

Fungi of Haiti

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The Republic of Haiti comprises the western third of Hispaniola, a tropical island of the West Indies shared with the Dominican Republic. Bordered on the East by the Dominican Republic and bounded on the North and South by the Atlantic Ocean and Caribbean Sea, respectively, Haiti consists largely of two main peninsulas jutting West into the Windward Passage. Four-fifths of its 10,700 square miles is mountainous and elevations extend from sea level to almost 8,800 feet. It has a normal tropical climate with little seasonal change and temperatures in the lowlands range between 70° and 85° F.

The topography and climate of Haiti are conducive to the occurrence of a wide variety of fungi, but its mycoflora is far less well known than that of its neighbor, the Dominican Republic. Pierre-Louis (50) in 1955 published a brief manual covering the important diseases of economic plants of Haiti, a treatment that included approximately 70 fungus pathogens. More recently, Ciferri (15) included report of 93 Haitian fungi in his comprehensive volume listing more than 2,000 Dominican fungi. Although these two works overlap somewhat, they have heretofore comprised the most extensive listings available for Haitian fungi.

While it is true that fungi know no political boundaries, it is also true that an enumeration of the fungi known to occur in a particular country can be very useful to mycologists, plant pathologists and other workers interested in plant diseases and mycofloristics. Also, the fungi known from any region depend largely upon the specific interests of the collectors and work done even in adjacent countries can contribute equally to a more comprehensive knowledge of the overall mycoflora. The present account of Haitian fungi, for example, lists 51 Myxomycetes and Phycomycetes, 32 of which were not reported by Ciferri (15) for either the Dominican Republic or Haiti. As might be expected, only 9 of the 51 were treated by Pierre-Louis (50) as economic pathogens.

The present work was begun to bring together some of the scattered

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reports of Haitian fungi and to report the unpublished Haitian specimens present in our National Fungus Collections at Beltsville. For many years the National Fungus Collections staff has had a special interest in the fungi of countries of Tropical America and has maintained geographical records of acquisitions from these countries. These records were utilized by Cifferi (15) for his comprehensive Dominican account, but 48 Haitian species now present in the herbarium seem unreported. These and 16 other fungi identified only to genus are indicated as new records for Haiti by marking each with an asterisk (*). New host records are included but are not specifically pointed out. The total number of Haitian fungi enumerated here is more than 375 and includes the approximately 180 species represented in the National Fungus Collections (designated "BPI") and numerous reports found in the literature. In addition to the works of Cifferi (15) and Pierre-Louis (50), particularly useful references for the present account were the distribution maps published by the Commonwealth Mycological Institute (17) and the Plant Quarantine interception lists of the U. S. Department of Agriculture (60).

Since both herbarium specimens and literature reports included many that employed fungus names not currently acceptable, an attempt has been made to modernize the nomenclature used for these fungi. No attempt has been made, however, to list complete synonymy and no new taxa have been employed. The original publications for species' names are cited, together with such synonyms as seemed needed or appropriate. Species are arranged alphabetically within the major Classes of fungi with the one exception of the Uredinales which, for logistic reasons, are listed alphabetically within the Order at the beginning of the Class Basidiomycetes. Available collection data are included as feasible and sources of previous reports utilized are given for each entry by numbers in parentheses that refer to corresponding numbers of the "Literature Cited" section which follows the plant and insect hosts lists.

Mycomycetes

Arcyria cinerea (Bull.) Pers., Syn. Meth. Fung., p. 184. 1801. Concot, 21 III, 1938, leg. O. F. Cook, det. J. A. Stevenson, BPI, (15), (20).

A. incarnata (Pers.) Pers., Obs. Myc. 1: 58. 1896. Agric. College, Damiens, on decaying debris, 6 VI, 1955, leg. & det. M. L. Farr (No. 1687). (20).

Ceratiomyxa fruticulosa (Müll.) MacBr., N. Amer. Slime-Moulds, p. 18. 1899. Vic. Savane-Zombie, on decaying log, 8 VI, 1955, leg. & det. M. L. Farr (No. 1683). (20).

Comatricha elegans (Racib.) List., Guide Brit. Mycet. ed. 3. p. 31. 1909. Vic. Savane-Zombie, on decaying log, 8 VI, 1955, leg. & det. M. L. Farr (No. 1674). (20).

**Cribraria tenella* Schrad., Nov. Gen. Pl., p. 6. 1797. On *Spondias* sp., 26 VI, 1927, leg. O. F. Cook, det. M. L. Farr. BPI.

Diderma hemisphaericum (Bull.) Hornem., Fl. Dan. 33: 13. 1829. Agric. College, Damiens, on decaying debris, 6 VI, 1955, leg. & det. M. L. Farr (No. 1693). (20).

Didymium clavus (Alb. & Schw.) Rab., Deutsch. Krypt.-Fl. 1: 280. Agric. College, Damiens, on decaying debris, 6 VI, 1955, leg. & det. M. L. Farr. (20).

D. ? difforme (Pers.) S. F. Gray, Nat. Arr. Brit. Pl. 1: 571. 1821. Vic. Savane-Zombie, on decaying log in pine forest, 8 VI, 1955, leg. & det. M. L. Farr (No. 1684). (20).

D. iridis (Ditm.) Fr., Syst. Myc. 3: 120. 1829. Agric. College, Damiens, on decaying debris, 6 VI, 1955, leg. & det. M. L. Farr (Nos. 1694, 1698). (20).

D. nigripes (Lk.) Fr., Syst. Myc. 3: 119. 1829. Vic. Savane-Zombie, on decaying log, 8 VI, 1955, leg. & det. M. L. Farr (No. 1678). (20).

D. squamulosum (Alb. & Schw.) Fr., Symb. Gast., p. 19. 1818. Agric. College, Damiens; vic. Savane-Zombie. On decaying debris & log, 6—8, VI, 1955, leg. & det. M. L. Farr (Nos. 1682, 1686). (20).

Lamproderma arcyrionema Rost., Monogr., p. 208. 1874. Agric. College, Damiens, on decaying debris, 6 VI, 1955, leg. & det. M. L. Farr (Nos. 1691, 1697). (20).

L. scintillans (Berk. & Br.) Morg., Jour. Cincinnati Soc. Nat. Hist. 16: 131. 1894. Vic. Savane-Zombie, on decaying log in pine forest, 8 VI, 1955, leg. & det. M. L. Farr (No. 1676). (20).

**Physarum* sp., Thor, on rotten trunk of *Carica* sp., 25 VIII, 1927, leg. O. F. Cook. BPI.

P. cinereum (Batsch) Pers., Neues Mag. Bot. 1: 89. 1794. Agric. College, Damiens, on decaying debris, 6 VI, 1955, leg. & det. M. L. Farr (No. 1694). (20).

P. compressum Alb. & Schw., Consp. Fung., p. 97. 1805. Agric. College, Damiens, on decaying debris, 6 VI, 1955, leg. & det. M. L. Farr (No. 1688). (20).

P. nicaraguense MacBr., Bull. Nat. Hist. Univ. Iowa 2: 382. 1893. Agric. College, Damiens, on decaying debris, 6 VI, 1955, leg. & det. M. L. Farr (No. 1689). (20).

P. pusillum (Berk. & Curt.) G. List. in List., Mycet. ed. 2, p. 64. 1911. Thor; Agric. College, Damiens. On decaying debris, 25 VIII, 1927, 6 VI, 1955, leg. O. F. Cook, M. L. Farr, det. M. L. Farr. BPI, (20).

**P. superbum* Hagelst., Mycologia 32: 385. 1940. Font de Negre, 27 VI, 1927, leg. O. F. Cook, det. M. L. Farr.

Stemonitis axifera (Bull.) MacBr., N. Amer. Slime-Moulds, p. 120. 1899. Agric. College, Damiens, on decaying debris, 6 VI, 1955, leg. & det. M. L. Farr (No. 1695). (20).

Phycomycetes

Albugo ipomoeae-panduranae (Schw.) Swing, Jour. Myc. 7: 112. 1892. On *Ipomoea batatas* (L.) Lam. (50).

Albugo platensis (Speg.) Swing, Jour. Myc. 7: 113. 1892. Port-au-Prince, on *Commicarpus scandens* Standley, XI, 1918, leg. J. N. Rose 23981, det. W. W. Diehl. BPI. Also (15).

Allomyces anomalus Emerson, Lloydia 4: 133. 1941. Font Parisien, isol. ex soil, summer, 1958, leg. K. W. King, det. W. W. Scott; Central Haiti, isol. ex water from the Coupe à l'Inde and Estère Rivers, 15 XII, 1939, leg. A. Haspil, det. F. T. Wolf. (52), (63).

A. arbuscula Butl., Ann. Bot. London 25: 1027. 1911. Northern, Southern and Western Haiti, isol. ex water from the Guinte, Cavaillon and Momanee Rivers, XII, 1939, leg. A. Haspil, det. F. T. Wolf. (63).

Aphanomyces laevis De By., Jahrb. wiss. Bot. 2: 179. 1860. Furcy, isol. ex laterite soil, summer, 1958, leg. K. W. King, det. W. W. Scott. (52).

Brevilegnia declina Harvey, Jour. Elisha Mitchell Sci. Soc. 42: 243. 1927. Refuge, isol. ex soil, summer, 1958, leg. K. W. King, det. W. W. Scott. (52).

B. linearis Coker & Braxton, in Coker, Jour. Elisha Mitchell Sci. Soc. 42: 214. 1927. Refuge, isol. ex laterite soil of pine forest, summer, 1958, leg. K. W. King, det. W. W. Scott. (52).

Cladochytrium replicatum Karling, Amer. Jour. Bot. 18: 538. 1931. Cabaret, isol. ex soil, summer, 1958, leg. K. W. King, det. W. W. Scott. (52).

Dictyuchus sp. Poste Terre Rouge, isol. H 8 ex soil, summer, 1958, leg. K. W. King, det. W. W. Scott as near *D. monosporus* Leitgeb. but possibly a new species. (52).

Haplosporangium decipiens Thaxt., Bot. Gaz. 58: 364. 1914. Type locality: Haiti, on dung of *Selenodon paradoxus*. Quoted also by Ciferri (15).

Leptolegniella keratinophilum Huneycutt, Jour. Elisha Mitchell Sci. Soc. 68: 110. 1952. Cul-de-Sac, Furcy, and Poste Terre Rouge, isol. ex soil, summer, 1958, leg. K. W. King, det. W. W. Scott. (52).

Peronospora parasitica ([Pers.] Fr.) Fr., Summa Veg. Scand., p. 493. 1849. Mont des Commissaires, Kenscoff, rare in the plains, on *Brassica oleracea* L. (50).

Phytophthora cinnamomi Rands, Meded. Inst. Plantenz. Buitenz. 54: 41. 1922. On *Ananas comosus* (L.) Merr. Uncertain identification reported by (40) as "heart rot." Included by (17, map 302, 1955) but not (17, map 302, revised to 1963).

P. citrophthora (Sm. & Sm.) Leonian, Amer. Jour. Bot. 12: 445. 1925. On *Citrus* sp. (50).

P. infestans (Mont.) D By., Jour. Roy. Agric. Soc. II 12: 240. 1876. On *Lycopersicon esculentum* Mill., *Solanum tuberosum* L. (50).

P. palmivora (Butl.) Butl., Sci. Rep. Agric. Res. Inst. Pusa 1918—19, p. 82. 1919. (Syn. *P. faberi* Maubl.). On *Theobroma cacao* L. (48), (50).

P. parasitica Dast., Mem. Dep. Agric. India Bot. 5 (4): 226. 1913. [= *P. nicotianae* B. de Haan var. *parasitica* (Dast.) Waterh., Commonw. Myc. Inst. Myc. Paper 92, p. 14. 1963]. On *Citrus* sp. (50).

Plasmopara viticola (Berk. & Curt.) Berl. & de T. in Sacc., Syll. Fung. 7: 239. 1888. On *Vitis vinifera* L. (50).

Pseudoperonospora cubensis (Berk. & Curt.) Rostow, Ann. Inst. Agron. Mosc. 9: 47. 1903. (Syn. *Peronoplasmopara cubensis* Clint.). On *Cucumis melo* L. (50).

Pythium sp. On *Citrullus vulgaris* Schrad. (50).

P. afertile Kanouse & T. Humph., Pap. Mich. Acad. Sci. Arts Lett. 8: 137. 1927. Cabaret, Damiens, and Refuge, isol. ex soil, summer, 1958, leg. K. W. King, det. W. W. Scott. (52).

P. catenulatum Matthews, Stud. Gen. Pythium, p. 47. 1931. Poste Terre Rouge, isol. ex soil, summer, 1958, leg. K. W. King, det. W. W. Scott. (52).

P. debaryanum Hesse, Inaugr. Dissert., Halle. 1874. General distribution, isol. ex soil from 9 diff. sites, summer, 1958, leg. K. W. King, det. W. W. Scott. (52).

P. intermedium D By., Bot. Zeit. 39: 553—558. 1881. Isol. ex soil, summer, 1958, leg. K. W. King, det. W. W. Scott. (52).

P. mamillatum Meurs, Wortelrot Verrorz. Schim. Ges. *Pythium* Pringsh. *Aphanomyces* D By. 1928. Font Parisien, isol. ex soil, summer, 1958, leg. K. W. King, det. W. W. Scott. (52).

P. ultimum Trow, Ann. Bot. 15: 269—312. 1901. Cul-de-Sac, isol. ex soil, summer, 1958, leg. K. W. King, det. W. W. Scott. (52).

P. undulatum Petersen, Bot. Tidssk. 29: 345—440. 1909. Isol. ex soil, summer, 1958, leg. K. W. King, det. W. W. Scott. (52).

P. vexans, D By., Jour. Bot. 14: 105—126. 1876. Cul-de-Sac, isol. ex soil, summer, 1958, leg. K. W. King, det. W. W. Scott. (52).

Rhizophlyctis rosea (D By. & Wor.) Fisch., Rabenh. Krypt.-Fl. 1: 122, 1892. General distribution, isol. ex soil from approx. 20 sites, summer, 1958, leg. K. W. King, det. W. W. Scott. (52).

R. spp. Forms indeterminate to species because of scanty material were isolated ex soil from 8 sites, summer, 1958, leg. K. W. King, det. W. W. Scott. (52).

Rhizopus stolonifer (Ehrenb. ex Fr.) Vuill., Rev. Mycol. 24: 54. 1902. (Syn. *R. nigricans* Ehrenb.). On *Capsicum annuum* L., *Citrus aurantifolia* (Christm.) Swing. *Ipomoea batatas* (L.) Lam. (60, lists for 1931, 1930, 1929, respectively).

Ascomycetes

Acrospermum maxoni Farl., in Riddle, Mycologia 12: 179. 1920. On *Polypodium induens* Maxon. (15).

Antennospora caribbea Meyers, Mycologia 49: 503. 1957. Port-au-Prince, on *Pinus* sp. submerged off shore, May, 1954, leg. et det. S. P. Meyers. (38).

**Anthostomella* sp. Morne Sel, on *Acrista* sp., 23 VIII, 1924, leg. O. F. C o o k. BPI.

Cantharomyces haytiensis Thaxt., Mem. Amer. Acad. Arts Sci. 16 (1): 23. 1931. Diquini, on the elytra and head of the insect *Trogophloeus fulvipes* Er., leg. Mann No. 2764, det. et descr. as n. sp. R. T h a x t e r (l. c.). Listed by (15).

Capnodium sp. General distribution, but most prevalent in the Bion region of Northwest Haiti, on *Coffea arabica* L. (50).

C. citri Berk. & Desm., Jour. Roy. Hort. Soc. 4: 243. 1849. On *Citrus* spp. (50).

**Caudella psidii* Ryan, Mycologia 16: 179. 1924. Limbe, on *Psidium guajava* L., 4 VII, 1931, leg. M. Kisiuk & C. E. Cooley, det. J. A. S t e v e n s o n. BPI.

Ceratocystis fimbriata Ell. & Halst., New Jersey Agric. Exp. Sta. Bull. 76: 14. 1890. [Syn. *Ceratostomella fimbriata* (Ell. & Halst.) J. A. Elliott]. General distribution, on *Ipomoea batatas* (L.) Lam. (50), on *Cocos*, *Hevea*, *Ipomoea*, *Theobroma cacao* L. 1959. (17, map no. 91, revised to 1959).

C. paradoxa (Dade) C. Moreau, Rev. Mycol. Suppl. Colonial 17: 22. 1952. [Imperfect state = *Thielaviopsis paradoxa* (De Seyn.) Höhn.]. On *Ananas*, *Musa*, *Saccharum*. (17, map no. 142, revised to 1958).

**Coccomyces limitatus* (Berk. & Curt.) Sacc., Sylloge Fung. 8: 747. 1889. St. Michel de l'Atalaye, on *Clusia rosea* Jacq., 15 XI, 1925, leg. E. C. L e o n a r d, det. W. W. D i e h l. BPI. Also (15).

**Cookeina sulcipes* (Berk.) Kuntze, Rev. Gen. Pl. 2: 849. 1891. La Vallée, Tortue Island, on dead stem, 28 XII, 1928—91, 1929, leg. E. C. & G. M. L e o n a r d, det. E. K. C a s h. BPI, also (15, as *Trichoscypha sulcipes* Berk. apud Hook.).

Diaporthe citri Wolf, Jour. Agric. Res. 33: 625. 1926. On *Citrus* sp. 1947. (17, map. no. 126, 1966).

D. vexans Gratz: See *Phomopsis vexans* (Sacc. & Syd.) Harter.

Didymella pinodes (Berk. & Blox.) Petr., Ann. Myc. 22: 17—18. 1924. Cited in assoc. with *Ascochyta pisi* Lib. & *A. pinodella* L. K. Jones as causing necrosis of *Pisum sativum* L. (50).

Dimerina jacquiniae Garman, Mycologia 7: 337. 1915. (Syn. *D. monensis* F. L. Stevens). Gros Morne, Artibonite, on *Jacquinia linearis* Jacq., 18 II, 1926, leg. E. C. L e o n a r d, det. W. W. D i e h l. BPI. Also (15).

Diplocarpon rosae Wolf, Bot. Gaz. 54: 231. 1912. [Imperfect state: *Actinonema rosae* (Lib.) Fr., syn. *Marssonina rosae* (Lib. Lind.)] General distribution, on *Rosa* spp. (50) and (60, lists for 1934, 1935).

Dothidella basirufa (Berk. & Curt.) Sacc., Syll. Fung. 2: 631. 1883. Mission, Fonds Varettes, on *Asplenium dentatum* L., 17 IV—4 V, 1920, leg. E. C. Leonard, det. W. W. Diehl (?). BPI. Also (15).

Elsinoë ampelina Shear, Phytopath. 19: 677. 1929. [Imperfect state: *Sphaceloma ampelinum* D By., syn. *Gloeosporium ampelophagum* (Pass.) Sacc.]. General distribution, on *Vitis vinifera* L. (50).

E. fawcettii Bitanc. & Jenkins, Phytopath. 26: 395. 1936. (Imperfect stage: *Sphaceloma fawcettii* Jenkins). General distribution, on *Citrus* sp. (17, map no. 125, 1966), (50).

E. mangiferae Bitanc. & Jenkins, Arq. Inst. Biol. São Paulo 17: 218. 1946. General distribution, on *Mangifera indica* L. (60, lists for 1959, 1964, 1965, 1966).

E. puertoricensis Jenkins & Bitanc., Mycologia 38: 65. 1946. Vic. Port. de Paix, on *Randia parvifolia* Lam., 22 XII, 1928, leg. E. C. Leonard 1103 (PARATYPE), det. A. E. Jenkins. BPI, also (26).

E. sacchari Lo, Proc. Biol. Soc. Washington 77: 1. 1964. (Imperfect state: *Sphaceloma sacchari* Lo). On *Saccharum officinarum* L. (22).

**Encoelia heteromera* (Mont.) Nannf. Trans. Brit. Myc. Soc. 23: 239. 1939 [Syn. *Dermatea aureo-tincta* Rehm, *Peziza heteromera* Mont., *Midotis heteromera* (Mont.) Sacc.] Bayeux, on *Funtumia elastica* Stapf, 18 I, 1925, leg. J. R. Weir, det. E. K. Cash. BPI.

Erysiphe cichoracearum DC. ex Mérat, Nouv. Fl. Env. Paris, ed 2, 1: 132. 1821. General distribution, on *Citrullus vulgaris* Schrad., *Cucumis melo* L., *Cucurbita moschata* Dcne., *Nicotiana tabacum* L. (15, as *Oidium tabaci* Thuem., since no perfect state was produced), (50).

E. polygoni DC. ex Mérat, Nouv. Fl. Env. Paris, ed. 2, 1: 132. 1821. General distribution, on *Phaseolus vulgaris* L., *Vigna sinensis* (Torner) Savi. (50).

Eudarlucia australis Speg., Fungi Paulist., p. 22, 1908. On rust on *Eleocharis* sp., IX, 1926, leg. R. Ciferri, det. ed distrib. F. Petrak, *Mycotheca generalis* 639. (49). [Erroneously listed for Haiti — should be Dominican Republic].

**Eutypa* sp. Bayeux, on *Funtumia elastica* Stapf, 19 I, 1925, leg. J. R. Weir, det. C. L. Shear & W. W. Diehl. BPI.

E. diantherae (Lewis) Petr., Ann. Myc. 32: 356. 1934. (Syn. *Bagnisiella eutypoides* Ell. & Ev.). Vic. of Bassin-Blue, on *Dianthera americana* L., 25 IV, 1929, leg. E. C. & G. M. Leonard, det. W. W. Diehl. BPI. Also (15).

Gibberella fujikuroi (Saw.) Wr., Zeitschr. Parasitenk. 3: 514. 1931. (Conidial state: *Fusarium moniliforme* Sheldon). On *Saccharum officinarum* L. (17, map no. 102, 1963), (36).

Glomerella cingulata (Ston.) Spauld. & Schrenk, U. S. Dept. Agr. Bur. Pl. Ind. Bull. 44: 29. 1903. [Syn. *G. gossypii* Edgerton, *G. manihotis* (Sacc.) Petr.; conidial state = *Colletotrichum gloeosporioides* Penz.].

General distribution, on *Gossypium barbadense* L., *Manihot esculenta* Crantz, *M. glaziovii* Müll.-Argov. (15), (50).

G. tucumanensis (Speg.) Arx & Müller, Beitr. Krypt.-Fl. Schweiz 11 (1): 195. 1954. On *Saccharum officinarum* L. (17 map no. 186. 1962), (36).

Godronia parasitica Seaver, Mycologia 24: 353. 1932. Marmelade, on *Tetrazygia longicollis* Urb. & Cogn., 25 VIII, 1903, leg. G. V. N a s h (No. 793), det. F. J. S e a v e r. (54), (55), (56).

Guignardia bidwellii (Ell.) Viala & Rav., Bull. Soc. Myc. Fr. 8: 63. 1892. General distribution, on *Vitis vinifera* L. (50).

G. clusiae F. L. Stevens, Trans. Ill. Acad. Sci. 10: 183. 1917. Vic. St. Michel de l'Atalaya, Département du Nord, on *Clusia rosea* Jacq., 15 et 18, XI, 1925, leg. E. C. L e o n a r d (Nos. 7020, 7160), det. W. W. D i e h l. BPI, also (15).

**G. manihoti* Sacc., Ann. Myc. 12: 304. 1914. Bayeux, on *Manihot glaziovii* Müll.-Argov., 18 I, 1925, leg. J. R. W e i r, det. V. K. C h a r l e s. BPI.

**Hypoxyton nummularium* (Bull. ex Fr.) Fr. var. *pseudopachyloma* (Speg.) J. H. Miller, Monogr. World Spec. Hypoxyton, p. 125. 1961. (Syn. *H. pseudopachyloma* Speg.). Bayeux, on *Hevea brasiliensis* Müll.-Argov., 18 I, 1925, leg. J. R. W e i r, det. J. H. M i l l e r. BPI.

H. rubiginosum (Pers. ex Fr.) Fr., Summa Veg. Scand. p. 384. 1849. Bayeux, on *Hevea brasiliensis* Müll.-Argov., *Theobroma cacao* L., 18 I, 1925, leg. J. R. W e i r (Nos. 66624, 66625), det. W. W. D i e h l [redet. — at least as on *Hevea* — by J. H. M i l l e r as *H. rubiginosum* var. *tropica* J. H. Miller]. BPI, also (15), (39).

H. stygium (Lév.) Sacc., Syll. Fung. 1: 379. 1882. Bayeux, on *Castilla elastica* Cerv., *Mimusops globosa* Gaertn., 18 I, 1925, leg. J. R. W e i r (Nos. 66626, 66627, 66628), det. J. H. M i l l e r, BPI, also (39), and (15), *H. polyspermum* Mont. and *H. rubiginosum* (Pers. ex Fr.) Fr.

Hysterostomina palmae F. L. Stevens, Ill. Biol. Monogr. 8 (3): 10. 1923. St. Michel, on *Coccothrinax* sp., 21 VIII, 1924, leg. O. F. C o o k (No. 413), det. W. W. D i e h l. BPI, also (9), (15).

**Irenopsis mölleriana* (Wint.) F. L. Stevens, Ann. Myc. 25: 437. 1927. Vic. Ennery, Dept. l'Artibonite, on *Sida urens* L., 20 I, 1926, leg. E. C. L e o n a r d (No. 903a), det. W. W. D i e h l. BPI.

Isariopsis griseola Sacc., Michelia 1: 273. 1878. Vallée de Jacmel, on *Phaseolus vulgaris* L., IV, 1954. (50).

**Kretzschmaria clavus* (Fr.) Fr., Summa Veg. Scand. pt. 2. p. 409. 1849. Vic. Marmelade, Dept. du Nord, on tree, 19 XII, 1925, leg. E. C. L e o n a r d (No. 8132 b), det. W. W. D i e h l. BPI.

Laboulbenia fuliginosa Thaxt., Proc. Amer. Acad. Arts Sci. 50: 28. 1914. Ennery, on *Haltica jamaicensis* Fab., 1911, leg. W. M. M a n n, det. R. T h a x t e r (No. 2491). On *H. plebeia* Oliv., det. R. Thaxter (No. 1785). (15).

L. idiostoma Thaxt., Proc. Amer. Acad. Arts Sci. 50: 28. 1914. Ennery, on *Haltica jamaicensis* Fab., 1911, leg. W. M. Mann, det. R. Thaxter (No. 2491 TYPE). (15).

Leptosphaeria sacchari B. de Haan, Mededel. Proefst. Sulk W-Java, p. 25. 1892. La Mourriere, on *Saccharum officinarum* L., 22 III, 1922, leg. et det. V. K. Charles (No. 1500). BPI, also (57).

Meliola sp. Vic. St. Michel de l'Atalaye, Dept. du Nord, on *Clusia rosea* Jacq., 15 XI, 1925, leg. E. C. Leonard (No. 7020). BPI, also (15).

**M. capsicola* F. L. Stevens, Ill. Biol. Mongr. 2: 509. 1916. Vic Pilate, Dept. du Nord, on *Capsicum frutescens* L., 10 II, 1926, leg. E. C. Leonard (No. 9664 a), det. J. A. Stevenson. BPI.

M. lippiae Maubl., Bull. Soc. Myc. France 19: 291. 1903. Vic. Port-au-Prince, on *Phyla nodiflora* (L.) Greene (Syn. *Lippia nodiflora* Michx.), 15—18 VII, 192(0?), leg. E. C. Leonard (No. 3436 b), det. J. A. Stevenson. BPI, also (15).

**M. trichostroma* (Kunze) Toro, Jour. Dept. Agr. Univ. Porto Rico 36: 62. 1952. (Syn. *M. psidii* Fr.). Limbe, on *Psidium guajava* L., 4 VII, 1931, leg. M. Kislink & C. E. Cooley (No. 53), det. J. A. Stevenson. BPI.

Mycosphaerella brassicicola (Duby) Johans. ex Oud., Rev. Champ. Pays-Bas 2: 210. 1897. On *Brassica* spp. (17, map 189, 1960).

M. citrullina (C. O. Sm.) Gross., Tech. Bull. New York Agr. Exp. Rec. No. 9, p. 226. 1909. On *Cucumis sativus* L., *Sechium edule* (Jacq.) Sw. (60, lists for 1941, 1949).

**M. clusiae* F. L. Stevens, Trans. Ill. Acad. Sci. 10: 181. 1917. St. Michel, on *Clusia* sp., 25 VIII, 1924, leg. O. F. Cook (No. 6415), det. W. W. Diehl. BPI.

M. musicola Leach, Trop. Agr. (Trinidad) 18: 92. 1941. (Imperfect state: *Cercospora musae* Zimm.). On *Musa* sp., *M. paradisiaca* L. subsp. *sapientum* (L.) Kuntze. (17, map 7, 1963), (50).

M. pinodes (Berk. & Blox.) Vest.: See *Didymella pinodes* (Berk. & Blox.) Petr.

Myzotrichum thaxteri Kuehn, Mycologia 47: 878. 1955. Cult. isol. ex *Solenodon* (opossum-shrew) dung by R. Thaxter, det. H. H. Kuehn. Type strain: NRRL 1714. (31).

Naetrocymbe scoriadea Bat. & Cif., Saccardo, No. 2, p. 164. 1963. Bayeux, near Port Magot, on *Jambosa jambos* (L.) Mill. (Syn. *Eugenia jambosa* L.), VIII, 1903, leg. G. V. Nash (No. 65), det. A. C. Batista & R. Ciferri. (8).

Nectria diploa Berk. & Curt., Jour. Linn. Soc. 10: 378. 1869. On *Citrus sinensis* (L.) Osbeck. (60, list for 1940).

Nummularia broomeiana (Berk. & Curt.) J. H. Miller, Mycologia 33: 77. 1941. (Syn. *Hypoxylon broomeianum* Berk. & Curt.). Bayeux, on *Hevea brasiliensis* Müll.-Argov., 18 I, 1925, leg. J. R. Weir, det.

J. H. Miller (Nos. 66621, 66622). BPI, and (15, reported as *N. anthracodes* (Fr.) Cke. and *N. cincta* Ferd. & Winge).

Ophiobolus heveae P. Henn., Hedwigia 43: 243. 1904. Bayeux, on *Hevea brasiliensis* Müll.-Argov., 1 XII, 1925, leg. (?) Jenkins, det. V. K. Charles (No. 72543). BPI, also (15).

Phaeochaetia woronichinii Cif. & Bat., Sydowia, Beih. 3: 77. 1962. (Syn. *Aithaloderma hederæ* (Pat.) Woron. var. *caucasicum* Woron.). Bayeux, near Port Margot, on *Jambosa jambos* (L.) Mill., VIII, 1903, leg. G. V. Nash (No. 65), det. R. Ciferri & A. C. Batista. (8).

**Phaeosphaerella* sp., vic. Ennery, Dept. de l'Artibonite, on *Mimosa leonardii* Britt. & Rose, 22 I, 1926, leg. E. C. Leonard (No. 9105 a), det. W. W. Diehl. BPI.

Phyllachora fusicarpa Seaver in Britt. & Millsp., The Bahama Flora, p. 633. 1920. Vic. St. Michel de l'Atalaye, Dept. de Nord, on *Duranta erecta* L., 7 XII, 1925, leg. E. C. Leonard (No. 7871 a), det. W. W. Diehl. BPI, also (15). This specimen must also be the basis for Ciferri's (15) listing of "*P. brevicarpa* Seaver (Ubi?)" which seems not to exist.

P. randiae Rehm., Hedwigia 36: 371. 1897. (Syn. *Trabutia randiae* Theiss. & Syd.). On *Randia aculeata* L. (Syn. *R. mitis* L.). (53).

P. verrucosa Chardon, Jour. Dept. Agr. Puerto Rico 16: 186. 1932. Vic. Cap-Haitien, on *Eugenia maleolens* Poir. [Syn. *E. buxifolia* (Sw.) Willd.], 4 IX, 1903, leg. G. V. Nash (No. 956 — TYPE), det. C. E. Chardon. BPI, also (12).

Phyalospora rhodina (Berk. & Curt.) Cke.: See *Botryodiplodia theobromae* Pat.

P. tucumanensis Speg.: See *Glomerella tucumanensis* (Speg.) Arx & Müller.

Rickia depauperata Thaxt., Proc. Amer. Acad. Arts & Sci. 52: 22. 1916. Haiti or Dominican Republic (?), on *Celaenopsis* sp. (15).

R. dichotoma Thaxt., Proc. Amer. Acad. Arts & Sci. 52: 20. 1916. Haiti or Dominican Republic (?), on *Euzeconis* sp. (15).

**Rosellinia* sp., Port au Prince, on dead hardwood, 14 I, 1925, leg. et det. J. R. Weir. BPI. Also, ? *Rosellinia* sp. (reported as black rot of roots), on *Theobroma cacao* L., *Coffea arabica* L. (50).

Sclerotinia sp., on *Annona muricata* L. (60, list for 1935).

Sphaerotheca pannosa (Wallr. ex Fr.) Lévl., Ann. Sci. Nat. III, 15: 138. 1851. On *Rosa* sp. (50).

Sphaerulina coffeicola Speg. An. Mus. Nac. Hist. Nat. 31: 412. 1922. Vic. Kalacroix, Dept. de l'Artibonite, on *Coffea arabica* L., 11 XII, 1925, leg. E. C. Leonard (No. 7898), det. W. W. Diehl. BPI, also (15).

Taphrina deformans (Berk.) Tul., Ann. Sci. Nat. Bot. 5^e Ser. 5: 128. 1866. On *Prunus persica* (L.) Batsch. (50).

Torrubiella confragosa Mains, Mycologia 41: 305. 1949. Bayeux, on Coccidae (scale-insects) on *Hevea brasiliensis* Müll.-Argov., 1925,

leg. J. R. Weir, det. E. B. Mains. BPI, MICH, also (15, as *T. rubra* Pat. & Lagerh.), (35).

**Trabutia* sp., Vic. St. Michel de l'Atalaye, Dept. du Nord, on *Brya buxifolia* Urb., 17 XI, 1925, leg. E. C. Leonard (as No. 7103 a), det. W. W. Diehl (as a n. sp., but with material too scanty for basis of description). BPI.

Tryblidiella sp., Bayeux, on *Theobroma cacao* L., 18 I, 1925, leg. J. R. Weir. BPI, also (15).

**T. rufula* (Spreng.) Sacc., Bayeux, on *Theobroma cacao* L., 18—19 I, 1925, leg. J. R. Weir, det. W. W. Diehl. BPI (as Nos. 66616, 66619).

**Xylaria arbuscula* Sacc., *Michelia* 1: 249. 1878. Bayeux, on *Theobroma cacao* L., 18 I, 1925, leg. J. R. Weir, det. J. H. Miller, BPI.

**X. dichotoma* (Mont.) Mont., Syll. Plant. Crypt. p. 204, 1856. Bayeux, on Palm, 18 I, 1925, leg. J. R. Weir, det. J. H. Miller. BPI.

**X. fastigiata* Fr., *Nova Acta Soc. Sci. Upsal. Ser. 3, 1: 127. 1855* (1851). Bayeux, on *Hevea brasiliensis* Müll.-Argov., 18 I, 1925, leg. J. R. Weir, det. J. H. Miller. BPI.

**X. multiplex* (Kunze ex Fr.) Fr., *Nova Acta Soc. Sci. Upsal. Ser. 3, 1: 127. 1855* (1851). Bayeux; vic. La Vallée, Tortue Island; vic. Pikini, Gonave Island; on *Hevea brasiliensis* Müll.-Argov. and indet. dead wood; 6 VII, 1920; 18 I, 1925; 28 XII, 1928—9 I, 1929; leg. E. C. Leonard; J. R. Weir; E. C. & G. M. Leonard (as No. 11358); det. J. H. Miller. BPI.

X. poitei (Lév.) Fr., *Nova Acta Soc. Sci. Upsal. Ser. 3, 1: 125. 1855* (1851). Vic. St. Michel de l'Atalaye, Dept. du Nord, on rotten log, 15 XII, 1925, leg. E. C. Leonard (as No. 8030), det. C. L. Shear & W. W. Diehl, confirmed J. H. Miller. BPI, also (15).

Basidiomycetes

Uredinales

Aecidium cordiae P. Henn., in Bres., P. Henn. & Magn.; *Bot. Jahrb. 17: 491. 1893.* On *Cordia* spp., incl. Type on *C. bullata* L. [*Syn. Varronia bullata* (L.) Jacq.], (2), (10), (24), (59).

A. rumicis Schlecht., *Flora Berolin., Part II, p. 114. 1824.* Vic. Port-au-Prince, on *Rumex obtusifolius* L., 1927, leg. R. Duvivier, det. R. Ciferri (Mycofl. Dom. Exs. No. 385). BPI, also (15).

A. wedeliae Earle: See *Endophyllum wedeliae* (Earle) Whetz. & Olive.

Cerotelium desmium Arth.: See *Phakopsora gossypii* (Arth.) Hirat. f.

Coleosporium ipomoeae (Schw.) Burr., *Bull. Ill. Lab. Nat. Hist. 2: 217. 1885.* Vic. St. Michel de l'Atalaye, Dept. du Nord, on *Ipomoea nil* (L.) Roth, 17 XI, 1925, leg. E. C. Leonard (No. 7084 a), det. W. W. Diehl; Vic. Vallée de Jacmel, on *I. batatas* (L.) Lam., IV, 1954, leg. & det. F. Pierre-Louis. BPI, (50).

Dicaeoma polygoni-amphibii (Pers.) Arth.: See *Puccinia polygoni-amphibii* Pers.

D. purpureum Kuntze: See *Puccinia purpurea* Cke.

Endophyllum wedeliae (Earle) Whetz. & Olive, Amer. Jour. Bot. 4: 49. 1917. (Syn. *Aecidium wedeliae* Earle). Les Cayes, on *Wedelia trilobata* (L.) Hitchc. (Syn. *W. carnosa* Rich.), 17 VII, 1910, leg. et det. E. M a y o r (No. 135). (37).

Kuehneola gossypii Arth.: See *Phakopsora gossypii* (Arth.) Hirat. f.

**Mainsia tenella* Jacks. & Holw. in Jacks., Mycologia 23: 111. 1931. Vic. Mission, Fonds Varettes, on *Rubus eggersii* (Focke) Rydb., IV, 1920, leg. E. C. Leonard (No. 3816), det. G. B. Cummins. BPI. Cummins (Illustrated Genera Rust Fungi, p. 69, 1959) now refers *Mainsia* Jacks. to *Gerwasia* Rac.

Micropuccinia heterospora (Berk. & Curt.) Arth. & Jacks.: See *Puccinia heterospora* Berk. & Curt.

M. lantanae (Farl.) Arth. & Jacks.: See *Puccinia lantanae* Farl.

M. lateritia (Berk. & Curt.) Arth. & Jacks.: See *Puccinia lateritia* Berk. & Curt.

M. melampodii (Diet. & Holw.) Arth. & Jacks.: See *Puccinia melampodii* Diet. & Holw.

Nigredo appendiculata Arth.: See *Uromyces phaseoli* (Reb.) Wint.

Phakopsora gossypii (Arth.) Hirat. f., Uredin. Studies, p. 266. 1955. (Syn. *Kuehneola gossypii* Arth., *Cerotelium desmium* Arth., *Uredo gossypii* Lagerh.). Vic. Pont-au-Prince & Bayeux, on *Gossypium barbadense* L., G. sp., I, 1925, IV, 1926, et seq., leg. J. R. Weir, O. F. Cook, et al., det. G. B. Cummins et al. BPI, (50), (60, lists for 1962, 1965).

P. jatrophiicola Cumm., Mycologia 48: 604. 1956. Intercepted on *Jatropha gossypifolia* L., 5 X, 1962, leg. & det. H. L. Rubin (Miami No. 21636), ver. G. B. Cummins. BPI, also (60, lists for 1965, 1966).

Prospodium elegans (Schroet.) Cumm., Lloydia 3: 67. 1940. (Syn. *Puccinia elegans* Schroet.). Vic. Pont-au-Prince, on *Tecoma stans* (L.) Juss., 1 III, 1926, leg. E. C. Leonard, det. H. S. Jackson. BPI, also (15) as *Puccinia elegans*.

P. transformans (Ell. & Ev.) Cumm., Lloydia 3: 66. 1940. [Syn. *Nephlyctis transformans* (Ell. & Ev.) Arth.]. Vic. Port-au-Prince, on *Tecoma stans* (L.) Juss., 1 III 1926 & V, 1929, leg. E. C. Leonard (No. 10121), E. C. & G. M. Leonard (No. 15840), det. H. S. Jackson, R. W. Davidson, ver. G. B. Cummins. BPI, also (15).

Puccinia arachidis Speg., Anal. Soc. Ciem. Argent. 17: 90. 1884. On *Arachis hypogaea* L. (50).

P. bomareae P. Henn., Hedwigia 35: 242. 1896. Vic. Ennery Dept. de l'Artibonite, on *Bomarea ovata* Mirb., 23 I, 1926, leg. E. C. Leonard (No. 9119 b), det. H. S. Jackson. BPI, also (15).

P. elegans Schroet.: See *Prospodium elegans* (Schroet.) Cumm.

P. heterospora Berk. & Curt., Jour. Linn. Soc. 10: 356. 1868. [Syn.

Micropuccinia heterospora (Berk. & Curt.) Arth. & Jacks.]. Vic. Mission, Fonds Varettes & Marmelade, Dept. du Nord, on *Sida acuta* Burm. f., *S. pyramidata* Cav., IV, 1920, 19 XII, 1925, leg. E. C. Leonard (Nos. 3621 a, 8134 a), det. J. A. Stevenson, H. S. Jackson. BPI, also (2) as *Micropuccinia* on *S. acuta*.

P. iridis Rab., Deutsch. Krypt.-Fl. 1: 23. 1844. Interception on *Iris* sp. (60, list for 1962).

P. lantanae Farl., Proc. Amer. Acad. Sci. 18: 83. 1883. [Syn. *Micropuccinia lantanae* (Farl.) Arth. & Jacks.]. Vic. Port-au-Prince, on *Phylla nodiflora* (L.) Greene (Syn. *Lippia nodiflora* L.), IV—VI, 1920, leg. E. C. Leonard (Nos. 3436, 3436 a), det. J. A. Stevenson, R. W. Davidson. BPI, also (2) as *Micropuccinia*, (60, list for 1966).

P. lateritia Berk. & Curt., Jour. Acad. Nat. Sci. Phil., II, 2: 281. 1853. [Syn. *Micropuccinia lateritia* (Berk. & Curt.) Arth. & Jacks.]. Vic. St. Michel de l'Atalaye, Dept. du Nord, on *Diodia rigida* C. & S. [Syn. *Diodella rigida* (C. & S.) Small], 17 XI, 1925, 1 I, 1926, leg. E. C. Leonard (Nos. 7131 a, 8501 b), det. H. S. Jackson. BPI, (2) as *Micropuccinia* on *Diodella*.

**P. liberta* Kern. Mycologia 11: 412. 1919. Interception on *Eleocharis interstincta* R. Br., 1 V, 1966, leg. E. Y. Okasako, det. G. B. Cummins. BPI.

**P. malvacearum* Bert. ex Mont. in C. Gay Hist. Fis. Polit. Chile 8: 43. 1852. Vic. Mission, Fonds Varettes; Dondon & Plaisance, Dept. du Nord. On *Malvastrum spicatum* (L.) A. Gray, *M. tricuspidatum* A. Gray (Syn. *M. coromandelianum* Garcke), IV, 1920, I, 1926, leg. E. C. Leonard (Nos. 3678, 8558 a, 9411 a), det. J. A. Stevenson, H. S. Jackson. BPI.

P. melampodii Diet. & Holw. in Holw., Bot. Gaz. 24: 32. 1897. [Syn. *Micropuccinia melampodii* (Diet. & Holw.) Arth. & Jacks., *Puccinia tetranthi* Syd.]. General distribution, on *Synedrella nodiflora* (L.) Gaertn., *Tetranthus hirsutus* Spreng., *T. litoralis* Sw., 1908, 1925, 1927, leg. & det. various workers. (2) as *Micropuccinia*, (23), (58) as *Puccinia tetranthi*.

**P. obtecta* Pk., Bull. Buffalo Soc. Nat. Sci. 1: 66. 1873. Interception, on *Scirpus* sp., 2 V, 1963, leg. J. I. Mason, det. A. J. Watson. BPI.

P. polygoni-amphibii Pers., Syn. Meth. Fung., p. 227. 1801. [Syn. *Dicaeoma polygoni-amphibii* (Pers.) Arth.]. Cosmopolitan, on *Polygonum punctatum* Ell. [Syn. *Persicaria punctata* (Ell.) Small, *Polygonum acre* H., B., & K.]. (2) as *Dicaeoma* on *Persicaria*, (5), (37).

P. porophylli P. Henn., Hedwigia 39 (Beibl.): 153. 1900. Vic. Anse Galette, Gonave Isl., on *Porophyllum ruderte* (Jacq.) Cass., III, 1920, leg. E. C. Leonard (No. 3220), det. R. W. Davidson. BPI, also (15).

P. pruni-spinosae Pers.: See *Tranzschelia pruni-spinosae* (Pers.) Diet.

P. purpurea Cke., *Grevillea* 5: 15. 1876. (Syn. *Dicaeoma purpureum* Kuntze). General distribution, on *Sorghum vulgare* Pers., III, 1920, et seq., leg. & det. various workers. BPI, also (8) as *Dicaeoma purpureum* on *Holcus sorghum*, (17, Map 212, 1962), (50), (60, list for 1939).

P. raunkaerii Ferd. & Winge, *Bot. Tidsskr.* 29: 8. 1908. [Syn. *P. rivinae* (Berk. & Curt.) Speg., *Aecidium rivinae* Berk. & Curt.]. Vic. Fonds des Negres; La Vallee, Tortue Isl. On *Trichostigma octandrum* (L.) H. Walt., *Rivina humilis* L., III, 1928, V. 1929, leg. C. H. Arndt, E. C. & G. M. Leonard (No. 15499), det. J. A. Stevenson, G. B. Cummins. BPI, also (15) as *Puccinia rivinae*.

P. recondita Rob. ex Desm., *Bull. Soc. Bot. France* 4: 798. 1857. (Syn. *P. rubigo-vera* Wint.). [See Cummins & Caldwell (*Phytopath.* 46: 81—82. 1956) for a nomenclatural discussion of this species]. PQ interception, on *Triticum aestivum* L. (60, list for 1936) as *P. rubigo-vera* var. *tritici*.

P. rivinae (Berk. & Curt.) Speg.: See *P. raunkaerii* Ferd. & Winge.

P. rubigo-vera Wint.: See *P. recondita* Rob. ex Desm.

P. sorghi Schw., *Trans. Amer. Phil. Soc.*, II, 4: 295. 1832. Cosmopolitan, on *Zea mays* L. (50).

P. superior Jacks. in Jacks. & Whetz., *Trans. Brit. Myc. Soc.* 13: 20. 1928. (Syn. *Uredo superior* Arth., *Dicaeoma superius* Arth.). On *Fimbristylis ferruginea* (L.) Vahl, *F. spadicea* (L.) Vahl. (4) as *Uredo*, (15), (37) as *Uredo*.

P. tetranthi Syd.; See *P. melampodii* Diet. & Holw.

P. urbaniana P. Henn., *Hedwigia* 37: 278. 1898. PQ interceptions, on *Stachytarpheta jamaicensis* (L.) Vahl, 4 III & 14 VI, 1964 leg. & det. W. D. McLellan, H. L. Rubin, ver. G. B. Cummins. BPI, also (60, lists for 1964, 1965).

P. xanthii Schw., *Schr. Nat. Ges. Leipzig*, 1: 73. 1822. Vic. Les Cayes, on *Xanthium strumarium* L., 17 VII, 1910, leg. & det. E. Mayor, BPI, also (37).

Ravenelia arthurii Long, *Jour. Myc.* 12: 234. 1906. Syn. *R. portoricensis* Arth.). San Michel, on *Cassia emarginata* L., 5 VIII, 1905, leg. G. V. Nash & N. Taylor (No. 1393), det. (or ver.?) J. C. Arthur. (2), (5), (30), all as *R. portoricensis*.

R. portoricensis Arth.: See *R. arthurii* Long.

Sphenospora keorkianii Linder, *Mycologia* 36: 464. 1944. PQ interceptions, on *Epidendrum* sp., *Ionopsis* sp., *Oncidium pulchellum* Hook, O. sp., 1960—1963, leg. various, det. A. J. Watson, G. B. Cummins. BPI, also (60, lists for 1961, 1962).

S. saphena Cumm., *Bull. Torrey Bot. Club* 87: 40. 1960. PQ interceptions, on *Oncidium pulchellum* Hook., indet. orchid, 24 V, 1960, 20 III, 1961, leg. B. P. Stewart, C. E. Stegmaier, det. A. S. Mills, G. B. Cummins. BPI, also (60, list for 1961).

Tranzschelia pruni-spinosae (Pers.) Diet., *Ann. Myc.* 20: 212. 1922.

(Syn. *Puccinia prun-spinosae* (Pers.) On *Prunus persica* (L.) Batsch, *P. sp.* (17, Map 223, 1962), (50) as *Puccinia pruni-spinosae*.

Uredo epidendri P. Henn., *Hedwigia* 35: 254. 1896. PQ interception, reported on undetermined orchid. (60, list for 1959).

U. haitiensis Jorst., *Ark. f. Bot.*, ser 2, 4 (5): 75. 1959. On *Bauhinia divaricata* L., leg. E. L. Ekman (No. 706), det. I. Jorstad.

U. incomposita Kern, *Mycologia* 11: 143. 1919. PQ interception, on *Eleocharis interstincta* (Vahl) R. & S. (60, list for 1941).

U. nigropuncta P. Henn., *Hedwigia* 35: 254. 1896. On *Bletia purpurea* (Lam.) DC., VIII, 1903, leg. G. V. Nash (No. 706), det. J. C. Arthur. (2), (3), (5), (15), (59). Fungus species name given as "*nigropunctata*" by (3) and (5).

U. oncidiidii P. Henn., *Hedwigia* 41: 15. 1902. PQ interception on unspecified orchid. (60, list for 1960).

U. superior Arth.: See *Puccinia superior* Jacks.

U. toroiana Kern, *Mycologia* 20: 76. 1928. Vic. St. Michel de l'Atalaye, Dept. du Nord, on *Vernonia cinerea* (L.) Less., XII, 1925, leg. E. C. Leonard (No. 7452), det. F. D. Kern. (29), (59).

Uromyces appendiculatus (Pers.) Lk.: See *Uromyces phaseoli* (Pers.) Wint.

**U. bidenticola* Arth., *Mycologia* 9: 71. 1917. Vic. Mission, Fonds Varettes, on *Bidens pilosa* L., IV, 1920, leg. E. C. Leonard (No. 3651), det. J. A. Stevenson. BPI.

U. columbianus Mayor, *Mem. Soc. Neuch. Sci. Nat.* 5: 467. 1913. Vic. Mission, Fonds Varettes; St. Michel de l'Atalaye, Dept. du Nord. On *Melanthera buchii* Urban, IV, 1920, XII, 1925, leg. E. C. Leonard (Nos. 3614, 7737), det. F. D. Kern. (29).

**U. dolicholi* Arth., *Bull. Torrey Bot. Club* 33: 27. 1906. Thor, on *Cajanus cajan* (L.) Millsp. (Syn. *Cajanus indicus* Spreng.), 16 V, 1925, leg. O. F. Cook, det. J. A. Stevenson & A. J. Watson. BPI.

**U. euphorbiae* Cke. & Pk. in Pk., *Ann. Rept. N. Y. State Mus.* 25: 90. 1873. [Syn. *Uromyces proeminens* Pass.] Vic. St. Marc; vic. St. Michel de l'Atalaye, Dept. du Nord. On *Euphorbia prostrata* Ait., *E. hirta* L., *E. hyssopifolia* L., II, 1920, XI, 1925, I, 1926, leg. E. C. Leonard (Nos. 2858, 7085 a, 8501 a), det. H. S. Jackson, J. A. Stevenson. BPI.

U. geranii (DC) Lév., *Ann. Sci. Nat. Bot.* III, 8: 371. 1847. On *Geranium* sp., 1927, leg. R. Duvivier, det. R. Ciferri (Myc. Dom. Exs. No. 401). BPI, also (15).

U. phaseoli (Reb.) Wint., in *Rab. Krypt.-Fl.* 1: 157. 1881. [Syn. *Uromyces appendiculatus* (Pers.) Lk., *Nigredo appendiculata* Arth., *Puccinia phaseoli* Reb.] Vic. Mission, Fonds Varettes, and elsewhere, on *Phaseolus lunatus* L., *P. vulgaris* L., IV, 1920, et seq., leg. E. C. Leonard (No. 3676). BPI, (2), (50).

U. proeminens (DC.) Pass.: See *Uromyces euphorbiae* Cke. & Pk.

Other Basidiomycetes

Auricularia auricula (L. ex Hook.) Underw., Mem. Torr. Bot. Club 12: 15. 1902. The specimen reported under this name by (15) is now referred to *A. delicata* (Fr.) P. Henn.

**A. delicata* (Fr.) P. Henn., Engler's Bot. Jahrb. 17: 492. 1893. Bayeux, on dead wood, 18 I, 1925, leg. J. R. Weir, originally det. J. R. Weir & reported (15) as *A. auricula* (L. ex Hook.) Underw., redet. B. Lowy; vic. St. Raphael, Dept. du Nord, on rotten log, 3 XII, 1925, leg. E. C. Leonard (as No. 7678), det. B. Lowy. BPI.

A. mesenterica Pers., Myc. Eur. 1: 97. 1822. Vic. La Vallee, Tortue Island, on rotten log, 28 XII, 1928 — 9 I, 1929, leg. E. C. & G. M. Leonard (as No. 11483), det. W. W. Diehl. BPI, also (15).

A. polytricha (Mont.) Sacc., Atti R. Inst. Ven. Ser. 6, 3: 732. 1885. Bayeux, on rotten log, 18 I, 1925, leg. & det. J. R. Weir. BPI, also (15).

**Calocera cornea* (Fr.) Loudon, Encycl. Pl. 1012. 1829. Bayeux, on *Ficus* sp., 18 I, 1925, leg. J. R. Weir, det. B. Lowy. BPI.

**Cantharellus* sp., Ile à Vache, on soil, VII, 1928, leg. C. R. Orcutt (as No. 9235), det. V. K. Charles. BPI.

Coriolus arenicolor (Berk. & Curt.) Murr.: See *Polyporus pavonius* (Hook.) Fr.

Corticium koleroga (Cke.) Hoehn.: See *Pellicularia koleroga* Cke.

C. vagum Berk. & Curt.: See *Pellicularia filamentosa* (Pat.) Rogers.

Cyathus intermedius (Mont.) Tul., Ann. Sci. Nat., Ser. 3, 1: 72. 1844. Morne Cebut, on *Pseudophoenix insignis* O. F. Cook, 29 VIII, 1924, leg. O. F. Cook, det. J. A. Stevenson. BPI, also (15).

Dacryopinax spathularia (Schw.) Martin, Lloydia 11: 116. 1948. Bayeux, on *Castilla elastica* Cerv., I, 1925, leg. J. R. Weir, det. J. A. Stevenson. BPI, also (15) as *Guepinia spathularia* (Schw.) Fr.

Daedalea elegans Spreng. ex Fr., Syst. Myc. 1: 335. 1821. Leg. G. V. Nash (as Nos. 234, 240) probably in 1903, det. and reported by W. A. Murrill as „*Agaricus deplanatus* (Fr.) Murr.“ (43).

D. microsticta Cke., Grevillea 10: 122. 1882. Vic. Bombardopolis, 22 II, 1929, leg. E. C. & G. M. Leonard (as No. 13487), det. J. A. Stevenson. BPI, also (15).

Exobasidium vaccinii (Fckl.) Wor., Verh. Nat. Gesell. Freiburg 4: 397. 1867. Unconfirmed, questionable citation by (15).

Favolus brasiliensis (Fr.) Fr., Elench. Fung., p. 44. 1828. Vic. Basse Terre, Tortue Isl., on rotten log, 25 III, 1929, leg. E. C. & G. M. Leonard (as No. 12430), det. J. A. Stevenson. BPI, also (15).

Fomes applanatus (Pers. ex S. F. Gray): See *Ganoderma applanatum* (Pers. ex S. F. Gray) Pat.

F. australis (Fr.) Cke.: See *Ganoderma applanatum* (Pers. ex S. F. Gray). Pat.

F. dependens (Murr.) Sacc. & Trott. in Sacc., Syll. Fung. 21: 292.

1912. Anse Galette, Gonave Isl., 7 III, 1920, leg. E. C. Leonard (as No. 3127), det. J. R. Weir. BPI (as *F. pseudosenex*), also (15).

F. extensus (Lév.) Cke., *Grevillea* 14: 18. 1885. Bayeux, on *Funtumia elastica* (Preuss) Stapf., 19 I, 1925, leg. & det. J. R. Weir. BPI, also (15), (32).

F. feei (Fr.) Lowe, *Mycologia* 47: 217. 1955. Vic. Jean Rabel, on rotten log, 4 II, 1929, leg. E. C. & G. M. Leonard (as No. 12845), det. J. A. Stevenson. BPI, also (15) as *Trametes feei* Fr.

F. hemileucus Berk. & Curt.: See *Polyporus supinus* Sw. ex Fr.

F. lienoides (Mont.)?: See *Polyporus lienoides* Mont.

F. marmoratus (Berk. & Curt.) Cke.: See *Fomes sclerodermeus* (Lév.) Cke.

F. melanoporus (Mont.) Cke., *Grevillea* 14: 20. 1885. Bayeux, on *Mimusops globosa* Gaertn., 18 I, 1925, leg. J. R. Weir, det. J. L. Lowe. BPI, also (32).

F. pinicola (Sw. ex Fr.) Cke., *Grevillea* 14: 17. 1885. Forêt les Pines and elsewhere, on dead *Pinus* spp.; V—VI, 1920, leg. E. C. Leonard (as Nos. 3906, 4448, 4541, 4745, 5362), det. V. K. Charles; 26 II, 1953, leg. G. Hepting, det. J. L. Lowe. BPI, also (15), (32).

F. rimosus (Berk.) Cke.: See *Fomes robiniae* (Murr.) Sacc. & D. Sacc.

F. robiniae (Murr.) Sacc. & D. Sacc., *Syll. Fung.* 17: 117. 1905. Vic. Bassin Bleu, on trunk of "Bayahón" tree [= *Prosopis juliflora* L.], 21 IV, 1929, leg. E. C. & G. M. Leonard (as No. 14937), det. J. A. Stevenson [as *F. rimosus* (Berk.) Cke.]; Vic. Port-au-Prince, causing heartrot of living leguminous trees ["Barahon" = ? *Prosopis juliflora* L.], 14 I, 1925, leg. & det. J. R. Weir [as *F. rimosus* (Berk.) Cke.]. BPI, also (15) as *F. rimosus* Fr.

F. sclerodermeus (Lév.) Cke., *Grevillea* 14: 18. 1885. [Syn.: *Polyporus sclerodermeus* Lév., *P. marmoratus* Berk. & Curt., *Fomes marmoratus* (Berk. & Curt.) Cke.]. Ford des Negis, 9 VI, 1929, leg. C. R. Orcutt (as No. 9282), det. J. A. Stevenson; Bayeux, on *Castilla elastica* Cerv., 18 I, 1925, leg. & det. J. R. Weir. BPI, also (15) as *F. marmoratus* (Berk. & Curt.) Cke.

**Ganoderma* sp., Bayeux, on *Manihot glaziovii* Müll.-Argov., 18 I, 1925, leg. & det. J. R. Weir. BPI.

G. applanatum (Pers. ex S. F. Gray) Pat., *Bull. Soc. Myc. France* 5: 67. 1889. [Syn.: *Boletus applanatus* Pers. ex S. F. Gray, *Polyporus australis* Fr., *Fomes applanatus* (Pers. ex S. F. Gray) Gill., *Fomes australis* (Fr.) Cke., *Ganoderma testaceum* (Lév.) Pat., *Ganoderma australe* (Fr.) Pat.]. Marmalade, on tree in coffee plantation, 19 XII, 1925, leg. E. C. Leonard (as No. 8124), det. J. A. Stevenson; Bayeux, on *Mimusops globosa* Gaertn., 18 I, 1925, leg. & det. J. R. Weir. BPI, also (15) as *Fomes australis* (Fr.) Cke. and as *Ganoderma testaceum* (Lév.) Pat.

G. coffeatum (Berk.) Furtado, *Persoonia* 4: 388. 1967. Vic. Jean-Rabel, on dead wood, 4 II, 1929, leg. E. C. & G. L. Leonard (as No. 12783), det. J. S. Furtado. BPI, also (21).

G. colossus (Fr.) Torrend, *Brot. (Bot.)* 18: 38. 1920. Anse Galette, Gonave Isl., on rotten stump, 9 III, 1920, leg. E. C. Leonard (as No. 3168), det. V. K. Charles. BPI also (15) as *Polyporus colossus* Fr.

**G. lucidum* (Leyss. ex Fr.) Karst., *Rev. Myc.* 3 (9): 17. 1881. Vic. Port de Paix, on dead wood, 1929, leg. E. C. & G. M. Leonard (as No. 15887 a), det. J. A. Stevenson. BPI.

G. testaceum (Lév.) Pat.: See *G. applanatum* (Pers. ex S. F. Gray) Pat.

Glenospora melioloides Berk. & Curt.: See *Septobasidium curtisii* (Berk. & Desm.) Boedijn & Steinmann.

Guepinia spathularia (Schw.) Fr.: See *Dacryopinax spathularia* (Schw.) Martin.

Gymnopilus nashii Murr., *Mycologia* 5: 23. 1913. Port Margot, on old logs, 4 VIII, 1903, leg. G. V. Nash (as No. 79, TYPE), det. W. A. Murrill. (46), (47).

Gymnopus tenuipes (Schw.) Murr.: See *Xeromphalina tenuipes* (Schw.) A. H. Sm.

Hymenochaete tenuissima Berk., *Linn. Soc. Jour. Bot. (London)* 10: 333. 1868. Vic. Ennery, Dept. de l'Artibonite, on rotten limb, 5 II, 1926, leg. E. C. Leonard (as No. 9541), det. J. R. Weir. BPI, also (15).

Hypochnus rubrocinctus Ehr., *Horae Phys. Berol.*, p. 84. 1820. Vic. Mission, Fonds Varettes; Furcy; St. Louis du Nord; on tree bark & rock, 1920—1929, leg. E. C. Leonard, E. C. & G. M. Leonard, det. J. A. Stevenson. BPI, also (15). This species is the basidiolichen *Chiodecton sanguineum* Wainio.

Lachnocladium brasiliensis Lév., *Ann. Sci. Nat. Bot. Ser. 3*, 5: 159. 1846 [as *Eriocladus*]; Orbigny, *Dict. Nat. Hist.* 8: 487. 1849. Vic. La Vallée, Tortue Isl., on log, 28 XII, 1928—9 I, 1929, leg. E. C. & G. M. Leonard (as No. 11723), det. J. A. Stevenson. BPI, also (15).

Laternea triscapa Turpin, *Dict. Sci. Nat.* 25: 248. 1822. Tortue Isl. fide De Toni in *Sacc., Syll. Fung.* 7: 18. 1888. (15).

**Lentinus* sp. Vic. St. Michel de l'Atalaye, Dept. du Nord, 20 XI, 1925, leg. E. C. Leonard (as No. 7241), det. V. K. Charles. BPI.

L. crinitus (L. ex Fr.) Fr.: See *Panus crinitus* (L. ex Fr.) Sing.

L. hirtus (Fr.) Murr.: See *Pleurotus hirtus* (Fr.) Sing.

**Lenzites saepiaria* Wulf. ex Fr., *Epicrisis*, p. 407. 1838. Mt. Butler, on dead wood, 20 III, 1922, leg. & det. V. K. Charles. BPI.

**L. striata* (Sw. ex Fr.) Fr., *Epicrisis*, p. 406. 1838. Vic. St. Michel de l'Atalaye, Dept. du Nord, on rotten stump, 18 XI, 1925, leg. E. C. Leonard (as No. 7178), det. J. R. Weir; Lamouriere, on *Tamarindus indica* L., III, 1922, leg. & det. V. K. Charles. BPI.

Lycoperdon perlatum Pers., Syn. Meth. Fung., p. 145. 1801. (Syn. *L. gemmatum* Batsch ex Fr.). Vic. St. Louis du Nord, on ground, 3 IV, 1929, leg. E. C. & G. M. Leonard (as No. 14331), det. J. A. Stevenson. BPI, also (15) as *L. gemmatum* Batsch.

Marasmiellus inoderma (Berk.) Sing., Sydowia 9: 385. 1955. (Syn.: *Marasmius semiustus* Berk. & Curt.). On *Musa* sp. (61).

M. stenophyllus (Mont.) Sing., Sydowia 15: 58. 1961 [1962]. (Syn. *Marasmius stenophyllus* Mont.). On *Musa* sp. (61).

Marasmius sacchari Wakk., Centrbl. Bakt. Parasit. Infek. 2: 44. 1896. On *Saccharum officinarum* L. (36).

M. semiustus Berk. & Curt.: See *Marasmiellus inoderma* (Berk.) Sing.

M. stenophyllus Mont.: See *Marasmiellus stenophyllus* (Mont.) Sing.

Mycena sp. Baliverne & La Vallette, on *Theobroma cacao* L., 14—28 I, 1956, sporophores obtained in moist chamber by F. Pierre-Louis, det. R. G. Orellana & reported causing a minor "brooming disease". (48).

M. citricolor (Berk. & Curt.) Sacc., Syll. Fung. 5: 263. 1887. [Syn. *Stibella flavida* (Cke.) P. Henn., *Omphalia flavida* (Cke.) Maubl. & Rangel]. On *Coffea arabica* L. BPI, also (50).

Mykoxyrinx cissi (DC.) G. Beck, Ann. Nat. Hofmus. Wien 9: 123. 1894. Vic. Etroite, Gonave Isl., on *Cissus sicyoides* L., 15—21 III, 1920, leg. E. C. Leonard (as No. 3305), det. J. A. Stevenson. BPI, also on Vitaceae (16).

Panus crinitus (L. ex Fr.) Sing., Lilloa 22: 275. 1951. [Syn. *Lentinus crinitus* (L. ex Fr.) Fr.]. Vic. Mission, Fonds Varettes; Dodon, Dept. du Nord; Camp Perrin; on dead wood; 1920, 1926, 1941; leg. E. C. Leonard (as Nos. 4031, 8619), R. C. Lorenz (as No. 3180), det. V. K. Charles. BPI, also (15) as *Lentinus crinitus* (L.) Fr.

Pellicularia spp. On *Theobroma cacao* L., causing a "thread blight" disease. (48).

P. filamentosa (Pat.) Rogers, Farlowia 1: 113. 1943. (Syn. *Corticium vagum* Berk. & Curt.; Imperfect stage, *Rhizoctonia solani* Kuehn). On *Brassica oleracea* L. (50).

P. koleroga Cke., Grevillea 4: 116, 134. 1876. [Syn. *Corticium koleroga* (Cke.) Hoehn.]. On *Coffea arabica* L. (50).

**Pleurotus* sp. Vic. Basse Terre, Tortue Isl., on tree trunk and rotten log, 25—28 III, 1929, leg. E. C. & G. M. Leonard (as Nos. 12425, 12541), det. V. K. Charles. BPI.

P. hirtus (Fr.) Sing., Lilloa 22: 271. 1951. [Syn. *Lentinus hirtus* (Fr.) Murr.]. Vic. Ennery, Dept. de Artibonite, and elsewhere; on rotten wood; 1903, 29 I, 1926; leg. G. V. Nash (as No. 148), E. C. Leonard (as No. 9427); det. W. H. Murrill, V. K. Charles. BPI, also (45).

Pogonomyces hydnoides (Sw. ex Fr.) Murr.: See *Trametes hydnoides* (Sw. ex Fr.) Fr.

Polyporus australis Fr.: See *Ganoderma applanatum* (Pers. ex S. F. Gray) Pat.

P. colossus Fr.: See *Ganoderma colossus* (Fr.) Torrend.

**P. corrosus* (Murr.) Sacc. & Trott., Syll. Fung. 21: 275. 1912. Port de Paix, on *Borreria* sp., 22 XII, 1928, leg. E. C. & G. M. Leonard (as No. 11075), det. J. A. Stevenson. BPI.

P. gilvus (Schw.) Fr., Elench. Fung., p. 104. 1828. Vic. Port-au-Prince; vic. Dondon, Dept. du Nord; or rotten wood and stump of tree; 15 I, 1925, 8 I, 1926; leg. J. R. Weir, E. C. Leonard (as No. 8723); det. J. R. Weir. BPI, and (15).

P. licnoides Mont., Ann. Sci. Nat. (Bot.), 2nd Ser., 13: 204. 1840. Bayeux, on *Mimusops globosa* Gaertn., 18 I, 1925, leg. & det. J. R. Weir. BPI, also (15) as *Fomes licnoides* (Mont.)? According to J. L. Lowe (32), *P. licnoides* Mont. is the annual form of *Fomes taxodii* Murr.

P. maximus (Mont.) Overh., Sci. Surv. P. R. and Virg. Isl. 8: 164. 1926. Vic. Bayeux, Port-au-Prince, Jeremie, Jean Rabel, Jacmel, and elsewhere, on dead wood, 1917—1941, leg. various, det. J. A. Stevenson. BPI, also (15).

**P. occidentalis* Klotzsch, Linnaea 8: 486. 1833. Vic. Anse Galette, Gonave Isl., on rotten log, 3—4 III, 1920, leg. E. C. Leonard (as No. 3059), det. J. A. Stevenson. BPI.

P. pavonius (Hook.) Fr., Epicrisis, p. 477. 1838. General distribution on hardwood logs, 1905—1929, leg. & det. by various workers. BPI, also (15), reported by (44) as *Coriolum arenicolor* (Berk. & Curt.) Murr.

P. pinsitus Fr., Elench. Fung., p. 95. 1828. Vic. Mole St. Nicolas, on rotten stick, 13—19 II, 1929, leg. E. C. & G. M. Leonard (as No. 13136), det. J. A. Stevenson. BPI, also (15).

P. sanguineus L. ex Fr., Syst. Myc. 1: 371. 1821. Vic. Gros Morne, Dept. Artibonite, on rotten log, 17 II, 1926, leg. E. C. Leonard (as No. 9754), det. J. R. Weir. BPI. This species was previously leg. by G. V. Nash in 1903 and reported by (41) as *Pycnoporus sanguineus* (L. ex Fr.) Murr.

P. supinus Sw. ex Fr., Syst. Myc. 1: 376. 1821. Vic. Marmelade, Dept. du Nord, on tree, 19 XII, 1925, leg. E. C. Leonard (as No. 8183), det. J. R. Weir. BPI, also (15) as both *P. supinus* and its synonym *Fomes hemileucus* Berk. & Curt. [sic].

P. versatilis (Berk.) Rom., Handl. Svenska Vat.-Akad. 26: 35. 1901 [Syn. *Trametes versatilis* Berk., *Polystictus versatilis* (Berk.) Sacc.]. Vic. Port-au-Prince, on rotten wood, 14 I, 1924, leg. & det. J. R. Weir. BPI, also (15) as *Polystictus versatilis*.

P. zonalis Berk., Ann. Mag. Nat. Hist. 10: suppl. 375. 1843. Bayeux, on *Mimusops globosa* Gaertn., 19 I, 1925, leg. & det. J. R. Weir. BPI, also (15).

Poria epimiltina (Berk. & Br.) Bres., Studi Trent. 2 (7): 75. 1926. (Syn. *Poria borbonica* Pat.). Bayeux, on *Funtumia elastica* (Preuss)

Stapf., *Hevea brasiliensis* Müll.-Agrov., 18 I, 1925, leg. & det. J. R. Weir. BPI, also (15), (33) as *P. borbonica*.

P. punctata (Fr.) Karst., Bidr. känn. Finl. Nat. Folk 37: 83. 1882. [Syn. *Polyporus punctatus* Fr., *Fomitiporia mazoni* Murr., *F. jamaicensis* Murr., *Poria jamaicensis* (Murr.) Sacc. & Trott.]. Bayeux, on *Mimuspops globosa* Gaertn., 18 I, 1925, leg. J. R. Weir, det. J. L. Lowe. BPI, also (15) as *P. jamaicensis*, (33), (34).

P. umbrinella Bres., Hedwigia 35: 282. 1896. [Syn. *P. floridana* (Murr.) Sacc.]. Bayeux, on *Hevea brasiliensis* Müll.-Argov., 18 I, 1925, leg. J. R. Weir, det. J. L. Lowe. BPI, also (15) as *P. floridana*, (33), (34).

Ptychogaster cubensis Pat., Bull. Soc. Myc. France 12: 133. 1896. [Syn. *Ceromyces cubensis* (Pat.) Sacc., *Ptychogaster lucidus* Lloyd]. Vic. La Vallée, Tortue Isl., and elsewhere, from base of tree & on living *Tamarindus indica* L., 1 I, 1929, et III, 1921, leg. E. C. & G. M. Leonard, V. K. Charles, det. R. W. Davidson et al. BPI, also (19). According to Davidson et al., *Ptychogaster* is the imperfect stage of *Polyporus*.

Pycnoporus sanguineus (L. ex Fr.) Murr.: See *Polyporus sanguineus* L. ex Fr.

Schizophyllum commune Fr. ex Fr., Syst. Myc. 1: 330. 1821. General distribution, on rotten sticks & *Saccharum officinarum* L., 1922—1935, leg. various, det. V. K. Charles, W. B. Cooke. BPI, (18), (36), (57).

S. fasciatum Pat., Jour. Bot. 1: 170. 1887. Vic. La Vallée, vic. Jean Rabel, on rotten log & sticks, XII, 1928—I, 1929, leg. E. C. & G. M. Leonard (as Nos. 11684, 12703), det. W. B. Cooke. BPI, also (18).

S. umbrinum Berk., in Hook. Jour. Bot. 3: 15. 1851. Bayeux, on *Hevea brasiliensis* Müll.-Argov., 10 V, 1925, leg. O. F. Cook, det. W. B. Cooke. BPI, also (15), (18).

Septobasidium curtisii (Berk. & Desm.) Boedijn & Steinmann, Arch. Theecult. 5 (1): 36. 1931. (Syn. *Glenospora melioides* Berk. & Curt.). Vic. Ennery, Dept. de l'Artibonite, on shrubs, 18 I, 1926, leg. E. C. Leonard (as No. 8925), det. W. W. Diehl, ver. J. N. Couch. BPI, also (15) as *Glenospora melioides*.

**S. lepidosaphes* Couch, Jour. Elisha Mitchell Sci. Soc. 51: 35. 1935. On *Lepidosaphes beckii* (purple scale insect) on *Citrus aurantium* L., 12 II, 1933, PQ Interception comm. A. B. Wells (No. 17003), det. J. N. Couch. BPI.

S. spongium (Berk. & Curt.) Pat., Bull. Soc. Myc. France 16: 181. 1900. On Coccidae (scale insects) on *Citrus sinensis* (L.) Osbeck, 1932, PQ Interception. (60, list for 1933).

Sphacelotheca cordobensis (Speg.) Jacks. in Chardon & Toro, Jour. Dept. Agr. Puerto Rico 14: 298. 1930. [Syn. *Sphacelotheca panici-leucophaei* (Bref.) Clint.]. Vic. La Mourièrre, on *Trichachne insularis* (L.) Nees [Syn. *Digitaria insularis* (L.) Mez; *Panicum leucophaeum* H., B.,

& K.; *Valota insularis* (L.) Chase], 16 III, 1922, leg. & det. V. K. Charles (No. 1956). BPI. (14), (65).

S. cruenta (Kuehn) Potter, Phytopath. 2: 98. 1912. (Syn. *Ustilago cruenta* Kuehn). Vic. Anse Galette, Gonave Isl.; St. Michel de l'Atalaye, Dept. du Nord; on *Sorghum vulgare* Pers. [Syn. *Holcus sorghum* L., *Andropogon sorghum* (L.) Brot.]; 3—14 III, 1920; 5. XII, 1925. Leg. E. C. Leonard (Nos. 3141 a, 7760), det. G. P. Clinton & G. L. Zundel, J. A. Stevenson. BPI. (17, Map 408, 1965), (50), (64), (65).

S. occidentalis (Seym.) Clint., Jour. Myc. 8: 141. 1902. On *Sorghum vulgare* Pers. (65).

S. panici-leucophaei (Bref.) Clint.: See *Sphacelotheca cordobensis* (Speg.) Jacks.

S. sorghi (Lk.) Clint., Jour. Myc. 8: 140. 1902. On *Sorghum vulgare* Pers. (6), (14), (17, Map 220, 1965), (50).

Stereum ostrea (Blume & Nees ex Fr.) Fr., Epicrisis, p. 547. 1838. (Syn. *S. lobatum* Kunze ex Fr.). Vic. St. Raphael, Dept. du Nord, on rotten log, 3 XII, 1925, leg. E. C. Leonard (No. 7679), det. J. R. Weir. BPI, also (15) as *S. lobatum*.

S. papyrinum Mont., Pl. Cell. Cuba, p. 374. 1842. Vic. Gros Morne, Dept. de l'Artibonite, on rotten sticks, 18 II, 1926, leg. E. C. Leonard (No. 9991), det. J. R. Weir. BPI, also (15).

Trametes cubense (Mont.) Sacc., Syll. Fung. 9: 198. 1891. Vic. Plaisance, Dept. du Nord, on rotten log, 17 I, 1926, leg. E. C. Leonard (No. 9305), det. J. R. Weir. BPI, also (15).

T. feei Fr.: See *Fomes feei* (Fr.) Lowe.

T. hydroides (Sw. ex Fr.) Fr., Epicrisis, p. 490. 1838. [Syn. *Pogonomyces hydroides* (Sw. ex Fr.) Murr.]. Vic. Mt. Butler; vic. St. Michel de l'Atalaye, Dept. du Nord; vic. Bombardopolis; on rotten logs, 1903—1929, leg. G. V. Nash (No. 24), V. K. Charles, E. C. Leonard (No. 7633), E. C. & G. M. Leonard (No. 13443), det. W. A. Murrill, V. K. Charles, J. R. Weir, J. A. Stevenson. BPI, (42 — report of Nash's No. 24 as *Pogonomyces*).

T. subserpens Murr., Mycologia 12: 108. 1920. Port-au-Prince, on rotten wood, 15 I, 1925, leg. & det. J. R. Weir. BPI, also (15) as *Poria subserpens*?

Ustilago maydis (DC.) Cda., Icones Fung. 5: 3. 1842. [Syn. *U. zeae* (Beckm.) Ung.]. General distrib., on *Zea mays* L. (50) as *U. zeae*.

Xeromphalina tenuipes (Schw.) A. H. Sm., Pap. Mich. Acad. Sci. 38: 84. 1953. [Syn. *Agaricus tenuipes* Schw., *Collybia tenuipes* (Schw.) Sacc., *Gymnopus tenuipes* (Schw.) Murr.]. On dead wood. (15) as *Gymnopus tenuipes*.

Fungi Imperfecti

Alternaria brassicae (Berk.) Sacc., Michelia 2: 172. 1880. On *Brassica oleracea* L. (50).

A. cucumerina (Ell. & Ev.) J. A. Elliott, Amer. Jour. Bot. 4: 472. 1917. [Syn. *Macrosporium cucumerinum* Ell. & Ev.]. On *Cucumis melo* L. (50, as *M. cucumerinum*).

A. dauci (Kuehn) Groves & Skolko, Can. Jour. Sci. (Sec. C) 22: 222. 1944. (Syn. *Macrosporium carotae* Ell. & Langl.). On *Daucus carota* L. (50).

A. longipes (Ell. & Ev.) Mason, Myc. Pap. Imper. Myc. Inst. No. 2, p. 19. 1928. On *Nicotiana tabacum* L. (50).

**A. porri* (Ell.) Cif., Jour. Dept. Agr. Puerto Rico 14: 31. 1930. Port-au-Prince, on *Allium* sp., 1951, leg. H. W. S ch n e c k, det. L. C. C a s h. BPI.

**Aposphaeria* sp. Port-au-Prince; Bayeux. On *Hevea brasiliensis* Müll.-Argov., 15 I & XI, 1925, leg. & det. J. R. W e i r. BPI.

Asbolisia citrina Bat. & Cif., Quaderno Inst. Bot. Univ. Pavia 31: 38. 1963. Bayeux, on *Theobroma cacao* L., 19 I, 1925, leg. J. R. W e i r, det. A. C. B a t i s t a (as No. 11081 *Type*). BPI, IMUR, also (7).

Ascochyta lycopersici (Cke.) Brun., Bull. Soc. Bot. France 34: 430. 1887. (Syn. *Phoma destructiva* Plowr.). On *Lycopersicon esculentum* L. (60, list for 1931 as *Phoma destructiva*).

A. pinodella L. K. Jones, N. Y. State Agr. Exp. Sta. Bull. 547, p. 10. 1927. On *Pisum sativum* L. (50).

A. pisi Lib., Exsic. No. 12, Cent. I, Plantae Crypt. 1830. On *Pisum sativum* L. (50). Cited together with *A. pinodella* L. K. Jones & *Mycosphaerella pinodes* (Berk. & Blox.) R. E. Stone [= *M. pinodes* (Berk. & Blox.) Vest. = *Didymella pinodes* (Berk. & Blox.) Petr., Ann. Myc. 22: 17—18. 1924] as causing necrosis.

Aspergillus flavipes (Bain. & Sart.) Thom & Church, The Aspergilli, p. 155. 1926. Jean Rabel, cult. isol. ex soil, 1960. (51).

Asperisporium caricae (Speg.) Maubl., Bull. Soc. Myc. France 29: 357. 1913. On *Carica papaya* L. (50).

Botryodiplodia minor Berl. & Bres., Micromyc. Trident., p. 72. 1889. Bayeux, on *Manihot glaziovii* Müll.-Argov., 18 I, 1925, leg. & det. J. R. W e i r. BPI, also (15).

B. theobromae Pat., Bull. Soc. Myc. France 8: 136. 1892. [Syn. *Lasiodiplodia theobromae* (Pat.) Griff. & Maubl., *Diplodia theobromae* (Pat.) Nowell, *D. cacaicola* P. Henn., *D. natalensis* P. Evans, *D. tuberculata* (Ell. & Ev.) Taub]. Thor Farm, Marfranc, St. Marks, & elsewhere, on *Citrus aurantifolia* (Christm.) Swingle, *Hevea brasiliensis* Müll.-Argov., *Ipomoea batatas* (L.) Lam., *Mangifera indica* L., *Persea americana* Mill., & *Theobroma cacao* L., 1922—1955, leg. & det. by various workers. BPI, also (6), (48), (50), (60, lists for 1935, 1936). *Botryodiplodia theobromae* Pat. may not be the valid name for the imperfect fungi cited here, but is one that is widely known. It and all listed synonyms have appeared separately in the literature reporting specimens of Haiti. Additional synonyms are listed by R. K. V o o r h e e s

(Univ. Florida Agr. Exp. Sta. Bull. 371, p. 79, 1942) and all are referred to the perfect state name *Physalospora rhodina* (Berk. & Curt.) Cke., which is in turn referred to *Botryosphaeria quercuum* (Schw.) Sacc. by J. A. von Arx & E. Müller (Beitr. Krypt.-Fl. Schweiz 11 (1): 33. 1954).

**Cercospora* sp. Vic. Anse Galette, Gonave Isl.; vic. Etang, Etang Saumatre; vic. Port-au-Prince; vic. St. Michel de l'Atalaye, Dept. du Nord. On *Commicarpus scandens* Standley, *Echinodorus berteroi* (Spreng.) Fassett, *Ipomoea pes-caprae* (L.) Roth, *Haematoxylon campechianum* L., 1920—1925, leg. E. C. Leonard (as No. 3032, 3516, 7048), V. K. Charles, det. W. W. Diehl, V. K. Charles. BPI.

C. antirrhini Muller & Chupp, Ceiba 1: 171. 1950. PQ Interception on *Antirrhinum majus* L. (60, list for 1966).

C. bataticola Cif. & Bruner, Phytopath. 21: 93. 1931. On *Ipomoea batatas* (L.) Lam. (50).

C. beticola Sacc., Nuov. Giorn. Bot. Ital. 8: 189. 1876. On *Beta vulgaris* L. (50).

C. brachiata Ell. & Ev., J. Mycol. 4: 5. 1888. PQ Interception, on *Amaranthus* sp., 2 VI, 1963. BPI, also (60, list for 1966).

**C. calotropidis* Ell. & Ev., Missouri Bot. Gard. Ann. Rept. 9: 120. 1898. Vic. Port-au-Prince, on *Calotropis procera* (Ait.) R. Br., II, 1922, leg. & det. V. K. Charles. BPI.

C. canescens Ell. & G. Martin, Amer. Nat. 16: 1003. 1882. On *Vigna sinensis* (L.) Endl., *Phaseolus vulgaris* L. (50), who reported *C. canescens* as probably identical to *C. cruenta* Sacc. Chupp (13), however, recognizes both species.

C. capsici Heald & Wolf, Mycologic 3: 15. 1911. On *Capsicum frutescens* L. (50).

C. carbonacea Miles, Trans. Illinois Acad. Sci. 10: 255. 1917. On *Dioscorea alata* L. (50).

C. catenospora Atk., Jour. Elisha Mitchell Sci. Soc. 8: 66. 1892. Vic. Furcy, on *Sambucus caerulea* Raf. var. *neomexicana* Rehd. [as *S. intermedia* var. *insularis* Schwerin], 15 VI, 1920, leg. E. C. Leonard (No. 4358), det. V. K. Charles. BPI, also (15).

C. coffeicola Berk. & Cke., Grevillea 9: 99. 1881. Vic. St. Michel de l'Atalaye, Dept. du Nord, on *Coffea* sp., *C. arabica* L., 1925—1955, leg. E. C. Leonard (No. 7361), others ?, det. W. W. Diehl, others ? BPI, (1), (50).

C. echinodori Chupp, Monogr. Cercospora, p. 28. 1953. Vic. Etang, Etang Saumatre, on *Echinodorus berteroi* (Spreng.) Fassett, 12 IV, 1920, leg. E. C. Leonard (No. 3516), det. C. Chupp. BPI-TYPE. (13).

**C. furfurella* Speg., Anal. Soc. Cient. Argentina 26: 72. 1888. Vic. Anse Galette, Gonave Isl., on *Commicarpus scandens* (L.) Standley (Syn.

Boerhaavea scandens L.), 3—14 III, 1920, leg. E. C. Leonard (No. 3032), det. C. Chupp. BPI.

**C. gossypina* Cke., *Grevillea* 12: 31. 1883. Acul du Nord, on *Gossypium* sp., 18 VIII, 1924, leg. O. F. Cook, det. J. A. Stevenson & A. J. Watson. BPI.

C. henningsii Allesch. in Engler's Pflanzenwelt Ost-Afr., Teil C, p. 35. 1895. On *Manihot utilissima* Pohl. (50).

**C. heveae* Vincens, Bull. Soc. Path. Veget. France 2: 25. 1915. Bayeux, on *Hevea* sp., I, 1925, leg. J. R. Weir, det. V. K. Charles. BPI.

C. insulana Sacc., Nuov. Giorn. Bot. Ital. n. s. 22: 74. 1915. On *Limonium sinuatum* (L.) Mill., 20 XII, 1962, PQ Interception by J. C. Buff & H. L. Rubin (No. 21787), det. H. L. Rubin & D. Dody, ver. A. J. Watson. BPI. (60, list for 1966).

**C. mangiferae* Koord., Verh. K. Akad. Wetensch. II. 13: 236. 1907. Vic. St. Marc, on *Mangifera indica* L., 25—28 II, 1920, leg. E. C. Leonard (No. 2979), det. V. K. Charles. BPI.

C. morindicola Jenkins & Chupp, *Mycologia* 35: 480. 1943. Vic. La Table Arise Galette, Gonave Isl., on *Morinda umbellata* L. (*M. roioc* L.), 3—14 III, 1920, leg. E. C. Leonard (No. 3195), det. A. E. Jenkins & C. Chupp. BPI, also (13), (15), (27).

**C. mucunae* H. & P. Sydow, *Hedwigia* 42: (Beiblatt 3). 106. 1903. Vic. St. Michel de l'Atalaye, Dept. du Nord, on *Mucuna pruriens* (L.) DC., 17 XI, 1925, leg. E. C. Leonard (No. 7067), det. W. W. Diehl. BPI.

C. musae Zimm., *Centralb. f. Bakt.* II. 8: 219. 1902. On *Musa* sp., *M. paradisiaca* L. subsp. *sapientum* (L.) Kuntze. (60, lists for 1940, 1942, 1950).

C. nicotianae Ell. & Ev., *Proc. Acad. Sci. Phila.* 45: 170. 1893. Vic. St. Michel de l'Atalaye, Dept. du Nord, and elsewhere, on *Nicotiana tabacum* L., 27 XI, 1925, *et seq.*, leg. E. C. Leonard (No. 7522) *et al.*, det. W. W. Diehl *et al.* BPI. (17, Map 172, 1961), (50), (60, list for 1937).

C. oryzae Miyake, *Jour. Coll. Agr. Imp. Univ. Tokyo* 2: 263. 1910. On *Oryza sativa* L. (50).

C. personata (Berk. & Curt.) Ell. & Ev., *Jour. Myc.* 1: 63. 1885. (Syn. *Cladosporium personata* Berk. & Curt., *Septogloeum arachidis* Rac., *Cercospora arachidis* P. Henn.). On *Arachis hypogaea* L. (50).

C. ricinella Sacc. & Berl., *Atti R. Ist. Ven. Sci. Lett. Arti.* VI. 3: 721. 1885. Vic. Anse Galette, Gonave Isl., on *Ricinus communis* L., 3—14 III, 1920, leg. E. C. Leonard (No. 3058), det. J. A. Stevenson. BPI, also (15).

C. vaginae Krueger, *Ber. Vers. Stat. Zuckerr. West Java* 1: 64. 1890. General distrib., incl. La Mourière, on *Saccharum officinarum* L., 15 III,

1922, *et seq.*, leg. & det. V. K. Charles *et al.* BPI, (17, Map 251. 1952), (36), (57).

**C. zinniae* Ell. & G. Martin, Jour. Myc. 1: 20. 1885. Vic. St. Michel de l'Atalaye, Dept. du Nord, on *Zinnia peruviana* L. (Syn. *Z. multiflora* L.), 25 XI, 1925, leg. E. C. Leonard (No. 7459 a), det. W. W. Diehl. BPI.

**Cladosporium* sp. Vic. Ennery, Dept. de l'Artibonite, on *Sorghum vulgare* Pers. (Syn. *Holcus sorghum* L.), 19 I, 1926, leg. E. C. Leonard (No. 8991), det. G. P. Clinton. BPI.

C. fulvum Cke., *Grevillea* 12: 32. 1883. Widespread and common, on *Lycopersicon esculentum* Mill. (50).

C. spongiosum Berk. & Curt., Jour. Linn. Soc. (London) 10: 362. 1869. Vic. St. Michel de l'Atalaye, Dept. du Nord, on *Setaria setosa* (Swartz) Beauv. (Syn. *Chaetochloa setosa* Swartz), 5 XII, 1925, leg. E. C. Leonard (No. 7759), det. G. P. Clinton. BPI, also (15).

Chloridium musae Stahel, Trop. Agr. 14: 43. 1937. On *Musa* sp. (61).

Colletotrichum sp. On *Citrus sinensis* (L.) Osbeck, *Epidendrum* sp., *Hevea brasiliensis* Müll.-Argov., *Theobroma cacao* L. BPI. (48), (60, lists for 1933, 1935).

C. agaves Cav.: See *C. gloeosporioides* (Penz.) Sacc.

C. coffeanum Noack: See *C. gloeosporioides* (Penz.) Sacc.

C. falcatum Went: See *C. graminicola* (Ces.) G. W. Wils.

C. funtumiae Petch: See *C. gloeosporioides* (Penz.) Sacc.

C. gloeosporioides (Penz.) Sacc., Syll. Fung. 3: 735. 1884. [Syn. *C. agaves* Cav., *C. coffeanum* Noack, *C. funtumiae* Petch., *C. heveae* Petch., *C. papayae* P. Henn., *C. phomoides* Chester non Sacc., *Gloeosporium albo-rubrum* Petch, *G. bidgoodii* Cke., *G. limeticola* Clausen, *G. mangiferae* P. Henn., *G. melongenae* Ell. & Halst., *G. piperatum* Ell. & Ev., *Vermicularia capsici* Syd., *V. gloeosporioides* Penz.]. General distribution, specif. incl. Bayeux, Port-au-Prince, & Thor, on various hosts, incl. *Agave* sp., *A. sisalana* Perrine, *Capsicum annum* L., *C. frutescens* L., *Carica papaya* L., *Citrus* sp., *C. aurantifolia* (Christm.) Swing., *Coffea arabica* L., *Funtumia elastica* (Preuss) Stapf., *Hevea brasiliensis* Müll.-Argov., *Lycopersicon esculentum* (L.) Mill., *Mangifera indica* L., *Oncidium* sp., *Persea americana* Mill., *Solanum melongena* L., & *Theobroma cacao* L., 1922—1956, leg. & det. various. BPI. (15), (48), (50), (60, lists for 1931, 1936, 1939, 1941, 1944). Reports of this common parasite were for the most part made under one or more of the listed synonyms which comprise an abridgment of the list recognized by von Arx (Phytopath. Zeitschr. 29 (4): 413—468. (1957). *C. gloeosporioides* is the imperfect state of *Glomerella cingulata* (Stonem.) Spauld. & Schrenk.

C. graminicola (Ces.) G. W. Wils., Phytopath. 4: 110. 1914. (Syn.

Colletotrichum falcatum Went, *Di cladium graminicola* Ces.). On *Saccharum officinarum* L. (50), (57), (60, lists for 1929, 1937, 1939, 1950).

C. heveae Petch: See *C. gloeosporioides* (Penz.) Sacc.

C. lagenarium (Pass.) Ell. & Halst.: See *C. orbiculare* (Berk. & Mont.) v. Arx.

C. lindemuthianum (Sacc. & Magn.) Scribner, Rept. Sect. Vet. Path. U. S. Dept. Agr. 1887, p. 364. 1888. On *Phaseolus lunatus* L. (50).

C. musae (Berk. & Curt.) v. Arx, Verh. Koninkl. Ned. Akad. Wetensch. Natuurk. Ser. 2, 51 (3): 107. 1957. On *Musa* sp., *M. paradisiaca* L. subsp. *sapientum* (L.) Kuntze. (50), (60, list for 1935). Both reports were as the synonym *Gloeosporium musarum* Cke. & Mass.

C. orbiculare (Berk. & Mont.) v. Arx, Phytopath. Zeitschr. 29 (4): 445. 1957. [Syn. *Colletotrichum lagenarium* (Pass.) Ell. & Halst.]. On *Citrullus vulgaris* Schrad. (50) as *C. lagenarium*.

C. papayae P. Henn: See *C. gloeosporioides* (Penz.) Sacc.

C. phomoides Chester, non Sacc.: See *C. gloeosporioides* (Penz.) Sacc.

Coniothyrium sp. Port-au-Prince, on *Saccharum officinarum* L., 15 I, 1925, leg. & det. J. R. Weir. BPI, (57).

**C. coffeae* Zimm., Centralb. Bakt. II, 8: 216. 1902. Vic. Kalacroix, Dept. de l'Artibonite, on *Coffea arabica* L., 11 XII, 1925, leg. E. C. Leonard (No. 7898), det. W. W. Diehl. BPI.

C. gastoni (Roum.) Berl. & Vogl. in Sacc., Syll. Fung. 10: 266. 1892. [Syn. *Phyllosticta gastoni* Roum., *Phyllostictella gastonis* (Roum.) Tassi]. This species was reported as *Phyllostictella gastonis* by Ciferrì (15) who questioned its validity as a Haitian species. The report apparently was based on Roumeguère's original publication [Rev. Mycol. 8 (29): 19. 1886] or his Fungi Gallici Exsiccati No. 3553, both of which give "Haiti (Océanie)" as the locality where Gaston Brunaud collected it. Since other G. Brunaud collections were reported about the same time as from "Tahiti (Océanie)", there seems little doubt that *C. gastoni* is not Haitian. Most likely the specimen originated from the island "Hiti" of the Tuamotu (Low) Archipelago located in the Pacific Ocean east of Tahiti and considered a part of "French Oceania."

Cordana musae (Zimm.) Hoehn., Centralb. Bact. II, 60: 7. 1923. (Syn. *Scolecotrichum musae* Zimm.). On *Musa* sp., *M. paradisiaca* L. (*M. sapientum* L.) (17, Map 168, 1963), (61).

**Curvularia* sp. Port-au-Prince, on *Sorghum* sp., 14 X, 1957, leg. F. Pierre-Louis, det. J. A. Stevenson. BPI.

Deightoniella torulosa (Syd.) M. B. Ell., Commonw. Myc. Inst. Myc. Pap. No. 66, p. 7. 1957. [Syn. *Helminthosporium torulosum* (Syd.) Ashby]. On *Musa* sp., *M. paradisiaca* L. Reported as *Helminthosporium torulosum* by (17, Map 175, 1949), (50), as *Deightoniella* by (17, Map 175, revised to 1964).

Diplodia sp. On *Cocos nucifera* L. (60, list for 1936).

D. cacaociola P. Henn.: See *Botryodiplodia theobromae* Pat.

D. manihoti Sacc., Ann. Myc. 12: 310. 1914. Bayeux, on *Manihot glaziovii* Müll.-Argov., 18 I, 1925, leg. J. R. Weir, det. V. K. Charles. BPI, also (15).

D. natalensis P. Evans: See *Botryodiplodia theobromae* Pat.

D. theobromae (Pat.) Nowell: See *Botryodiplodia theobromae* Pat.

D. tubericola (Ell. & Ev.) Taub.: See *Botryodiplodia theobromae* Pat.

**Diplodina* sp., Acul du Nord, on *Coffea* sp., 18 VIII, 1924, leg. O. F. Cook, det. W. W. Diehl. BPI.

**Drepanospora pannosa* Berk. & Curt., *Grevillea* 3: 105. 1875. St. Michel de l'Atalaye, Dept. du Nord, on *Crossopetalum rhacoma* (L.) Crantz (Syn. *Rhacoma crossopetalum* L.), 5 XII, 1925, leg. E. C. Leonard (No. 7763 a), det. W. W. Diehl. BPI.

**Epicoccum* sp. Vic. Ennery, Dept. de l'Artibonite, on *Cordia globosa* H., B., & K., 3 II, 1926, leg. E. C. Leonard (No. 9428 a), det. W. W. Diehl. BPI.

**Fusarium* sp. Lamouriere, on *Gossypium* sp., *Lycopersicon esculentum* (L.) Mill., III, 1922, let. & det. V. K. Charles (on cotton). (60, list for 1931, on tomato).

F. annuum Leonian, New Mexico Agr. Exp. Sta. Bull. 121, p. 9. 1919. [? = *F. vasinfectum* Atk. = *F. oxysporum* Schlecht. f. sp. *vasinfectum* (Atk.) Snyder & Hans.]. On *Capsicum annuum* L., *C. frutescens* L. (50).

F. cubense E. F. Sm.: See *F. oxysporum* Schlecht. f. sp. *cubense* (E. F. Sm.) Snyder & Hans.

F. lunatum (Ell. & Ev.) Arx, Verh. Koninkl. Nederl. Akad. Wetensch. Natuurk. Ser. II, 51 (3): 101. 1957. (Syn. *Gloeosporium lunatum* Ell. & Ev.). Vic. Anse Galette, Gonave Isl., on *Opuntia dillenii* (Ker.-Gawl.) Haw., 3—14 III, 1920, leg. E. C. Leonard (No. 3127), det. G. H. Martin. BPI, also (15).

F. martii App. & Wr.: See *F. solani* (Mart.) App. & Wr.

F. moniliforme Sheldon, Ann. Rept. Nebr. Agr. Exp. Sta. 17: 30. 1904. On *Saccharum officinarum* L. (36).

F. oxysporum Schlecht., Fl. Berol. 2: 139. 1824. On *Solanum tuberosum* L. (50).

F. oxysporum Schlecht. f. sp. *cubense* (E. F. Sm.) Snyder & Hans., Amer. Jour. Bot. 27: 66. 1940. (Syn. *F. cubense* E. F. Sm.). On *Musa paradisiaca* L. (Syn. *M. sapientum* L.). (17, Map No. 31, 1966), (50, as *F. cubense*).

F. oxysporum Schlecht. f. sp. *lycopersici* (Sacc.) Snyder & Hans., Amer. Jour. Bot. 27: 66. 1940. On *Lycopersicon esculentum* L. (50).

F. oxysporum Schlecht. f. sp. *pisi* (Linford) Snyder & Hans., Amer. Jour. Bot. 27: 67. 1940. On *Pisum sativum* L. (50).

F. solani (Mart.) Sacc., *Michelia* 2: 296. 1881. General distribution,

on *Coffea arabica* L. in association with *Chremon repentinus* Rehn (Coffee tree cricket). (1).

Gloeocercospora sorghi Bain & Edgerton, *Phytopath.* 33: 225. 1943.

On *Sorghum* sp. & other Gramineae. (17, Map. No. 339, 1957).

Gloeosporium sp. On orchid. (60, list for 1933).

G. albo-rubrum Petch: See *Colletotrichum gloeosporioides* (Penz.) Sacc.

G. bidgoodii Cke.: See *Colletotrichum gloeosporioides* (Penz.) Sacc.

G. limeticola Clausen: See *Colletotrichum gloeosporioides* (Penz.) Sacc.

Sacc.

G. lunatum Ell. & Ev.: See *Fusarium lunatum* (Ell. & Ev.) Arx.

G. mangiferae P. Henn.: See *Colletotrichum gloeosporioides* (Penz.) Sacc.

G. melongenae Ell. & Halst.: See *Colletotrichum gloeosporioides*

(Penz.) Sacc.

G. musarum Cke. & Mass.: See *Colletotrichum musae* (Berk. & Curt.)

Arx.

G. piperatum Ell. & Ev.: See *Colletotrichum gloeosporioides* (Penz.)

Sacc.

Helminthosporium sp. On *Musa paradisiaca* L. (60, list for 1936).

H. carposaprum Pollack, *Phytopath.* 36: 991. 1946. On *Lycopersicon esculentum* (L.) Mill., 18 I, 1938, 8 III, 1945, leg. Ortiz, G. P. Daley, det. F. G. Pollack. BPI, also orig. publ. & (15).

**H. ravenellii* Curt., *Grevillea* 3: 102. 1874. Vic. Jean Rabel, vic. Bois Raque Mediantes Morus Comm., on *Sporobolus* sp., *S. poiretti* (Roem. & Schult.) Hitchcock, 27 I, 1929, 28 IX, 1943, leg. E. C. & G. M. Leonard (No. 13053 a), L. R. Holridge (No. 1724 a), det. W. W. Diehl, J. A. Stevenson. BPI. The species has been referred to *Bipolaris ravenellii* (Curt.) Shoemaker in *Can. Jour. Bot.* 37: 884. 1959.

H. sacchari (B. de Haan) Butl., *Mem. Dept. Agric. India, Bot. Ser.* 6: 207. 1913. On *Saccharum officinarum* L. (17, Map. 349, 1957), (36), (57), (60, list for 1966).

H. torulosum (Syd.) Ashby: See *Deightonella torulosa* (Syd.) M. B. Ell.

**Macrophomina phaseoli* (Maubl.) Ashby, *Trans. Brit. Myc. Soc.* 12: 145. 1927. [Syn. *Macrophoma phaseoli* Maubl., *Sclerotium bataticola* Taub., *Rhizoctonia bataticola* (Taub.) Butl.]. Vic. St. Marks, on *Ipomoea batatas* (L.) Lam., 27 IX, 1921, leg. C. O. Davis, det. J. A. Stevenson. BPI.

Macrosporium cucumerinum Ell. & Ev.: See *Alternaria cucumerina* (Ell. & Ev.) J. A. Elliott.

Melanconium sacchari Mass.: See *Phaeocystostroma sacchari* (Ell. & Ev.) Sutton.

Oidium tabaci Thuem., *Rev. Cient. Lit. Ist. Coimbra, Ser. 2*, 28: 24. 1880. Vic. Port-au-Prince, on *Nicotiana tabacum* L., 1927, leg. R. Du-

vivier, det. & distrib. R. Ciferri (Myc. Dom. Exs. 387). BPI, also (15). The species is discussed in Sydowia 10: 174. 1956. No perfect stages has been reported from Haiti for this fungus, but it often is attributed to *Erysiphe cichoracearum* DC.

Oospora citri-aurantii (Ferr.) Sacc. & Syd., in Sacc., Syll. Fung. 16: 1024. 1902. (Syn. *Oidium citri-aurantii* Ferr.). On *Citrus aurantifolia* (Christm.) Swing., *C. sinensis* (L.) Osbeck, *C. sp.* (17, Map 124, 1946), (60, lists for 1940, 1941).

**Periconia byssoides* Pers. ex Schw., Schrift Naturf. Ges. Leipzig 1: 125. 1822. (Syn. *Periconia pycnospora* Fres.). Bayeux, on *Hevea brasiliensis* Müll.-Argov., 1 XII, 1925, leg. A. E. Jenkins, det. V. K. Charles. BPI.

Pestalotia sp. On *Cocos mucifera* L. (60, list for 1936).

P. cinnamomi B. de Haan, Bull. Inst. Bot. Buitenzorg 6: 12. 1900. Bayeux, on *Cinnamomum zeylanicum* Blume, 18 I, 1925, leg. J. R. Weir, (No. 72541), det. V. K. Charles. BPI, also (15), as on *Cinnamomum sp.*

P. palmarum Cke., Grevillea 4: 115. 1875. On *Cocos mucifera* L. (50).

**P. versicolor* Speg., *Michelia* 1: 479. 1889. On leaves of *Coccoloba uvifera* L., 15 III, 1922, leg. & det. V. K. Charles (see *P. coccolobae* Ell. & Ev.). BPI.

Phaeocystroma sacchari (Ell. & Ev.) Sutton, Commonw. Myc. Inst. Myc. Paper 97, p. 26. 1964. [Syn. *Melanconium sacchari* Mass., *Pleocyta sacchari* (Mass.) Petr. & Syd.]. General distribution, on *Saccharum officinarum* L. Specimen from Le Frow, III, 1922, leg. & det. V. K. Charles. BPI, also (17, Map 255, 1952), (36).

Phoma sp. Vic. St. Michel de l'Atalaye, Dept. du Nord, on *Epidendrum olivaceum* Cogn., *Lycopersicon esculentum* (L.) Mill., 17 XI, 1925, leg. E. C. Leonard (No. 7108 a), det W. W. Diehl. BPI, also (60, list for 1931).

P. destructiva Plowr.: See *Ascochyta lycopersici* (Cke.) Brun.

P. insidiosa Tassi, Bull. Lab. Ort. Bot. Univ. Siena, I, p. 8. 1898. On *Sorghum vulgare* Pers. var. *caffrorum* (Thunb.) Hubb. & Rehder, V, 1942, intercepted J. Luciano, det. J. A. Stevenson. BPI, also (60, list for 1942).

Phomopsis citri Fawc., *Phytopath.* 2: 109. 1912. On *Citrus sinensis* (L.) Osbeck. (60, list for 1931).

P. vexans (Sacc. & Syd.) Harter, Jour. Agric. Res. 2: 338. 1914. (Syn. *Phoma vexans* Sacc. & Syd.). On *Solanum melongena* L. (50). The ascigerous stage, *Diaporthe vexans* Gratz, is known only in cultures.

Phyllosticta sp. On *Mangifera indica* L. (60, list for 1936).

P. batatas (Thuem.) Cke., Grevillea 7: 35. 1898. (Syn. *Depazea batatas* Thuem.). On *Ipomoea batatas* (L.) Lam. (50).

P. heveae Zimm., Bull. Inst. Bot. Buitenzorg 10: 21. 1901. Bayeux,

on *Hevea brasiliensis* Müll.-Argov. 1925. leg. Jenkins, O. F. Cook, J. R. Weir, det. V. K. Charles, J. R. Weir. BPI, also (15).

P. murtoni Fairm., Mycologia 5: 247. 1913. On *Mangifera indica* L., 29 VIII, 1951, intercepted J. Freedland, det. W. S. Fields. BPI, also (15), (60, lists for 1947, 1952).

Phyllostictella gastonis (Roum.) Tassi: See *Coniothyrium gastonis* (Roum.) Berl. & Vogl.

Phyllostictina pyriformis Cash & Watson, Mycologia 47: 737—738. 1955. Vic. Port-au-Prince, on *Dendrobium* sp. (leaves), 4 X, 1944, intercepted E. Kostal, det. E. K. Cash & A. J. Watson. BPI, also (11).

Piricularia grisea (Cke.) Sacc., *Michelia* 2: 148. 1880. (Syn. *Trichothecium griseum* Cke.) On *Musa* sp. (62).

Pleocyta sacchari (Mass.) Petr. & Syd.: See *Phaeocystostroma sacchari* (Ell. & Ev.) Sutton.

(?) *Rhizoctonia* sp. On *Coffea arabica* L., *Theobroma cacao* L. Reported by (50) as probable cause of a "black rot of roots" in both hosts.

R. solani Kuehn, Krankh. Kulturp. p. 224. 1858. Cosmopolitan, on *Solanum tuberosum* L. (50). Sterile state of Basidiomycete usually referred to *Pellicularia filamentosa* (Pat.) Rogers.

Sclerotium bataticola Taub.: See *Macrophomina phaseoli* (Maubl.) Ashby.

Scolecotrichum musae Zimm.: See *Cordana musae* (Zimm.) Hoehn.

Septoria fructigena Berk. & Curt., *Grevillea* 3: 10. 1874. PQ Interception, on *Passiflora quadrangularis* L. (60, list for 1966).

S. lycopersici Speg., *Ann. Soc. Cien. Argentina* 12: 115. 1881. General distribution, on *Lycopersicon esculentum* (L.) Mill. (50).

Sphaceloma fawcettii Jenkins, *Phytopath.* 15: 101. 1925. (Syn. *Cladosporium citri* Fawc.). Imperfect state of *Elsinoë fawcettii* Bitanc. & Jenkins. On *Citrus sinensis* (L.) Osbeck. (60, list for 1931).

S. perseae Jenkins, *Phytopath.* 24: 84—85. 1934. On *Persea americana* Mill. (17, Map 232, 1951), (25), (60, list for 1931).

Stachylidium theobromae Turconi, *Atti Ist. Bot. Univ. Pavia*, ser. 2, 17: 7. 1920. On *Musa paradisiaca* L. [including subsp. *sapientum* (L.) Kuntze]. (17, Map. 146, 1948), (60, lists for 1942, 1948).

Stemphylium botryosum Wallr., *Flora Crypt. Germ.* 2: 300. 1833. [*Macrosporium parasiticum* Thuem., *Thyrospora parasitica* (Thuem.) Angell]. On *Allium cepa* L. (50).

Stilbella flavida (Cke.) P. Henn.: See *Mycena citricolor* (Berk. & Curt.) Sacc.

Thielaviopsis sp. On *Theobroma cacao* L. (48).

T. basicola (Berk. & Br.) Ferr., *Flora Ital. Crypt.* 1, part 1, fasc. 8, p. 233. 1912. On *Nicotiana tabacum* L. (50).

T. paradoxa (de Seynes) Hoehn., *Hedwigia* 43: 295. 1904. On *Saccharum officinarum* L. (60, lists for 1934, 1935, 1936).

Triposporium sp. Bayeux, on *Jambosa jambos* (L.) Mill. (Syn. *Euge-*

nia jambosa L.), VIII, 1903, leg. G. V. Nash (No. 65), det. C. A. Batista & R. Ciferri. (8).

Vermicularia capsici Syd.: See *Colletotrichum gloeosporioides* (Penz.) Sacc.

Verticillium sp. On *Musa paradisiaca* L. (60, list for 1936).

Zygosporium oscheoides Mont., Ann. Sci. Nat. 2 Sér., 17: 121. 1842. (Syn. *Z. paraense* Vincens). Bayeux, on *Hevea brasiliensis* Müll.-Argov., 19 I, 1925, leg. J. R. Weir, det. V. K. Charles. BPI, also (15).

Host List (Plants)

<i>Acrista</i> sp.	<i>Mycosphaerella brassicicola</i>
<i>Anthostomella</i> sp.	<i>Brya buxifolia</i>
<i>Agave sisalana</i>	<i>Trabutia</i> sp.
<i>Colletotrichum gloeosporioides</i>	<i>Cajanus cajan</i>
<i>Agave</i> sp.	<i>Uromyces dolicholi</i>
<i>Colletotrichum gloeosporioides</i>	<i>Calotropis procera</i>
<i>Allium cepa</i>	<i>Cercospora calotropidis</i>
<i>Stemphylium botryosum</i>	<i>Capsicum annuum</i>
<i>Allium</i> sp.	<i>Colletotrichum gloeosporioides</i>
<i>Alternaria porri</i>	<i>Fusarium annuum</i>
<i>Amaranthus</i> sp.	<i>Rhizopus stolonifer</i>
<i>Cercospora brachiata</i>	<i>Capsicum frutescens</i>
<i>Ananas comosus</i>	<i>Cercospora capsici</i>
<i>Phytophthora cinnamomi</i> (?)	<i>Colletotrichum gloeosporioides</i>
<i>Ananas</i> sp.	<i>Fusarium annuum</i>
<i>Ceratocystis paradoxa</i>	<i>Meliola capsicola</i>
<i>Antirrhinum majus</i>	<i>Carica papaya</i>
<i>Cercospora antirrhini</i>	<i>Asperisporium caricae</i>
<i>Arachis hypogaea</i>	<i>Colletotrichum gloeosporioides</i>
<i>Cercospora personata</i>	<i>Carica</i> sp.
<i>Puccinia arachidis</i>	<i>Physarum</i> sp.
<i>Asplenium dentatum</i>	<i>Cassia emarginata</i>
<i>Dothidella basirufa</i>	<i>Ravenelia arthurii</i>
<i>Bauhinia divaricata</i>	<i>Castilla elastica</i>
<i>Uredo haitiensis</i>	<i>Dacryopinax spathularia</i>
<i>Beta vulgaris</i>	<i>Fomes sclerodermeus</i>
<i>Cercospora beticola</i>	<i>Hypoxyton stygium</i>
<i>Bidens pilosa</i>	<i>Cinnamomum zeylanicum</i>
<i>Uromyces bidenticola</i>	<i>Pestalotia cinnamomi</i>
<i>Bletia purpurea</i>	<i>Cissus sicyoides</i>
<i>Uredo nigropuncta</i>	<i>Mykosyrinx cissi</i>
<i>Bomarea ovata</i>	<i>Citrullus vulgaris</i>
<i>Puccinia bomareae</i>	<i>Colletotrichum orbiculare</i>
<i>Borreria</i> sp.	<i>Erysiphe cichoracearum</i>
<i>Polyporus corrosus</i>	<i>Pythium</i> sp.
<i>Brassica oleracea</i>	<i>Citrus aurantifolia</i>
<i>Alternaria brassicae</i>	<i>Botryodiplodia theobromae</i>
<i>Pellicularia filamentosa</i> [stat. imperf.]	<i>Colletotrichum gloeosporioides</i>
= <i>Rhizoctonia solani</i>]	<i>Oospora citri-aurantii</i>
<i>Peronospora parasitica</i>	<i>Rhizopus stolonifer</i>
<i>Brassica</i> spp.	<i>Citrus aurantium</i>

<i>Septobasidium lepidosaphis</i> [on scale:	<i>Cordia globosa</i>
<i>Lepidosaphes beckii</i>]	<i>Epicoccum</i> sp.
<i>Citrus sinensis</i>	<i>Crossopetalum rhacomia</i>
<i>Colletotrichum</i> sp.	<i>Drepanospora pannosa</i>
<i>Nectria diploa</i>	<i>Cucumis melo</i>
<i>Oospora citri-aurantii</i>	<i>Alternaria cucumerina</i>
<i>Phomopsis citri</i>	<i>Erysiphe cichoracearum</i>
<i>Septobasidium spongium</i> [on scale:	<i>Pseudoperonospora cubensis</i>
Coccidae]	<i>Cucumis sativus</i>
<i>Sphaeloma fawcettii</i>	<i>Mycosphaerella citrullina</i>
<i>Citrus</i> sp.	<i>Cucurbita moschata</i>
<i>Capnodium citri</i>	<i>Erysiphe cichoracearum</i>
<i>Colletotrichum gloeosporioides</i>	<i>Daucus carota</i>
<i>Diaporthe citri</i>	<i>Alternaria dauci</i>
<i>Elsinoë fawcettii</i>	<i>Dendrobium</i> sp.
<i>Oospora citri-aurantii</i>	<i>Phyllostictina pyriformis</i>
<i>Phytophthora citrophthora</i>	<i>Dianthera americana</i>
<i>Phytophthora parasitica</i>	<i>Eutypa diantherae</i>
<i>Clusia rosea</i>	<i>Diodia rigida</i>
<i>Coccomyces limitatus</i>	<i>Puccinia lateritia</i>
<i>Guignardia clusiae</i>	<i>Dioscorea alata</i>
<i>Meliola</i> sp.	<i>Cercospora carbonacea</i>
<i>Clusia</i> sp.	<i>Duranta erecta</i>
<i>Mycosphaerella clusiae</i>	<i>Phyllachora fuscarpa</i>
<i>Coccoloba uvifera</i>	<i>Echinodorus berteroi</i>
<i>Pestalotia versicolor</i>	<i>Cercospora echinodori</i>
<i>Coccothrinax</i> sp.	<i>Cercospora</i> sp.
<i>Hysterostomina palmae</i>	<i>Eleocharis interstincta</i>
<i>Cocos nucifera</i>	<i>Puccinia liberta</i>
<i>Diplodia</i> sp.	<i>Uredo incomposita</i>
<i>Pestalotia palmarum</i>	<i>Epidendrum olivaceum</i>
<i>Pestalotia</i> sp.	<i>Phoma</i> sp.
<i>Cocos</i> sp.	<i>Epidendrum</i> sp.
<i>Ceratocystis fimbriata</i>	<i>Colletotrichum</i> sp.
<i>Coffea arabica</i>	<i>Sphenospora kevorkianii</i>
<i>Capnodium</i> sp.	<i>Eugenia maleolens</i>
<i>Cercospora coffeicola</i>	<i>Phyllachora verrucosa</i>
<i>Colletotrichum gloeosporioides</i>	<i>Euphorbia hirta</i>
<i>Coniothyrium coffeae</i>	<i>Uromyces euphorbiae</i>
<i>Fusarium solani</i>	<i>Euphorbia hyssopifolia</i>
<i>Mycena citricolor</i>	<i>Uromyces euphorbiae</i>
<i>Pellicularia koleroga</i>	<i>Euphorbia prostata</i>
? <i>Rhizoctonia</i> sp.	<i>Uromyces euphorbiae</i>
? <i>Rosellinia</i> sp.	<i>Ficus</i> sp.
<i>Sphaerulina coffeicola</i>	<i>Calocera cornea</i>
<i>Coffea</i> sp.	<i>Fimbristylis ferruginea</i>
<i>Cercospora coffeicola</i>	<i>Puccinia superior</i>
<i>Diplodina</i> sp.	<i>Fimbristylis spadicea</i>
<i>Commicarpus scandens</i>	<i>Puccinia superior</i>
<i>Albugo platensis</i>	<i>Funtumia elastica</i>
<i>Cercospora furfurella</i>	<i>Colletotrichum gloeosporioides</i>
<i>Cercospora</i> sp.	<i>Encoelia heteromera</i>
<i>Cordia bullata</i>	<i>Eutypa</i> sp.
<i>Aecidium cordiae</i>	<i>Fomes extensus</i>

- Poria epimiltina*
Geranium sp.
Uromyces geranii
Gossypium barbadense
Glomerella cingulata [stat. imperf. =
Colletotrichum gloeosporioides]
Phakopsora gossypii
Gossypium sp.
Cercospora gossypina
Fusarium sp.
Haematoxylon campechianum
Cercospora sp.
Hevea brasiliensis
Aposphaeria sp.
Botryodiplodia theobromae
Colletotrichum gloeosporioides
Colletotrichum sp.
Hypoxyton nummularium
Hypoxyton rubiginosum
Nummularia broomeiana
Ophiobolus heveae
Periconia byssoides
Phyllosticta heveae
Poria epimiltina
Poria umbrinella
Schizophyllum umbrinum
Torrubiella confragosa
Xylaria fastigiata
Xylaria multiplex
Zygosporium oscheoides
Hevea sp.
Ceratocystis fimbriata
Cercospora heveae
Ionopsis sp.
Sphenospora kevorkianii
Ipomoea batatas
Albugo ipomoeae-panduranae
Botryodiplodia theobromae
Ceratocystis fimbriata
Cercospora bataticola
Coleosporium ipomoeae
Macrophomina phaseoli
Phyllosticta batatas
Rhizopus stolonifer
Ipomoea nil
Coleosporium ipomoeae
Ipomoea pes-caprae
Cercospora sp.
Ipomoea sp.
Ceratocystis fimbriata
Iris sp.
Puccinia iridis
Jacquinia linearis
- Dimerina jacquiniae*
Jambosa jambos
Naetrocymbe scorideae
Phaeochaetia woronichinii
Triposporium sp.
Jatropha gossypifolia
Phakopsora jatrophycola
Limonium sinuatum
Cercospora insulana
Lycopersicon esculentum
Ascochyta lycopersici
Cladosporium fulvum
Colletotrichum gloeosporioides
Fusarium oxysporum f. sp. *lycopersici*
Fusarium sp.
Helminthosporium carposaprum
Phoma sp.
Phytophthora infestans
Septoria lycopersici
Malvastrum spicatum
Puccinia malvacearum
Malvastrum tricuspidatum
Puccinia malvacearum
Mangifera indica
Botryodiplodia theobromae
Cercospora mangiferae
Colletotrichum gloeosporioides
Elsinoë mangiferae
Phyllosticta mortoni
Phyllosticta sp.
Manihot esculenta
Glomerella cingulata [stat. imperf. =
Colletotrichum gloeosporioides]
Manihot glaziovii
Botryodiplodia minor
Diplodia manihoti
Ganoderma sp.
Glomerella cingulata [stat. imperf. =
Colletotrichum gloeosporioides]
Guignardia manihoti
Manihot utilissima
Cercospora henningsii
Melanthera buchii
Uromyces columbianus
Mimosa leonardii
Phaeosphaerella sp.
Mimusops globosa
Fomes melanoporus
Ganoderma applanatum
Hypoxyton stygium
Polyporus linoides
Polyporus zonalis
Poria punctata
Morinda umbellata

- Cercospora morindicola*
Mucana pruriens
Cercospora mucunae
Musa paradisica
 [incl. subsp. *sapientum*]
Colletotrichum musae
Cordana musae
Deightoniella torulosa
Fusarium oxysporum f. sp. *cubense*
Helminthosporium sp.
Mycosphaerella musicola [& stat. imperf. *Cercospora musae*]
Stachyidium theobromae
Verticillium sp.
Musa sp.
Ceratocystis paradoxa
Chloridium musae
Colletotrichum musae
Cordana musae
Deightoniella torulosa
Marasmiellus inoderma
Marasmiellus stenophyllus
Mycosphaerella musicola [& stat. imperf. *Cercospora musae*]
Piricularia grisea
Nicotiana tabacum
Alternaria longipes
Cercospora nicotianae
Erysiphe cichoracearum [stat. imperf. = *Oidium tabaci*]
Thielaviopsis basicola
Oncidium pulchellum
Sphenospora kevorkianii
Sphenospora saphena
Oncidium sp.
Colletotrichum gloeosporioides
Opuntia dillenii
Fusarium lunatum
Oryza sativa
Cercospora oryzae
Passiflora quadrangularis
Septoria fructigena
Persea americana
Botryodiplodia theobromae
Colletotrichum gloeosporioides
Sphaceloma perseae
Phaseolus lunatus
Colletotrichum lindemuthianum
Uromyces phaseoli
Phaseolus vulgaris
Cercospora canescens
Erysiphe polygoni
Isariopsis griseola
- Uromyces phaseoli*
Phylla nodiflora
Meliola lippiae
Puccinia lantanae
Pinus sp.
Antemospora caribaea
Fomes pinicola
Pisum sativum
Ascochyta pinodella
Ascochyta pisi
Didymella pinodes
Fusarium oxysporum f. sp. *pisi*
Polygonum punctatum
Puccinia polygoni-amphibii
Polypodium induens
Acrosporum mazoni
Porophyllum ruderle
Puccinia porophylli
Prosopis juliflora
Fomes robiniae
Prunus persica
Taphrina deformans
Tranzschelia pruni-spinosae
Pseudophoenix insignis
Cyathus intermedius
Psidium guajava
Caudella psidii
Meliola trichostroma
Randia aculeata
Phyllachora randiae
Randia parvifolia
Elsinoë puertoricensis
Ricinus communis
Cercospora ricinella
Rivina humilis
Puccinia raunkaerii
Rosa sp.
Diplocarpon rosae
Sphaerotheca pannosa
Rubus eggertii
Mainsia tenella
Rumex obtusifolius
Aecidium rumicis
Saccharum officinarum
Cercospora vaginiae
Colletotrichum graminicola
Coniothyrium sp.
Elsinoë sacchari
Giberella fujikuroi [& stat. imperf. *Fusarium moniliforme*]
Glomerella tucumanensis
Helminthosporium sacchari
Leptosphaeria sacchari
Marasmius sacchari

- Phaeocystotroma sacchari*
Schizophyllum commune
Thielaviopsis paradoxa
Saccharum sp.
Ceratocystis paradoxa
Sambucus caerulea var.
neomexicana
Cercospora catenospora
Scirpus sp.
Puccinia obtecta
Secchium edule
Mycosphaerella citrullina
Setaria setosa
Cladosporium spongiosum
Sida acuta
Puccinia heterospora
Sida pyramidata
Puccinia heterospora
Sida urens
Irenopsis mölleriana
Solanum melongena
Colletotrichum gloeosporioides
Phomopsis vexans
Solanum tuberosum
Fusarium oxysporum
Pellicularia filamentosa [& stat.
 imperf. *Rhizoctonia solani*]
Phytophthora infestans
Sorghum vulgare
 (incl. var. *caffrorum*)
Cladosporium sp.
Phoma insidiosa
Puccinia purpurea
Sphacelotheca cruenta
Sphacelotheca occidentalis
Sphacelotheca sorghi
Sorghum sp.
Curvularia sp.
Gloeocercospora sorghi
Spondias sp.
Cribraria tenella
Sporobolus poiretii
Helminthosporium ravenelii
Sporobolus sp.
Helminthosporium ravenelii
Stachytarpheta jamaicensis
Puccinia urbaniana
Synedrella nodiflora
Puccinia melampodii
Tamarindus indica
Ptychogaster cubensis
Tecoma stans
Prosopidium elegans
- Prosopidium transformans*
Tetranthus hirsutus
Puccinia melampodii
Tetranthus litoralis
Puccinia melampodii
Tetrazygia longicollis
Godronia parasitica
Theobroma cacao
Asbolisia citrina
Botryodiplodia theobromae
Ceratocystis fimbriata
Colletotrichum gloeosporioides
Colletotrichum sp.
Hypoxyylon rubiginosum
Mycena sp.
Pellicularia spp.
Phytophthora palmivora
? Rhizoctonia sp.
? Rosellinia sp.
Thielaviopsis sp.
Trybliidiella rufula
Trybliidiella sp.
Xylaria arbuscula
Trichachne insularis
Sphacelotheca cordobensis
Trichostigma octandrum
Puccinia raunkaerii
Triticum aestivum
Puccinia recondita
Veronia cinerea
Uredo toroiana
Vigna sinensis
Cercospora canescens
Erysiphe polygoni
Vitis vinifera
Elsinoë ampelina
Guignardia bidwellii
Plasmopara viticola
Wedelia trilobata
Endophyllum wedeliae
Xanthium strumarium
Puccinia xanthii
Zea mays
Puccinia sorghi
Ustilago maydis
Zinnia peruviana
Cercospora zinniae
- Host List (Insects)
- Celaenopsis* sp.
Richia depauperata
 Coccidae (undesignated)
Septobasidium spongium
Euzecornis sp.

Richia dichotoma
Haltica jamaicensis
Laboulbenia fuliginosa
Laboulbenia indiosotoma
Haltica plebeia

Laboulbenia fuliginosa
Lepidosaphes beckii
Septobasidium lepidosaphis
Trogophloeus fulvipes
Cantharomyces haytiensis

Literature Cited

1. Arndt, C. H. and Dozier, H. L., 1931. The Haitian coffee tree cricket. J. Dept. Agric. Puerto Rico 15: 325—335.
2. Arthur, J. C., 1907—1927. Uredinales. N. Amer. Flora 7 (2—12): 83—848.
3. — 1915. Uredinales of Porto Rico based on collections by F. L. Stevens. Mycologia 7: 315—332.
4. — 1916. Uredinales of Porto Rico based on collections by F. L. Stevens (continued). Mycologia 8: 16—33.
5. — and Johnston, J. R. 1917. Uredinales of Cuba. Mem. Torrey Bot. Club 17: 97—175.
6. Barker, H. D., 1926. Plant diseases and pests in Haiti. In Int'l. Rev. Sci. Pract. Agric. N. S. 4 (1): 184—187.
7. Batista, A. C. and Ciferri, R. 1963. The sooty-molds of the family Asbolisiaceae. Ist. Bot. Univ. Pavia Quaderno 31, vii + 229 p., Pavia, Italy.
8. — and —, 1963. Capnodiales. Saccardo, No. 2, 298 p.
9. — and Vital, A. F., 1960. Analytical revision of species of the genus Hysterostomina Theiss. & Syd. Atlas Inst. Myc. Univ. Recife 1: 53—77.
10. Bresadola, J., Hennings, P., and Magnus, P., 1893. Die von Herrn P. Sintenis auf der Insel Portorico 1884—1887 gesammelten Pilze. Engler's Bot. Jahrb. 17: 489—501.
11. Cash, E. K. and Watson, J., 1955. Some fungi on Orchidaceae. Mycologia 47: 729—747.
12. Chardon, C. E., 1932. New or interesting tropical American Dothi-
 dales — III. J. Dept. Agric. Puerto Rico 16: 167—192.
13. Chupp, C., 1953. A monograph of the fungus genus Cercospora. 667 p., Ithaca, N. Y., U. S. A.
14. Ciferri, R., 1931. Smuts collected in the Dominican Republic by E. L. Ekman. I. Ark. f. Bot. 23 A (14): 1—29.
15. — 1961. Mycoflora Domingensis integrata. Ist. Bot. Univ. Pavia, Quaderno 19, 539 p., Pavia, Italy.
16. Clinton, G. P., 1906. Ustilaginalis. N. Amer. Flora 7: 1—82.
17. Commonwealth Mycological Institute, 1942—1967. Distribution maps of plant diseases. 435 maps issued through 1 XI, 1967, Kew, England.
18. Cooke, W. B., 1961 [1962]. The genus Schizophyllum. Mycologia 53: 575—599.
19. Davidson, R. W., Campbell, W. A., and Weber, G. F., 1942. Ptychogaster cubensis, a wood-decaying fungus of southern oaks and waxmyrtle. Mycologia 34: 142—153.
20. Farr, M. L., 1967. Notes on Myxomycetes. Mycopath. & Myc. Appl. 31: 305—313.
21. Furtado, J. S., 1967. Some tropical species of Ganoderma (Polyporaceae) with pale context. Persoonia: 4: 379—389.
22. Hughes, C. G., Abbott, E. V., and Wisner, C. A. (Editors), 1964. Sugarcane diseases of the world. Vol. II. xi + 354 p., Elsevier Publ. Co., N. Y., U. S. A.

23. Jackson, H. S., 1922. New or noteworthy rusts on Carduaceae. *Mycologia* 14: 104—120.
24. — 1931. The rusts of South America based on the Holway collections — V. *Mycologia* 23: 463—503.
25. Jenkins, A. E., 1934. *Sphaceloma perseae* the cause of avacado Scab. *J. Agric. Res.* 49: 859—869.
26. — and Bitancourt, A. A., 1946. *Elsinoë* on *Randia*. *Mycologia* 38: 65—68.
27. — and Chupp, C., 1943. *Cercospora* on *Morinda royoc*. *Mycologia* 35: 480—482.
28. Jorstad, I., 1959. Uredinales from South America and tropical North America, chiefly collected by Swedish botanists. II. *Ark. f. Bot.*, Ser. 2, 4 (5): 59—103.
29. Kern, F. D., and Ciferri, R., 1930. Fungi of Santo Domingo — III. Uredinales. *Mycologia* 22: 111—117.
30. Kern, F. D., and Thurston, H. W., Jr., 1944. Additions to the Uredinales of Venezuela — III. *Mycologia* 36: 54—64.
31. Kuehn, H. H., 1959 [1961]. A preliminary survey of the Gymnoascaceae. II. *Mycologia* 51: 665—692.
32. Lowe, J. L., 1957. Polyporaceae of North America: The genus *Fomes*. 97 p., State Univ. Coll. For., Syracuse, N. Y., U. S. A.
33. — 1963. A synopsis of *Poria* and similar fungi from the tropical regions of the world. *Mycologia* 55: 453—486.
34. — 1966. Polyporaceae of North America: The genus *Poria*. 183 p., State Univ. Coll. For., Syracuse, N. Y., U. S. A.
35. Mains, E. B., 1949. New species of *Torrubiella*, *Hirsutella* and *Gibellula*. *Mycologia* 41: 303—310.
36. Martin, J. P., Abbott, E. V., and Hughes, C. G. (Editors), 1961. Sugar-cane diseases of the world. Vol. I. viii + 542 p., Elsevier Publ. Co., N. Y., U. S. A.
37. Mayor, E., 1914. Contribution à l'étude des Urédinées de Colombie. pp. 442—599 in Fuhrman, O., and Mayor, E., *Voyage d'Exploration Scientifique en Colombie*. 1090 p., Neuchatel, Suisse.
38. Meyers, S. P., 1957. Taxonomy of marine Pyrenomycetes. *Mycologia* 49: 475—528.
39. Miller, J. H., 1961. A monograph of the world species of *Hypoxylon*. xii + 158 p., Univ. Georgia Press, Athens, Ga., U. S. A.
40. Mehrlich, F. P., 1936. Pathogenicity and variation in *Phytophthora* species causing heart rot of pineapple plants. *Phytopath.* 26: 23—43.
41. Murrill, W. A., 1904. The Polyporaceae of North America — VIII. *Hapalopilus*, *Pycnoporus*, and new monotypic genera. *Bull. Torrey Bot. Club* 31: 415—428.
42. — 1904. The Polyporaceae of North America — IX. *Ionotus*, *Sesia* and monotypic genera. *Bull. Torrey Bot. Club* 31: 593—610.
43. — 1905. The Polyporaceae of North America. — X. *Agaricus*, *Lenzites*, 1906. The Polyporaceae of North America — XIII. The described *Cerrena*, and *Favolus*. *Bull. Torrey Bot. Club* 32: 83—103.
44. — 1906. The Polyporaceae of North America — XIII. The described species of *Bjerkandera*, *Trametes*, and *Coriolus*. *Bull. Torrey Bot. Club* 32: 633—656.
45. — 1911. The Agaricaceae of tropical North America — I. *Mycologia* 3: 23—36.
46. — 1913. The Agaricaceae of tropical North America — VI. *Mycologia* 5: 18—36.

47. Murrill, W. A., 1917. Agaricales: Agaricaceae (pars): Agariceae (pars). N. Amer. Flora 10 (3): 145—226.
48. Orellana, R. G., 1956. Cacao diseases in Haiti. Food & Agric. Organiz. (FAO) Plant Protect. Bull. 4: 148—151.
49. Petrak, F., 1950. Exsiccatum of *Eudarlucia australis* Speg., distributed as *Mycosphaera generalis* no. 639.
50. Pierre-Louis, F., 1955. Maladies des plantes économiques d'Haiti. Bull. Agric. Dept. Agric. Haiti 4 (3): 1—51.
51. Raper, K. B., and Fennell, D. L., 1965. The genus *Aspergillus*. ix + 686 p., Williams and Wilkins, Baltimore, Md., U. S. A.
52. Scott, W. W., 1960. A study of some soil-inhabiting Phycomycetes from Haiti. Virginia J. Sci., n. ser., 11 (1): 19—24.
53. Seaver, F. J., 1928. Studies in tropical Ascomycetes — V. Species of *Phyllachora*. Mycologia 20: 214—225.
54. — 1932. Photographs and descriptions of cup-fungi — XVII. A new species of *Godronia*. Mycologia 24: 353—354.
55. — 1945. Photographs and descriptions of cup-fungi — XXXIX. The genus *Godronia* and its allies. Mycologia 37: 333—359.
56. — 1951. The North American cup-fungi (inoperculates). ix + 428 p., Publ. by author, N. Y., U. S. A.
57. Stevenson, J. A., and Rands, R. D., 1938. An annotated list of the fungi and bacteria associated with sugarcane and its products. Hawaiian Plant. Rec. 42: 247—313.
58. Sydow, H., and Sydow, P., 1919. Mykologische Mitteilungen. Ann. Myc. 17: 33—47.
59. Thurston, H. W., Jr., and Kern, F. D., 1933. Distribution of West Indian rusts. Mycologia 25: 58—64.
60. U. S. Dept. Agriculture, 1929—1967. List of intercepted plant pests. Issued yearly for preceding year interceptions by the Plant Quarantine Division and its predecessor units (under the category of Service and Regulatory Announcements prior to 1957). U. S. Gov't Printing Office, Washington, D. C., U.S.A.
61. Wardlaw, C. W., 1938. Banana diseases. 12. Diseases of the banana in Haiti, with special reference to a condition described as 'plant failure.' Trop. Agric. Trinidad 15: 276—282.
62. — 1940. Banana diseases. 13. Further observation on the condition of banana plantations in the Republic of Haiti. Trop. Agric. Trinidad 17: 124—127.
63. Wolf, F. T., 1941. A contribution to the life history and geographic distribution of the genus *Allomyces*. Mycologia 33: 158—173.
64. Zundel, G. L., 1930. Monographic studies on the Ustilaginales attacking *Andropogon*. Mycologia 22: 125—158.
65. — 1939. Additions and corrections to Ustilaginales. N. Amer. Flora 7 (14): 971—1030.

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