FAMILY 147-B. PUTRANJIVACEAE

Drypetes Vahl

Drypetes bawanii (Merr.) Airy Shaw, Kew Bull. 38 (1983) 68 ; Alphab. Enum. Euph. Philipp. (1983) 21; --Cyclostemon bawanii Merr., PJS 20 (1922) 397; EPFP 2 (1923) 405. –Type: FB 25357 Bawan (A*, US*, iso). Luzon: Quezon prov., Atimonan, in fruit, 12 Apr 1916.

LUZON: Quezon (Atimonan; Unisan). Lowland forests, along streams and slopes, altitude 100-300m.

Drypetes celebica (Boerl. & Koord.) Pax & Hoffm. *in* Engl., Pflanzenreich 81 (1922) 272; -- Airy Shaw, Alphab. Enum. Euph. Philipp. (1983) 21.

Drypetes ellipsoidea (Merr.) Pax & Hoffm. in Engl. Pflanzenreich Euphorb.-Phyllanthoid.-Phyllanth. (1922) 250; --Cyclostemon ellipsoideus Merr., PJS 9 c (1914) Bot. 369; EPFP 2 (1923) 406. –Type: Wenzel 828 (GH*, US*, iso). Leyte: Leyte prov., Buenavista near Jaro, in forests, altitude c. 500m, 3 Jun 1914.

Philippines, Sulawesi, New Guinea.

LUZON: Quezon, BANCALAN, LEYTE, SAMAR. Lowland forests.

Drypetes convoluta Airy Shaw, Kew Bull. 19 (1965) 307; --Airy Shaw, Alphab. Enum. Euph. Philipp. (1983) 21. –Type: BS 13810 Ramos (L*, US*, iso). Luzon: Cagayan, Jan 1912.

LUZON: Cagayan.

Drypetes falcata (Merr.) Pax & Hoffm. *in* Engl., Pflanzenreich 81 (1922) 250; --Airy Shaw, Alphab. Enum. Euph. Philipp. (1983) 22; --Cyclostemon falcatus Merr., PJS 3 c (1908) Bot. 415; EPFP 2 (1923) 406. –Type: BS 4033 E Fenix (US*, iso). Camiguin de Babuyanes, along the seashore, 22 Jun 1907.

BABUYAN ISLS (CAMIGUIN). Along the seashore.

Drypetes gitingensis (Elmer) Pax & Hoffm. *in* Engl., Pflanzenreich 81 (1922) 250; --Airy Shaw, Alphab. Enum. Euph. Philipp. (1983) 22; --Cyclostemon gitingensis Elmer, LPB 3 (1910) 912; --Merr., EPFP 2 (1923) 406. –Type: Elmer 12317 (PNH, holo, lost; iso GH*, MO*, US*). Sibuyan: Magallanes (=Magdiwang), Mt Giting-giting, Apr 1910.

SIBUYAN. Lowland forests along streams, altitude c. 300m.

Drypetes globosa (Merr.) Pax & Hoffm. *in* Engl., Pflanzenreich 81 (1922) 247; --Airy Shaw, Alphab. Enum. Euph. P EPFP 2 (1923) 406. –Type: BS 21362 Escritor (SING*, US*, iso). Cuyo, 20 July 1913.

LUZON: Sorsogon, MINDORO, CUYO, MASBATE, MINDANAO: Zamboanga. Lowland thickets and forests.

Drypetes grandifolia (C Robinson) Pax & Hoffm. *in* Engl., Pflanzenreich 81 (1922) 245; --Airy Shaw, Alphab. Enum. Euph. Philipp. (1983) 22; --Cyclostemon grandifolius C Robinson, PJS 3 c (1908) Bot. 197; EPFP 2 (1923) 406. –Type: FB 6554 Hutchinson (US*, iso). Mindanao: Zamboanga, Lumbiag, altitude 40m, in flower, 22 Feb 1907.

Drypetes megacarpa (Merr.) Pax & Hoffm., Bull. Jard. Bot. Buitenzorg ser. 3, 6 (1924)248; --Cyclostemon megacarpus Merr., PJS 7 c (1912) Bot. 387; EPFP 2 (1923) 407. –Type: BS 14953 (A*, iso). Luzon: Laguna prov., San Antonio, in forests, Jun 1912.

Cyclostemon ramiflorus Merr., PJS 7 c (1912) Bot. 387. –Type: FB 13640 Curran & Foxworthy (US*, iso). Negros: Negros Occidental prov., Mt Marapara, on forested ridges, altitude c. 700m, Sept 1909.

Cyclostemon incarnatus Elmer, LPB 7 (1915) 2639. –Type: Elmer 13265 (GH*, US*, iso). Mindanao: Agusan del Norte prov., Cabadbaran, Mt Urdaneta (=Hilong-hilong), Jul 1912.

Borneo and the Philippines.

LUZON: Isabela, Aurora, Laguna, Camarines, MINDORO, PANAY, NEGROS, LEYTE, SAMAR, MINDANAO. In primary forests at low and medium altitudes.

Drypetes heptandra Pax & Hoffm., *in* Engl., Pflanzenreich 81 (1922) 254; --Airy Shaw, Alphab. Enum. Euph. Philipp. (
Philippines.

Drypetes littoralis (C Robinson) Merr., PJS 29 (1926) 380; --Airy Shaw, Euph. Born. (1975) 103; Alphab. Enum. Euph. Philipp. (1983) 22; --Cyclostemon littoralis C Robinson, PJS 3 c (1908) Bot. 198; --Merr., EPFP 2 (1923) 407. –Type: RS Williams 377 (not seen). Luzon: Bataan prov., along the coast at Lamao River, Mt Mariveles, staminate, 30 Dec 1903.

Cyclostemon iwahigensis Elmer, LPB 4 (1911) 1278, pro parte, excl. descr. fl., & No. 13175; --Merr., EPFP 2 (1923) 406. –Type: Elmer 12696 (not seen). Palawan: Palawan prov., Brookes Point, Addison Peak, Feb 1911.

Cyclostemon mindorensis Merr., PJS 9 c (1914) Bot. 479; EPFP 2 (1923) 408. –Type: BS 21311 Escritor (A*, SING*, US*). Mindoro: Mindoro Oriental prov., Naujan, Jul 1913.

Drypetes cumingii (Baill. *ex* Muell.-Arg.) Pax & Hoffm. *in* Engl., Pflanzenreich 81 (1922) 238; --Airy Shaw, Alphab. Enum. Euph. Philipp. (1983) 21; --Cyclostemon cumingii (as 'cummingii') Baill., Étud. Gén. Euph. (1858) 562, *nomen subnudum ex* Muell.-Arg. in DC, Prodr. 15^2 (1866) 485; --Vidal, Phan. Cuming. Philip. (1885) 142; Rev. Pl. Vasc. Filip. (1886) 238; --Merr., EPFP 2 (1923) 406. –Type: Cuming 1695 (L*, iso). Samar.

Borneo, the Philippines, Sulawesi, Lesser Sunda Isls.
LUZON: Ilocos Sur, La Union, Cagayan, Bataan, Laguna, Batangas, Camarines, Sorsogon, MINDORO, PALAWAN, SAMAR, MINDANAO: Misamis. Lowland primary forests, also along the seashore.

Drypetes longifolia (Blume) Pax & Hoffm. *in* Engl., Pflanzenreich 81 (1922) 245; --Airy Shaw, Euph. Born. (1975) 103; Alphab. Enum. Euph. Philipp. (1983) 22; --Whitmore, Tree Fl. Malaya 2 (1973) 88, 89.

Cyclostemon bordenii Merr., Govt. Lab. Publ. (Philipp.) 17 (1904) 26; EPFP 2 (1923) 405. –Type: FB 333 PT Barnes (US*, iso). Luzon: Bataan prov., Lamao River, Feb 1904.

Andaman Islands, S Thailand, Sumatra, Peninsular Malaysia, Java, Borneo, the Philippines, Sulawesi, Lesser Sunda Isls, Moluccas, New Guinea.
BABUYAN ISLS, LUZON: Cagayan, Apayao, Nueva Ecija, Nueva Vizcaya, Pampanga, Bataan, Quezon, Camarines, MINDORO, PANAY, LEYTE, SAMAR, MINDANAO: Surigao. In primary forests at low altitudes. Common.

Drypetes maquilingensis (Merr.) Pax & Hoffm. *in* Engl., Pflanzenreich 81 (1922) 240; --Airy Shaw, Euph. Born. (1975) 104; Alphab. Enum. Euph. Philipp. (1983) 23; --Cyclostemon maquilingensis Merr., PJS 9 c (1914) Bot. 477; EPFP 2 (1923) 407. –Type: FB 20877 Villamil (US*, iso). Luzon: Laguna prov., Mt Makiling, Feb 1914.

Borneo, the Philippines, Sulawesi, Lesser Sunda Isls, Moluccas.
LUZON: Laguna (Mt Makiling), MINDANAO: Zamboanga, Davao, Agusan del Norte. Lowland forests, ascending to 700m.

Drypetes microphylla (Merr.) Pax & Hoffm., *in* Engl., Pflanzenreich 81 (1922) 237; --Airy Shaw, Euph. Born. (1975) 105; Alphab. Enum. Euph. Philipp. (1983) 23; --Whitmore, Tree Fl. Malaya 2 (1973) 88; --Cyclostemon microphyllus Merr., Govt. Lab. Publ. (Philipp.) 17 (1904) 27; EPFP 2 (1923) 407. –Type:

?Cyclostemon oligophlebium Merr., PJS 20 (1922) 398; EPFP 2 (1923) 408. –Type: FB 4036 Merritt (not seen). Mindoro: Mindoro Oriental prov., Bongabong River, 28 Mar 1906.

Peninsular Malaysia, Borneo, and the Philippines.
LUZON (Cagayan to Sorsogon), MINDORO, MASBATE, PANAY, SAMAR, MINDANAO. Low and medium altitude primary forests.

Drypetes mindanaensis (Merr.) Pax & Hoffm. *in* Engl., Pflanzenreich 81 (1922) 248; --Airy Shaw, Alphab. Enum. Euph. Philipp. (1983) 23; --Cyclostemon mindanaensis Merr., PJS 9 c (1914) Bot. 479; EPFP 2 (1923) 408. –Type: FB 12458 V Tarrosa (US*, iso). Mindanao: Zamboanga, Lumbiag, Jul 1908.

MINDANAO: Zamboanga, Davao (Mt Apo, Todaya). Lowland primary forests.

Drypetes monosperma (Merr.) Pax & Hoffm. *in* Engl., Pflanzenreich 81 (1922) 255; --Airy Shaw, Alphab. Enum. Euph. Philipp. (1983) 23; --Cyclostemon monospermus Merr., PJS 1 (1906) Suppl. 76; EPFP 2 (1923) 408. –Syntypes (all from Luzon: Bataan prov., Mt Mariveles, Lamao River): FB 2802 Meyer (US*), Mar 1905; FB 3122 Meyer (US*). May 1905; FB 3235 Meyer (US*). Jun 1905; Whitford 1232 (US*). Apr 1905; FB 1225 Borden (US*). Jun 1904.

BABUYAN ISLS, LUZON: Ilocos Norte, Cagayan, Nueva Ecija, Bulacan, Bataan, Rizal, Laguna, Camarines, MINDORO. In primary forests at low and medium altitudes ascending to 1300m.

Drypetes ovalis (JJ Sm.) Pax & Hoffm. *in* Engl. Pflanzenreich Euphorb. -Phyllanthoid.- Phyllanth. (1922) 269; --Airy Shaw, Alphab. Enum. Euph. Philipp. (1983) 23; --Hemicyclia ovalis JJ Sm., Meded. Dept. Landbouw 10 (1910) 221; --Merr., EPFP 2 (1923) 409. –Type:

Drypetes calcicola (Merr.) Pax & K Hoffm. in Engl., Pflanzenreich 81 (1922) 266; --Cyclostemon calcicola Merr., PJS 9 c (1914) Bot. 478. –Type: Merrill 9427 (US*, iso). Palawan: Taytay Bay, on a small limestone island known as Apulit, in dry thickets and crevices and ravines, steep slopes, altitude c. 10m, 31 May 1913.

Java, the Philippines, Sulawesi, Lesser Sunda Isls.
MINDORO, PALAWAN NEGROS, MALAMAUI. Lowland thickets and forests on limestone.

Drypetes rhakodiskos (Hassk.) Airy Shaw, Kew Bull. 19 (1965) 300; idem. 27 (1972) 76; Euph. Born. (1975) 106; --Whitmore, Tree Fl. Malaya 2 (1973) 88.

Cyclostemon palawanensis Merr., PJS 9 c (1914) Bot. 480; EPFP 2 (1923) 408. –Type: Merrill 9451(US*, iso). Palawan: Palawan prov., Lake Manguao, on dry forested ridges, altitude c. 80m, 27 Apr 1913.

Sumatra, Peninsular Malaysia, Java, Borneo, and WC Philippines.
PALAWAN. Lowland dry forests.

Drypetes sibuyanensis (Elmer) Pax & Hoffm. *in* Engl., Pflanzenreich 81 (1922) 247; --Airy Shaw, Kew Bull. 23 (1969) 59; Euph. Born. (1975) 108; Alphab. Enum. Euph. Philipp. (1983) 24; --Cyclostemon sibuyanensis Elmer, LPB 3 (1910) 914; --Merr., EPFP 2 (1923) 408. –Type: Elmer 12275 (GH*, MO*, US*). Sibuyan: Magallanes (=Magdiwang), Mt Giting-giting, Apr 1910.

Sumatra, Borneo, C Philippines, and Sulawesi.
SIBUYAN (Mt Giting-giting), lowland forests, altitude c. 225m.

Drypetes subcrenata (Merr.) Pax & Hoffm. *in* Engl., Pflanzenreich 81 (1922) 274; --Airy Shaw, Alphab. Enum. Euph. Philipp. (1983) 24; --Hemicyclia subcrenata (Merr.) Merr., EPFP 2 (1923) 409; --Cyclostemon subcrenatus Merr., PJS 7 c (1912) Bot. 388. –Type: FB 21567 Tamesis (A*, US*, iso). Luzon: Batangas prov., near Sto Tomas, in forests at c. 200m, 22 May 1910.

LUZON: Batangas, Camarines, Albay, BANCALAN. Lowland forests.