

Basidiomycetes Philippinenses.

(Series II.)

Auctore J. Bresadola.

Hymenomycetaceae.

Clitocybe Quel.

Clitocybe tortilis Bolt. tab. 41, f. A.

Hab. ad terram, Luzon, Bataan, Mt. Mariveles. *Elmer 6922*.

Obs. A *Clitocybe laccata* differt statura minore, lamellis decurrentibus et sporis eximie aculeatis.

Collybia Quel.

Collybia exsculpta Fr. Epicr. p. 93. *Collybia luteo-olivacea* Berk. et C. Ann. Nat. Hist. 1859, p. 3. *Collybia colorea* Peck. 26 Rep. p. 54†

Hab. ad truncos, Negros. *Elmer 9589*.

Cantharellus Adans.

Cantharellus aureus (Berk. et C.) Bry. *Craterellus* Berk. et C. N. Pac. exp. p. 103.

Hab. ad terram, Luzon, Bataan, Prov. Lamao. *Copeland 1368*, *Merrill 3510*, *Bureau of science 6172*, *Forestry Bureau 13554*.

Obs. Sporae flavidulae, subellipticae, $7-10 = 5-8 \mu$, generatim $7-8 = 6 \mu$; basidia clavata, $2-4$ sterigmatica, $32-35 = 8-9$; hyphae subhymeniales $2-9 \mu$ crassae.

Specimina originalia duplo minora, sed color, forma, structura optime concordant. Hymenium in evolutis rugosum, sed *Cantharellis* omnino affinis non *Craterellis*.

Cantharellus partitus Berk. Hook. Journ. I, p. 142 (1842)? *Cantharellus buccinalis* Mont. Guzan. p. 300, tab. II, f. 4 (1852).

Hab. ad ligna, Luzon, Rizal, Bosoboso, *Max. Ramos 989, 1183*.

Obs. Species haec mox exiccando nigrescit. A typo, cui compavimus, differt statura aliquantum majore et pileo minus partito, sed certe non diversa. Specimina omnia mucescentia ideoque vix sporas distinguere contigit.

Craterellus Fr.**Craterellus philippinensis** Bres. n. sp.

Pileo submembranaceo, tubaeformis, margine undulato, pervio, minute squamuloso, umbrino, 3—5 cm lato; stipite cavo, subaequali, subglabro, pileo subconcolore, 2—3½ cm longo, 4—6 mm crasso; hymenio e pallido flaveolo, ruguloso, in stipitem decurrente; sporis hyalinis, subglobosis, 7—8 = 6—7 μ ; basidiis, clavatis, 2—4 sterigmatibus, 70—80 = 9—12 μ .

Hab. ad terram, Negros. *Forestry Bureau* 13600, 19079.

Obs. *Craterello crispo* Fr. proxime affinis, a quo pileo pervio et sporis fere globosis praecipue distinguitur.

Marasmius Fr.**Marasmius equierinis** Müll. in Berk. Austr.-Fungi II, p. 245.

Hab. inter quisquilias, folia, ramulos etc. Mindanao, Lake Samao, *Mary Strong Clemens* „B“.

Obs. Mycelium rhizomorphaeum; specimina obsoleta, sterilia.

Lentinus Fr.**Lentinus velutinus** Fr. Linn. 1830, p. 510! *Lentinus setiger* Lev.

Champ. exot. p. 175! *Lentinus brachatus* Lev. Zolling. Verz. p. 17!

Hab. ad ramos, Luzon, Capayan, E. Bacani, *Forestry Bureau* 16711, 16713; Mindanao, Davao, *Copeland* „B“.

Lentinus ciliatus Lev. Champ. exot. p. 175!

Hab. ad ramos, Mindanao, Davao, *Copeland* „X S“, 1222.

Obs. A *Lentino velutino* Fr. praecipue colore obscuriori, lamellis angustissimis, confertissimis et nigricantibus distinguitur.

Lentinus melanophyllus Lev. Champ. exot. p. 175.

Hab. ad truncos emortuos, Mindanao, Surigao, Caraga. *Merrill* 5457.

Obs. A *Lentino velutino* Fr. pileo et stipite magis villosio-hirtis et lamellis nigricantibus bene distinctus.

Lentinus chaetophorus Lev. Champ. exot. p. 177!

Hab. ad truncos, Mindanao, Davao. *Copeland* 895.

Obs. Sporae non inventae; hyphae contextus lamellarum homogeneae, 2—4 μ ; pilei quoque, sed una alterave 6 μ ; pili apice clavati, 6—9 μ crasse tunicati.

A *Pano rudi* Fr. vix diversus, at, cum sporas non vidimus, jungere interdum haud existimavimus.

Lentinus javanicus Lev. Champ. Mus. p. 118! *Lentinus infundibuliformis* Berk. et Br. Journ. Linn. Soc. XIV, p. 42. *Lentinus Decaisneanus* Lev. Champ. Mus. p. 120!

Hab. ad truncos, Luzon, Bataan, Lamao. *Copeland 175*, Cagayan, Alvarez, *Forestry Bureau 16883*.

Obs. Species plus minus caespitosa, interdum bene evoluta subgigantea, pileo e tomentoso glabrescente, postice semper scabro vel flocculoso-hirto, stipite e dense gossypino-tomentoso fibrilloso; lamellis demum fusco-rutilis.

Lentinus polychrous Lev. Champ. exot. p. 175. *Lentinus Kurzianus* Berk. et Curr. Ind. Fung. p. 120, t. 20, f. 2!

Hab. ad truncos, Luzon, Bataan. *Copeland 152*, Merrill 3703, 3710, *Forestry Bureau 19232*, Rizal, Montalban, Merrill 5094, Laguna, San Antonio, M. Ramos, *Bureau of science 12100*, Cagayan, Curran, *Forestry Bureau 16819*; Palo, Leyte, Elmer 7223; Mindoro, M. L. Merritt, *Forestry Bureau 12146*.

Obs. Sporae hyalinae, $6-8 = 2\frac{1}{2}-3 \mu$; basidia $20-25 = 4-5 \mu$; hyphae contextus hymenii homogeneae, regulares, crassae $1\frac{1}{2}-5$ raro -6 v. 7μ — Adsunt quoque hyphae apice cuspidatae, ultra hymenium $6-9 \mu$ extensae, quae tamen vix cystidiophorae. — Lamellae e cervino-rutilis nigricantibus, majores acie integra, minores, ut plurimam, subtiliter denticulatae. Pulchra species!

Lentinus Tanghiniae Lev. Champ. Mus. p. 119!

Hab. ad truncos, Mindanao, Davao. *Copeland 486*, 516; Bala-bac, ad truncos „Dao“ = *Dracontomelum Mangiferum* Bl. ? *L. Mangabut*, *Bureau of science 538*.

Obs. Sporae hyalinae, oblongo-cylindratae, $6-7\frac{1}{2} = 2\frac{1}{2}-3 \mu$; hyphae contextus lamellarum, subirregulares, crassiuscule tunicatae, $2-5$, vix ubi inflatae -6μ — Lamellae demum fusco-rutilis.

Lentinus squarrosulus Mont. Nilgh. no. 138 (1842)! *Lentinus cretaceus* Berk. et Br. Journ. Linn. Soc. XIV, p. 42 (1875)!

Hab. ad truncos, Manila. Mc. Gregor, *Bureau of science no. 10855*.

Obs. Sporae hyalinae, cylindrato-subcurvulae, $6-7 = 2-2\frac{1}{2} \mu$; basidia clavata, $20-25 = 4-5 \mu$; hyphae contextus lamellarum, crasse tunicatae, $1\frac{1}{2}-5\frac{1}{2}$, raro -6 , interdum inflatae -7μ .

Specimina originalia tam *Lentini squarrosuli*, quam *Lentini cretacei* vidimus.

Lentinus Sajor-Caju Fr. Epicr. p. 393.

Hab. Gregarius prope truncos mucidos ad 1200 m altitudinis, Negros, Dumaguete. Elmer 10181; Mindanao *Copeland 330^a*; Luzon, Rizal, M. Ramos 1194, 1208, Bataan, Mt. Mariveles, Dr. Merrill 3704.

Obs. Sporae hyalinae, cylindratae, $6-7 = 2\frac{1}{2} \mu$; basidia clavata, $15-20 = 4-5 \mu$; hyphae hymenii $2-4 \mu$.

Lentinus inocephalus Lev. Champ. exot. p. 173!

Hab. ad asseres, Mindanao, Surigao, Caraga, *Dr. Merrill 5458*.

Obs. Sporae non inventae; hyphae contextus hymenii 2—6 gen. 2—4 μ , pilei quoque, sed in cortice — 9 μ crassae. Forte *Lentino Sajor-Caju* nimis affinis.

Lentinus coadunatus Hook. fil. in Berk. Dec. no. 323.

Hab. ad truncos, Luzon, Cagayan. *H. M. Curran, Forestry Bureau no. 17144*.

Obs. Sporae oblongae, hyalinae, 7—9 = $2\frac{1}{2}$ —3 μ ; basidia clavata, 24—25 = 5—6 μ ; hyphae contextus lamellarum $1\frac{1}{2}$ —4, raro $4\frac{1}{2}$ — $5\frac{1}{4}$, majores irregulares, crassiuscule tunicatae.

Videtur forma major, triplo quadruplo majore, *Lentini cladopi* Lev.

Lentinus exilis Kl. in Berk. Exot. Fungi, no. 5, p. 397.

Hab. ad truncos, Luzon, Cagayan. *H. M. Curran, Forestry Bureau 16861*.

Panus Fr.**Panus rudis** Fr. Epicr. p. 398.

Hab. ad truncos, Mindanao, Pollok Arbos, March. 2, 1904. *Copeland 330*; Luzon, Lueban, Tayabas, *Elmer 8288*.

Lenzites Fr.

Lenzites Palisoti Fr. Epicr. p. 404. *Daedalea*, Syst. Myc. p. 335 (1821); *Daedalea repanda* Pers. Freyc. 1826, p. 168 p. p.! *Daedalea indica* Jungh. Jav. p. 74, f. 39! *Lenzites deplanata* Fr. Linn. V. p. 513!

Hab. ad truncos, Luzon, Bataan. *Elmer 5091, 6952*; *H. M. Curran, Forestry Bureau 15583*; Negros, Cadiz, Andres Celestino, *Bureau of science no. 7356*; Polillo, Me. Gregor, *Bureau of science no. 10540*; Luzon, *Fenix, Bureau of science no. 12858, 12997*.

Obs. Sporae non inventae; hyphae hymeniales $1\frac{1}{2}$ — $4\frac{1}{4}$, pilei $1\frac{1}{2}$ — $4\frac{1}{2}$; lamellae strictae, a c i e i n t e g r a, o b t u s a. — Fungus noster cum *Lenzite Palisoti* Fr. typo ex Guinea, optime concordat.

var. **polita** Fr. Linn. V, p. 514 (1833) ut species. *Lenzites pallida* Berk. London Journ. 1842, p. 146!- *Daedalea repanda* Pers. l. c. pr. p.!

Hab. ad truncos, Luzon, Bataan, *H. M. Curran, Forestry Bureau no. 19238*.

Obs. Sporae non inventae; hyphae contextus hymenii $1\frac{1}{2}$ — $4\frac{1}{2}$; pilei $1\frac{1}{2}$ —6, crassae vel rarius tenues usque ad 7 μ ; lamellae strictae, a c i e o b t u s a, i n t e g r a. A typo differt tantum hyphis contextus pilei aliquantulum crassioribus.

Daedaleae repandae Pers. typicae duo extant specimina in Herbario parisiensi, quorum unum ad *Lenzitem Palisoti*, alter ad var. *politum* spectat.

Lenzites applanata (Kl.) Fr. Epicr. p. 404. *Daedalea* Kl. in Linn. 1833, p. 481! *Tramates ludificans* Ces. Myc. Born. p. 7!

Hab. ad truncos, Mindoro, Bulalacao, C. B. Robinson, *Bureau of science no. 6700*; Luzon, Rizal, *Robinson-Ramos, Bureau of science 11865*.

Obs. Sporae hyalinae, oblongae, compressae, $8-10 = 3-3\frac{1}{2} \mu$; basidia clavata, $15-18 = 4-5 \mu$; hyphae contextus hymenii $2-4\frac{1}{2}$, raro $1-5$, contextus pilei $2-5$ raro $5\frac{1}{2}-6 \mu$, crasse tunicatae vel homogeneae.

A *Lenzite Palisoti* Fr. differt pileo crassiori, lamellis mox alutaceis, acie demum acuta, laxe dentata et fere semper fertilibus. Specimina in Herbariis sub hoc nomine venditata, non differunt a *Lenzite Palisoti*, sed specimen nostrum cum typo in Herbario upsaliensi identico, sat diversum notis datis videtur.

Lenzites subferruginea Berk. in Hook. Journ. p. 134, 1854! *Gloeophyllum edule* Murrill. in Bull. Torrey Bot. Club, XXXIV, p. 480, 1907!

Hab. ad truncos *Pini insularis*, Luzon, Bagnio, Benguet. *Elmer, Merrill 5000*; Trinidad, Benguet *Elmer 5942, 6516*; Zambales, *Curran 7019*. Luzon *Bureau of science 5888, 5889, 7304, 8307, 8735, 8971*; *Forestry Bureau 15775, 16441, 16442*.

Obs. Typus Berkeley sistit statum juniorem et specimina sublimato imbuta decolorata, de caetero omnia cum typo Murrillii ad unguem convenit. Sporae non inventae; basidia $20-22 = 4-5$; cystidia tenuia, clavata vel fusioidea, $24-30 = 4-6 \mu$, hyphae contextus hymenii luteolae, $1\frac{1}{2}-3$ raro 4μ ; contextus pilei $2-3\frac{1}{2}$ una alterave $4\frac{1}{2}$ vel ubi inflatae 5μ .

Lenzites betulina (L.) Fr. forma *flaccida* Fr. Epicr. p. 406 ut species.

Hab. ad truncos, Luzon, Benguet, Sablang, E. Fenix, *Bureau of science no. 12875*.

Obs. Cum formis europeis prorsus identica! Sporae hyalinae, cylindraceo-curvulae, $5-7 = 2-3 \mu$; basidia clavata, $22-25 = 4-6 \mu$; hyphae contextus hymenii $2-4\frac{1}{2}$ una alterave 5μ ; hyphae contextus pilei $1\frac{1}{2}-6 \mu$, una alterave tenui, irregulari 7μ .

Lenzites striata Ser. Fl. Ind. occ. p. 19.

Hab. ad truncos, Luzon, Cagayan. *Forestry Bureau 16818, Manila, Forestry Bureau 19490, 19491*.

Obs. Sporae non inventae; contextus hymenii et pilei ex hyphis fuscis; $2-4\frac{1}{2}$ μ . *Lenzites brunneola* Berk. differt modo contextu colore umbrino intensiori.

Schizophyllum Fr.

Schizophyllum commune Fr.

Hab. ad truncos, Luzon, Benguet. *Elmer* 5746, 6181; Rizal, *F. W. Foxworthy* 10, *Max Ramos* 1195, Lueban, Tayabas, *Elmer* 8273; Panai, *Copeland* 29.

Naucoria Quél.

Naucoria semiorbicularis (Bull.) Quél. Champ. Jur. I, p. 132.

Hab. ad terram, Mindanao, S. Ramon. *Copeland* 773.

Copelandia Bres. n. g.

Est *Paneolus* cystidiis praeditus.

Copelandia papilionacea (Bull.) Bres. *Agaricus* Bull.

Hab. In fimo equino, Mindanao, Davao. *Copeland* 344.

Obs. Sporae nigrae, citriformes, $13-15 = 10-12$ μ ; cystidia flavida, ventricosa, apice acutata, $50-60 = 15-18$ μ . Cum formis minoribus europiis bene convenit. Specimina exhibita male exsiccata, sed ex datis manifestis vix ad aliam speciem ducenda.

Paneolus Quél.

Paneolus campanulatus (L.) Quél. Champ. Jura I, p. 151.

Agaricus Linn. Fl. Succ. 2 no. 1213.

Hab. in pascuis, locis stercoreatis, Manila. *Elm. D. Merrill* 5008.

Anthracophyllum Ces.

Anthracophyllum Nigrita (Lev.) Kalchbr. Grev. IX, p. 137.

Xerotus nigrita Lev. Ann. Sc. Nat. 1846, p. 120!

Hab. ad ramulos, Luzon, Mt. Mariveles. *Elmer* 6939, Bataan, Samao *Copeland* 146, *Merrill* 3497, Cabanatuan, *Bureau of science* 5233, 5235, 5253, *Forestry Bureau* 5233, 5253, 19200.

Obs. Sporas non inveni, vix tamen crederem quod nigrae sunt; basidia $20 = 5$ μ ; cystidia fusioidea, apice ut plurimum apiculata, $30-40 = 7-9$; hyphae contextus hymenii hyalinae, crassae, molles, $2\frac{1}{2}-5$, septatae, ad septa saepe nodosae.

Genus *Anthracophyllum*, meo sensu, a genere *Xerotus* non revera distinctum.

Polyporus Mich.

Polyporus cochleariformis Cooke Grev. 1885, p. 12.

Hab. ad truncos, Luzon, Cagayan, Max. Ramos. *Bureau of science* no. 7589.

Obs. Sporae hyalinae, globosae v. subglobosae, $3\frac{1}{2}$ —4 μ diam. v. $4\frac{1}{2}$ = $3\frac{1}{2}$ μ ; hyphae contextus hymenii conglutinatae, tenues, 2—5 μ ; contextus pilei hyphae minores tenues et irregulares, majores regulares et sat crasse tunicatae, 4—24 μ crassae, aliqua etiam ultra.

Polyporus grammocephalus Berk. Hook. Lond. Journ. 1842, p. 148. *Polyporus trigonus* Lev. Champ. Mus. p. 125. Zollinger Pl. Jav. no. 2069!

Hab. ad truncos, Negros, Gimagan River. *Copeland* 18; Luzon, Cagayan, *Bureau of science* 7593.

Obs. *Polyporus trigonus* Lev. ad specimina nigrificata, quia in spiritu vini aliquo tempore asservata, monente Zollinger in schedula, lingua germanica conscripta et a Leveilleo neglecta, nulla nota a *Pol. grammocephalo* Berk. recedit, nisi colore, qui, uti patet, accidentalis.

Polyporus miniatus Jungh. Java, p. 68! *Polyporus rubricus* Berk. in Hook. Journ. 1851, p. 81!

Hab. ad truncos, Luzon, Laguna, San Antonio, *M. Ramos*, *Bureau of science* no. 12101.

Obs. Saepe caespitoso-imbricatus, 10—12 cm latus longusque, sed etiam simplex, substipitatus, 4—5 cm latus. — Sporae non inventae; hyphae contextus hymenii crassiuscule tunicatae, parallelae, sat regulares, 4—6 μ ; hyphae pilei valde irregulares, crassiuscule tunicatae vel tenues, ramosae, saepe ventricosae, 2—16 μ .

Polyporus sulphureus (Bull.) Fr. Syst. Myc. I, p. 357.

Hab. ad truncos, Negros, *Forestry Bureau* 17475.

Obs. sporae obovatae, 1 guttatae, hyalinae, 6—7 = 4—5 μ ; basidia clavata, 20—25 = 5—6 μ ; hyphae hymenii 2—6 μ ; pilei 3—9 aliqua — 13 μ .

Polyporus sanguinarius Kl. Linnéa VIII, p. 484! *Fomes oblinitus* Berk. Grev. XV. p. 22!

Hab. ad truncos, Luzon, Cagayan, *Forestry Bureau* 16810.

Obs. Hyphae contextus hymenii $1\frac{1}{2}$ —6 raro 7 μ ; pilei $1\frac{1}{2}$ —8, luteae, crasse tunicatae.

Polyporus bicolor Jungh. Jav. p. 44, Bres. Ann. Myc. VIII, p. 586 cum synonymis.

Hab. ad truncos, Luzon, Mt. Mariveles. *Copeland* 166, *Elmer* 6134, *Forestry Bureau* 19227, Lueban, Tayabas, *Elmer* 8075; Mindanao, S. Ramon, *Copeland* 739.

Obs. Variat totus unicolor absque macula rubra vel nigrescente. Uti jam l. c. monui mihi tantum varietas tenuior *Polypori sanguinarii* Kl.

Polyporus Ramosii (Murr.) Bres.

Hab. ad truncos, Luzon, Bataan, *Forestry Bureau* 19181.

Polyporus pseudoradiatus Pat. Bull. Soc. Myc. fr. 1895 p. 207
var. *asetulosa* n. v.

Hab. ad truncos, Luzon, Benguet, Max. Ramos, *Bureau of science* no. 5885.

Obs. Sporae non inventae; hyphae contextus hymenii, luteae, crasse v. crassiuscule tunicatae, $2-3\frac{3}{4}$, una alterave $4-5\ \mu$, pilei $3-6\ \mu$.

A typo differt unice deficientia setularum, quas repetito frustra quaesivimus.

Polyporus zonalis Berk. Fung. Brit. Mus. p. 375. *Polyporus rufo-pictus* Berk. et C. Grev. XV, p. 23!

Hab. ad truncos, Luzon, Benguet, Sablony, E. Fenix, *Bureau of science* no. 12833.

Polyporus rubidus Berk.

Hab. ad truncos, Luzon, Bataan, Samao. *Copeland* 171, *Merrill* 3706, *Forestry Bureau* 15577, 15644, 19205, Rizal, Max. Ramos 1864; Masbate, *Forestry Bureau* 12560.

Polyporus rhodophaeus Lev. Champ. exot. p. 190 (1844)! *Polyporus cinereo-fuscus* Curr. Ind. Fung. p. 124 (1874)! *Polyporus zonalis* var. *semilaccatus* Berk. Linn. Journ. XVI, p. 46 (1878)! *Fomes semilaccatus* Berk. Grev. XV, p. 22 (1886).

Hab. ad truncos, Luzon, Cagayan, *Bureau of science* 7582, 7591, Sablang, *Bureau of science* 12884, Benguet, *Forestry Bureau* 15645, 16826.

Obs. Sporae non inventae; hyphae hymenii intricatae, $1\frac{1}{2}-3\frac{1}{2}$ raro 4, pilei $2-6$ raro 7, homogeneae, stramineo-flavae.

Polyporus atypus Lev. Champ. exot. p. 184.

Hab. ad truncos, Luzon, Bataan. *Copeland* 179, *Merrill* 3505, Rizal. Max. Ramos. *Bureau of science* 1859, Cagayan, H. M. Curran, *Forestry Bureau* 16825, Mindoro, Baca River, *Merrill* 3578.

Obs. Pori $3-4$ pro mm; sporae non inventae; hyphae contextus hymenii $2-3\frac{1}{2}$, pilei $2-5\frac{3}{4}$ crasse tunicatae, commixtis irregularibus, tenuibus. *Polystictum rubido* Berk. proxime affinis.

var. *exaratus* n. var.

Hab. ad truncos, Luzon, Bataan, Mt. Mariveles, Dr. *Merrill* 3506, 3702.

Obs. A typo differt pileo ruguloso-exarato, colore intensiori et hyphis pilei magis irregularibus. — Habitu ad *Polystictum lilacino-gilvum* valde accedit.

Polyporus badius Jung. in Zollinger Pl. Jav. 10 et Syst. Verz. p. 14 (1845)! *Polyporus tristis* Lev. Champ. Mus. p. 126 (1846)! *Polyporus vinosus* Berk. Fungi Dom. p. 4 (1852)! — *Trametes tristis* (Lev.) Sacc. Syll. VI. p. 336. *Polystictus Möllerianus* Sacc. et Berl. Revue Myc. 1889!

Hab. ad truncos, Luzon, Mt. Mariveles. *Merrill 3695*, Bosoboso, *Max. Ramos 2148*, Benguet, Sablang, *Bureau of science 12864*.

Obs. Sporae hyalinae, cylindraceo-subcurvulae, biguttulatae, $4-4\frac{1}{2} = 1\frac{1}{2}$; hyphae contextus hymenii et pilei vinosae $3-5\ \mu$. Variat sessilis et stipitatus. *

Polyporus durus Jungh.

Hab. ad truncos, Luzon, Bataan. *Forestry Bureau 15810*, 19208. Benguet, Sablang, *Bureau of science 12873*.

Polyporus capucinus Mont. in Ann. Sc. Nat. 1856 p. 369! *Polyporus Weberianus* Bres. et P. Henn. in Sacc. Sylloge IX, p. 174. *Inonotus fructicum* Murrill. Additional Philipp. Pol. p. 402 non Berk. typus! *Inonotus corrosus* Murr. Bull. Torrey Club XXXI, p. 589!

Hab. ad truncos, Balabac, *Mangubat n. 531*.

Obs. Sporae pallide stramineae, obovatae, $4 = 2-3\ \mu$; hyphae contextus hymenii, $2-4\frac{1}{2}$ raro $6-8\ \mu$; hyphae contextus pilei $4-10\ \mu$ irregulares, inflatae, flavae, ubi restrictae fulvae.

Polyporus fructicum Berk. typus multo minor, tenuior et configuratione hymenii satis diversus. Specimen ex Brisbane sub hoc nomine a Berkeleyo in Fungi from Brisbane enumeratum cum nostro utique convenit, sed non cum typo. Species haec, uti videtur, in tropicis ubique obvia; specimina vidi ex Cuba, Brasilia, Australia, Samoa et Philippinis.

Ganoderma Karst.

Ganoderma megaloma (Lev.) Big. *Polyporus megaloma* Lev. Champ. et Mus. p. 128, 1846. *Polyporus leucopheum* Mont. Syll. Crypt. p. 157, 1856.

Hab. ad truncos, Polillo, *R. C. Mc. Gregor 10538*, Luzon, Cagayan, *Forestry Bureau 16632*.

Obs. Sporae laeves, $8-10 = 5-6\ \mu$; contextus tubulorum ex hyphis fusco-luteis $1\frac{1}{2}-4\frac{1}{2}\ \mu$; contextus pilei ex hyphis $2-6\ \mu$ gen. $3-5\ \mu$ concoloribus. — *Ganodermati vegeto* (Fr.) Bres. admodum affinis et parum diversum. Specimina vetusta vix distinguenda. Cutis pilei ex albo griseo-cana.

Ganoderma applanatum (Fr.) Bres. Champ. Hongk. p. 4, 1890. *Polyporus applanatus* Fr. Epicr. p. 465. *Polyporus nigro-laccatus* Cook. Grev. IX, p. 97 pr. p.!

Hab. ad truncos *Quercus*, *Shoreae* etc. Balabac, *L. Mangubat* 536; Luzon, Rizal, Bosoboso, *Max. Ramos* 1216; Panai, Benguet, *Merrill* 5002; Polillo, *C. B. Robinson* 9301; Luzon, Cagayan, *Forestry Bureau* n. 16867; Benguet, *Bureau of science* 8734.

Obs. Sporae laeves, $8-10 = 5-6$, demum apice truncatae; contextus hymenii ex hyphis $1\frac{1}{2}-4\frac{1}{2}$, pilei $1\frac{1}{2}-7$ μ fulvis. A typo europeo nulla nota diversum, a *Ganod. australi* Fr. colore laetiori, contextu cinnamomeo et sporis aliquantulum majoribus etc. bene distinctum. Pileus primitus semper e pulvere ferrugineo conspersus, qui e conidiis ejusdem formae et dimensionis basidiosporarum constat.

Polypori nigro-laccati Cooke duo extant in Herbario Kew specimina typica ex Insula Mauritius sub n. 2, unum huc ducendum, sc. specimen junior, alter vetustum, pileo nigricante, ad *Ganoderma galegensis* Mont. pertinet.

Ganoderma tornatum (Pers.) Bres. *Polyporus* Pers. Freyc. Voy. Bot. 1826, p. 173! *Ganoderma australe* Bres. hucusque pr. p. at Aut. plur. nec Fries.

Hab. ad truncos, Negros, *Elmer* 9756; *Curran, Forestry Bureau* n. 13748.

Obs. Sporae fusciculae, apice demum truncatae, laeves, $7-9 = 4\frac{1}{2}-6$, generatim $7-8 = 4\frac{1}{2}-5$ μ ; hyphae contextus hymenii $1\frac{1}{2}-4\frac{1}{2}$ μ ; pilei $1\frac{1}{2}-5$, raro ad ramificationem 6 μ . Cutis pilei e luride ferruginea fuscescens.

Polyporus australe Fr. species est valde proxima, sed satis distincta, sc. sporis, generatim punctato-scabris, $11-12 = 7-8$ μ , hyphis hymenii $1\frac{1}{2}-4\frac{1}{2}$, interdum usque ad 6 μ , pilei $2-7\frac{1}{2}$ μ et colore contextus pilei etiam saturatiore.

Species haec valde rara, in insulis oceani pacifici, juxta Americam occidentalem hucusque obvia. *Fomes scansilis* Berk., ex insula Juan Fernandez, est forma albinea hujus species et specimina edita sub nomine *Fomes applanatus* Pers. in Baker: Pacific Slope Fungi, no. 339, ad formam typicam *Ganodermatis australis* Fr. e contra pertinent. *Fomes chilensis* Fr. quoque huc ceu synonymon est referendus.

Ganoderma subtornatum Murr. Bull. Torrey Club, XXXIV, p. 447!

Hab. ad truncos, Luzon, Bataan, *Copeland* 189, Mt. Mariveles, *Merrill* 3691, *Forestry Bureau* 16634, 19239; Negros, *Forestry Bureau* 13751; Polillo, *Bureau of science* 10556.

A *Ganodermate tornato* sporis majoribus, hymenio fuliginеo-fusco, praesentia quandoque etiam stipitis et statura generatim majore diversum; forte tamen tantum ejus varietas.

Ganoderma ochrolaccatum (Mont.) Pat. Bull. Soc. Myc. Fr. V. p. 68. *Polyporus* Mont. Cent. III, no. 42!

Hab. ad truncos, Polillo. Mc. Gregor *Bureau of science* no. 10527; Luzon, Cagayan, Mc. Gregor, *Bureau of science* no. 10625.

Ganoderma cupreum (Fr.) Bres. Ann. Myc. IX, 1910, p. 268. *Polyporus* Fr. Nov. Symb. Myc. p. 64!

Hab. ad truncos emortuos *Arecae catechu*, Mindanao, Davao, *Copeland* 380.

Ganoderma amboinense (Lam.) Pat. l. c. p. 70.

Hab. ad truncos, Negros, Cadiz, Andres Celestino, *Bureau of science* no. 7355. — H. M. Curran, *Forestry Bureau* no. 19118.

Ganoderma balabacense Murr. Bull. Torrey Club, XXXV, p. 410 (1908).

Hab. ad truncos, Luzon, Rizal, *F. W. Foxworthy*, *Bureau of science*, no. 137; Balabac, *Mangubat* 539. Luzon, Rizal, Montalban, *Merrill* 5087.

Obs. Sporae laeves vel demum laxae granulosaе, luteae, apice demum truncatae, $9-10 = 6-6\frac{1}{2} \mu$; hyphae contextus hym. $1\frac{1}{2}-4\frac{1}{2}$, pilei $2-7 \mu$.

Pileus antice tantum cute laccata praeditus; hymenium grammatum poris in sulculis seriatim dispositis. Valde *Ganodermati mastopori* Lev. proximus a quo differt modo cute pilei ex parte laccata et poris seriatim dispositis potius quam ocellatis.

Ganoderma mastoporum (Lev.) Pat. Bull. Soc. Myc. fr. V, 1889, p. 71. *Polyporus* Lev. Champ. exot. p. 182!

Hab. ad truncos, Todaja, Davao, *Copeland* 1223.

Obs. Sporae luteo-fuscidulae, laeves, $9-10 = 6-6\frac{1}{2} \mu$; hyphae contextus hymenii $1\frac{1}{2}-5$, pilei $2-7 \mu$. Cutis opaca, haud laccata; pori ocellati.

Ganoderma Amauroderma Ramosii Murr. Bull. Torrey Club, XXXV, p. 408.

Hab. ad truncos, Luzon, Rizal, Bosoboso, *Max. Ramos* 1211.

Obs. Sporae subgloboseae, fuscidulae vel pallideae, $11-12 = 10-11 \mu$. Forte tantum forma *Ganodermatis rugosi* (Bl. et Nees) est.

Fomes (Fr.) Cooke.

Fomes pectinatus (Kl.) Gillet, Champ. p. 686 (1874). *Polyporus* Kl. in Linn. VIII, p. 485 (1833)! *Trametes lilliputiana* Speg. Fung. Puigg. no. 109! *Polyporus Bonianus* Pat. Journ. Bot. 1891, p. 311!

Hab. ad truncos, Luzon, R. C. Mc. Gregor, *Bureau of science* no. 10629.

Obs. Setulae nullae; sporae luteolae, ellipticae vel subglobosae $3\frac{1}{2}$ — $4\frac{1}{2}$ = $2\frac{1}{2}$ — $3\frac{1}{2}$ μ ; hyphae hymenii luteae, irregulares $2\frac{1}{2}$ —5, pilei 3—6 raro 7 μ quoque irregulares.

Fomes rimosus (Berk.) Cooke, Grev. XIV, p. 18. *Polyporus rimosus* Berk. Hook. Journ. Bot. IV. (1845), p. 54. *Polyporus ignarius* v. *scaber* Berk. Ann. Nat. Hist. III (1839), p. 324.

Hab. ad truncos, Luzon, Cagayan, *Bureau of science* 10626.

Obs. Sporae luteo-fulvae, $4\frac{1}{2}$ —5 = 4— $4\frac{1}{2}$ μ ; setulae nullae; hyphae contextus hymenii 2—4 μ ; pilei 2— $4\frac{1}{2}$, crasse tunicatae, aliqua tenui $3\frac{1}{2}$ —6 μ .

Fomes rimosus Berk. typicus vix inveniendus; specimen nostrum exacte cum specimine a Berkeleyo determinato uti *Pol. ignarius* v. *scaber* convenit. Etiam cum diagnosi Berkeleyana l. c. optime concordat.

Fomes albo-marginatus (Lev.) Cooke.

Hab. ad truncos, Luzon, *Forestry Bureau* 19172, 19219; Mindanao, Davao, *Copeland* 923.

Fomes tricolor Murr. sub *Pyropolyporus* Bull. Torrey Bot. Club, XXXV, 1908, p. 413!

Hab. ad truncos, Luzon, Mt. Mariveles, *Merrill* 3705.

Fomes carneus (Bl. et Nees) Cooke.

Hab. ad truncos, Luzon, Rizal, *Bureau of science* 11956.

Fomes roseo-albus (Jungh.) Bres. Ann. Myc. VIII, 1910, p. 587. *Polyporus* Jungh. Jav. p. 43! (nomen revera ineptum). *Fomes mortuosus* Fr. (1851)! *Polyporus caliginosus* Berk.! (1878). *Polyporus endapalus* Berk. Austr. Fung. no. 81 (1872)! *Corilopsis Cope-landi* Murr. (1908)!

Hab. ad truncos, Luzon, Samao, *Copeland* 147, Mindanao, Davao, *Copeland* 714.

Obs. Sporae copiosissimae, fuscidulae, 3— $3\frac{1}{2}$ = 2— $2\frac{1}{2}$; basidia clavata, 15—20 = 4—5; hyphae hymenii 2— $4\frac{1}{2}$, pilei 3—6 μ crassae.

Polyporus caliginosus Berk. typus (ex *Philippinis*) primus cum nostro prorsus identicus, sed *Polyporus caliginosus* ex Admiralty Isle est = *Polyporus caliginosus* Cesati et *Polyporus caliginosus* Murrill. Isti cum *Polyporo exotephro* Berk. prorsus sunt identici et a typo nostro differunt modo contextu pilei ex hyphis aliquantum strictioribus et habitu magis applanato, attamen ceu varietas tantum admittenda nec ut species propria. Etiam *Polyporus melaenus* Lev. valde probabiliter huc ducendus, sed specimina typica juniora, sterilia sunt ideoque dubia remanent.

Fomes adamantinus Berk. Hook. Journ. 1854 p. 141! *Fomes glaucotus* Cooke in Grev. IX, p. 12 (1880)! *Fomes pachydermus* Bres. in Hedw. Bd. LI, p. 311 (forma nigro-variegata).

Hab. ad truncos, Mindanao, Davao, Todaya, Mt. Apo. *Elmer* 11653.

Obs. *Fomes pachydermus* Bres. differt a typo Berkeleyi et Cookei forma ex aetate magis sulcato-subungulata et substantia pilei fibris nigris, cartilagineis, variegata; decetero omnia concordat ita ut nullo modo sejungi possit.

Fomes Mc. Gregori Bres. n. sp.

Pileo suberoso-lignoso, resupinato-reflexo, ex incrementis annuis profunde sulcato-zonato, zona hornotina fusco-fulva, villosa, zonis annosis glabris, nigricantibus, sublucidis, cortice tenui, 4—6 cm lato, 2 cm antice producto; tubulis stratosi, generatim strato intermedio fusco-fulvo suberoso distinctis; poris e lutescentibus obscuratis, subrotundis, 5—6 pro mm; substantia pilei tenui fusco-fulva, ex hyphis homogeneis vel crasse tunicatis, luteis, 2—3 μ crassis; sporis luteolis, ellipticis, 5—6 $\frac{1}{2}$ = 3 $\frac{1}{2}$ —4 μ ; hyphis contextus hymenii 1 $\frac{3}{4}$ —2 $\frac{3}{4}$ vix 3 μ ; setulis nullis.

Hab. ad truncos, Luzon, Benguet, Mt. Pulog, *Mc. Gregor, Bureau of science* 8970.

Obs. Habitu valde *Fomit salicini* Pers. similis, modo pileus profundius sulcatus, sed sporis coloratis, deficientia setularum etc. bene diversus.

Fomes fastuosus (Lev.) Cooke Grev. XIV, p. 18. *Polyporus* Lev. Champ. exot. p. 190!

Hab. ad truncos, Luzon, Mt. Mariveles, Bataan Prov., *Copeland* 145.

Obs. Setulae nullae; sporae globosae, aureae, 4 $\frac{1}{2}$ —6 μ d.; hyphae contextus hymenii crasse tunicatae, 2—5, pilei 2—7 $\frac{1}{2}$ μ .

Fomes Korthalsii (Lev.) Cooke, Grev. XIV, p. 19.

Hab. ad truncos, Luzon, Davao, Mindanao, Mt. Apo, 2000 m, *Copeland „E“*, Panai, *Mc. Gregor, Bureau of science* 8732, 8736.

Fomes Merrillii (Murr.) Bres. *Pyropolyporus* Murrill, Bull. Torrey Club, XXXIV, p. 479!

Hab. ad truncos, Luzon, *H. M. Curran, Forestry Bureau* 19222.

Obs. Specimen hic exhibitum formam sistit a typo colore pallidiori et sporis minus globosis, scilicet 5—6 = 4 $\frac{1}{2}$ —4 $\frac{3}{4}$ diversam, sed vix specificè distinguendum.

Fomes latissimus Bres. Ann. Myc. VIII, 1910, p. 588.

Hab. ad truncos, Mindanao, Camp. Keithley, Lake Lamac, *Clemens „Q“*.

Fomes pachyphloeus Pat. in Bres. Fungi Kamerunenses, p. 12, tab. VIII. *Elfungia Elmeri* Murrill, Bull. Torrey Club XXXIV, p. 476!

Hab. ad truncos, Luzon, Bataan, *H. M. Curran, Forestry Bureau 15587, 19240, 19253*; Polillo, R. C. Mc. Gregor, *For. Bur. 10554*.

Obs. Species haec late est distributa; specimina vidi ex America, australi (Surinam), Africa (Kamerun) et Asia. Sporae globosae $5-6 = 4\frac{1}{2}-6 \mu$ setulae fulvae tam in hymenio, quam in pileo ejusdem dimensionis et duplicis formae, scilicet tubis perpendiculares, prominulae, $15-40 = 6-12 \mu$; longitudinales, longissimae, apice fusoides, $12-15 \mu$ crasso; hyphae contextus hymenii $2-4 \mu$ crassae; hyphae contextus pilei $3-6 \mu$ una alterave 9μ .

Fomes melanoporus (Mont.) Cooke Grev. XIV, 1885, p. 20. *Polyporus* Mont. Cuba, p. 422!

Hab. ad truncos, Luzon, Bataan, *H. M. Curran. Forestry Bureau no. 15582, 16809, 19215, 19224*.

Fomes spadiceus (Berk.) Cooke, Grev. XIV, p. 20. *Polyporus* Berk. Exot. Fungi p. 388 (1839).

var. **halconensis** n. var.

Dimidiato-sessilis; pileo suberoso-lignoso, explanato, e pubescente mox glabrato, postice laxe antice dense et leviter concentricè sulcato-zonato, aetate rimoso, luride fulvo, zonis badiis, postice fuscescente, $25-30$ cm latus, $15-17$ cm longo, basi 13 mm, margine obtuso 2 mm crasso; substantia dura, luride luteo-ferruginea; tubulis stratosis, concoloribus; poris rotundatis, rhabarbarinis, $125-130 \mu$ latis.

Hab. ad truncos, Mindoro, Mt. Halcon, *Merrill 6114*.

Obs. Sporae visae paucae, flavae, vel flavidae, $4-5 = 4 \mu$; hyphae hymenii $2\frac{1}{2}-3\frac{1}{2}$, pilei $2-4\frac{1}{2} \mu$. Omnes fere *Polypori* colorati sporis hyalinis gaudentes, simul et sporas paucas coloratas habent, sic ex. gr. *Fomes fulvus, ignarius, salicinus* etc. Sporae albae in vetustis absorbuntur, coloratae remanent.

Habitu et colore *Fomitæ Korthalsii* Lev. simillimus, at colore minus fulvescente et deficientia setularum praecipue distinctus. A *Fomite fastuoso* Lev. vero etiam colore minus laetiore et structura differt.

Fomes Williamsii (Murr.) Bres. *Pyropolyporus Williamsii* Murr. Bull. Torrey Club, XXIV, p. 479! (status juvenilis), non *Fomes endothejus* Berk. *Pyropolyporus lamaensis* Murr. l. c. p. 479! (status adultus).

Hab. ad truncos, Luzon, *Merrill 5089, Forestry Bureau 15593, 16710, 19210, 19218*; Negros, *Copeland 15, Forestry Bureau 13750, 17475*; Mindanao, *Merrill 6120*; Mindoro, *Forestry Bureau 12235*; Polillo, *Bureau of science 10552*.

Fomes ungulatus (Schaeff.) Sacc. Syll. VI, p. 167. *Boletus* Schaeff. Fung. Bav. tab. 137. Bres. Champ. Hongr. p. 5 cum synonymis.

Hab. ad truncos prostratos *Pini insularis*, Luzon, Bagno, *Merrill 5005, Bureau of science 5886, 8301, 8302, 8303, 8299, Forestry Bureau 16443*.

Obs. A *Fomite ungulato* europeo nulla nota differt, nisi forte sporis, quas, iterato frustra quaesivi.

Fomes subresinosus Murrill. Bull. Torrey Club, XXXV, p. 410!

Hab. ad truncos, Luzon, Bataan, *F. W. Foxworthy 1628, Forestry Bureau 19214*, Bosoboso, Rizal, *Max. Ramos 1215*.

Fomes lignosus (Kl.) Bres. *Polyporus* Kl. Linn. VIII, p. 485 (1833)! *Polyporus Auberianus* Mont. Cuba, tab. XVI, f. 1 (1842)! *Polyporus Kamphöveneri* Fr. Nov. Symb. Myc. p. 69! *Polyporus diffusus* Fr. l. c. p. 55!

Hab. ad truncos emortuos *Bischofia javanicae*, Negros, *Copeland 13*; Luzon, Cagayan, *Bureau of science 7584*.

Obs. Species hae ex India orientali et occidentali nec non ex Africa habui et sporas nunquam inveni; hyphae contextus hymenii $1\frac{1}{2}$ —4 raro $4\frac{1}{2}$, pilei 2—7, saepe irregulares et minus tunicatae quam in hymenio.

Fomes semitostus (Berk.) Cooke, Grev. XIV, p. 21. *Polyporus* Berk. Journ. Bot. (1854), p. 143! *Fomes luzonensis* Murr. Bull. Torrey Club, XXXIV, p. 476! *Polyporus plebejus* Berk. specimen ex Himalaya! An etiam et Novae Zelandiae?

Hab. ad truncos *Dipterocarpi*, Luzon, Bataan, Mt. Mariveles, *Copeland 182, Elmer 6950*.

Obs. Specimina hornotina hujus collectionis cum specimine *Polypori plebei* B. ex Himalaya, in Herbario Kewensi existente, exacte congruit, sed typus ex Nova Zelandia non extat, ideoque de identitate dubium remanet. Diagnosis tamen Berkeleyana, in Saccardo Syll. VI, p. 200, optimae convenit ita ut vix de identitate cum typo dubitarem, tuncque ad *Polyporum plebejum* omnes supra indicati ducendi essent.

Polyporus plebejus B. in Fungi Cubenses et Fungi of Brazil aliam sistit speciem cum *Pol. hemileuco* Berk., typico, identicam.

Polystictus Fr.

Polystictus xanthopus Fr. Nov. Symb. p. 74. *Polyporus* Obs. 2, p. 235.

Hab. ad truncos et ramos, Luzon, *Clemens „K“*, *Merrill* 3605, *Elmer* 5940, *M. Curran*, *Forestry Bureau* 15576, 15578, 19221, 19247; Cagayan, *Max Ramos* 7585; Cabanatuan, *Mc. Gregor*, *Bureau of science*, 5232, 5254; Talawan, *Calion*, *Merrill* 3588; Mindoro, *Bureau of science* 6701, *Forestry Bureau* 12145; Albay, *Toal Horbor*, *Bureau of science* 6412; Luzon, *Benguet*, *Fenix*, *Bureau of science* 12863, 12872.

Obs. Sporae vix inventae, nisi cylindraceo-curvulae, $6-8 = 2 \mu$; hyphae contextus pilei $1\frac{1}{2}-3\frac{1}{4}$, pilei $1\frac{1}{2}-4\frac{1}{2}$, aliqua in cortice $-5\frac{1}{2} \mu$; pori 10—14 pro mm. Species haec, meo sensu, bene circumscripta, pileo papyraceo, vix laterali, *glaberrimo*; stipite quoque *glaberrimo* etc., dum e centro species affinis, pleuropodes, continuo inter se confluunt, uti *Pol. affinis*, *luteus*, *microloma*, *nephelodes*, *carneo-niger*, *flabelliformis* etc.

var. **florideus**. *Polyporus florideus* Berk. Dec. no. 416! *Polystictus makuensis* Cooke, Grev. XVI, p. 25! *Polystictus luteus* var. *bukobensis* P. Henn. Fung. Afr. II, p. 27!

Hab. ad ramos, Luzon, Bataan, *Copeland* 177, *Forestry Bureau* 15594, 16991, *Rizal*, *Bureau of science* 6750, Cagayan, *Forestry Bureau* 16863, *Bureau of science* 11856.

Obs. A *Pol. xanthopode* differt pileo ut plurimum excentrico, colore fusco, fere interdum nigro et poris duplo triplove majoribus, quandoque irregularibus.

Polystictus luteus (Bl. et Nees) Fr. Nov. Symb. p. 74. *Polyporus* Bl. et Nees, Fung. Jav. p. 16, tab. XIV, f. 1—5. *Polyporus vitiensis* Reich. Verhandl. k. k. Zool. Bot. Gesellsch. Wien, XXII, p. 738!

a) forma **typica**; tota unicolor.

Hab. ad ramos, Mindoro, Baco River, *Merrill* 3582.

b) forma **castanea**; pileo castaneo rufo.

Hab. ad truncos prostratos *Agathis* sp. Palawan, *Merrill* 3585.

c) formae plus minusve recedentes et ad *Pol. affinem* transcentes.

Hab. ad truncos et ramos, Mindanao, Davao, *Copeland* 151; Luzon, Bataan, *Merrill* 3071, *Rizal*, *Max Ramos* 1861, *Merrill* 5088; Polillo, *Bureau of science* 10531, *Forestry Bureau* 15809.

Obs. Sporae non inventae; hyphae contextus hymenii $1\frac{1}{2}-4$, pilei $1\frac{1}{2}-6 \mu$. Pori 7—8 pro mm.

Polystictetus affinis (Bl. et Nees) Fr.

Hab. ad truncos et ramos, Mindanao, Mt. Apo, *Copeland* 1154; Luzon, Benguet, *Elmer* 6182, *Forestry Bureau* 15773, Rizal, Bosoboso, *Max Ramos* 2147, 2152, 2154, Bataan, *Forestry Bureau* 19213, Tayabas, *Bureau of science* 9456, Laguna, *Bureau of science* 12521, Cagayan, *Max Ramos* 7587, *Forestry Bureau* 16641; Negros, *Forestry Bureau* 13727, 13733; Mindoro, *Forestry Bureau* 12148.

Obs. Sporae non visae; hyphae hymenii $1\frac{1}{2}$ —4, pilei $1\frac{1}{2}$ — $7\frac{1}{2}$; pori 10—12 pro mm. Videtur forma pleuropoda *Pol. Xanthopodi*, sed differt pileo crassiori, haud papyraceo et hyphis contextus pilei generatim aliquantulum majoribus.

Polystictetus squamaeformis (Berk.) Cooke, Grev. XIV, p. 79. *Polyporus* Berk. Hook. Journ. 1852, p. 139!

Hab. ad truncos et ramos, Luzon, Laguna, *Forestry Bureau* 19285; Polillo, *Bureau of science* 6998; Batanes, Bataan, *Bureau of science* 10690 (forma).

Obs. Sporae non inventae; hyphae hymenii $1\frac{1}{2}$ — $3\frac{1}{2}$, pilei $1\frac{1}{2}$ —4, corticis pilei 5—6 μ ; pori oblongi, angulati, ut plurimum pentagoni, 5—6 = 4—5. *Polysticto florideo* Berk. proximus, a quo praecipue pileo semper laterali, tenuiori, striato et poris magis irregularibus distinguitur.

Typus Berkeleyi hujus speciei ex Lubons fere ex integro destructus, remanente tantum stipite et minima parte pilei, sed vix dubie ad nostrum fungum pertinet, cujus habet structuram. *Polyporus squamaeformis* Ces., ex Borneo, etiamsi a Berkeleyo ipso determinatus, prorsus diversam sistit speciem cum *Polyporo cohaerente* Lev. identicam et e grege *Polypori asperi* lungh., nec *Polypori xanthopodi*.

var. **nephelodes** Lev. *Polyporus nephelodes* Lev. (ut species) Champ. Mus. p. 125.

Hab. ad truncos, Luzon, Mt. Maquiling, *Merrill* 5151, Benguet, Sablang, *Bureau of science*, 12854, 12857, 12882.

Obs. Pori 5—6 pro mm; stipes primitus supra niger, infra succineus, dein nigrescens; pileo e pallido nigrescens, interdum zonatus; hyphae hymenii $1\frac{1}{2}$ —4, pilei $1\frac{1}{2}$ — $4\frac{1}{2}$ raro una alterave 5—6 μ . Typus Leveillei deperditus, sed noster cum diagnosi leveilleana satis convenit.

Polystictetus microloma (Lev.) Cooke Grev. XIV, p. 79. *Polyporus* Lev. Champ. exot. p. 183!

Hab. ad truncos, Negros, Gimagan River, *Copeland* 6, 10, 1066; Lueban Tabayos. *Elmer* 8074; Curran, *Forestry Bureau* no. 13744; Luzon, *Bureau of science* n. 5887, 6552.

Obs. Pori 7—9 pro mm dissepimentibus crassis; hyphae contextus hymenii $1\frac{1}{2}$ — $3\frac{1}{2}$, pilei $1\frac{1}{2}$ —4 raro $4\frac{1}{2}$; sporae non inventae.

Polystictus crenatus (Berk.) Fr. Nov. Nymb. p. 75. *Polyporus* Berk. Fung. Brit. Mus. p. 372.

Hab. ad truncos et ramos, Mindanao, Davao, *Copeland 489*, Luzon, Bataan, H. M. Curran, *Forestry Bureau n. 19203, 19231*, Laguna *Bureau of science 10069*; Mindoro, *Forestry Bureau 12147*.

Obs. Specimina nostra optime cum typo *Levelleii* ex Java concordat, sed pileus non tenuis, sed crassus, 2—3 mm et valde rigidus, rufo-fuscus, interdum niger margine zona straminea; stipes quoque niger, 1 cm longus, 5—6 mm crassus, basi dilatata, pubescenti; pori 8—9 pro mm; hyphae contextus hymenii $1\frac{1}{2}$ — $3\frac{1}{2}$ μ , pilei $1\frac{1}{3}$ —6 μ . Typum Berkeleyi videre non contigit.

Polystictus pterygodes Fr. Nov. Symb. p. 76. *Polyporus* Fung. Guin. p. 12, tab. III, f. 7.

Hab. ad ramos et truncos, Luzon, Bataan, Mc. Mariveles. *Copeland 183, Merrill 3495*; Laguna, *Merrill 5152*, Benguet, Sablang, *E. Felix, Bureau of science no. 12883*.

Obs. Species haec *Polyporo flabelliformi* accedit, a quo differt pileo eximie lobato, tantum pubescente et stipite curto, tuberculi-formi. Pori 12—13 pro mm; hyphae contextus hymenii 2— $3\frac{1}{2}$, pilei $1\frac{1}{2}$ —6, crasse tunicatae; pili pilei subclavati, 60—70 = 6—7 μ .

Polystictus flabelliformis (Kl.) Fr. Symb. Myc. p. 74! *Polyporus* Kl. in *Linnea* 1833, p. 483!

Hab. ad truncos, Luzon, Cagayan, *Forestry Bureau 16823*, Bataan, *Forestry Bureau 19206*.

Obs. Viso specimine typico Musei upsaliensis declarare debeo, quod prorsus cum nostro, qualis huc usque fuit intellectus, concordat, nec cum *Polyporo modesto* Kunze prouti asserit cl. Romell.

Polystictus melanospilus Bres. n. sp.

Pileo coriaceo, flabellato, glabro, laxe zonato-subsulcato, ex albido avellaneo vel fusco-isabellino, plus minusve nigro-maculato, 4—6 cm lato, 3—4 cm longo; stipite laterali, brevi, concolori, deorsum abrupte nigro vel basi dilatata, linea nigra cincta, 1— $2\frac{1}{2}$ mm longo, 5—7 mm crasso; tubulis 1—2 mm longis; poris albis, subrotundis, dissepimentibus crassiusculis, 6—7 pro mm; decurrentibus, callo ad stipitem limitatis; substantia alba, tenui, 2 mm circiter, ex hyphis $1\frac{1}{2}$ — $3\frac{1}{2}$ μ , generatim 2—3 μ conflata; sporis non inventis; hyphis contextus hymenii $1\frac{1}{2}$ — $2\frac{1}{2}$ raro 3 μ crassis.

Hab. ad truncos, Luzon, Laguna, Mt. Banajao, *Copeland* „X Y“; *C. B. Robinson, Bureau of science* 6551, 6555.

Obs. E grege *Polysticti modesti* Kunze et *Pol. vernicipedi* Berk.

Habitu et stipite abrupte nigro videtur valde *Polyporo eleganti* var. *nummulario similis*, sed tenuior, non rigidus, potius flexibilis et structura diversa.

Polystictus Currani Murrill. Bull. Torrey Club, XXXV (1908), p. 395 (sub *Coriolus*).

Hab. ad *Pithecolobium*, Luzon, Rizal, *Max Ramos* 1866.

Obs. Species haec a *Polysticto vernicipedi* Berk. differt modo poris 5—6 pro mm, dum in *Pot. vernicipedi* sunt 4—5 pro mm, an vatis?

Polystictus brunneolus (Berk.) Fr. Nov. Symb. p. 75. *Polyporus* Berk. Hook. Journ. Bot. III. p. 187! (Majo 1844). *Polyporus murinus* Lev. Champ. exot. p. 185! (Sept. 1844).

Hab. ad truncos, Luzon, Lamao, *Copeland* 170.

Obs. Sporae non visae; hyphae contextus hymenii $1\frac{1}{2}$ — $7\frac{1}{2}$; pilei quoque, aliqua tamen — 9 saepe irregulares.

Polystictus meleagris Berk. Chall. no. 157!

Hab. ad ligna et truncos, Luzon, Lamao, *Copeland* 185, 247, *Bureau of science* 19228, Laguna, *Bureau of science* 9669, 9670; Mindanao, Davao, *Copeland* 458, 925; Polillo, *Bureau of science* 10539, Luzon, Cagayan, *Forestry Bureau* 16817, 16875.

• Obs. Sporae non visae; hyphae contextus hymenii $1\frac{1}{2}$ — $4\frac{1}{2}$, pilei $1\frac{1}{2}$ —6 raro aliqua 7—8 μ .

Polystictus malajensis Cooke, Grev. XIV, p. 13 (1885).

Hab. ad truncos, Mindanao, Davao, Todaia, 1200 m, *Copeland* 1275.

Obs. Mihi tantum forma *Polysticti discipedis* Berk.

Polystictus sanguineus (L.) Fr. Nov. Symb. p. 75. *Boletus* Linn. Spec. pl. II, p. 1646.

Hab. ad truncos, Luzon, Lueban, Tayabas, *Elmer* 8228, 8254, 8321, *Bureau of science* 5231, 10673, *Forestry Bureau* 15641, 16815, 19171; Bataan *Bureau of science* 6431; Cagayan, *Bureau of science* 7595; *Forestry Bureau* 16876; Benguet, *Bureau of science* 12885; Mindanao, *Copeland* 460; Polillo, *Bureau of science* 9054, 9085, 10551; Negros, *Bureau of science* 7361.

Polystictus elongatus (Berk.) Fr.

Hab. ad truncos, Luzon, Rizal, *Max. Ramos* 2153, Benguet, *Elmer* 8372, Bataan, *Forestry Bureau* 19197; Negros, *Forestry Bureau* 13728.

Obs. Sporae hyalinae, cylindraceo-curvulae, $4\frac{1}{2}$ —5 = $1-1\frac{1}{2}$ μ ; basidia clavata 15 = $4-4\frac{1}{2}$; cystidia fusioidea 15—18 = $4-5$; hyphae contextus hymenii $2-4\frac{1}{2}$, pilei $2-4\frac{1}{2}$ raro — 6 μ .

Mihi tantum varietas *Polysticti prolificantis* Fr. a quo differt sporis et poris aliquantulum minoribus. In *Pol. proliferante* sporae sunt 6—7 = $2-2\frac{1}{2}$ et pori fere duplo majores.

Polystictus subdealbatus (Murr.) Bres. *Microporellus subdealbatus* Murrill Bull. Torrey Club, XXXIV, p. 471.

Hab. ad truncos, Luzon, Lamao, Prov. Bataan, *Merrill 3511*.

Obs. Specimen hic exhibitum nimium vetustum pro certa determinatione; sed mihi videtur tantum forma vetusta *Polysticti elongati* Berk. Sporas non inveni, at structura tam hymenii quam pilei prorsus identica.

Polystictus suberocatus (Murr.) Bres. *Corioloopsis* Murr. Bull. Torrey Club, XXXV, p. 394.

Hab. ad truncos, Luzon, Bataan, H. M. Curran, *Forestry Bureau no. 19175*.

Polystictus polyzonus Pers. in Freyc. Voy. Fr. Epicr. p. 477.

Hab. ad truncos, Negros, Gimagan River, *Copeland 4, 5, 9*; Mindanao, Davao, Malita, *Copeland 668, 876*.

Obs. A *Polysticto hirsuto* var. *fibula* differt modo colore fusco et hyphis praecipue pilei aliquandulum crassioribus. Sporas non vidi.

Polystictus hirsutus (Wulf.) Fr. var. *fibula* Fr. Epicr. p. 475 (ut species). *Polyporus vellereus* Berk. Hook. Journ. 1842, p. 455!

Hab. ad truncos, Mindanao, Lake Lamao, Camp Kerthley, Mary Strong *Clemens „N“*, Mindoro, Mt. Halcon, *Merrill 6116*.

Obs. A *Polysticto polyzono* Pers. differt colore etiam in vetustis albo, demum stramineo, nec fuscescente et hyphis tam hymenii quam pilei magis irregularibus et generatim 1 μ strictioribus. A *Pol. hirsuto* Wulf. typico pileo tenuiori, constanter unicolori et margine acuto mox distinguitur.

Polystictus Berkeleyi Bres. *Hexagonia pergamenea* Berk. et Br. Ceyl. Fung. n. 526! *forma*.

Hab. ad truncos, Luzon, Mt. Mariveles, *Elmer 6911*, H. M. Curran, *Forestry Bureau 19198, 19250*; Rizal M. Ramos, *Bureau of science no. 12551*.

Obs. A typo differt pileo magis papyraceo et poris generatim aliquantulum minoribus, saepe elongatis et irpicoideis, sed valde variantibus quoad formam et dimensionem. Structura uti in *Polysticto floccoso*, cui valde affinis.

Polystictus floccosus (Jungh.) Fr. Nov. Symb. p. 79. *Polyporus* Jungh. Java p. 49! *Polystictus acutus* Cooke, Grev. X, p. 32 (*Trametes*) Sacc. Syll. VI, p. 243!

Hab. ad truncos, Luzon, Benguet, *H. M. Curran, Forestry Bureau no. 15643.*

Obs. Sporae non inventae; hyphae contextus hymenii $1\frac{1}{2}$ —4 raro $4\frac{1}{2}$ μ homogeneae, luteolae; pilei $1\frac{1}{2}$ — $6\frac{1}{2}$ homogeneae, tenues aut crassiuscule tunicatae, interdum irregulares.

Polystictus substigiis Berk. et Br. in Cooke Proec. Pol. n. 522.

Hab. ad ligna, Luzon, Mt. Marivelles, 267—333 m, *Copeland 144, 192.*

Obs. Species habitu et praecipue zonis densis pilei *Fomitipectinati* Kl. accedere videtur at tubi non stratosi et potius *Polystictolcnoidi* Mont. proxima. Pileus dimidiatus, semiorbicularis, basi plus minusve adnatus vel etiam decurrens, convexus, e tomentosulo glabratus, dense concentrice sulcato-zonatus, primitus luteo-umbrinus, dein fuscidulus, 4—6 cm latus, 3— $3\frac{1}{2}$ cm longus; substantia dura, luride cinnamomea linea coriacea nigra percursa, 1—2 mm crassa; tubuli subconcolores, 2 mm longi, pori demum fusci, parvi, 7—8 pro mm.

Polystictus callimorphus Lev. Champ. Mus. p. 133. *Polyporus spurcus* Lev. Champ. Mus. p. 135!

Hab. ad truncos, Culion, *Merrill 3607.*

Obs. Hyphae hymenii 2—3 μ crassae; setulae fulvae, 18—24 = 5—7 μ ; sporae non inventae. Species haec colore laetiori, pileo magis applanato a *Polystictolcnoidi* Mont. distinguitur.

Polystictus microcycelus Lev.

Hab. ad truncos, Luzon, Rizal, *Max. Ramos 1860, F. W. Foxworthy 84, Montalban 5086, Bataan, Merrill 3707; Polillo Bureau of science 6836.*

Polystictus cichoriaceus Berk. in Fr. Nov. Symb. p. 92!

Hab. ad truncos, Negros, *Elmer 9520, Forestry Bureau 19111, Bureau of science 7353; Luzon, Bureau of science 8975; Abra, Bureau of science 7305.*

Polystictus abietinus (Dicks.) Fr.

Hab. ad truncos, Luzon, Benguet, Bagnio, *R. C. Mc. Gregor, Bureau of science no. 8309.*

Obs. Cum typo europeo identicus; sporae hyalinae, cylindraceo-curvulae 7—9 = $2\frac{1}{2}$ —3 μ ; basidia clavata, 12—15 = 3—4 μ ; cystidia clavata vel capitata, ex furfuraceis-laevia, 20—30 = 4—6 μ ; hyphae contextus tubulorum 2— $4\frac{1}{2}$ μ crassae.

Polystictus cervino gilvus (Jungb.) Fr. Nov. Symb. p. 94. *Polyporus* Jungb. Jav. p. 49, tab. 24! *Polyporus Peradeniae* Berk. et Br. Jour. Bot. Linn. Soc. XIV, p. 51! *Polyporus dermatodes* Lev. Bon. p. 180, pl. 138, f. 2! *Hexagonia vitellina* Ces. Myc. Born. p. 8!

Hab. ad truncos, Mindanao, S. Ramon, *Copeland* 492, 733; Luzon, Bataan, *Forestry Bureau* 15584, 19216, Cabanatuan, *Bureau of science* 5239; Mindoro, *Bureau of science* 6669.

Obs. Specimina originalia specierum in Synonymiam adductarum vidimus et nullam differentiam invenimus.

Polystictus occidentalis (Kl.) Fr. Nov. Symb. p. 90. *Polyporus* Kl. Linn. VIII, p. 486. *Trametes scalaris* Fr. Fungi Nat. p. 12! *Trametes Wahlbergii* Fr. l. c. p. 11! *Trametes deveza* Berk. Austr. Fung. no. 99 (forma obesa)! *Polyporus illotus* Kalchbr. Grev. X, p. 102!

Hab. ad truncos, Polillo, Mc. Gregor, *Bureau of science*, no. 10523; Luzon, Tagadia, R. C. Mc. Gregor, *Bureau of science* 10695, Bataan H. M. Curran, *Forestry Bureau* 19248; Mindanao, Davao, *Copeland* 491. Luzon, Benguet, *E. Fenix*, *Bureau of science* 1284; Manila, *E. E. Schneider*, *Forestry Bureau* 19484, 19489.

Polystictus Meyenii Kl. var. **obstinatus** Cooke (utspecies). *Coriolus maximus* Murrill Bull. Torrey Club, XXXIV, p. 467 non *Irpex maximus* Mont.!

Hab. ad truncos, Luzon, Lamao, *Copeland* 174, *Forestry Bureau* 15580, 15581, 19187, *Bureau of science* 6734, 11957; Mindanao, Davao, *Copeland* 712, 767; Balabac, *Mangubat* 534.

Forma **cornea** Pat. sub *Trametes*, ut species.

Hab. ad truncos, Mindoro, *Whitford* 1438.

Obs. Sporas non vidimus; hyphae contextus hymenii $1\frac{1}{2}$ —4 raro — $4\frac{1}{2}$, pilei $1\frac{1}{2}$ —6 raro 7 interdum irregulares.

Polyporus Meyenii typicus differt pileo minus rigido et hyphis hymenii $1\frac{1}{2}$ — $6\frac{1}{2}$ μ crassis; *Trametes cornea* Pat. est forma minor, elegantior, pileo velutino.

Poria subambigua Bres. Fungi Cong. n. 23.

Hab. ad ramos, Luzon, Tayabas, *Elmer* 7558.

Obs. Species haec in tropicis late distributa, jam ex America australi, ex Africa et ex Philippinis obvia.

Poria borbonica Pat.

Hab. ad truncos, Luzon, Benguet, Sablang, *Bureau of science* 12888.

Trametes Fr.

Trametes acuta Lev. Champ. exot. p. 196.

Hab. ad truncos, Luzon, Bataan, *Copeland 165*; *H. M. Curran, Forestry Bureau 15579, 16633*; Union, *Bureau of science 12993*.

Obs. Sporae hyalinae, obovatae, 1 guttulatae, $4\frac{1}{2}$ —5 = 3 — $3\frac{1}{2}$ μ basidia clavata 18—20 = 4—5 μ ; hyphae hymenii $1\frac{1}{2}$ —4, pilei $1\frac{1}{2}$ —7 ex parte regulares et crasse tunicatae et ex parte tenues et irregulares; pori $\frac{1}{3}$ mm; pileus ex cinereo cinereo-fulvus; substantia e pallida straminea, dein fulvescens.

Typum Levellei non vidimus, nec, in quantum scio, amplius existit, sed fungus noster optime cum diagnosi levelleiana concordat.

Trametes lactinea Berk. f. **conchata** Berk. Chall. n. 215 ut species.

Hab. ad truncos, Luzon, Cagayan, *H. M. Curran, Forestry Bureau no. 16814, E. Baccani no. 16878*.

Obs. Sporae non inventae; hyphae hymeniales $1\frac{1}{2}$ — $4\frac{1}{2}$, una alterave 5—6 μ ; hyphae pilei saepe irregulares, majores tenues, minores crasse tunicatae, $1\frac{1}{2}$ —10 μ . A typo differt forma paullulum arcuata et colore minus candido.

Trametes gibbosa (Pers.) Fr. Epicr. p. 492. *Daedalea* Pers. Syn. p. 501.

Hab. ad truncos, Luzon, Panai, Benguet, *Merrill 5004, Bureau of science 8737, 8740*; Boretoc, *Forestry Bureau 15956*.

Obs. A typo europeo nulla nota diversa; specimina generatim majuscula, valde elongata; sporae hyalinae, cylindraceo-curvulae, $4\frac{1}{2}$ —6 = 2 — $2\frac{1}{2}$ μ ; basidia clavata, 20—24 = 5—6 μ ; hyphae hymenii $1\frac{1}{2}$ — $4\frac{1}{2}$, pilei 2 — $6\frac{1}{2}$ μ aliqua irregularis.

Trametes scopulosa (Berk.) Bres. Bas. Phill. I, p. 317.

Hab. ad truncos, Luzon, *Merrill 5150, 5280*; Negros, *Copeland 12, 17*; Mindanao, Davao, *Copeland 655, 1308*.

Trametes corrugata (Pers.) Bres. l. c. p. 316.

Hab. ad truncos, Luzon, Bataan, *Merrill 3504, Forestry Bureau 19194, 15589*, Cagayan, *Bureau of science 7581*, Benguet, *Bureau of science 12880, 12890*, Rizal, *Bureau of science 11941*; Polillo, *Bureau of science 10350*.

Obs. *Polyporus tostus* Berk. et *Polyporus aruensis* Berk., meo sensu, formam vetustam, nigricantem hujus speciei sistunt. Structura, forma, pori etc. prorsus identici, tantum pileo nigricante, quod certe ex aetate pendet, differunt. Hucusque e Philippinis ullum specimen accepi, quod mirandum si revera bona esset species.

Trametes strigata (Berk.) Bres. *Polyporus strigatus* Berk. Dec. of Fungi no. 174! *Polyporus xerophyllaceus* Curr. Indian Fungi p. 124, Pl. 20, f. 1—2! *Fomes Currey* Berk. in Grev. XV, p. 21.

Hab. ad truncos, Luzon, Mt. Arayat, Pampanga, *Merrill 5031*, Union, Banang, *Elmer 5710*; Polillo, *Robinson, Bureau of science 9288*.

Obs. Sporae non inventae; hyphae contextus tubulorum $1\frac{1}{2}$ —5 μ ; pilei $1\frac{1}{2}$ —7. Structura omnino ut in *Tram. badia* etc. sed major, crassior et colore minus obscuro diversa.

Trametes fuscella Lev. in Zoll. Verz. 17. Plantae Jav. no. 3288!

Hab. ad truncos, Luzon, Union, *Bureau of science 12992*, Benguet, *Bureau of science 12845*.

Obs. Sporae non visae. Structura exacte ut in *Tramete strigata*, a qua pileo minus radiato-sulcato et potius radiato-striguloso distinguitur.

Trametes badia Berk. Hook. Journ. 1842 p. 151!

Hab. ad truncos, Luzon, Camarines, et Bataan, *Forestry Bureau 12297, 19204*, Cabanatuan, *Bureau of science 5230*; Mindanao, Davao, *Copeland 478*; Polillo, *Bureau of science 9280*; Mindoro, *Forestry Bureau 12149*.

Obs. *Polyporus asper* Jung., *Trametes badia* Berk., *Polyporus strigatus* Berk., *Fomes Currey* Berk. (= *Pol. xerophyllaceus* Curr. non Berk.), *Trametes fuscella* Lev. et *Trametes discolor* Sacc. et Berl. mihi tantum formae unius speciei. Formae typicae satis distinguuntur, sed formae intermediae, dubiae, plurimae adsunt; etiam structura identica et tantum in *Polyporo aspero* hyphae hym. aliquantulum crassiores.

Trametes aspera (Jungh.) Bres. *Polyporus asper* Jungh. Jav. p. 60!

Hab. ad truncos, Luzon, Bataan, Mt. Marivelles, *Copeland 158* pr. p.

Obs. Sporas non vidi; hyphae contextus hymenii et pilei $1\frac{1}{2}$ —7 μ .

Daedalea Pers.

Daedalea confragosa (Bolt.) Pers. Syn. p. 501. *Boletus* Bolt. Hist. Fung. Suppl. 3, p. 160, Murrill, North-Amer. Flora, IX, p. 126.

Hab. ad truncos, Luzon, Benguet, Mt. Pulog, *Forestry Bureau 16438*.

Obs. Sporas non vidimus, sed structura et notis macroscopicis cum forma europea ad *Salices* bene convenit.

Cl. Murrill l. c. amplam habet synonymiam, cui libenter subscribimus etiam *Trametem Bulliardi* Fr. adjungens, quae magis ad nostram accedit.

Daedalea tenuis Berk. in Hook. Journ. 1842, p. 151!

Hab. ad truncos, Luzon, Prov. Bataan, *M. Curran, Forestry Bureau 19235, 19237*, Benguet, Sablang, *E. Fenix, Bureau of science 12889* (forma ad *D. flavidam* accedens).

Obs. Specimina hic exhibita sub no. 19235 et 19237 prorsus identica cum typo Berkeleyi. Sporae, si genuinae, subglobosae, $4 = 3 \mu$; hyphae contextus hym. $1\frac{1}{2}$ — $4\frac{1}{2}$, una alterave 5 — $5\frac{3}{4} \mu$; hyphae pilei $1\frac{1}{2}$ — 6 generatim 3 — $5\frac{3}{4}$.

Daedalea lurida Lev. Ann. Sc. nat., 1844, XI, p. 197! *Daedalea microzona* Lev. Champ. Mus. p. 142, Zollinger Pl. Jav. no. 2060! *Trametes lobata* Berk. Hook. Journ. 1851, p. 84! *Daedalea subconfragosa* Murr. Bull. Torrey Club, XXXV, p. 415!

Hab. ad truncos, *Eugeniae jambolanae*, Luzon, Rizal, *F. W. Foxworthy 22*.

Obs. Sporae subglobosae, hyalinae vel membrana interna colorata, 4 — $4\frac{1}{2} = 3\frac{1}{2}$ — $4\frac{1}{2}$; basidia clavata, $12 = 3$ — 4μ ; hyphae subhymeniales hyal. irregulares, 1 — 4μ ; contextus tubulorum coloratae, 3 — 4 rarissime 5μ ; hyphae contextus pilei $1\frac{1}{2}$ — $5\frac{1}{2} \mu$.

Daedaleae tenui B. valde affinis et praecipue hymenio ex maxima parte poroso, poris minoribus, distincta.

Daedalea pruinosa Lev. Ann. Sc. Nat. 1894, XI, p. 198! *Hexagonia glabra* Lev. Champ. Mus. p. 143! *Sistotrema ochroleucum* l. c. p. 145! *Daedalea Flabellum* Berk. in Grev. XIX, p. 93! *Daedalea isabellina* Murr. l. c. p. 414!

Hab. ad truncos, Luzon, Benguet, *Elmer 6186*; Rizal, *Foxworthy 119*, Union, *Bureau of science 12994*, Bataan, *Forestry Bureau 19225*.

Obs. Sporae hyalinae, globosae, 3 — $4\frac{1}{2} = 3$ — 4μ ; basidia 10 — $14 = 3$ — 4μ ; hyphae contextus hymenii $1\frac{1}{2}$ — 6μ ; pilei 1 — 7 crasse tunicatae.

Daedalea Hobsoni Berk. Journ. Linn. Soc. XIII, p. 165 (1872)! *Daedalea aulacophylla* Berk. l. c. p. 166! *Daedalea Schombourghii* Berk. in Cooke, Austr. Fungi in Grev. 1882, p. 133! (nomen) Sacc. Syll. VI, p. 376! *Lenzites Guilfoylei* Berk. in Grev. 1881, p. 64.

Hab. ad truncos, Luzon, Prov. Union, Banang, *Elmer 5745*.

Obs. Sporae hyal. 3 — $4\frac{1}{2} = 3$ — 4μ ; basidia 12 — $14 = 3$ — 4μ ; hyphae contextus hymenii $1\frac{1}{2}$ — $4\frac{1}{2}$ raro 5 — 6 ; pilei $1\frac{1}{2}$ — 6μ . Valde *Daedaleae pruinosae* proxima a qua praecipue distinguitur hymenio fere ex integro lamellato, lamellis demum transverse sulcatis; vix tamen specificè distinguendam esse existimarem.

Daedalea flavida Lev. Champ. exot. 1844, p. 198. *Polyporus lenziteus* Lev. in Zollinger Verz. p. 17 (1854)!

Hab. ad truncos, Luzon, Lamao, *Copeland* 42, 187, 188, Rizal, *Max. Ramos* 1868, *Merrill* 3696, 5084; Bataan, *Curran* 6492, 6493; Balabac, *Mangabat* 510; Mindoro, Bengabong River, *Whitford* 1419; Mindanao, *Clemens* „O“, Luzon, Cabanatuan, Mc. Gregor, *Bureau of science* no. 5255, Bataan Curran, *Forestry Bureau* no. 15566, 15571, 15586; Mindoro, Bulalacas, *C. R. Robinson*, *Bureau of science* 6670; Luzon, *Max. Ramos*, *Bureau of science* no. 7590, *E. Fenix*, *Bureau of science* 12869, 12995.

Obs. Species haec, quoad hymenium mire varians, modo perfecte polyporea, modo centro polyporea, ambitu lamellata, modo daedaloidea, at semper tenuis, poris vel lamellis strictioribus. Sporae hyalinae vel rarius circulo interno aureo, $3\frac{1}{2}$ — $4\frac{1}{2}$ = 3—4; basidia 10—12 = 3—4; hyphae contextus hymenii 1—4, raro $4\frac{1}{2}$, pilei 1—5 μ .

Daedalearum omnium hic commemoratarum specimina originalia vidimus. *Daedalea tenuis* et *D. lurida* tenuiores sunt, *Daedalea flavida* aliquid crassior, *Daedalea pruinosa* et *D. Hobsoni* hymenio ex tubulis vel lamellis duplo triplo latoribus distinguuntur. Valde tamen sunt affines et forsitan tantum varietates unius speciei, preeunte jam cl. C. G. Lloyd in „Synopsis of the genus Hexagona“ p. 31.

Elmerina Bres.

Elmerina cladophora (Berk.) Bres. in Hedw. Bd. 51, p. 319. *Hexagonia cladophora* Berk. Chall. n. 221!

Hab. ad truncos, *Dipterocarpi verniciflui*, Luzon, Rizal, Boso-boso, *M. Ramos*, *Bureau of science* 1213, Nueva Ecija, Cabatuan, Mc. Gregor, *Bureau of science* 5272.

Elmerina vespacea (Pers.) Bres. l. c. cum plurimis synonymis. *Daedalea aulaxina* Lev. Champ. exot. p. 197! *Lenzites nivea* Cooke, Grev. XV, p. 94!

Hab. ad truncos, Luzon, Bataan, *Forestry Bureau* 19188, 19244.

Obs. Nunc et specimina originalia *Daedaleae aulaxinae* et *Lenzitis niveae* vidimus; prima ad formam daedaloideam, altera at formam lenzitoideam pertinent.

Cyclomyces Kunze et Fr.

Cyclomyces fuscus Kunze in Sieb. Crypt. exsicc. no. 63.

Hab. ad truncos, Luzon, Benguet, *Elmer* 6448, Tayabas, Lueban, *Elmer* 7543, Mt. Banajo, *Copeland* 2124.

Hexagonia Fr.

Hexagonia apiaria Pers. in Freyc. Voy. p. 172 (1826). *Hexagonia Königii* Berk. Fungi Brit. Mus. p. 379 n. 30!

Hab. ad truncos, Luzon, Bataan, H. M. Curran, *Forestry Bureau* 19226.

Obs. Sporae non visae; pori intus floccosi e cespitulis hypharum variae formae, hyphae contextus hymenii 2—6, pilei $1\frac{1}{2}$ —7 μ .

var. **Wightii** Kl. Linn. VII, p. 200, tab. 10 ut species!

Hab. ad truncos, Luzon, Tayabas, H. M. Curran, *Forestry Bureau* no. 15931, Cagayan, *Forestry Bureau* no. 16882.

Obs. Hyphae contextus hymenii $1\frac{1}{2}$ —5, pilei $1\frac{1}{2}$ —5 una alterave — $5\frac{3}{4}$ μ ; caespituli tubulorum uti in typo. A typo differt modo structura ex hyphis aliquantulum strictioribus.

Hexagonia Deschampsii Hariot in Bull. Soc. Myc. fr. 1891, p. 207!

Hab. ad truncos, Luzon, Bataan, H. M. Curran, *Forestry Bureau* no. 19223.

Obs. Species haec, meo sensu, est var. subglabra *Hexagoniae Wightii* Kl. Pori intus floccosi; hyphae contextus hymenii 2— $4\frac{1}{2}$ raro —5 μ ; contextus pilei 2—5 vivide luteae; pileus basi fibris raris, demum detritis, praeditus. Cum typo, quocum comparavi, optime convenit.

Hexagonia sulcata Berk. Decad. of Fungi n. 183 tab. XX, f. 1.

Hab. ad truncos, Luzon, Tayabas, Laguimanoc, *Merrill* 4026, 4027.

Obs. Species pulchra, usque ad 15 cm lata, 8 cm longa; tubuli 2— $2\frac{1}{2}$ cm longi, pori irregulares, 2—3 vel 3 = 2 mm; pileus demum nigrescens; hyphae contextus tubulorum $1\frac{1}{2}$ — $4\frac{1}{2}$ μ ; pilei 2—4; cystidia fusioidea, 29—40 = 6—8 μ , scabra. Sporae non inventae.

var. **applanata** = *Favolus resinosus* Murrill, Bull. Torrey Club, 35, p. 398.

Hab. ad truncos, Luzon, Rizal, Bosoboso, *Max Ramos* 1214.

Obs. Haec collectio continet specimina, quorum structura cum illa *Hexagoniae sulcatae* typicae ad unguem concordat. Etiam cystidia copiosa adsunt. Differt modo forma pilei applanata, ad marginem tantum 1—2 sulcata. Pileus vix resinosus.

Hexagonia durissima Berk. et Br. Fungi of Ceyl. no. 542! *Favolus resinosus* Murrill l. c. pr. p.

Hab. ad truncos, Luzon, Bataan, Mt. Mariveles, 400 m, *Copeland* 151.

Obs. Specimina hujus collectionis multo minora, 3—4 cm lata, 2 cm longa, mox nigrescentia, colore substantiae primitus magis subcarneo coloratae. Structura identica cum *Hexagonia sulcata*, sed cystidia non adsunt. In pileo adsunt tantum maculae resinosae et adsunt pilei integri absque resina ideoque dubitandum quod talis nota sit constans. Cum typo Berkeleyano comparavimus.

Hexagonia bivalvis (Pers.) Bres. Hedw. Bd. 51, p. 318. *Polyporus bivalvis* Pers. in Freyc. Voy. Bot. p. 168 (1826). *Hexagonia tenuis* Aut. pl.!

Hab. ad ramos, Luzon, Prov. Benguet, *Elmer 5947*; Mindanao, Lake Lamao, *Clemens „P“, Cagayan, Bureau of science 10623*.

Obs. Sporae non inventae; hyphae contextus hymenii 2—3 raro 4; contextus pilei 2—4 raro $4\frac{1}{2}$ μ . Pileus jam primitus opacus, luride lignicolor; pori 2—3 pro mm.

var. **pulchella** Lev. Champ. exot. p. 200 ut species. Zollinger, Pl. Jav. no. 1185! *Hexagonia tenuis* Aut. pl.

Hab. ad ramos, Luzon, Bataan, *Copeland 158, 248, Forestry Bureau 15572, 19241*; Benguet, *Merrill 3708, Elmer 6141, 6934*; Rizal, Cabanatuan, *Bureau of science no. 1862, 5245*; *Max. Ramos 1862*; Mindanao, Davao, *Copeland 519, 832*; Luzon, Benguet, Sablang, *E. Fenix, Bureau of science 12842, 12844*.

Obs. Ab *Hexagonia bivalvi* typica differt pileo nitente, vetustate tantum opaco et poris intensius coloratis; structura et pori identici.

Forma **retro-picta**. Differt a typo pileo crassiori, generatim intensius subsulcato-zonato, postice rubro-nigro maculato et poris obscurioribus. Cetera omnia concordant.

Hab. ad ramos Luzon Rizal *Merrill 5090 Robinson Bureau of science 6749 Benguet, Elmer 6180, Carines, Forestry Bureau 12296, Bataan, Forestry Bureau 19230*.

Obs. *Hexagonia tenuis* (Hook.) species est occidentalis, in oriente hucusque nondum inventa; saltem a me in Herbariis et in plurimis speciminibus mihi communicatis, nunquam visa. A supra elencatis differt praecipue poris majoribus et structura ex hyphis — 6 μ crassis conflata. *Hexagonia polygramma* Mont. est ejus var. *macropora*; prouti forte *Hexagonia Thwaitesii* Berk. est forma macropora *Hexagoniae bivalvis* Pers.

Hucusque Auctores, qui ex oriente *Hex. tenuem* et *Hex. polygrammam* citant, certe prae oculis habuerunt *Hex. bivalvem* (*Hex. tenuis*) et *Hex. Thwaitesii* (*Hex. polygramma*).

Hexagonia tabacina Lev. in Zoll. Verz. p. 17. Plantae Jav. no. 1442!

Hab. ad truncos, Mindanao, Davao, Mt. Opo, 2063 m, *Copeland 1067*; Luzon, Benguet, *Bureau of science 12824*.

Obs. Species haec non genuina *Hexagonia*, sed *Polystictus* a *Polysticto cichoriaceo* pileo crassiori, minus nitido et poris aliquantulum majoribus diversa, at vix dubie tantum ejus varietas.

Favolus Fr.

Favolus megaloporus (Mont.) Bres. *Polyporus* Mont. Guy. no. 339! *Favolus princeps* Berk. et C. Fungi no. 317!

Hab. ad truncos emortuos, Luzon, Nueva Vizcaya, *Max. Ramos 8282*.

Obs. Species quoad colorem variat pileo ex integro alataceo, vel alutaceo striis nigris, vel nigro striis alutaceis; hymenio ex alutaceo fuscescente; copiose a cystidiis fulvo-fuscis, fusoideis, raro simplicibus, sed ut plurimum utrinque aculeatis. *Polyporus coracinus* Murrill differt tantum hymenio polyporoideo. Sporae hyalinae, oblongae, $9-12 = 4-5 \mu$; basidia $12-15 = 4-5 \mu$; cystidia $18-40 = 6-15 \mu$; hyphae hymenii hyalinae $2-4\frac{1}{2}$ crasse tunicatae; hyphae contextus pilei, subfumosae, irregulares $1\frac{1}{2}-9 \mu$ tenuiter tunicatae.

Favolus philippinesis Berk. Hook. Journ. 1842 p. 148; f. *obscurata*.

Hab. ad truncos, Luzon, Bataan, *Copeland 1407*; Polillo, *Mc. Gregor, Bureau of science 10529*; Negros, *H. M. Curran, Forestry Bureau 19107*.

Obs. Sporae hyalinae, oblongae, uno latere depressae, $6-8 = 3-3\frac{1}{2}$; hyphae hymenii $2-4 \mu$ raro $4\frac{1}{2}-6 \mu$; pilei $1\frac{1}{2}-4$ raro $4\frac{1}{2} \mu$.

Specimina hic exhibita a typo Berkeleyi differt statura majore et colore fusco, quo magis ad *Favolum Junghuhnii* Lev. accedit a quo poris duplo majoribus tantum differt.

Favolus tener Lev. Champ. exot. p. 202.

Hab. ad truncos, Negros, Gimazan River, *Copeland 20*; Luzon, Cagayan, *Bureau of science no. 7586*.

Favolus tenuissimus Lev. Champ. exot. p. 202.

Hab. ad truncos, Mindanao, Davao, Malita, *Copeland 682*.

Gloeoporus Mont.

Gloeoporus dichrous (Fr.) Bres. *Polyporus* Fr. Obs. I, p. 125 (1815). *Boletus thelephoroides* Hook. in Kunth Syn. p. 10! *Polystictus thelephoroides* (Hook.) Sacc. Syll. IV, p. 284. *Polyporus nigro-purpurascens* Schw. Am. Bor. no. 360. *Gloeoporus conchoides* Mont. Cuba p. 385, tab. 15, f. 1! *Gloeoporus candidus* Speg. Fungi

Guar. Pug. I, no. 56! *Thelephora dolosa* Lev. Champ. exot. p. 209! (status juvenilis, subresupinatus).

Hab. ad truncos, Mindanao, Davao, Mt. Apo, 2000 m, *Copeland 1075*; Luzon, Rizal *F. W. Toxworthy 79*.

Obs. Sporae hyalinae, cylindraceo-curvulae, $4-5 = 1-1\frac{1}{2} \mu$; basidia clavata, $12-15 = 3-4 \mu$; hyphae hymeniales, molles, protoplasmate granuloso farctae, septatae, saepe nodosae, $1\frac{1}{2}-3$ raro 4μ ; hyphae pilei vacuae, homogeneae vel crassiuscule tunicatae, subirregulares, ramosae, $2-5$ aliqua 6μ . Substantia pilei in sicco semper suberoso-spongiosa, linea cornea ab hymenio sejuncta; hymenium ex albido carneum vel roseum, demum nigrescens, e gelatinoso cartilagineum, fere subcorneum.

Laschia Fr.

Laschia caespitosa Berk. var. *manipularis* Berk. Hook. Journ. 1854 p. 229.

Hab. ad ligna, Negros, Dumagaetc, *Elmer 10163*.

Obs. Sporae hyalinae; subglobosae, $6-7 = 5-6 \mu$.

Irpex Fr.

Irpex flavus Kl. Linn. VIII, p. 488 (1833)! *Polyporus flavus* Jungh. Jav. p. 46! *Corioloipsis melleo-flava* Murr. Bull. Torrey Club, XXXV, p. 393!

Ad truncos, Negros, *Copeland 26*; Luzon, Union, *Elmer 5747*, Benguet, *Elmer 6183*, Bureau of science 12879, Rizal, Bureau of science 11958, Bataan, Forestry Bureau 19243, Cagayan, Forestry Bureau 16865, Manila, Forestry Bureau 19485.

Obs. Sporas non inveni; cystidia flaccida, e clavato fusioidea, $30-40 = 4-6 \mu$; hyphae hymenii flavo-citrinae, $2-3\frac{1}{2} \mu$; pilei $2-5$. *Polyporus flavus* Jungh., prouti e comparatione speciminum elicit, prorsus cum *Irpice flavo* Kl. identicus.

Cladoderris Pers.

Cladoderris infundibuliformis (Kl.) Fr. Fungi Nat. p. 21. *Actinostroma inf.* Kl. Fung. Meyen. p. 237 (1843). *Thelephora lamellata* Berk. et C. Sillim. Jour. 1851, p. 94.

Hab. ad truncos, Luzon, Rizal, Bosoboso, *Max. Ramos 1184*.

Obs. Sporae hyalinae, $4-5 = 3-4 \mu$; basidia clavata $25-30 = 6-8$; cystidia ventricosa $25-35 = 8-10$; hyphae hymeniales $2-4\frac{1}{2}$, homogeneae, regulares; hyphae pilei stramineae, septatae, saepe ad septa nodosae, regulares, crassiuscule tunicatae, $2-4\frac{1}{2} \mu$.

Cladoderris elegans (Jungh.) Fr. l. c. p. 21. *Cymatoderma* Jungh. Ann. Sc. Nat. 1841, p. 320.

Hab. ad truncos, Luzon, Rizal, Bosoboso, *Max. Ramos 1189*.

Obs. Sporae (?) $4 = 3-3\frac{1}{2}$; basidia $20 = 5-6$; hyphae hymeniales $2-4\ \mu$.

Cladoderris crassa (Kl.) Fr. l. c. p. 21. *Actinostroma* Kl. l. c. p. 237.

Hab. ad truncos, ligna, Mindanao, Davao, *Copeland „A“*; Negros, Polocpo, *Elmer 9667*.

Obs. Sporae (?) $4 = 3$; basidia $20 = 22 = 5-6$; hyphae hym. $2-4\ \mu$. Species haec, meo sensu, tantum forma hymenio minus evoluto *Cladoderris elegantis* (Jungh.) est. *Cladoderris dendritica* Pers. typica, hymenio deliquescente, valde videtur diversa.

Stereum Pers.

Stereum ostrea (Bl. et Nees) Fr.

Hab. ad truncos, Luzon, Benguet, Panai 2100 m, *Bureau of science 8709*.

var. **concolor** (Jungh.) Bres. *Stereum perlatum* (Berk.).

Hab. ad truncos, ramos, Luzon, Rizal Prov. Bosoboso, *Max Ramos 1210*; Mt. Mariveles, *Elmer 6956*, *Copeland 159*; Benguet, *Elmer 5939, 6044*; Mindanao, *Merrill 5461*, *Clemens „4“*, Mt. Apo, 1800 m, *Copeland 1185*; Mindoro, *F. W. Foxworthy 1439*; Baco River, *Merrill 3580*; Negros Gimagaan River, *Copeland 24*; Pampanga Mt. Arayat, *Merrill 3844*; Negros, A. Celestino, *Bureau of science 7357*; Polillo, R. C. Mc. Gregor, *Bureau of science no. 10555*; Luzon, Cagayan, *Max. Ramos, Bureau of science 7303, 7583*; H. M. Curran, *Forestry Bureau 16824*.

Stereum princeps (Jungh.) Sacc.

Hab. ad truncos, Polillo, R. C. Mc. Gregor, *Bureau of science no. 10547*.

Stereum Friesii Lev.

Hab. ad truncos, Negros, *Elmer 7216*.

Stereum frustulosum (Pers.) Fr. Epicr. p. 552.

Hab. ad ligna, Mindanao, Camp Keithley, *Clemens „X“*.

Stereum annosum Berk. et Br. Fung. of Ceyl. no. 600!

Hab. ad truncos, Polillo, *Mc. Gregor, Bureau of science no. 10548*.

Obs. Hyphae contextus tenues, conglutinatae, indistinctae, commixtis crassioribus, distinctis, $3-4\ \mu$, apice clavatis $5-6\ \mu$. Sporae non visae. Species valde *Stereo frustuloso* Pers. affinis et forstan status ejus pileatus, nam fere vemper latere liberum pileatum, sulcato-zonatum est.

Stereum spectabile Kl. Fung. Meyn. p. 6 tab. V, f. 2! *Stereum radiato-fissum* Berk. et Br. Fung. Brist. II, p. 63, tab. XIV, f. 8—11!

Hab. ad ligna, Luzon, Bataan, Mt. Mariveles, *Elmer* 6930, *Merrill* 3531, *Bureau of science* 6156, Laguna, *Bureau of science* 12520.

Obs. Sporae (?) 4—5 = 3—4 μ hyalinae; basidia clavata 25—30 = 4—5, saepe sterilia, aculeata; hyphae hymenii $2\frac{1}{2}$ — $5\frac{1}{2}$ una alterva — 7 μ .

Stereum involutum Kl. Linn. VII, p. 499.

Hab. ad truncos, Mindanao, Davao, *Copeland* 1294; Negros, *Elmer* 10404.

Obs. Specimina hic exhibita juvenilia, parum evoluta, organis ductoriis fere cystidioideis, sed certe ad hanc speciem pertinent.

Hymenochaete Lev.

Hymenochaete attenuata Lev. Champ. Mus. p. 152!

Hab. ad ramos, Luzon, Benguet, Sablang, E. Fenix, *Bureau of science* 12886.

Obs. Sporae hyalino-substramineae, oblongae, 6—8 = 3— $3\frac{1}{2}$ μ ; basidia clavata 20—22 = 3—4 μ ; hyphae contextus 2—4 μ luteae et crasse tunicatae.

Hymenochaete ferruginea (Bull.) Bres. Hym. Kmet. p. 45 cum synonymis.

var. **pectinata** n. var.

Hab. ad truncos, Mindanao, Davao, *Copeland* 495, 523; Polillo, *Bureau of science* 10545.

Obs. A typo differt pileo generatim majore densiusque sulcato-zonato et setulis fere dimidio minoribus, sc. 30—45 = 5—6, dum in typo sunt 45—75 = 7—9 μ ; cetera omnia concordant.

Septobasidium Pat.

Septobasidium bogoriense Pat. in Mons. I, 1899, p. 138.

Hab. ad ramos rivos *Schizostachyii* sp., Luzon, Rizal, Prov. *F. W. Foxworthy* 85.

Lachnocladium Lev.

Lachnocladium usambarensense P. Henn. in Bot. Jahrb. 1904, p. 44.

Hab. ad detrita lignea ad terram, Mindoro, Bulalacao, *Bureau of science* 1553.

Obs. Sporae asperulae, hyalinae, obovatae, 5—7 = $3\frac{1}{2}$ —4 μ ; hyphae subhymeniales 2—3 raro — $4\frac{1}{2}$ μ .

Heterochaete Pat.

Heterochaete delicata (Kl.) Bres. *Hydnum delicatum* Kl. in Berk. Exot. Fungi, p. 395. *Hydnum tenuiculum* Lev. Champ. Mus. p. 145?

Hab. ad ramulos Quercus, Mindanao, Davao, Mt. Apo, 2000 m, *Copeland 1147*, San Ramon, *Copeland 747*.

Obs. Flocci aculeiformes; clavati, flavo-aurei, 150—270 = 30—80; basidia obovata, 20—30; sporae non inventae; hyphae subhymeniales 2—3 μ crassae.

Auricularia Bull.

Auricularia mesenterica (Dicks.) Fr. Epicr. p. 555. *Helvella* Dicks. Crypt. brit. I, p. 20. *Auricularia pusio* Berk. Linn. Journ. XVII, p. 386! (status juvenilis).

Hab. ad truncos, Luzon, *F. W. Foxworthy 121*, *Copeland 195*; Mindanao, Davao, *Copeland „F“*, Luzon, Rizal, M. Ramos, *Bureau of science no. 12552*.

Auricularia rugosissima Lev. Champ. exot. p. 214 (1844) sub *Phlebia*. *Phlebia reflexa* Berk. Journ. Bot. (1845) n. 345. Bres. Fungi Born. p. 551 cum Synonymis.

Hab. ad truncos, Negros, Gimagaan River, *Copeland 25*; Mindoro, Mt. Halcon, *Merrill 6118*; Luzon, Rizal, *Max. Ramos 1203*, Bataan, *Merrill 3508*, Benguet, *Bureau of science 12876*.

Hirneola Fr.

Hirneola tenuis (Lev.) Fr. Fung. Nat. p. 27! *Exidia* Lev. Champ. exot. p. 219.

Hab. ad truncos, Luzon, Isabela Prov. Max. Ramos, *Bureau of science no. 8135*.

Obs. Sporae hyalinae, cylindraceo-curvulae, 12—15 = $4\frac{1}{2}$ —6 μ ; basidia clavata, 30—35 = 5—6 μ ; hyphae contextus 1— $2\frac{1}{2}$ μ ; pili cupulae hyalini, apice cuspidati, 75—140 = 5—8, basi bulbillosa, fulva, 6—10 μ crassa.

Meo sensu est tantum forma tenuis *Hirneolae porphyreae* Lev.

Hirneola ampla (Pers.) Fr. Fungi Nat. p. 26. *Auricularia* Pers. Freyc. Voy. p. 177 (1826)! *Exidia nobilis* Lev. Champ. exot. p. 218 (1844)! (status juvenilis).

Hab. ad truncos, Negros, ad *Dipterocarpum*, Gimagaan River *Copeland 30*; Panay, Capiz, *Copeland 31*; Luzon, Manila, ad *Gliricidia maculata*, *Copeland 41*; Rizal ad *Dipterocarpum vernicifluum*, *Bureau of science 42*, Benguet, *Elmer 6338*, Tayabas, *Elmer 7554*; *E. Fenix*, *Bureau of science 12832*, 12851.

Obs. Sporae non inventae; pili cupulae 120—360 = 6—7 μ . *Exidia nobilis* mihi videtur tantum status juvenilis *Hirneolae amplae*. Species haec valde *Hirneolae polytrichae* Mont. affinis a qua cupula tenuiore et pilis aliquantulam minoribus differt. Specimina philippinensia semper parva etiamsi aetate jam denudata.

Hirneolae species perquam multiplicatae mihi videntur. E sicco vix distinguendae; structura vix diversa; pili quoad longitudinem variabiles et sic porro.

Hirneola Auricula Iudae (L.) Berk. Outl. p. 289. *Tremella* Lev. Spec. Pl. 1625.

Hab. ad truncos *Glincidia maculatae*, Luzon, Rizal, Bosoboso, *Bureau of science no. 1185*, Manila, *E. E. Schneider, Forestry Bureau 19494, 19498, 19499, 19500*.

Obs. Est forma pilis quam in typo aliquantulum longioribus etc. ad *Hirneolam nobilem* Lev. accedens.

Hirneola affinis (Jungh.) Bres. Annal. Mycog. VIII, 1910, p. 587. *Merulius* Fung. Jav. p. 76!

Hab. ad truncos, Luzon, Rizal, *Bureau of science 41*; Mindanao, Davao, Malita, *Copeland 680*; Luzon, Tayabas, *Elmer 7563*, Benguet, Sablang, *E. Fenix, Bureau of science 12843*.

Guepinia Fr.

Guepinia spathularia (Schw.) Fr. El. II. p. 32. Bres. Ann. Mycol. IX, 1911, p. 273 cum synonymis.

Hab. ad truncos, Luzon, Rizal, Bosoboso et Moronz, *Max. Ramos 1187, 1452*.

Tremella Dill.

Tremella fuciformis Berk. Hook. Journ. 1856, p. 277.

Hab. ad truncos, Luzon, Rizal, Bosoboso, *Max. Ramos 1197*, Benguet, *Elmer 6326*.

Gasteromycetaceae.

Cyathus Hall.

Cyathus sulcatus Kalchbr. in Grev. X, p. 107!

Hab. ad frustula lignea, Negros, Gimagaan River, *Copeland 34*; Mindoro, Alag River, *Merrill 5594*.

Obs. Habitu omnino *Cyathi striati*, a quo differt peridio pilis fasciculatis praeditus intusque fere nigro. Spora 19—24 = 9—16 μ .

Lycoperdon Tourn.

Lycoperdon lilacinum (Mont. et Berk.) Speng. Fungi arg. p. 1.

Hab. ad terram, Mindanao, Davao, *Copeland „G“*.

Obs. A *Lycoperdo cyathiforme* Bosc. tantum sporis rugulosis, non aculeatis, differt. An satis?

Geaster Mich.

Geaster hygrometricus Pers. Syn. p. 135.

Hab. ad terram, Luzon, Bataan, Lamao, *Copeland 1366, Forestry Bureau 1355*.

Obs. Specimina sub no. 1366 exhibita juvenilia, adhuc clausa. Sporae globosae, verrucosae, 7—10, raro 12 = 10 μ ; hyphae capillitii hyalinae, demum stramineae, laxae septatae, ad septa saepe nodosae, $2\frac{1}{2}$ —7 μ crassae.

Discomycetaceae.

Pilocratera P. Henn.

Pilocratera Tricholoma (Mont.) P. Henn. Engl. bot. Jahrb. XIV, p. 363. *Peziza* Mont. Ann. Sc. Nat. 1834, II, p. 77.

Hab. ad ramos, Leyte, Palo, *Elmer* 7231.

Obs. Asci cylindranei, vix stipitati, 350—400 = 18—20 μ ; paraphyses filiformes, collapsae; sporidia navicularia, aliqua ellipsoidea, 27—30 = 13—15 μ .

Pilocratera Hindsii (Berk.) P. Henn. l. c. XVII, p. 9. *Peziza* Berk. Fungi *Hinds.* p. 9, tab. XV.

Hab. ad ramos, Leyte, Palo, *Elmer* 7207.

Obs. Asci, paraphyses et sporidia ut in *Pilocratera Tricholoma*, a qua ascomate apice circulatim bi-tri-sulcato et pilis multo brevioribus differt. Valde probabiliter tamen tantum ejus varietas.

Pyrenomycetaceae.

Xylaria Hill.

Xylaria gigantea (Zippel et Lev.) Fr. Nov. Symb. 127. *Sphaeria* Zippel et Lev. Ann. Sc. Nat. 1845, no. 3, p. 41, Bres. Ann. Myc. V, 1907, p. 239 cum synonymis.

Hab. ad truncos, Luzon, Tayabas, *Elmer* 7545.

Xylaria corniformis Fr. Summ. Veg. Scand. p. 381.

Hab. ad truncos, Palo, *Elmer* 7217.

Obs. Asci cylindranei, longa stipitati, 200—220 = 7—9 μ ; sporidia subreniformia 9—14 = 5—6 μ .

Xylaria plebea Cesati Myc. Born. p. 16.

Hab. ad ramenta lignea, Palo, *Elmer* 7204.

Obs. Asci cylindranei, longe pedicellati, 140—160 = 4—5 μ ; sporidia elongato-subreniformia, 8—10 = 3—4 raro $4\frac{1}{2}$ μ .

Daldinia Ces. et De Not.

Daldinia concentrica (Bolt.) Ces. et De Not. var. ***Eschscholzii*** Ehr. Fung. Cham. p. 59, tab. XVII, f. 8.

Hab. ad truncos, Leyte, Palo, *Elmer* 7202.

Obs. Sporidia fusca, oblonga, uno latere depressa, utrinque attenuata, 12—13 = 6—6 $\frac{1}{2}$ μ .

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Jahr/Year: 1913

Band/Volume: [53 1913](#)

Autor(en)/Author(s): Bresadola J.

Artikel/Article: [Basidiomycetes Philippinenses. \(Series II.\) 46-80](#)