo nidulantibus, atris; hyphis fasciculatis fuscis, ca. 3—4 μ crassis; conidiis fusoides, curvulis, 3—7-septatis subconstrictis, fuscis, 40—60 \times 3 $\frac{1}{2}$ —4 μ .

Morro Pellado in foliis *Zeyra montana*. Julio 1904, n. 1109.

C. Artanthes P. Henn. n. sp.; maculis rotundatis, atrofuscis, sparsis caespitulis epiphyllis, hyphis fasciculatis, septatis fuscis, ca. 3 μ crassis; conidiis fusoides, utrinque rotundatis, 5-septatis subhyalinis, 40—50 \times 2 $\frac{1}{2}$ —3 μ .

Serra da Cantareira in foliis *Artanthes* sp. Martio 1903, n. 678.

C.? *Stachytarphetae* P. Henn. n. sp.; maculis fuscis, rotundatis sparsis; caespitulis hypophyllis fuscis; hyphis fasciculatis septatis, ramosis, fusco-olivaceis; conidiis fusoides utrinque acutis, hyalino-fuliginis, medio 1-septatis, 15—30 \times 3—3 $\frac{1}{2}$ μ .

S. Paulo, Capital in foliis *Stachytarphetae*. Febr. 1903, n. 639.

C. paulensis P. Henn. n. sp.; maculis gregariis, fuscis, rotundatis; caespitulis plerumque hypophyllis olivaceo-fuscis, 1—2 $\frac{1}{2}$ mm diam.; hyphis fasciculatis, clavatis, septatis, olivaceo-fuscis, 10—30 \times 3 $\frac{1}{2}$ —4 μ ; conidiis fusoides vel clavatis, 1—3-septatis, fuscidulis, 20—40 \times 3—4 μ .

Iponema in foliis *Cassiae* sp. April 1903, n. 715.

C. iponemensis P. Henn. n. sp.; maculis sparse gregariis, rotundatis saepe confluentibus, atrobrunneis, caespitulis hypophyllis in villo nidulantibus, fuscis, hyphis brevibus, fasciculatis, fusco-brunneis; conidiis clavatis vel fusoides, 3—5-septatis, subhyalinis, 30—50 \times 3 $\frac{1}{2}$ —4 μ .

Iponema in foliis *Cassiae* sp. April 1903, n. 732.

C. frangulina P. Henn. n. sp.; maculis fuscidulis effusis; caespitulis hypophyllis pulvinatis, ferrugineo-fuscis; hyphis fasciculatis, septatis, brunneis, 4—6 μ crassis; conidiis fusoides vel clavatis, 3—7-septatis vel pluriguttatis, 25—70 \times 4—5 μ , fuscidulis.

Iponema in foliis *Frangulae* sp. April 1903, n. 721.

C. Anonaceae P. Henn. n. sp.; maculis fuscidulis rotundatis vel effusis caespitulis hypophyllis rotundatis sparse gregariis, fuscis; hyphis fasciculatis, septatis fuscidulis usque ad 150 \times 3 $\frac{1}{2}$ μ ; conidiis cylindraco-fusoides, 3—7-septatis, fuscidulis, 15—35 \times 2 $\frac{1}{2}$ —3 $\frac{1}{2}$ μ .

Agua Branca in foliis *Anonaceae*. Majo 1903, n. 738.

Helminthosporium paulense P. Henn. n. sp.; caespitulis amphigenis effusis, atris; hyphis repentibus, septatis, fuscis, 3—4 $\frac{1}{2}$ μ crassis; conidiis fusoides fusco-brunneis, 3-septatis, 15—24 \times 4 μ , pedicello hyalino, ca. 10 \times 2 μ .

S. Paulo, Capital in foliis *Myrtaceae*. April 1905, n. 1260.

H. cantareense P. Henn. n. sp.; caespitulis effusis, velutinis atris, hyphis erectis rigidis, fasciculatis, atris, 7—12 μ crassis; conidiis clavatis, pedicellatis apice rotundatis, atrobrunneis, 6—8-septatis, constrictiusculis, 50—60 \times 8—12 μ .

Serra da Cantareira in ramis emortuis. Julio 1905, n. 1334.

Cryptocoryneum Bombacis P. Henn. n. sp.; caespitulis hypophyllis gregariis, atris; conidiis glomerato-fasciculatis cylindraceis, rectis vel curvulis, utrinque rotundatis, atrofusis, 4—8-septatis, 25—44 \times 6—7 μ .

Morro Pellado in foliis Bombacis. Julio 1904, n. 1123.

Macrosporium leguminis Phaseoli P. Henn. n. sp.; caespitulis effusis atris; hyphis fasciculatis simplicibus, pluriseptatis, atris, ca. 200 \times 4—8 μ ; conidiis clavatis apice rotundatis, 3—7-septatis, clathratis, fusco-atris, 20—35 \times 10—15 μ .

S. Paulo, Capital in leguminibus Phaseoli lunati. Mart. 1905 n. 1243.

Stilbaceae.

Stilbella Melastomataceae P. Henn. n. sp.; epiphyllum sparsum vel gregarium album, ca. 0,5 mm longis; stipitibus teretis ad basim incrassatis, hyalinis, ca. 300—400 μ longis, 40 μ crassis, capitulis clavatis, apice rotundatis, 60—70 μ crassis, conidiis fusoides, rectis intus granulatis, hyalinis, 10—15 \times 2—2 $\frac{1}{2}$ μ .

Morro Pellado in foliis Melastomataceae in societate Physalosporae pelladensis. Julio 1904, n. 1162.

Tuberculariaceae.

Bactridiopsis Phoradendri P. Henn. n. sp.; sporodochiis amphigenis gregariis, pulvinatis vel subhemisphaericis, flavidis vel aurantiacis cinerescentibus, granulato-verruculosus, ca. 0,5—0,8 mm diam., saepe confluentibus, hyphis subimmersis, septatis, constrictis, hyalinis, 3—4 $\frac{1}{2}$ μ crassis; conidiophoris teretibus, hyalinis, 20—30 \times 8—12 μ ; conidiis acrogenis clavatis, obtusis, continuis, 40—80 \times 15—20 μ , intus nubilosis, hyalino-flavidulis.

Ressaca in foliis coriaceis vivis Phoradendri sp. Junio 1904, n. 1189.

Isariella P. Henn. n. gen.; sporodochia parasitica, superficialia, fasciculata-fasciata, ceracea ex hyphis hyalinis septatis, convergentibus laxe conflata. Conidia ellipsoidea, continua, hyalina.

I. Auerswaldiae P. Henn. n. sp.; sporodochiis subceraceis superficialibus gregarie fasciculatis, subfasciatis, subramosis, albidis, ca. 1 mm longis, hyphis saepe convergentibus laxe conflatis vel subliberis, ramosis, septatis, denticulatis, hyalinis, ca. 4—7 μ crassis; conidiis acrogenis vel pleurogenis?, ellipsoideis, hyalinis, ca. 6 \times 4 μ .

S. Paulo, Horto botanico in stromatibus *Auerswaldiae* *Puttemansiae* P. Henn. ad folia *Lauraceae*. 1902, n. 571.

Fusarium baccharidicola P. Henn. n. sp.; sporochiis gregarie erumpentibus, subceraceis, clavulatis, spathulatis vel subcupulatis, coccineis; hyphis dense fasciculatis hyalinis vel flavidis, 2—3 μ crassis, simplicibus; conidiis fusoides, curvulis utrinque acutis pluriseptatis (ca. 10—14), hyalinis, 60—90 \times 4—6 μ .

Pirutuba in ramulis *Baccharidis dracunculifoliae* in societate *Cochenillae*. Junio 1905, n. 1274.

Epicoccum neglectum Desm., Ann. sc. nat. XVII, p. 95.

S. Paulo, Capital in foliis *Oryzae sativae*. Mart. 1905, n. 1247.

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