

Fungi philippinenses I.

Autore P. Henning.

Ustilaginaceae.

Sphacelotheca Hydropiperis (Schum.) De Bary, Vergl. Morph. Pilze 1884, p. 187.

Luzon, Prov. Benguet, Pauai in flor. Polygoni sp. Octob.-Nov. 1905 (Merrill. n. 4962).

Cintractia axillaris (Berk.) Cornu in Ann. sc. nat. Bot. VI, p. 279.

Luzon, Bulacan in axill. *Fimbristylis*. Aug. 1906 (A. E. Yoder).

C. Merrillii P. Henn. n. sp.; soris ovaria destruentibus efformantibusque, subglobosis, duris, compactis, fusco-olivaceis, filis rigidis, flexuosis pallide olivaceis echiniforme asperatis; sporis subglobosis vel ellipsoideis angulatis; $7-10 \times 6-9 \mu$, episporio olivaceo, ca. 2μ crasso, radiato-striatulo.

Luzon, Prov. Benguet, Pauai 6800 fs. in ovariis *Caricis* sp. (Merrill. n. 4915).

C. Cyperi polystachyi P. Henn. n. sp.; soris oblonge effusis atris, primo tectis, compactis e pedunculis tumentibus; sporis subglobosis vel ellipsoideis angulatis, pluriguttulatis, $7-11 \times 6-9 \mu$, episporio fusco-olivaceo, ca. $0,5 \mu$ crasso, laevi.

Manila, in pedunculis *Cyperi polystachyi*. Aug. 1906 (Merrill. n. 5195).

Tuberculina persicina (Dittm.) Sacc., Fg. ital. t. 964.

Banton Island in Aecidio ad *Hewittiam bicolorum*. Juli 1905 (Merrill. n. 4164).

Uredinaceae.

Uromyces Hewittiae Syd. in Ann. mycol. IV, p. 30.

Banton Island, Aecidia in foliis *Hewittiae bicoloris*. Juli 1903 (Merrill. n. 4164).

Puccinia purpurea Cooke in Grev. V (1876), p. 15.

Mindanao, Camp Keithly, Lake Lanao in foliis *Sorghum halepensis*. Juni 1906 (Clemens n. A.).

P. rufipes Diet. in Engl. bot. Jahrb. XXXII (1902), p. 48.

Manila in foliis Imperatae arundinaceae. Dec. 1903 (Cope-land n. 44).

P. Merrillii P. Henn. n. sp.; maculis rotundatis, fuscidulis zona rufobrunnea cinctis; teleutosoris hypophyllis circinnatim dispositis, firmis, ferrugineis; teleutosporis oblongis apice haud incrassatis, rotundatis interdum cristulatis, medio septatis paulo constrictis, citrinis vel subaurantiacis, laevibus, $35-60 \times 17-21 \mu$; pedicello medio inflato, longitudinaliter obscuriori subsulcato, flavido, $50-80 \times 20-25 \mu$.

Mindero Mt. Halcon in foliis Smilacis vicariac Kth. Nov. 1906 (Merrill. n. 6151).

P. Thwaitei Berk. in Journ. Linn. soc. 1873.

Luzon, Prov. Bataan et Palmas Island, in foliis Justiciae gendarussae. Octob. 1903 et 1906 (Merrill. n. 3552 et 5345).

P. heterospora Berk. et Curt. in Journ. of Linn. soc. X, p. 356.

Luzon, Prov. Rizal, in foliis Sidae mysorensis. Jan. 1906 (Foxwothy n. 118).

Hemileia vastatrix Berk. et Br. in Gard. Chron. 1869.

Luzon, Prov. Benguet, Bagnio in Coffea arabica. Octob. 1905.

Mindanao, Prov. Zamboanga, in Coffea arabica. Octob. 1906 (Merrill. n. 4913, 5471).

Coleosporium Merrillii P. Henn. n. sp.; maculis fuscis effusis, uredosoris hypophyllis, sparse gregariis, pulvinatis epidemide flavido tectis dein velatis; uredosporis subglobosis vel ellipsoideis, flavofuscidulis vel hyalinescentibus dense verrucosis, $13-25 \times 10-20 \mu$; teleutosoris hypophyllis gregariis, compactis, ceraceis, rufobrunneis, rotundato- vel oblonge pulvinatis; teleutosporis clavatis vertice rotundatis, 3-septatis haud constrictis pallidis, $50-100 \times 17-25 \mu$.

Luzon, Prov. Benguet, Bagnio in foliis Orchidaceae. Octob. 1905 (Merrill. n. 4906).

C. Bletiae Diet. affinis sed uredosporis distinctum.

Uredo philippinensis Sydow in Ann. mycol. 1906, p. 32.

Manila in foliis Cyperi polystachyi. Dec. 1903 (Cope-land n. 43).

U. Rostrupii P. Henn. in Hedw. 1903 n. nom.

Panay, Hoilo in foliis Fuirenæ glomeratae. Jan. 1904 (Cope-land n. 84).

(*U. Fuirenæ* Rostr. 1902, *U. Fuirenæ* P. Henn. Hedw. 1899, p. 70.)

U. Arthraxonis ciliaris P. Henn. n. sp.; maculis flavidis oblongis effusis; uredosoris hypophyllis, oblongis interdum striiformibus flavobrunneolis, epidermide pallida fissa velatis; uredosporis subglobosis vel ellipsoideis interdum ovoideis, flavobrunneis, minute

aculatis, 16—25 × 10—22 μ , paraphysibus clavatis, flavidobrunneis, saepe curvulis, 30—60 × 10—30 μ .

Luzon, Prov. Benguet, Kabayan in foliis *Arthraxonis ciliaris*. Octob.-Nov. 1905 (Merrill. n. 4949).

U. *Castaneae* P. Henn. n. sp.; maculis rotundatis vel effusis, fuscidulis; soris hypophyllis gregariis minutis, farinosis, epidermide fissa velatis; uredosporis ovoideis vel ellipsoideis, flavidohyalinis, echinatis, 12—20 × 8—12 μ .

Luzon, Lepanto, Balili in foliis *Castaneae vulgaris* cult. Nov. 1905 (Merrill. n. 4874). (Vix *Pucciniastrum Castaneae* Diet.)

U. *Knoxiae* P. Henn. n. sp.; maculis fuscidulis vel indeterminatis, soris hypophyllis sparsis vel gregariis rotundato-pulvinatis pallidis, farinosis; uredosporis subglobosis, ellipsoideis vel ovoideis, granulato-verrucosis, flavo-hyalinescensibus, 13—20 × 10—15 μ .

Luzon, Prov. Benguet, Bued River in foliis *Knoxiae corymbosae*. Octob.-Nov. 1905 (Merrill. n. 4970).

U. *Wedeliae biflorae* Syd., Ann. mycol. 1905, p. 30.

Samar, Lamang in foliis *Wedeliae biflorae*. Octob. 1906 (Merrill. n. 5230).

U. *Fici Cast.* Cat. pl. Mars. II, p. 87?

Balut Island in foliis *Fici minahassae* Miq. in societ. *Phyllochorae*. Octob. 1906 (Merrill. n. 5422).

U. *Abri* P. Henn. n. sp.; maculis fuscidulis effusis; soris hypophyllis gregarie sparsis minutis, ferrugineis, epidermide fissa velatis; uredosporis subglobosis vel ellipsoideis, verrucosis, brunneis, 15—20 × 13—18 μ ; paraphysibus clavatis, apice brunneis incrassatis, 30—60 × 8—12 μ .

Panay, Hoilo in foliis *Abri prectorii*. Jan. 1904 (Copeland n. 87).

(U. *Kaernbachii* P. Henn. distincta.)

Aecidium *Kaernbachii* P. Henn. in Engl. bot. Jahrb. XV, p. 5.

Manila, Luzon, Samar in *Ipomaea* sp. Dec. 1903, Octob. 1905, Octob. 1906 (Copeland n. 46, Merrill. n. 4893, 5227).

Aec. *Clerodendri* P. Henn. in Engl. bot. Jahrb. XV, p. 6.

Luzon, San Isidro in foliis *Clerodendri colamatosi*. Sept. 1905 (Merrill. n. 4198).

Aec. *Pluchaeae* P. Henn. n. sp.; maculis fuscis, rotundatis; aecidiis hypophyllis sparsis, pseudoperidiis sparsis vel aggregatis cupulatis, pallidis, margine fimbriatis, contextu cellulis polyedricis hyalino-fuscidulis, reticulatis; aecidosporis subgloboso-angulatis, 14—25 μ , hyalino-fuscidulis.

Panay, Hoilo in foliis *Pluchaeae indicae*. Jan. 1904 (Copeland n. 88, 89).

Aec. *Blumeae* P. Henn. n. sp.; maculis rotundatis vel effusis, flavo-brunneis; aecidiis hypophyllis in villo nidulantibus, sparsis vel

gregariis, pallidis, cupulatis margine fimbriatis contextu cellulis polyedricis reticulatis; aecidiosporis subgloboso-angulatis, laevibus, subhyalinis, 10—15 μ .

Luzon, Lepanto, Cervantes to Mancayan in foliis Blumeae balsamiferae. Nov. 1905 (Merrill. n. 4938).

Aec. *Uvariae rufae* P. Henn. n. sp.; maculis rotundatis rufo-brunneis margine flavo-fuscidulis, spermagoneis punctiformibus atris; aecidiis hypophyllis sparse gregariis, cupulatis, flavidio-fuscidulis, cellulis contextu polyedricis reticulatis; aecidiosporis subglobosis, angulatis, hyalino-fuscidulis, 15—18 μ .

Luzon, Maragondong Cavite in foliis *Uvariae rufae*. Juli 1905 (Merrill. n. D.).

Perisporiaceae.

Parodiella puncta (Cooke) Sacc., Syll. I, p. 718.

Luzon, Prov. Benguet, in foliis *Crotulariac* sp. et *Smithiae ciliatae*. Octob.-Nov. 1905 (Merrill. n. 4948, 4969).

Dimerosporium mindanaense P. Henn. n. sp.; maculis mycelii effusis, atris, hyphis repentibus ramosis, fuscis in societate Meliolae; peritheciis subglobosis, atro-cellulosis, 60—80 μ diam.; ascis clavatis, obtusis, paraphysatis, 8-sporis, 22—30 \times 8—10 μ ; sporis subdistichis ovoideis, 1-septatis, constrictis hyalinis, 9—12 \times 3 μ .

Mindanao, Davao in foliis *Eugeniae* sp. Mart. 1904 (Copeland n. 312).

Meliola cfr. *amphitricha* Fries, Elench. Fung. II, p. 109.

Luzon, Prov. Benguet, Bued River in foliis *Viburni odoratissimi*. Octob.-Nov. 1905 (Merrill. n. 4960).

Hypocreaceae.

Megalonectria pseudotrichia (Schw.) Speg., Fung. Arg., Pag. IV., n. 211.

Luzon, Prov. Rizal et Panay, Conidia in ramulis siccis *Pithecolobii dulcis*. Jan. 1904 und 1906. (Copeland, Foxworthy n. 14.)

Monila, in ramulis emortuis *Hibisci rosae-sinensis*. Juli 1905 (Merrill. n. 4116).

Calonectria Copelandii P. Henn. n. sp.; peritheciis hypophyllis sparsis vel subgregariis, sphaeroideis papillatis dein collapsis, aurantiacis, 200—250 μ ; ascis fusoideis vel clavatis saepe curvulis, apice acutiusculis, 8-sporis, 40—60 \times 10—14 μ ; sporis oblique monostichis vel subdistichis, cylindraceo-fusoideis, hyalinis, 7-septatis, 20—26 \times 4—4 $\frac{1}{2}$ μ .

Mindanao, Santa Cruz in foliis Orchidaceae 1316. April 1904 (Copeland n. 1317).

Hypocrella Schizostachyii P. Henn. n. sp.; stromatibus hemisphaerico-tuberosis, carnosolignosis duris, botryose verrucosis, cinereo-testaceis, intus subaurantiacis ca. 1 $\frac{1}{2}$ —2 cm diam.; peritheciis

immersis ovoideis, ostiolis punctiforme-prominulis, rufobrunneis; ascis cylindraceis, vertice hemisphaerico-rotundatis, 8-sporis, $100 - 160 \times 6 - 8 \mu$; sporis filiformibus pluriseptatis, mox in asco secedentibus, cellulis cylindraceis, $5 - 8 \times 1\frac{1}{2} - 2 \mu$, hyalinis.

Luzon, Prov. Rizal, in ramulis vivis *Schizostachyi* spec.

Jan. 1906 (F. W. Foxworthy n. 46).

Dothideaceae.

Phyllachora cfr. *graminis* (Pers.) Fuck., Symb. myc. p. 216.

Manila, in foliis *Andropogonis* Sorghi. Mart. 1906 (Merrill. n. 5156).

(*Perithecia immatura*.)

Ph. *Kärnbachii* P. Henn. in Engl. bot. Jahrb. XVIII (1894), p. 39.

Mindoro, Bulalacao et Mt. Halcon in foliis *Fici* sp. n. 927 et *Fici heterophyllae*. April 1903, Nov. 1905 (Merrill. n. 3579, 5625).

Samar, Lanang in foliis *Fici* sp. Octob. 1906 (Merrill. n. 5238)

= (*Ph. Merrillii* Rick. n. 3579).

Ph. *Fici minahassae* P. Henn. n. sp.; maculis nullis, stromatibus epiphyllis sparsis vel gregarie confluentibus, atro-carbonaceis, opacis vel subnitentibus angulato-pulvinatis; ascis clavatis, obtusis, 8-sporis, paraphysatis, $45 - 60 \times 10 - 16 \mu$; sporis oblongis utrinque obtusis, intus guttulatis, hyalinis, $13 - 16 \times 5 - 6\frac{1}{2} \mu$.

Balut Island in foliis *Fici minahassae*. Octob. 1906 (Merrill. n. 5422).

Ph. *Canarii* P. Henn. n. sp.; stromatibus amphigenis gregarie sparsis, rotundatis, planis, $1\frac{1}{2} - 2\frac{1}{2}$ mm diam., atris, subverrucosostiolatis; loculis immersis subglobosis plurimis; ascis clavatis vertice obtusiusculis, paraphysatis, 8-sporis, $50 - 80 \times 7 - 10 \mu$; sporis oblique monostichis vel subdistichis, oblonge subfusoides utrinque obtusis, guttulatis, hyalinis, $10 - 15 \times 3\frac{1}{2} - 4 \mu$.

Semerara Island in foliis *Canarii luzonici*. Juli 1905 (Merrill. n. 4138).

Ph. *Ardisiae* P. Henn. n. sp.; maculis fuscis, rotundatis vel confluentibus effusis, stromatibus epiphyllis, rotundato- vel oblongo-pulvinatis, atris, subnitentibus, loculis immersis numerosis vix ostiolatis; ascis clavatis, obtusis, paraphysatis, 8-sporis, $65 - 80 \times 8 - 10 \mu$; sporis oblongis, obtusis, nubilosis, hyalinis, $8 - 12 \times 5 - 6 \mu$.

Luzon, Prov. Benguet, Daklan to Kabayan in foliis *Ardisiae Candolleanae*. Octob.-Nov. 1905 (Merrill. n. 4940).

Ph. *Macarangae* P. Henn. n. sp.; maculis angulato-rotundatis vel effusis, fuscis; stromatibus epiphyllis gregariis, rotundato- vel oblongo-angulatis, pulvinatis, atro-subnitentibus; loculis immersis, subglobosis, ostiolis subpunctiformibus; ascis clavatis, vertice obtusis, 8-sporis, $50 - 70 \times 10 - 14 \mu$; paraphysibus filiformibus, hyalinis gut-

tulatis, 2 μ crassis; sporis oblique monostichis vel distichis, oblongis, obtusis, hyalinis, 10–15 \times 5–6 μ .

Balut, in foliis Macarangae. Octob. 1906 (Merrill. n. 5424).

Ph. Pongamiae P. Henn. n. sp.; maculis minutis fuscidulis; stromatibus amphididymis, sparsis, rotundatis, planis, atro-subnitentibus, 1–2 mm diam.; loculis immersis, numerosis, ostiolis subverrucoso prominulis; ascis clavatis, obtusis, 8-sporis, paraphysatis, 60–70 \times 8–10 μ ; sporis oblique monostichis interdum subdistichis, oblongis vel ovoideis, 10–13 \times 3 $\frac{1}{2}$ –4 μ .

Mindanao, Davao in foliis Pongamiae glabrae. Mart. 1904 (Copeland n. 563).

Ph. Luzonensis P. Henn. n. sp.; maculis effusis, fuscidulis; stromatibus amphididymis angulato-rotundatis, sparsis vel gregarie confluentibusque planis, atris; loculis immersis, numerosis, ostiolis hypophyllis, verrucoso-prominulis; ascis clavatis, vertice obtusis, paraphysatis, 8-sporis, 60–80 \times 5–6 μ ; sporis ellipsoideis interdum ovoideis, hyalinis, 8–11 \times 3 $\frac{1}{2}$ –4 μ .

Luzon, Maragondong in foliis Milletiae Merrillii. Juli 1905 (Merrill. n. 4173).

Ph. Parkiae P. Henn. n. sp.; maculis rotundatis vel effusis, flavo-fuscidulis; stromatibus epiphyllis sparse gregariis interdum confluentibus, minutis, pulvinatis atro-nitentibus, loculis paucis immersis, globulosis; ascis clavatis, apice obtuso-rotundatis, paraphysatis, 8-sporis, 45–70 \times 8–12 μ ; sporis ellipsoideis, obtusis, oblique monostichis vel subdistichis, 2-guttulatis, hyalinis, 7–10 \times 5–6 μ .

Luzon, Prov. Bataan Lamao et Prov. Rizal, Montalban in foliis Parkiae Roxburghii. Jan. 1904, Mart. 1906. (Copeland n. 278, Merrill. n. 5097.)

Auerswaldia Merrillii P. Henn. n. sp.; maculis effusis, fuscidulis; stromatibus amphididymis, sparse gregariis, rotundatis, atro-nitentibus, planiusculis, ca. 1–1 $\frac{1}{2}$ mm diam.; loculis immersis subglobulosis; ascis clavatis, obtusis, paraphysatis, 8-sporis, 140–180 \times 10–13 μ ; sporis longe fusoideis, utrinque subacutis vel subpapillato hyalinis, guttulatis, subfuligincis, 30–42 \times 8–10 μ .

Mindoro, Mt. Halcon in foliis Frcycinetiac. Nov. 1906 (Merrill. n. 5526).

A. Arengae Racib., Par. Alg. et Pilze Javas III, p. 27.

Mindoro, Bongabon River in foliis Caryotae sp. Jan. 1906 (Whitford n. 1373a).

A. Derridis P. Henn. n. sp.; maculis rotundatis vel effusis brunneis; stromatibus amphididymis gregariis saepe confluentibus, rotundatis, planis, atris opacis, loculis immersis, subglobosis; ascis cylindraceis, obtusis, 8-sporis, p., sporif. 30–35 \times 5 μ ; sporis oblique monostichis, ellipsoideis, flavidoo-livascentibus, 5–6 \times 4–4 $\frac{1}{2}$ μ .

Mindoro, Alag River in foliis Derridis. Nov. 1906 (Merrill. n. 5544).

Scirrhia luzonensis P. Henn. n. sp.; maculis oblongis vel striiformibus, fuscis; stromatibus epiphyllis sparsis, oblongis, erumpentibus, fusco-atris 0,5—1 mm longis, loculis seriatis ostiolatis; ascis clavatis, obtusis, 8-sporis, 60—80 × 7—9 μ ; sporis subdistichis, oblonge fusoideis, utrinque acutis vel rostellatis, hyalinis, medio 1-septatis, 20—30 × 3—3 $\frac{1}{2}$ μ .

Luzon, Prov. Laguna, Los Baños in foliis *Bambusa e.* Mart. 1906 (Merrill. n. 5122).

Luzon, Prov. Bataan, Lamao. Jan. 1904 (Copeland n. 282).

Roumegueria Ichnanthi P. Henn. n. sp.; maculis fuscidulis striiformibus; stromatibus amphididymis minutis, rotundatis, striiforme confluentibus, atris, paucilocularibus; ascis clavatis vel fusoideis, obtusis vel acutiusculis sacpe curvulis, 8-sporis, 45—60 × 5—7 μ ; sporis subdistichis, fusoideis utrinque subacutis, saepe curvulis, hyalinis, 4—5-septatis, 15—20 × 3 $\frac{1}{2}$ —4 μ .

Mindora, Mt. Halcon in foliis *Ichnanthi* sp. Nov. 1906 (Merrill. n. 5533).

Ophiodothis cfr. *vorax* (Berk. et C.) Sacc., Syll. II, p. 652.

Luzon, Prov. Benguet in culmis *Gramineae*. Maj. 1904 (Elmer n. 6373).

Sphaeriaceae.

Rosellinia Cocoës P. Henn. n. sp.; peritheciis gregariis superficialibus hemisphaericis vel subglobosis, atro-carbonaceis, pruinosis, subrugulosis, ad ostiolum papillatum sublevibus, ca. 0,7—1 mm diam.; ascis cylindraceo-clavatis, obtusis, 8-sporis, paraphysatis, 90—100 × 7—8 μ ; sporis oblique monostichis, ellipsoidis inaequilateralibus, obtusiusculis vel acutiusculis, atris, 13—16 × 6—8 μ .

Mindanao, Davao in pedunculis emortuis *Cocoës nuciferae*. Mart. 1906 (Copeland n. 456).

R. Bambusa e P. Henn. n. sp.; peritheciis culmicolis gregariis superficialibus, subhemisphaericis, atro-carbonaceis, rugulosis; papillato-ostiolatis, ca. 0,5—1 mm diam.; ascis cylindraceis, 8-sporis, plerumque secedentibus; sporis oblique monostichis oblongis, obtusis, atro-brunneis, 8—11 × 3—3 $\frac{1}{2}$ μ .

Luzon, Prov. Pampanga, Mt. Aruyat in ramis emortuis *Bambusa e.* Febr. 1906 (Merrill. n. 5030).

R. geasteroide Ell. et Ev. diversa.

Apiospora luzonensis P. Henn. n. sp.; peritheciis gregariis parallele seriatis, immersis culmique superficiem elevantibus erumpentibusque, subglobosis, atris ca. 200 μ diam.; ascis clavatis, obtuse rotundatis, 8-sporis, 90—100 × 20—24 μ ; sporis subdistichis, oblonge

clavatis, incurvo-attenuatis, $20-24 \times 8-10 \mu$, hyalinis, tunicatis, prope basim 1-septatis subconstrictis.

Luzon, Prov. Bataan in culmis emortuis Bambusae spec. Octob. 1906 (Merrill. n. 3533).

Eutypae Bambusanae Penz. et Sacc. simillima.

Pleosporaceae.

Physalospora Ramosii P. Henn. n. sp.; maculis flavidulis vel obsoletis, sparsis; peritheciis epiphyllis gregariis, erumpentibus, pulvinatis atris, opacis; ascis clavatis, obtusis, paraphysatis, 8-sporis, $40-50 \times 8-12 \mu$; sporis oblique monostichis vel subdistichis, subglobosis vel ovoideis, hyalinis, intus granulatis, hyalinis, $6-8 \times 5-7 \mu$.

Luzon, Prov. Rizal in foliis Derridis spec.? n. 1396. Aug. 1906 (M. Ramos n. 1396 a).

Ophiobolus Nipae P. Henn. n. sp.; peritheciis gregariis innato-erumpentibus, rotundato-depressis, atris, ostiolo conoideo, $0,5-0,6$ mm diam.; ascis cylindraceo-clavatis, vertice obtuso-rotundatis, curvulis 8-sporis, $100-120 \times 10-13 \mu$; sporis filiformibus, parallelis, utrinque obtusis, curvulis, pluriseptatis, $80-100 \times 2\frac{1}{2}-3\frac{1}{2} \mu$, hyalinis.

Luzon, Prov. Pampanga, San Esteban in petiolis emortuis Nipae fruticantis. Sept. 1905 (Merrill. n. 4257).

O. Livistona P. Henn. n. sp.; peritheciis gregariis innato-erumpentibus, superficialibus, rotundato-depressis, atris, conico-ostiolatis, $0,4-0,5$ mm diam.; ascis cylindraceo-fusoideis, obtusiusculis, paraphysatis, 8-sporis, $80-110 \times 5-8 \mu$; sporis parallelis, filiformibus, obtusis, pluriseptatis hyalinis, $70-80 \times 2 \mu$.

Mindanao, Davao in petiolis emortuis Livistona. Mart. 1904 (Copeland n. 524).

Cucurbitariaceae.

Gibberidea Nipae P. Henn. n. sp.; peritheciis superficialibus, liberis, caespitosis in stromate atro-crustaceo effuso-dispositis, atro-carbonaceis, ovoideis, conico-ostiolatis deinde perforatis; ascis clavatis, vertice obtuso-rotundatis, 8-sporis; $90-110 \times 20 \mu$; sporis subdistichis, oblonge fusoideis, utrinque obtusiusculis, 4-5-septatis, brunneis, $40-48 \times 8-10 \mu$.

Luzon, Prov. Pampanga, San Esteban in petiolis emortuis Nipae fruticantis. Sept. 1905 (Merrill. n. 4255).

Amphisphaeriaceae.

Julella luzonensis P. Henn. n. sp.; peritheciis gregariis cortici nidulantibus, simplicibus, globuloso-depressis, atro-carbonaceis, papillatis, vertice poro pallido perforatis, $1-1\frac{1}{2}$ mm diam.; ascis clavatis ca. 40μ crassis, 2-, raro 4-sporis; paraphysibus copiosis,

filiformibus ca. 2 μ crassis; sporis monostichis cylindraceis vel fusoideis, utrinque obtuso-rotundatis, 12—16-septatis, clathrato-reticulatis, atrobrunneis, 80—120 \times 20—23 μ .

Luzon, Prov. Benguet in cortice arboris. Mart. 1904 (Elmer n. 5937).

Valsaceae.

Eutypa bambusina Penz. et Sacc., Fung. javan. Malp. XI, p. 501.

Luzon, Prov. Bataan et Prov. Rizal in culmis emortuis Bambusae. Febr. 1906, Jan. 1906 (Copeland n. 40, 150).

Island of Culion in culmis Bambusae. Dec. 1902 (Merrill. n. 3606).

Ascis 20—30 \times 4—5 μ .

E. flavo-virens (Hoffm.) Tul., Sel. Fung. Carp. II, p. 57.

Luzon, Prov. Rizal, Montalban in ramis dejectis. Mart. 1906 (Merrill. n. 5098).

Endoxyla Mangiferae P. Henn. n. sp.; stromatibus ligno innatis peritheciis gregariis immersis atris, ostiolis subulatis superantibus; ascis stipitatis clavatis, 8-sporis, ca. 30 \times 6 μ ; sporis subdistichis cylindraceis, curvatis, fuscidulis, 6—7 \times 2 μ .

Mindanao, Davao in ligno emortuo Mangiferae indicae. April 1904 (Copeland n. 825).

Diatrypaceae.

Diatrype mindanaensis P. Henn. n. sp.; stromatibus innatoerumpentibus dein superficialibus gregariis, pulvinatis vel orbiculare disciformibus, atro-carbonaceis rugulosis, 1—1 $\frac{1}{2}$ mm diam., loculis immersis numerosis, globulosis; ascis stipitatis clavatis, 8-sporis; sporis subdistichis, cylindraceis, curvulis, fuscidulis 6—7 \times 2 μ .

Mindanao, San Ramon, Zamboanga in ramulis siccis arboris. Mayo 1904 (Copeland n. 744).

Diatrypi disciformi affinis.

Xylariaceae.

Ustulina maxima (Web.) Schröt., Pilze Schles. II, p. 465.

Luzon, Prov. Rizal ad truncum emortuum Fici. Jan. 1906 (Foxworthy n. 56).

Prov. Benguet, Status conid. April 1904 (Elmer n. 6153).

Nummularia philippinensis Ricker.

Luzon, Prov. Bataan, Lamao ad lignum emortuum. Octob. 1903 (Merrill. n. 3537).

Sporae oblongae navicularares, atris, 20—24 \times 10—11 μ .

N. cfr. *placentiformis* (B. et C.) Sacc., Syll. I, p. 399.

Mindanao, Lamboanga, San Ramon in ramis putridis. Mayo 1904 (Copeland n. 745).

Daldinia concentrica (Bolt.) Ces. et De Not., Schem. Sf. in Com. I, p. 198.

Luzon, Prov. Benguet, Panai, in ramis emortuis *Quercus* sp. Oct.-Nov. 1905 (Merrill. n. 4999, Copeland n. 36).

D. Asphalatum (Link. et Fries) Sacc., Syll. I, p. 394.

Luzon, Prov. Bataan, Lamao River in ligno emortuo. Febr. 1904 (Copeland n. 156).

Hypoxylon marginatum (Schwein.) Berk., Cub. Fung. n. 830.

Island of Culion in ramis dejectis. Dec. 1902 (Merrill. n. 3607).

Luzon, Prov. Pampanga, Mt. Aruyat; Prov. Bataan, Mt. Mariveles. Jan. 1904, Febr. 1906 in ramis putridis. Merrill. n. 3700, Mindanao, Davao in ramis putridis. Mart. 1904, n. 5029 (Copeland n. 498).

H. serpens (Pers.) Fries, Sum. veg. Sc. p. 384.

Mindanao, Zamboanga, San Ramon in ramis putridis. Majo 1904 (Copeland n. 746).

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

Luzon, Prov. Bataan, Lamao River ad corticem Dipterocarpi. Febr. 1904 (Copeland n. 161).

H. cfr. multiforme Fries, Sum. Veg. Sc. p. 384.

Luzon, Prov. Bataan, Mt. Mariveles, 800 fs. ad ramis siccis. Jan. 1904 (Copeland n. 154).

H. Hibisci P. Henn. n. sp.; stromatibus subgregarie erumpentibus superficialibus, hemisphaerico-pulvinatis vel subglobosis 0,5—1 cm diam., rufobrunneis dein fuscis, opacis vix ostiolatis, rugulosis, intus fuscis; peritheciis immersis globulosis; ascis cylindraceo-clavatis, pedicellatis 8-sporis, paraphysatis; sporis oblique monostichis ellipsoideis, obtusis, atris, 6—10 × 3 $\frac{1}{2}$ —4 μ .

Manila, ad ramis siccis *Hibisci rosae-sinensis*. Juli 1905 (Merrill. n. 4115).

H. nucigenum P. Henn. n. sp.; stromatibus subgloboso-depressis, cinereo-fuscis vel nigricantibus, superficie subareolatis, conico-ostiolatis, intus pallidis dein atrofuscis ca. 2—2 $\frac{1}{2}$ cm diam.; peritheciis angulato ellipsoideis, lignosis, cinereo-fuscis, 5—7 mm diam. (nuci Pini Cembrae similibus); ascis cylindraceis, 8-sporis, plerumque secedentibus; sporis oblique monostichis, oblonge navicularibus, utrinque obtuso-rotundatis, atris, 40—52 × 10—13 μ .

Luzon, Prov. Bataan, Lamas River in truncis emortuis. Jan. 1904 (Copeland n. 155).

Island of Palawan, E-wi-ig River in truncis emortuis. Febr. 1903 (Merrill. n. 3583).

Hypoxylon areolato B. et C. affinis.

Hypoxylon apoense P. Henn. n. sp.; stromatibus hemisphaericis, atris intus pallidis, rugulosis, opacis, ostiolis prominulis 1 $\frac{1}{2}$ —2 $\frac{1}{2}$ cm diam.; peritheciis immersis, globulosis, 0,5—0,8 mm diam.; ascis pedi-

cellatis, cylindraceis, obtusis, p., spor., ca. 140—160 × 12—14 μ , 8-sporis, paraphysatis; sporis oblique monostichis oblonge navicularibus obtusis vel acutiusculis, 25—32 × 8—12 μ , atris.

Mindanao, Davao, Mt. Apo, 6000 fs., in truncis emortuis. April 1904 (Copeland n. 1073).

Xylaria Copelandii P. Henn. n. sp.; stromatibus dense caespitosis ovoideis, breve stipitatis, rugulosis, pruinosis, vel cinereo-pilosulis, atris, apice longe rostratis ca. 1 mm diam., saepe longitudinaliter sulcatis, paucilocularibus; ascis cylindraceo-clavatis, pedicellatis, p. spor. 80—90 μ , 8-sporis, paraphysatis; sporis oblique monostichis navicularibus, obtusiusculis, atris, 15—16 × 6—7 μ .

Luzon, Prov. Bataan, Lamao River in truncis Calami sp. Febr. 1904 (Copeland n. 198).

X. bataanensis P. Henn. n. sp.; stromatibus cylindraceo-fusiformibus, stipitatis, caespitosis vel singularibus, clavula usque ad 2 $\frac{1}{2}$ cm longa, 1 $\frac{1}{2}$ —3 mm crassa, apiculata vel rostrata, striatula, ostiolis prominulis; stipite tereti, aequali, usque ad 1 cm longo, 0,5—1 mm lato; ascis pedicellatis, ca. 80—100 × 5—6 $\frac{1}{2}$ μ , 8-sporis, paraphysatis; sporis oblique monostichis navicularibus, atris, obtusis, 10—14 × 4—5 $\frac{1}{2}$ μ .

Luzon, Prov. Bataan, Lamao River in ligno putrido. Febr. 1904, Octob. 1905 (Merrill. 3530, Copeland n. 162).

X. cfr. *corniformis* Fries, Sum. Veg. Sc. p. 381.

Luzon, Prov. Rizal, Bosoboso ad truncum Shoreaé. July 1906, Ramos n. 12015.

Kretzschmaria microspora P. Henn., Fung. amaz. II, p. 261.

Mindanao, Davao ad truncum emortuum. Mart. 1904 (Copeland n. 496).

Microthyriaceae.

Asterina Derridis P. Henn. n. sp.; peritheciis hypophyllis gregariis in maculis atris effusis, dimidiato-scutellatis, radiato-cellulosis, brunneis, poro pertusis 70—90 μ , hyphis radiatis, ramosis, septatis, fusco-brunneis, 3—3 $\frac{1}{2}$ μ circumdati; ascis ellipsoideis vel ovoideis, vertice tunicatis, 8-sporis, 20—30 × 20—25 μ ; sporis conglobatis ovoideis vel ellipsoideis, 1-septatis, constrictis, hyalinis deinde fuscidulis granulatis, 11—16 × 6—8 μ .

Mindanao, Davao in foliis Derridis uliginosae. Mart. 1904 (Copeland n. 353).

Micropeltis bambusicola P. Henn. in Engl. bot. Jahrb. 1900, p. 273.

Mindanao, Davao, Todaya, 3000 fs., in ramulis Bambusae. April 1904 (Copeland n. 1229).

Hysteriaceae.

Schizothyrium Aceris (P. Henn. et Lind.) Pat.

Mindoro, Mt. Halcon in foliis *Aceris philippini* Merr. Nov. 1906
(Merrill. n. 5537).

Lembosia javanica (Pat.) Racib., Paras. Alg. u. Pilze Javas II, p. 20.

Luzon, Prov. Pampanga, San Esteban in foliis *Nipae fruticantis*.
Sept. 1905 (Merrill. n. 4248).

L. Dipterocarpi P. Henn. n. sp.; maculis mycelii epiphyllis,
rotundatis, atro-crustaceis, sparse gregariis, ca. 2 mm diam.; peritheciis
gregariis linearibus, flexuosis, atris saepe anastomosantibus vel ramosis,
longitudinaliter rimoso-dehiscentibus; ascis ovoideis vel ellipsoideis,
40—55 × 30—40 μ , 8-sporis, obtusis; sporis conglobatis ellipsoideis
vel ovoideis medio 1-septatis constrictis, intus granulatis, atris,
26—30 × 16—20 μ .

Luzon, Prov. Bataan, Lamao in foliis *Dipterocarpi grandiflori*. Jan. 1904 (Copeland n. 280).

Parmularia Hymenolepidis P. Henn. n. sp.; stromatibus hypo-
phyllis sparsis, crustaceo-membranaceis, atris, dimidiato-scutellatis,
5—6 mm diam., loculis radiato-plicatis, ramosis, longitudinaliter
rimoso-dehiscentibus; ascis clavatis, obtusis, 8-sporis, 28—35 × 6—7 μ ,
paraphysibus copiosis, superantibus, apice conglutinatis, clavatis,
flavo-brunneis; sporis subdistichis oblonge ovoideis, 2-guttulatis,
medio 1-septatis, flavo-fuscidulis, 10 × 3—3 $\frac{1}{2}$ μ .

Mindanao, Mt. Apo, 6000 fs., in foliis *Hymenolepidis spicatae*.
April 1904 (Copeland n. 1080).

Parmulariae discoideae Rac. affinis sed distincta.

Hysterium Hoyae P. Henn. n. sp.; peritheciis amphigenis, sparse
gregariis, oblongis rectis vel curvatis, utrinque obtusis, atris, longi-
tudinaliter rimoso-dehiscentibus, 180—220 × 80—100 μ ; ascis oblongis
vel clavatis, 8-sporis, 24—26 × 10—15 μ ; sporis subtristichis vel
conglobatis fusoideis vel clavatis, 3-septatis, fuscis, 10—14 × 3—3 $\frac{1}{2}$ μ .

Mindanao, Davao in foliis *Hoyae spec.* Mart. 1904 (Copeland
n. 628).

Tryblidiella mindanoensis P. Henn. n. sp.; peritheciis
erumpentibus, caespitosis, subcoriaceis, oblongis, rectis vel curvulis,
atris, labiis tumidis laevibus, ca. 1—2 $\frac{1}{2}$ mm longis, 0,3 mm latis,
disco atrofusco, laevi; ascis subclavatis obtusis, 8-sporis, p., spor.
140—160 × 17 μ , paraphysibus obvallatis, hyalinis; sporis oblongis,
subcurvulis, utrinque obtusis, 3-septatis, atrobrunneis vel castaneis,
oblique monostichis, 20—30 × 10—12 μ .

Mindanao, Zamboanga, San Ramon ad corticem arboris. Mayo
1904 (Copeland n. 720).

Merrilliopeلتis P. Henn. n. gen.; perithecia subinnato-super-
ficialia, orbiculari-scutata, longitudinaliter rima angustissima dehiscentia

cornea; asci cylindracei, octospori, paraphysati; sporae longe fusoideae, 3-pluriseptatae, hyalinae.

M. Calami P. Henn. n. sp.; peritheciis innato-superficialibus, dense gregariis, orbiculari- vel ellipsoideo-scutatis, cocciformibus, brunneis, ca. $1\frac{1}{2}$ mm longis, 1 mm latis, longitudinaliter rima angustissima dehiscentibus, contextu corneo brunneo vel fusco; ascis longe cylindraceis, vertice obtuso-rotundatis, $240-260 \times 6-7 \mu$, 8-sporis, paraphysatis; sporis longe fusoideis, utrinque acutis, hyalinis, primo medio 1-septatis deinde 3-pluriseptatis subconstrictis, $50-75 \times 4-5 \mu$.

Mindoro, Mt. Halcon in truncis *Calami* spec. Nov. 1906 (Merrill. n. 6113).

Phacidiaceae.

Rhytisma? Viburni P. Henn. n. sp.; stromatibus amphididymis, atris, bullatis, rotundatis, imminaturis.

Luzon, Prov. Benguet, Mt. Touglon. Octob.-Nov. 1905 (Merrill. n. 4986).

R.? Lagerstromiae P. Henn. n. sp.; stromatibus innatis, rotundatis vel effusis epiphyllis, atris, rimosis, immaturis.

Luzon, Prov. Bataan, Lamao in foliis *Lagerstroemiae* speciosae. Jan. 1904 (Copeland n. 281).

Patellariaceae.

Leptopeziza mindanaensis P. Henn. n. sp.; ascomatibus superficialibus singularibus, rotundato-discoideis, marginatis, atris, $1\frac{1}{2}-2$ mm diam.; disco laevi, atro; ascis fusoideo-clavatis, apice attenuatis, obtuso-rotundatis, $130-150 \times 20-30 \mu$, 8-sporis, paraphysibus superantibus, ramosis, septatis hyalinis, ca. 2μ crassis, apice coalitis fuscidulis; sporis subdistichis, oblonge fusoideis utrinque acutis vel obtusiusculis, 5-7-septatis, fuscis, $50-60 \times 10-12 \mu$.

Mindanao, Davao, Mt. Apo in Corticio ad ramis emortuos, April 1904 (Copeland n. 1100).

Helotiaceae.

Pilocratera celebica P. Henn. in Mousunia.

Mindoro, Bongabon River ad lignum putridum. Febr. 1906 (Whitford n. 1418).

Sphaeropsidaceae.

Phyllosticta Acoridii P. Henn. n. sp.; maculis amphigenis, rotundatis incrassatis rufobrunneis vel hyalinis exaridis, atro-cingulatis; peritheciis singularibus (rarissimis) lenticularibus, atris, ca. 50μ ; conidiis oblonge cylindraceis, obtusis, hyalinis, $4-5 \times 0,8 \mu$.

Mindanao, Mt. Mohisdang in foliis *Acoridii*. Mayo 1906 (Mearus n. 4598).

Placosphaeria Merrillii P. Henn. n. sp.; maculis rotundatis vel effusis, flavo-fuscidulis; stromatibus amphididymis, gregariis saepe confluentibus angulato-rotundatis, planiusculis, atris, loculis immersis; conidiis bacillaribus, hyalinis, $5-6 \times 0,5 \mu$.

Palmas Island, in foliis Derridis. Octob. 1906 (Merrill. n. 5331).

P.? Tiglii P. Henn. n. sp.; maculis amphididymis rotundatis, bullatis, fuscis, stromatibus fuscis rotundatis, rugulosis, conidiis bacillaribus, hyalinis, $4-5 \times 0,5 \mu$.

Island of Balabac in foliis Crotonis Tiglii. Mart.-April 1906 (Mangubat n. 518).

Sphaeropsis Pandani P. Henn. n. sp.; peritheciis innato-erumpentibus, sparse gregariis, rotundato-hemisphaericis vel lenticularibus, atro-nitentibus, apice papillato-perforatis usque ad 1 mm diam.; conidiis oblonge ellipsoideis, utrinque obtusis, luteo-brunneis, $20-26 \times 8-11 \mu$.

Mindanao, Davao in foliis siccis Pandani laevis. Mart. 1904 (Copeland n. 592).

Coniothyrium Coffeae P. Henn. n. sp.; peritheciis gregariis innato-erumpentibus, minutis atris, globulosis, perforatis, ca. $120-150 \mu$, conidiis oblongis, utrinque obtusis, 1-2-guttulatis, brunneo-fuscis, $5-6 \times 2-2\frac{1}{2} \mu$.

Luzon, Prov. Benguet, Kabayan in ramulis siccis Coffeae arabicae. Octob.-Nov. 1905 (Merrill. n. 4907).

C. Oroxyli P. Henn. n. sp.; maculis effusis, pallidis vel fuscis, peritheciis sparse gregariis, innato-erumpentibus, ellipsoideis vel globulosis, atris, cellulosis, ca. $160-180 \times 130-150 \mu$; conidiis ellipsoideis vel subglobosis, 1-guttulatis, atro-fuscis, $4 \times 2 \mu$.

Mindanao, Davao in capsulis putridis Oroxyli indici. April 1904 (Copeland n. 886).

C. Gmelinae P. Henn. n. sp.; peritheciis subepidermide erumpentibus, subglobosis, atris; conidiis ellipsoideis, atrocastaneis, $4-5 \times 4 \mu$.

Mindanao, Davao in ramis siccis Gmelinae villosae in societate Diplodiae Gmelinae. Mart. 1904 (Copeland n. 512).

Diplodia Hibisci P. Henn. n. sp.; peritheciis gregarie suberumpentibus, subglobulosis, atro-castanaceis; conidiis ellipsoideis vel ovoideis, utrinque obtusis, atris, 1-septatis haud constrictis, $16-22 \times 8-10 \mu$.

Manila in ramis emortuis Hibisci rosa-sinensis L. in societate Megalonectriæ pseudotrichiae. Juli 1905 (Merrill. n. 4116).

D. Gmelinae P. Henn. n. sp.; peritheciis erumpentibus, globulosis, atris; conidiis ellipsoideis vel ovoideis, obtusis intus, granulatis, atrocastaneis, 1-septatis haud constrictis, $18-24 \times 10-13 \mu$.

Mindanao, Davao in ramulis *Gmelinae villosae*. Mart. 1904 (Copeland n. 512).

D. fructus-Pandani P. Henn. n. sp.; peritheciis gregarie caespitosis, globulosis, atris; conidiis ellipsoideis vel ovoideis utrinque obtusis, medio 1-septatis haud constrictis, atris, $20-26 \times 10-12 \mu$; conidiophoris hyalinis, ca. $6 \times 3 \mu$.

Luzon, Prov. Bataan, Lamao in squamis fructus *Pandani luzonensis*. Jan. 1904 (Merrill. n. B).

Septoria? Molleriana Bres., Rev. Mycol. 1891, p. 68.

Luzon, Zamboles in foliis *Canavaliae obtusifoliae*. Juni 1903 (Merrill. n. 3609).

Nectrioidaceae.

Aschersonia sp.

Mindoro, Mt. Halcon in foliis *Filicis* (immatura). Nov. 1906 (Merrill. n. 3178).

Melanconiaceae.

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

Mindanao, Davao in foliis emortuis *Cocos nuciferae*. Mart. 1904 (Copeland n. 334).

Mucedinaceae.

Aspergillus Delacroixii S. et S.

Luzon, Prov. Batangas, Lipa in fructibus *Theobromae Cacao*. Aug. 1902 (Merrill. n. 3613).

A. flavus (De Bary) Bref., Rab. Fg. eur. n. 2135.

Mindanao, Davao ad foliis *Morinda bracteatae*. Mart. 1904 (Copeland n. 547).

Dematiaceae.

Coniosporium circumscissum (B. et Br.) Sacc., Syll. IV, p. 244.

Panay, Hoili et Prov. Bataan; Luzon, Mt. Mariveles in ramis *Bambusae*. Jan. 1904 (Copeland n. 37, Merrill. n. 3699).

Ramularia Catappae Rac., Paras. Alg. et Pilze Jav. II, p. 41.

Manila in foliis *Terminaliae Catappae*. Juli 1902 (Merrill. n. 3610).

Helminthosporium Ravenelii Curt. et Berk., N. Am. Fg. n. 328.

Luzon, Prov. Benguet, in paniculis *Sporoboli* spec. Mart. 1904 (Elmer n. 5943, Merrill. n. 4912).

Brachysporium Pini insularis P. Henn. n. sp.; caespitibus gregarie sparsis minutis, atris vel effusis; hyphis fasciculatis septatis, fuscis, $2-3 \mu$ latis; conidiis ellipsoideis, 2-septatis, atrofuscis, $10-12 \times 6-7 \mu$.

Luzon, Benguet, Baguio in foliis Pini insularis. Octob. 1905 (Merrill. n. 4881).

Cercospora Amorphophalli P. Henn., *Fungi javanici* Hedw. 1902, p. 147.

Siassi Island in foliis *Amorphophalli campanulati*. Octob. 1906 (Merrill. n. 5310).

C. occidentalis Cooke, Hedw. 1878, p. 30.

Luzon, Nueva Ecyia in foliis *Cassiae occidentalis*. Sept. 1905 (Merrill. n. 4196).

C. Helminthostachydis P. Henn.; maculis fuscidulis exaridis, sparsis rotundatis; caespitulis hypophyllis atrofuscis, hyphis fasciculatis, fuscis, septatis, ca. $25-50 \times 3-4 \mu$; conidiis fusoideis, fuscidulis, 3-7-septatis, $40-60 \times 3-4 \mu$.

Mindanao, Davao in foliis *Helminthostachydis zeylanicae*. Mart. 1904 (Copeland n. 543).

C. Tiglia P. Henn. n. sp.; maculis sparse gregariis, rotundatis, subbullatis, atris, hyphis fasciculatis, fuscidulis, septatis, ca. $70 \times 4 \mu$; conidiis cylindraceo-fusoideis vel clavatis, fuscidulis, $40-50 \times 3\frac{1}{2} \mu$, 4-5-septatis.

Balut-Island in foliis *Crotonis Tiglia*. Octob. 1906 (Merrill. n. 5423).

Stilbaceae.

Sporocybe philippinensis P. Henn. n. sp.; caespitulis dense gregariis, villosis, atro-fuscis, effusis; stipitibus erectis rigidis, atris, $200-250 \mu$ longis, fusco-tomentosis, apice capitellatis; capitulis subglobosis vel ovoideis, atris, $200-220 \mu$ diam., conidiis ellipsoideis vel ovoideis fuscis, $8-13 \times 5-6 \mu$.

N. Samar, Cajaogan ad lignum. Octob. 1906 (Merrill. n. 5241).

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