

# Fungi S. Paulenses IV<sup>1)</sup>

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 Rhapaneae* 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.

<sup>1)</sup> 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, fuscidulo; sporis subglobois vel late ellipsoideis, 1-guttulatis, laevibus, flavido-fuscidulis,  $4\frac{1}{2}$ — $6 \times 4$ — $5 \mu$ .

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,  $20$ — $25 \times 10$ — $14 \mu$ ; sporis ellipsoideis, obtusis, hyalinis,  $7$ — $10 \times 4$ — $5 \mu$ .

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,  $70$ — $90 \mu$  diam.; ascis clavatis, apice rotundatis tunicatis, 8-sporis, paraphysatis,  $30$ — $40 \times 14$ — $20 \mu$ ; sporis subdistichis ovoideis, hyalinis, medio septatis,  $12$ — $14 \times 5$ — $6 \mu$ .

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.  $60$ — $90 \mu$ , hyphis atrofusis, ca.  $3 \mu$  crassis apice palmato-ramosis; ascis clavatis, apice rotundatis tunicatis, 8-sporis paraphysatis,  $35$ — $53 \times 10$ — $12 \mu$ ; sporis subdistichis ovoideis, 1-septatis constrictis, hyalinis,  $10$ — $12 \times 4$ — $4\frac{1}{2} \mu$ .

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,  $3$ — $8 \mu$  crassis radiantibus, conidiis oblongo-cylindraccis vel clavatis, brunneis, medio 1-septatis,  $40$ — $60 \times 8$ — $10 \mu$ ; peritheciis caespitosis globulosis, atrofusis, cellulosis, ca.  $150$ — $200 \mu$ ; 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-ovoideis 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  $\mu$  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  $\mu$  longis p. sporif. 60—70  $\times$  15—25  $\mu$ ; sporis subdistichis, oblongo-ellipsoideis, hyalinis, continuis, 16—18  $\times$  6—7  $\mu$ .

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 cylindraneo-clavatis, obtusis, paraphysatis, 8-sporis, 70—90  $\times$  8—12  $\mu$ ; sporis oblique monostichis, oblongis, hyalinis continuis (immaturis), 12—15  $\times$  4—5  $\mu$ .

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  $\mu$ ; 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, ostioliis vix prominulis; ascis clavatis, obtusis, 8-sporis, 60—80  $\times$  10—20  $\mu$ ; sporis subdistichis, fusoides, curvulis, hyalinis, intus granulosus, continuis, 17—20  $\times$  5—7  $\mu$ .

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  $\mu$  longis, p. sporif. 80—90  $\times$  9—11  $\mu$ ; sporis oblique monostichis, ellipsoideis, continuis, hyalinis, 12—18  $\times$  6—7  $\mu$ .

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  $\mu$ ; sporis oblique monostichis vel distichis subfusoides vel ovoideis hyalinis, continuis nubilosis, 12—17  $\times$  5—6  $\mu$ .

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 cylindraneo-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 Panici. 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  $\mu$ , paraphysatis; sporis, oblique monostichis vel distichis oblongo-fusoides vel clavatis hyalinis continuis dein medio, 1-septatis, 18—24  $\times$  5—7  $\mu$ .

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-superficialis, atris, verrucoso-rugulosis, 1—2 mm diam.; loculis immersis, verrucoso-ostiolatis, rotundatis, ca. 180  $\mu$  diam.; ascis clavatis, obtuso-rotundatis, paraphysatis, 8-sporis, 70—90  $\times$  15—20  $\mu$ ; sporis subtristichis, oblongo-fusoides vel clavatis, obtusis, hyalinis, medio, 1-septatis, 22—27  $\times$  5—6  $\mu$ .

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  $\mu$ ; sporis oblique monostichis ellipsoideis utrinque rotundatis, medio 1-septatis, constrictis, fuscis, 9—10 × 4—5  $\mu$ .

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  $\mu$ ; ascis clavatis, vertice rotundatis, 8-sporis, 55—60 × 12—16  $\mu$ ; paraphysibus filiformibus, hyalinis, ca. 2  $\mu$  crassis; sporis subdistichis oblongis, clavatis vel subfusoides, obtusis, hyalinis, continuis, 15—20 × 4—5  $\mu$ .

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  $\mu$ ; ascis subovoideis vel subclavatis, 8-sporis, 50—70 × 18—22  $\mu$ , paraphysatis, sporis subdistichis vel conglobatis ellipsoideis vel ovoideis, hyalinis, continuis, 10—15 × 7—8  $\mu$ .

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  $\mu$  diam.; ascis cylindraceuto-clavatis, obtusis, 8-sporis, paraphysatis, 35—40 × 5—6  $\mu$ ; sporis late ellipsoideis vel ovoideis, intus granulatis, hyalinis, 8—12 × 6—7  $\mu$ .

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  $\mu$  diam.; ascis clavatis obtusis, 8-sporis, 55—60 × 18—20  $\mu$ ; sporis subdistichis, oblongis vel ellipsoideis obtusis intus granulosis, 13—17 × 7—9  $\mu$ .

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  $\mu$  diam., dein collapsocupulatis; ascis clavatis pedicellatis, vertice obtuso-rotundatis, 55—80 × 10—18  $\mu$ , 8-sporis, paraphysatis; sporis subdistichis, oblongis curvulis, utrinque obtusis, medio, 1-septatis haud constrictis, hyalinis, 15—22 × 5—7  $\mu$ .

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  $\mu$  crassis circumdatis; ascis clavatis vel oblongis, 8-sporis, 80—110  $\times$  25—30  $\mu$ ; paraphysibus copiosis filiformibus, hyalinis, ca. 2  $\mu$  crassis; sporis subdistichis ellipsoideis, atrobrunneis, continuis, 20—30  $\times$  15—18  $\mu$ .

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  $\mu$  diam.; ascis cylindraceutis, obtusis, 8-sporis, paraphysatis, 70—80  $\times$  4—5  $\mu$ ; sporis oblique monostichis, ovoideis vel ellipsoideis, atris, 1—2-guttulatis, 6—10  $\times$  3 $\frac{1}{2}$ —4 $\frac{1}{2}$   $\mu$ .

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

*Puttemansiella* P. Henn. n. gen. Perithecia coriacea superficialia, ostiolata. Ascis clavatis 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-subtomentosis, 0,5—0,8  $\mu$  diam.; ascis clavatis apice rotundatis vel applanatis, 8-sporis, paraphysatis, 70—110  $\times$  20—30  $\mu$ ; sporis subdistichis subglobosis, ellipsoideis vel ovoideis, atrobrunneis, continuis, 20—24  $\times$  15—20  $\mu$ .

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  $\mu$  diam.; ascis cylindraceutis, vertice obtusis, 8-sporis, paraphysatis, 80—100  $\times$  10—12  $\mu$ ; sporis oblique distichis oblongis vel clavatis utrinque obtusis, medio 1-septatis haud constrictis, olivaceo-fuscis, 12—20  $\times$  5—7  $\mu$ .

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 cylindraceutis-clavatis, apice obtuso-rotundatis, tunicatis, 8-sporis, 100—120  $\times$  10—15  $\mu$ ; paraphysibus copiosis, hyalinis, ca. 2  $\mu$  crassis; sporis parallele stipatis, bacillaribus, guttulatis dein pluriseptatis hyalino-fuscidulis, 40—60  $\times$  4—5  $\mu$ .

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, subglobosis, ostiolatis; ascis clavatis, stipitatis, 8-sporis 50—60  $\mu$ , p. sporifer. 30—40  $\times$  5—6  $\mu$ ; sporis subdistichis, allantoideis, 7—11  $\times$  2—3 $\frac{1}{2}$   $\mu$  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 subglobosis, ca. 1 mm diam., disco dilatato, plano, annulato-marginato, ostiolo papilliformi; ascis cylindraceo-clavatis, 8-sporis, paraphysatis, p. sporif. 50—60  $\times$  5  $\mu$ ; sporis oblique monostichis, ellipsoideis, obtusis, atris, 8—10  $\times$  4—5  $\mu$ .

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  $\mu$  diam., confluentibus, atro-subcrustaceis; margine fibrosis; ascis clavatis, apice rotundatis, 8-sporis, paraphysatis, 45—60  $\times$  13—18  $\mu$ ; sporis subdistichis, ellipsoideis vel ovoideis; granuloso-farctis, continuis, hyalinis, 8—13  $\times$  4 $\frac{1}{2}$ —5 $\frac{1}{2}$   $\mu$ .

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  $\mu$  diam.; ascis clavatis, apice rotundatis, 8-sporis, 30—35  $\times$  4—6  $\mu$ , paraphysatis; sporis subdistichis oblongis, subfusoides vel clavatis, obtusis, brunneo-fuscis, 6—10  $\times$  2—3  $\mu$ ; hyphis repentibus, radiantibus, ramosis, fuscis, 2—3  $\mu$  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  $\mu$  crassis; peritheciis sparsis vel aggregatis,

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

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  $\mu$  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  $\mu$ ; sporis ovoideis, medio septatis constrictis, atris, 30—40  $\times$  20—24  $\mu$ .

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 $\frac{1}{2}$   $\mu$ , conidiis fusoides medio 1-septatis, hyalino-fuscidulis, 10—18  $\times$  2 $\frac{1}{2}$ —3  $\mu$ ; peritheciis sparsis vel gregariis, dimidiato-scutatis, radiato-cellulosis, 200—250  $\mu$ ; ascis ovoideis, apice tunicatis, 8-sporis, 35—50  $\times$  20—30  $\mu$ ; sporis ovoideis vel ellipsoideis, obtusis, medio septatis, paulo constrictis, atrofuscis, 20—25  $\times$  8—10  $\mu$ .

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  $\mu$ ; ascis clavatis, apice rotundato-tunicatis, 8-sporis, 80—110  $\times$  20  $\mu$ ; sporis conglobatis, ovoideis, rotundatis, medio septatis, constrictis, cellula superiori granulatis, atrofuscis, 20—26  $\times$  8—10  $\mu$ .

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  $\mu$  crassis; peritheciis aggregatis, dimidiato-scutatis, radiato-cellulosis, margine fimbriatis, 200—250  $\mu$ ; ascis ovoideis, 8-sporis, 50—60  $\times$  40—45  $\mu$ ; sporis ovoideis vel ellipsoideis, medio septatis constrictis, conglobatis, atris, 25—30  $\times$  12—14  $\mu$ .

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  $\mu$ ; 8-sporis, conglobatis ovoideis vel ellipsoideis, rectis vel subcurvulis, ca. 5—7-septatis, muriformibus, hyalinis, 20—24  $\times$  5—8  $\mu$ .

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  $\mu$  (plerumque immaturis); sporis oblique monostichis oblongis vel ellipsoideis, continuis, hyalinis, ca. 12  $\times$  6  $\mu$ .

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  $\mu$ ; conidiis ellipsoideis vel ovoideis, obtusis, continuis, hyalinis, 4 $\frac{1}{2}$ —5 $\frac{1}{2}$   $\times$  2 $\frac{1}{2}$ —3 $\frac{1}{2}$   $\mu$ .

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  $\mu$ ; conidiis oblongis, continuis, hyalinis, 8—10  $\times$  2 $\frac{1}{2}$ —3  $\mu$ .

*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  $\mu$ .

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  $\mu$ ; conidiis ovoideis vel ellipsoideis, granulosis, hyalinis, 8—10  $\times$  6—7  $\mu$ .

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  $\mu$ ; conidiis ellipsoideis vel oblongis hyalinis, eguttulatis, 5—6  $\times$  2—2 $\frac{1}{2}$   $\mu$ .

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  $\mu$  diam.; conidiis subglobosis, 1-guttulatis; hyalinis, 4—5  $\mu$ .

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  $\mu$ , 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  $\mu$ ; conidiis fusoides, acutiusculis, 2-guttulatis, hyalinis, 5—8  $\times$  2—3  $\mu$ .

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  $\mu$ ; conidiophoris filiformibus, paulo ramosis, hyalinis, 8—15  $\times$  2—2 $\frac{1}{2}$   $\mu$ , conidiis ellipsoideis intus granulatis, continuis, hyalinis, 8—10  $\times$  4—5  $\mu$ .

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  $\mu$ ; conidiis ellipsoideis vel ovoideis, continuis, hyalinis, 6—8  $\times$  2 $\frac{1}{2}$   $\mu$ .

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  $\mu$ ; conidiis ellipsoideis vel ovoideis, medio, 1-septatis, hyalinis, 5—6  $\times$  3  $\mu$ .

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  $\mu$ ; conidiis oblongis vel clavatis, obtusis, 2-guttulatis, castaneis, 25—40  $\times$  12—18  $\mu$ .

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  $\mu$ ; conidiis ellipsoideis, continuis, fuscidulis,  $3\frac{1}{2}$ —4  $\times$  3— $3\frac{1}{2}$   $\mu$ .

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  $\mu$ .

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  $\mu$ ; conidiis ellipsoideis vel ovoideis, fuscobrunneis, 3— $3\frac{1}{2}$   $\times$   $2\frac{1}{2}$   $\mu$ .

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 subfusoideis, 10—15  $\times$  4—5  $\mu$ , 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  $\mu$ .

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  $\mu$ , atris; conidiis oblongis vel subclavatis, rotundatis, rectis vel curvulis, 5—7-septatis, brunneis, 15—28  $\times$  5—6  $\mu$ .

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  $\mu$ ; conidiis ellipsoideis, utrinque rotundatis, 1—2-guttulatis, hyalinis, 6—8  $\times$   $2\frac{1}{2}$ —3  $\mu$ .

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  $\mu$  crassis; peritheciis epiphyllis gregariis dimidiato-scutatis, radiato-cellulosis, 60—80  $\mu$ ,

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.  $180 \mu$  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. *elastica* 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  $\mu$ , cellula suprema hyalina-papillata triaristata, setulis filiformibus, hyalinis, 10—18  $\mu$  longis; stipite 5—10  $\mu$ .

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  $\mu$ , loculis extimis hyalinis, setulis 3 usque ad 20  $\mu$  longis, pedicello usque ad 10  $\mu$  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  $\mu$ , loculis extimis hyalinis, papillatis, 3-setulis filiformibus, 10—15  $\mu$ , 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  $\mu$ .

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  $\mu$ .

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  $\mu$ .

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  $\mu$  crassis; conidiis fusoides, subacutis, 3—5-septatis, fuscidulis, 30—50 × 3—4  $\mu$ .

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  $\mu$  crassis; conidiis longe fusoides, curvulis, pluriguttulatis, 20—60 × 2  $\mu$ , 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  $\mu$  crassis; conidiis fusoides, curvulis, 3—7-septatis subconstrictis, fuscis, 40—60  $\times$  3 $\frac{1}{2}$ —4  $\mu$ .

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  $\mu$  crassis; conidiis fusoides, utrinque rotundatis, 5-septatis subhyalinis, 40—50  $\times$  2 $\frac{1}{2}$ —3  $\mu$ .

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 $\frac{1}{2}$   $\mu$ .

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  $\mu$ ; conidiis fusoides vel clavatis, 1—3-septatis, fuscidulis, 20—40  $\times$  3—4  $\mu$ .

*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  $\mu$ .

*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  $\mu$  crassis; conidiis fusoides vel clavatis, 3—7-septatis vel pluriguttatis, 25—70  $\times$  4—5  $\mu$ , 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 $\frac{1}{2}$   $\mu$ ; conidiis cylindraceo-fusoides, 3—7-septatis, fuscidulis, 15—35  $\times$  2 $\frac{1}{2}$ —3 $\frac{1}{2}$   $\mu$ .

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 $\frac{1}{2}$   $\mu$  crassis; conidiis fusoides fusco-brunneis, 3-septatis, 15—24  $\times$  4  $\mu$ , pedicello hyalino, ca. 10  $\times$  2  $\mu$ .

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  $\mu$  crassis; conidiis clavatis, pedicellatis apice rotundatis, atrobrunneis, 6—8-septatis, constrictiusculis, 50—60  $\times$  8—12  $\mu$ .

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  $\mu$ .

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  $\mu$ ; conidiis clavatis apice rotundatis, 3—7-septatis, clathratis, fusco-atris, 20—35  $\times$  10—15  $\mu$ .

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  $\mu$  longis, 40  $\mu$  crassis, capitulis clavatis, apice rotundatis, 60—70  $\mu$  crassis, conidiis fusoides, rectis intus granulatis, hyalinis, 10—15  $\times$  2—2 $\frac{1}{2}$   $\mu$ .

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-verruculosis, ca. 0,5—0,8 mm diam., saepe confluentibus, hyphis subimmersis, septatis, constrictis, hyalinis, 3—4 $\frac{1}{2}$   $\mu$  crassis; conidiophoris teretibus, hyalinis, 20—30  $\times$  8—12  $\mu$ ; conidiis acrogenis clavatis, obtusis, continuis, 40—80  $\times$  15—20  $\mu$ , 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  $\mu$  crassis; conidiis acrogenis vel pleurogenis?, ellipsoideis, hyalinis, ca. 6  $\times$  4  $\mu$ .

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  $\mu$  crassis, simplicibus; conidiis fusoides, curvulis utrinque acutis pluriseptatis (ca. 10—14), hyalinis, 60—90  $\times$  4—6  $\mu$ .

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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