

A List of Herbarium Specimens¹ from Vanuatu, Collected in 1996 and 1997, Excluding the Orchidaceae

Tamotsu HASHIMOTO², Hiroaki HATTA², Tomohisa YUKAWA², Koji SUGIMURA³,
Sam CHANEL⁴ and Tsukasa IWASHINA²

ACANTHACEAE

Acanthus ilicifolius L.

EFATE. Along the Noai River, 10m alt., 3, Oct. 1997 (Sugimura 4051).

Hemigraphis reptans T. Anders

ESPIRITU SANTO. Along the Elovor River, 10m alt., 3, Oct. 1997 (Sugimura 4047). Along the Pialapa River, between Tsureviu and 1st Camp. 150m alt., 14, Oct. 1997 (Sugimura 4100). Ibid., between 1st Camp and 2nd Camp, 420m alt., 19, Oct. 1997 (Yukawa 97-2174).

Thunbergia alata Boj.

EFATE. Along the Teouma River, 20m alt., 3, Oct. 1997 (Sugimura 4026).

AGAVACEAE

Cordyline terminalis (L.) Kunth

ESPIRITU SANTO. Between Nokovula and Mt. Tabwemasana, on the north ridge of Mt. Tabwemasana, 7, Nov. 1996 (Hatta 1035).

AMARATHACEAE

Amaranthus spinosus L.

EFATE. Port Vila, wayside, 10m alt. 2, Oct. 1997 (Sugimura 4002).

Amaranthus viridis L.

ESPIRITU SANTO. Luganville, wayside, 5m alt., 25, Oct. 1997 (Sugimura 4211).

Cyathula prostrata (L.) Blume

ESPIRITU SANTO. Butmas, in the lowland forest, 540m alt., 23, Oct. 1997 (Sugimura 4196).

AMARYLLIDACEAE

Proiphys amboinensis (L.) Herb.

ESPIRITU SANTO. Between Nokovula and 1st Camp, on the ridge of Mt. Tabwemasana range, 250m alt., 10, Nov. 1996 (Hatta 1084).

¹All the specimens are conserved in TNS, and the duplicates will be sent to PVV.

²Tsukuba Botanical Garden, National Science Museum, Tsukuba, 305-0005 Japan.

³National Institute for Environmental Studies, Tsukuba, 305-0053 Japan.

⁴Department of Forestry, Port Vila, BMP 064 Republic of Vanuatu.

APOCYNACEAE

Alyxia efatensis Guillaumin

ESPIRITU SANTO. Between 1st Camp and 2nd Camp, on the east ridge of Mt. Vutimele, west of Peavot, 800m alt., 21, Nov. 1996 (Hatta 1155 and 1181).

Alyxia stellata Roem. & Schult.

ESPIRITU SANTO. Between Nokovula and 1st Camp, on the ridge of Mt. Tabwemasana range, 700m alt., 10, Nov. 1996 (Hatta 1078).

Ervatamia obtusiuscula Markgraf

ESPIRITU SANTO. Peavot, 10m alt., 27, Nov. 1996 (Hatta 1272). Along the Pialapa River, between Tsureviu and 1st Camp, 50m alt., 14, Oct. 1997 (Sugimura 4097).

Kopsia flavida Blume

ESPIRITU SANTO. Tangoa, edge of forest, 60m alt., 12, Oct. 1997 (Sugimura 4089)

ARALIACEAE

Delarbrea collina Vieill.

ESPIRITU SANTO. Along the Kerepua River, 1st Camp, east of Kerepua, 183m alt., 4, Nov. 1996 (Hatta 1013).

Meryta neo-ebudica J. R. & G. Forst.

ESPIRITU SANTO. Between 2nd Camp and Mt. Vutimena, on the steep slope, 570m alt., 18, Oct. 1997 (Sugimura 4147). Along the Pialapa River, between 1st Camp and Tsureviu, 170m alt., 20, Oct. 1997 (Sugimura 4182).

Polyscias cissodendron (C. Moore & F. Muell.) Harms

ESPIRITU SANTO. Between Nokovula and Mt. Tabwemasana, on the north ridge of Mt. Tabwemasana, 1200m alt., 7, Nov. 1996 (Hatta 1045(1)). Ibid., on the north ridge of Mt. Tabwemasana, 1720m alt., 7, Nov. 1996 (Hatta 1057). 2nd Camp, on the east ridge of Mt. Vutimele, 1100m alt., 23, Nov. 1996 (Hatta 1213).

Polyscias guilfoylei (Bull) L. H. Bailey

ESPIRITU SANTO. Along the Kerepua River, 1st Camp, east of Kerepua, 183m alt., 4, Nov. 1996 (Hatta 1114).

Schefflera neo-ebudica Guillaumin

ESPIRITU SANTO. Between Nokovula and Mt. Tabwemasana, on the north ridge of Mt. Tabwemasana, 1200m alt., 7, Nov. 1996 (Hatta 1045(2)). Between 2nd Camp and Mt. Vutimena, on the steep slope, 640m alt., 18, Oct. 1997 (Sugimura 4152). Butmas, in the lowland forest, 550m alt., 23, Oct. 1997 (Sugimura 4198).

ASCLEPIADACEAE

Hoya australis R. Br.

ESPIRITU SANTO. Between Nokovula and 1st Camp, on the ridge of Mt. Tabwemasana range, 700m alt., 10, Nov. 1996 (Hatta 1077). Between Tanafo and Matantas, edge of forest, 270m alt.,

8, Oct. 1997 (Sugimura 4065).

BALANOPHORACEAE

Balanops pedicellata (Guillaumin) Hjelogvist

ESPIRITU SANTO. Between 2nd Camp and Mt. Vutimele, on the east ridge of Mt. Vutimele, 1520m alt., 23, Nov. 1996 (Hatta 1188).

BALSAMINACEAE

Impatiens sultanii Hook. f.

ESPIRITU SANTO. Between Tanafo and Matantas, edge of forest, 300m alt., 8, Oct. 1997 (Sugimura 4076).

BEGONIACEAE

Begonia vitiensis A. C. Sm.

ESPIRITU SANTO. Palitaliefu, near Nokovula, Mt. Tabwemasana, 1100m alt., 7, Nov. 1996 (Hashimoto 37 and 38) (Local name: Memebu). Between 1st Camp and 2nd Camp, east of Kerepua, 750m alt., 5, Nov. 1996 (Hatta 1027). Along the Pialapa River, between 1st Camp and 2nd Camp, 200m alt., 15, Oct. 1997 (Iwashina 3003). Ibid., between 2nd Camp and 1st Camp, 490m alt., 19, Oct. 1997 (Sugimura 4172).

BIXACEAE

Bixa orellana L.

ESPIRITU SANTO. Peavot, 10m alt., 27, Nov. 1996 (Hatta 1285).

BORAGINACEAE

Cordia sp.

EFATE. Mt. Bernier, edge of forest, 190m alt., 28, Oct. 1997 (Sugimura 4226).

BUDDLEJACEAE

Buddleja asiatica Lour.

ESPIRITU SANTO. Along the Pialapa River, between 1st Camp and Tsureviu, 130m alt., 20, Oct. 1997 (Sugimura 4186).

CASUARINACEAE

Casuarina equisetifolia L.

ESPIRITU SANTO. Luanville, seashore, 2m alt., 12, Oct. 1997 (Sugimura 4094).

CHLORANTHACEAE

Ascarina lanceolata Hook.

ESPIRITU SANTO. Between 2nd Camp and Mt. Vutimele, on the east ridge of Mt. Vutimele, 1450m alt., 23, Nov. 1996 (Hatta 1217). *Ibid.*, on the east ridge of Mt. Vutimele, 1200m alt., 23, Nov. 1996 (Hatta 1229). Between Mt. Vutimena and 2nd Camp, on the steep slope, 1240m alt., 16, Oct. 1997 (Sugimura 4143).

COMMELINACEAE

Aneilema vitiensis Seem.

ESPIRITU SANTO. Butmas, in the lower forest, 560m alt., 23, Oct. 1997 (Sugimura 4202).

Pollia secundiflora (Blume) Bakh. f.

ESPIRITU SANTO. Between Tanafo and Matantas, edge of forest, 8, Oct. 1997 (Yukawa 97-2024).

Zebrina pendula Sohnizl.

ESPIRITU SANTO. Peavot, 10m alt., 27, Nov. 1996 (Hatta 1280).

COMPOSITAE

Emilia sonchifolia (L.) DC.

EFATE. Port Vila, wayside, 10m alt., 2, Oct. 1997 (Sugimura 4004).

Erechtites valerianaefolia (Wolf) DC.

EFATE. Port Vila, wayside. 10m alt., 2, Oct. 1997 (Sugimura 4003).

Pluchea odorata (L.) Cass.

ESPIRITU SANTO. Along the Pialapa River, between Tsureviu and 1st Camp, 150m alt., 14, Oct. 1997 (Sugimura 4101).

Sonchus oleraceus L.

EFATE. Port Vila, wayside, 10m alt., 2, Oct. 1997 (Sugimura 4010).

Synedrella nodiflora (L.) Gaertn.

ESPIRITU SANTO. Luanville, wayside, 5m alt., 25, Oct. 1997 (Sugimura 4210).

Tridax procumbens L.

EFATE. Port Vila, wayside, 10m alt., 2, Oct. 1997 (Sugimura 4019). Narpow, seashore, coral reef, 3m alt., 3, Oct. 1997 (Sugimura 4038).

CONVOLVULACEAE

Ipomoea aquatica Forsk.

ESPIRITU SANTO. Tangoa, edge of forest, 60m alt., 12, Oct. 1997 (Sugimura 4087).

CORIARIACEAE

Coriaria ruscifolia L.

ESPIRITU SANTO. Between Nokovula and Mt. Tabwemasana, on the north ridge of Mt. Tabwemasana, 1700m alt., 7, Nov. 1996 (Hatta 1043).

CORYNOCARPACEAE

Corynocarpus similis Hemsl.

EFATE. Along the Teouma River, in the scrub, 130m alt., 28, Oct. 1997 (Yukawa 97-2230).

CRUCIFERAE

Brassica juncea (L.) Czern.

EFATE. Port Vila, wayside, 10m alt., 2, Oct. 1997 (Sugimura 4013).

Lepidium virginicum L.

EFATE. Port Vila, wayside, 10m alt., 2, Oct. 1997 (Sugimura 4020).

CUCURBITACEAE

Momordica charantia L.

EFATE. Along the Teouma River, 20m alt., 3, Oct. 1997 (Sugimura 4025).

CUNONIACEAE

Geissois denhamii Seem.

ESPIRITU SANTO. Between Nokovula and Mt. Tabwemasana, on the north ridge of Mt. Tabwemasana, 1640m alt., 7, Nov. 1996 (Hatta 1033).

Spiraeanthemum macgillivrayi Seem.

ESPIRITU SANTO. Mt. Vutimena, 1340m alt., 16, Oct. 1997 (Sugimura 4131).

Weinmannia denhami Seem.

ESPIRITU SANTO. Between 2nd Camp and Mt. Vutimele, on the east ridge of Mt. Vutimele, 1510m alt., 23, Nov. 1996 (Hatta 1187).

Weinmannia macgillivrayi Seem.

ESPIRITU SANTO. Mt. Vutimena, 1340m alt., 16, Oct. 1997 (Sugimura 4132).

CYPERACEAE

Carex fissilis Boott.

ESPIRITU SANTO. 2nd Camp, on the east ridge of Mt. Vutimele, 1100m alt., 22, Nov. 1996 (Iwashina 3192). Between 2nd Camp and Mt. Vutimena, on the steep slope, open, 700m alt., 18. Oct. 1997 (Yukawa 97-2121). Ibid., on the steep slope, 900m alt., 16, Oct. 1997 (Sugimura 4119).

Kyllinga cf. seemannianus

ESPIRITU SANTO. Luganville, wayside, 5m alt., 25, Oct. 1997 (Sugimura 4213).

Machaerina falcata (Nees) T. Koyama

AMBAE. Lake Manaro Lakua, Mt. Lombenben, 1397m alt., 15, Nov. 1996 (Iwashina 3153).

DIOSCOREACEAE

Dioscorea bulbifera L.

ESPIRITU SANTO. Between Tanafo and Matantas, the edge of forest, 270m alt., 8. Oct. 1997 (Yukawa 97-2020).

ELAEOCARPACEAE

Elaeocarpus floridanus Hemsl.

ESPIRITU SANTO. Between 1st Camp and 2nd Camp, on the east ridge of Mt. Vutimele, 620m alt., 21, Nov. 1996 (Hatta 1215(1)). Between 2nd Camp and Mt. Vutimele, on the east ridge of Mt. Vutimele, 1300m alt., 23, Nov. 1996 (Hatta 1215(2)).

ERICACEAE

Vaccinium whiteanum Seem.

ESPIRITU SANTO. Between Nokovula and Mt. Tabwemasana, on the north ridge of Mt. Tabwemasana, 1700m alt., 7, Nov. 1996 (Hatta 1070). Between 2nd Camp and Mt. Vutimele, on the east ridge of Mt. Vutimele, 1300m alt., 23, Nov. 1996 (Hatta 1180). Ibid., on the east ridge of Mt. Vutimele, 1400m alt., 23, Nov. 1996 (Hatta 1251). Mt. Vutimena, on the ridge top forest, 1360m alt., 16, Oct. 1997 (Yukawa 97-2070). Between 2nd Camp and Mt. Vutimena, on the steep slope, 1200m alt., 16, Oct. 1997 (Sugimura 4126).

EUPHORBIACEAE

Acalypha amentacea Roxb. var. *grandis* (Benth.) F. R. Fosberg

ESPIRITU SANTO. Palitaliefu, near Nokovula, Mt. Tabwemasana, 7, Nov. 1996 (Hashimoto 46 and 47). Between Tanafo and Matantas, edge of forest, 270m alt., 8, Oct. 1997 (Sugimura 4059). Along the Pialapa River, between 1st Camp and Tsureviu, 130m alt., 20, Oct. 1997 (Sugimura 4183).

Acalypha sp.

ESPIRITU SANTO. Along the Kerepua River, 1st Camp, east of Kerepua, 210m alt., 4, Nov. 1996 (Iwashina 3026).

Breynia disticha J. R. Forst.

ESPIRITU SANTO. Mountain ridge of Upper Kerepua Valley, western slope of Mt. Tabwemasana, 11, Nov. 1996 (Hashimoto 71).

Claoxylon gillisonii Airy Shaw

ESPIRITU SANTO. Palitaliefu, near Nokovula, Mt. Tabwemasana, 1100m alt., 7, Nov. 1996 (Hashimoto 64 and 65).

Claoxylon fallax Muell. Arg.

ESPIRITU SANTO. Butmas, in the lowland forest, 560m alt., 23, Oct. 1997 (Sugimura 4200).

Cleidion javanicum Blume

ESPIRITU SANTO. Between 2nd Camp and Mt. Vutimena, on the steep slope, 620m alt., 18, Oct. 1997 (Sugimura 4150).

Cleidion spiciflorum (Burm. f.) Merr.

ESPIRITU SANTO. Peavot, 10m alt., 27, Nov. 1996 (Hatta 1274).

Codiaeum variegatum (L.) Bl. subsp. *mollucanum* (Decne.) Muell. Arg.

ERAKOR. South of Port Vila, seashore, 4, Oct. 1997 (Yukawa 97-2013). Between Tanafo and Matantas, edge of forest, 270m alt., 8, Oct. 1997 (Sugimura 4063).

Euphorbia atoto Forst. f.

EFATE. Narpow, seashore, sandy plain, 1m alt., 3, Oct. 1997 (Sugimura 4029).

Euphorbia hirta L.

EFATE. Port Vila, wayside, 10m alt., 2, Oct. 1997 (Sugimura 4015).

Euphorbia hypericifolia L.

EFATE. Port Vila, wayside, 10m alt., 2, Oct. 1997 (Sugimura 4012).

Euphorbia prostrata Aiton.

EFATE. Eton, seashore, sandy plain, 1m alt., 3, Oct. 1997 (Sugimura 4041).

Euphorbia sp.

EFATE. Narpow, seashore, sandy plain, 1m alt., 3, Oct. 1997 (Sugimura 4027).

Homalanthus nutans (Forst.) Guillemain

ESPIRITU SANTO. Along the Pialapa River, between Tsureviu and 1st Camp, 130m alt., 14, Oct. 1997 (Sugimura 4098).

Macaranga dioica (J. R. & G. Forst.) Muell. Arg.

ESPIRITU SANTO. Between Tanafo and Matantas, edge of forest, 300m alt., 8, Oct. 1997 (Sugimura 4072).

EFATE. Mt. Bernier, edge of forest, 190m alt., 28, Oct. 1997 (Sugimura 4223, male plant, and 4224, female plant).

Macaranga megacarpa Airy Shaw

ESPIRITU SANTO. 2nd Camp, on the east ridge of Mt. Vutimele, 1100m alt., 23, Nov. 1996 (Hatta 1214).

Macaranga tanarius (L.) Muell. Arg.

ESPIRITU SANTO. Along the Pialapa River, 1st Camp, 150m alt., 15, Oct. 1997 (Sugimura 4103). Ibid., between 1st Camp and Tsureviu, 200m alt., 20, Oct. 1997 (Sugimura 4179).

Phyllanthus amarus Schum.

ESPIRITU SANTO. Luganville, wayside, 5m alt., 25, Oct. 1997 (Sugimura 4218).

FLACOURTIACEAE

Xylosma guillauminii Sleum.

ESPIRITU SANTO. Between Nokovula and Mt. Tabwemasana, on the north ridge of Mt. Tabwemasana, 1740m alt., 7, Nov. 1996 (Hatta 1042).

FLAGELLARIACEAE

Flagellaria indica L.

ESPIRITU SANTO. Between Nokovula and Mt. Tabwemasana, on the north ridge of Mt. Tabwemasana, 1640m alt., 7, Nov. 1996 (Hatta 1048). Between Mt. Vutimele and Mt. Lolohoe, on the ridge, 1640m alt., 23, Nov. 1996 (Hatta 1173). Between 2nd Camp and Mt. Vutimele, on the east ridge of Mt. Vutimele, 1510m alt., 23, Nov. 1996 (Hatta 1186). Butmas, in the lowland forest, 560m alt., 23, Oct. 1997 (Yukawa 97-2200).

GESNERIACEAE

Cyrtandra efatensis Guillaumin

ESPIRITU SANTO. Between Nokovula and Mt. Tabwemasana, on the north ridge of Mt. Tabwemasana, 1380m alt., 7, Nov. 1996 (Hatta 1038). Ibid., on the north ridge, 1200m alt., 7, Nov. 1996 (Hatta 1061). Between 2nd Camp and Mt. Vutimele, on the east ridge of Mt. Vutimele, 1210m alt., 23, Nov. 1996 (Hatta 1175). Between 2nd Camp and Mt. Vutimena, 800m alt., 16, Oct. 1997 (Iwashina 3008). Along the Pialapa River, between 1st Camp and 2nd Camp, 15, Oct. 1997 (Sugimura 4115).

Cyrtandra obovata G. Gillett

ESPIRITU SANTO. Between Mt. Vutimena and 2nd Camp, on the steep slope, 1330m alt., 16, Oct. 1997 (Sugimura 4139).

Cyrtandra sp.

ESPIRITU SANTO. Between 2nd Camp and Mt. Vutimele, on the east ridge of Mt. Vutimele, 1150m alt., 23, Nov. 1996 (Hatta 1242). Between Nokovula and Mt. Tabwemasana, on the north ridge of Mt. Tabwemasana, 1200m alt., 7, Nov. 1996 (Hatta 1046). Between Tanafo and Matamtas, the edge of forest, 270m alt., 8, Oct. 1997 (Yukawa 97-2017).

GRAMINEAE

Centotheca lappacea (L.) Desv.

ESPIRITU SANTO. Butmas, in the lowland forest, 550m alt., 23, Oct. 1997 (Sugimura 4197).

Chloris barbata (L.) Sw.

EFATE. Port Vila, wayside, 10m alt., 2, Oct. 1997 (Sugimura 4005).

Cynodon dactylon (L.) Pers.

EFATE. Port Vila, wayside, 10m alt., 2, Oct. 1997 (Sugimura 4006).

Cyrtococcum oxyphyllum (Steud.) Stapf

AMBAE. Lake Manaro Lakua, Mt. Lombenben, 1397m alt., 15, Nov. 1996 (Iwashina 3152).

ESPIRITU SANTO. Between 2nd Camp and Mt. Vutimena, on the steep slope, 1300m alt., 16, Oct. 1997 (Sugimura 4130).

Eleusine indica (L.) Gaertn.

EFATE. Port Vila, wayside, 10m alt., 2, Oct. 1997 (Sugimura 4016).

Eragrostis tenella (L.) Beauv.

EFATE. Port Vila, wayside, 10m alt., 2, Oct. 1997 (Sugimura 4008).

ESPIRITU SANTO. Luganville, wayside, 5m alt., 25, Oct. 1997 (Sugimura 4216).

Eriochloa procera (Retz.) C. E. Hubbard

ESPIRITU SANTO. Luganville, wayside, 5m alt., 25, Oct. 1997 (Sugimura 4214).

Imperata conferta (J. S. Presl.) Ohwi

ESPIRITU SANTO. Luganville, wayside, 5m alt., 25, Oct. 1997 (Sugimura 4219).

Ischaemum foliosum Hack.

EFATE. Narpow, seashore, coral reef, 3m alt., 3, Oct. 1997 (Sugimura 4035).

Oplismenus compositus (L.) P. Beauv.

EFATE. Mt. Bernier, in the rain forest, 270m alt., 28, Oct. 1997 (Sugimura 4231).

Paspalum orbiculare Forst. f.

EFATE. Port Vila, wayside, 10m alt., 2, Oct. 1997 (Sugimura 4011).

Paspalum paniculatum L.

EFATE. Port Vila, wayside, 10m alt., 2, Oct. 1997 (Sugimura 4017).

ESPIRITU SANTO. Luganville, wayside, 5m alt., 25, Oct. 1997 (Sugimura 4209).

Setaria pallidi-fusca (Schum.) Stapf & C. E. Hubbard

ESPIRITU SANTO. Luganville, wayside, 5m alt., 25, Oct. 1997 (Sugimura 4220).

Sorghum halepense (L.) Pers.

EFATE. Port Vila, wayside, 10m alt., 2, Oct. 1997 (Sugimura 4001).

Sporobolus diander (Retz.) P. Beauv.

ESPIRITU SANTO. Luganville, wayside, 5m alt., 25, Oct. 1997 (Sugimura 4215).

Stenotaphrum dimidiatum (L.) Brongn.

ESPIRITU SANTO. Luganville, wayside, 5m alt., 25, Oct. 1997 (Sugimura 4217).

Thuarea involuta (Forst. f) R. Br.

EFATE. Narpow, seashore, sandy plain, 1m alt., 3, Oct. 1997 (Sugimura 4031).

GOODENIACEAE

Scaevola neo-ebudica Guillaumin

ESPIRITU SANTO. Between Nokovula and Mt. Tabwemasana, on the north ridge of Mt. Tabwemasana, 1640m alt., 7, Nov. 1996 (Hatta 1049).

GUTTIFERAE

Callophyllum inophyllum L.

ESPIRITU SANTO. Luganville, seashore, 5m alt., 24, Oct. 1997 (Yukawa 97-2210).

Garcinia pseudoguttifera Seem.

EFATE. Mt. Bernier, in the rain forest, 28, Oct. 1997 (Yukawa 97-2217).

ESPIRITU SANTO. Along the Pialapa River, between 2nd Camp and 1st Camp, 500m alt., 19, Oct. 1997 (Sugimura 4171).

HERNANDIACEAE

Gyrocarpus americanus Jacq.

EFATE. East coast of Efate, 27, Oct. 1996 (Hashimoto 1, 2, 3, and 4).

IRIRIKI. Near Port Vila, 28, Oct. 1996 (Hatta 1051).

LABIATAE

Coleus scutellarioides Benth.

ESPIRITU SANTO. Along the Pialapa River, between 1st Camp and Tsureviu, 130m alt., 20, Oct. 1997 (Sugimura 4185).

Plectranthus forsteri Benth.

ESPIRITU SANTO. Tangoa, wayside, 10m alt., 12, Oct. 1997 (Sugimura 4093).

LAURACEAE

Cryptocarya hornei Gillespie

EFATE. Mt. Bernier, edge of forest, 190m alt., 28, Oct. 1997 (Sugimura 4221).

Cryptocarya turbinata Gillespie

EFATE. Along the Teouma River, in the scrub, 130m alt., 28, Oct. 1997 (Sugimura 4235).

LEEACEAE

Leea indica (Burm. f.) Merr.

ESPIRITU SANTO. Peavot, 10m alt., 27, Nov. 1996 (Hatta 1281). Between Tanafo and Matantas, edge of forest, 300m alt., 8, Oct. 1997 (Sugimura 4075). Along the Pialapa River, between 2nd Camp and 1st Camp, 260m alt., 19, Oct. 1997 (Sugimura 4176).

LEGUMINOSAE

Acacia simplex (Sparrman) Pedley

ESPIRITU SANTO. Between Tsureviu and Tolomako, seashore, sandy plain, 2m alt., 21, Oct. 1997 (Sugimura 4191).

Canavalia cathartica Thouars

EFATE. Narpow, seashore, sandy plain, 1m alt., 3, Oct. 1997 (Sugimura 4033).

Canavalia rosea (Sw.) DC.

EFATE. Narpow, seashore, coral reef, 3m alt., 3, Oct. 1997 (Sugimura 4034). Eton, seashore,

sandy plain, 1m alt., 3, Oct. 1997 (Sugimura 4043).

Desmodium ormocarpoides DC.

ESPIRITU SANTO. Tangoa, edge of forest, 60m alt., 12, Oct. 1997 (Sugimura 4083).

Desmodium umbellatum (L.) DC.

ESPIRITU SANTO. Peavot, 10m alt., 27, Nov. 1996 (Hatta 1282). Between Tolomako and Tsureviu, seashore, sandy plain, 2m alt., 13, Oct. 1997 (Sugimura 4095). Along the Pialapa River, between 1st Camp and Tsureviu, 130m alt., 20, Oct. 1997 (Sugimura 4184).

Phaseolus atropurpureus DC.

EFATE. Along the Teouma River, 20m alt., 3, Oct. 1997 (Sugimura 4024).

Pterocarpus indicus Willd.

ESPIRITU SANTO. Tangoa, edge of forest, 60m alt., 12, Oct. 1997 (Sugimura 4086).

Strongylodon lucidus (Forst. f.) Seem.

EFATE. Mt. Bernier, in the rain forest, ca. 150m alt., 28, Oct. 1997 (Yukawa 97-2216). Along the Teouma River, in the scrub, 130m alt., 28, Oct. 1997 (Yukawa 97-2226).

ESPIRITU SANTO. Between Tanafo and Matantas, the edge of forest, 8. Oct. 1997 (Yukawa 97-2023). Between 2nd Camp and Mt. Vutimena, on the steep slope, 670m alt., 18, Oct. 1997 (Sugimura 4153).

LEMNACEAE

Lemna cf. perpusilla

EFATE. Along the Teouma River, 20m alt., 3, Oct. 1997 (Sugimura 4022).

LILIACEAE

Collospermum montanum (Seem.) Skottsb.

ESPIRITU SANTO. 2nd Camp, on the east ridge of Mt. Vutimele, 1100m alt., 22, Nov. 1996 (Hatta 1195). Mt. Vutimena, in the ridge top forest, 1360m alt., 16, Oct. 1997 (Yukawa 97-2068).

Smilax vitiensis A. DC.

ESPIRITU SANTO. Along the Kerepua River, 1st Camp, east of Kerepua, 200m alt., 4, Nov. 1996 (Hatta 1022 and 1023). Between Tanafo and Matantas, the edge of forest, 270m alt., 8. Oct. 1997 (Yukawa 97-2016).

LOGANIACEAE

Fagraea ceilanica Thunb.

ESPIRITU SANTO. Between Nokovula and Mt. Tabwemasana, on the north ridge of Mt. Tabwemasana, 1480m alt., 7, Nov. 1996 (Hatta 1050). Ibid., on the north ridge of Mt. Tabwemasana, 1625m alt., 7, Nov. 1996 (Hatta 1037). Between Mt. Vutimena and 2nd Camp, on the steep slope, 1320m alt., 16, Oct. 1997 (Sugimura 4140).

Neuburgia corynocarpa (A. Gray) Leenh.

ESPIRITU SANTO. Peavot, 10m alt., 27, Nov. 1996 (Hatta 1289(1)).

LORANTHACEAE

Amyema aneityensis (Guillaumin) Danser

ESPIRITU SANTO. Palitaliefu, near Nokovula, Mt. Tabwemasana, 1100m alt., 7, Nov. 1996 (Hashimoto 55 and 56).

Amyema sp.

ESPIRITU SANTO. Between 2nd Camp and Mt. Vutimena, on the steep slope, 900m alt., 18, Oct. 1997 (Sugimura 4168).

Cassytha filiformis L.

EFATE. Narpow, seashore, sandy plain, 1m alt., 3, Oct. 1997 (Sugimura 4032).

Korthalsella platycaula Engl.

ESPIRITU SANTO. Between Nokovula and Mt. Tabwemasana, on the north ridge of Mt. Tabwemasana, 1720m alt., 7, Nov. 1996 (Hatta 1056).

Lysiana banksiana Danser

ESPIRITU SANTO. Palitaliefu, near Nokovula, Mt. Tabwemasana, 1100m alt., 7, Nov. 1996 (Hashimoto 57 and 58). Between Nokovula and Mt. Tabwemasana, on the north ridge of Mt. Tabwemasana, 1640m alt., 7, Nov. 1996 (Hatta 1034).

LYTHRACEAE

Pemphis acidula Forst.

EFATE. Narpow, seashore, coral reef, 3m alt., 3, Oct. 1997 (Sugimura 4036).

MALVACEAE

Abutilon indicum (L.) Sweet

EFATE. Eton, seashore, sandy plain, 1m alt., 3, Oct. 1997 (Sugimura 4042).

Hibiscus cf. *mosaginensis*

ESPIRITU SANTO. Along the Pialapa River, between 1st Camp and Tsureviu, 180m alt., 20, Oct. 1997 (Sugimura 4181).

Sida acuta Burm. f.

EFATE. Port Vila, wayside, 10m alt., 2, Oct. 1997 (Sugimura 4007).

MARANTACEAE

Donax cannaeformis (Forst. f.) Rolfe

ESPIRITU SANTO. Peavot, 10m alt., 27, Nov. 1996 (Hatta 1275). Along the Pialapa River, between 1st Camp and Tsureviu, 100m alt., 20, Oct. 1997 (Sugimura 4188).

EFATE. Along the Teouma River, in the scrub, 130m alt., 28, Oct. 1997 (Yukawa 2228).

MELASTOMATACEAE

Astronidium aneityense (Guillaumin) A. C. Sm.

ESPIRITU SANTO. Between 2nd Camp and Mt. Vutimele, on the east ridge of Mt. Vutimele, 1450m alt., 23, Nov. 1996 (Hatta 1183). Ibid., on the east ridge of Mt. Vutimele, 1400m alt., 23, Nov. 1996 (Hatta 1218). 2nd Camp, on the east ridge of Mt. Vutimele, 1100m alt., 22, Nov. 1996 (Hatta 1245).

Astronidium vitiense

ESPIRITU SANTO. Between 2nd Camp and Mt. Vutimena, on the steep slope, 940m alt., 18, Oct. 1997 (Sugimura 4164).

Medinilla cauliflora Hemsl.

ESPIRITU SANTO. Butmas, in the lowland forest, 510m alt., 23, Oct. 1997 (Yukawa 97-2204).

Medinilla heteromorphophylla Guillaumin

ESPIRITU SANTO. West of Peavot, 1st Camp and 2nd Camp, on the east ridge of Mt. Vutimele, 740m alt., 21, Nov. 1996 (Hatta 1149 and 1151). Ibid., 1st Camp and 2nd Camp, on the east ridge of Mt. Vutimele, 800m alt., 26, Nov. 1996 (Hatta 1287(1)). Between 2nd Camp and Mt. Vutimena, on the steep slope, open 700-800m alt., 16, Oct. 1997 (Yukawa 97-2059). Between 2nd Camp and on the steep slope, 800m alt., 16, Oct. 1997 (Sugimura 4118). Ibid., on the steep slope, 800m alt., 18, Oct. 1997 (Sugimura 4160).

Melastoma denticulatum Labill.

ESPIRITU SANTO. Palitaliefu, near Nokovula, Mt. Tabwemasana, 1100m alt., 7, Nov. 1996 (Hashimoto 33 and 34).

Melastoma malabathricum L.

ESPIRITU SANTO. Between 1st Camp and 2nd Camp, on the east ridge of Mt. Vutimele, west of Peavot, 740m alt., 21, Nov. 1996 (Hatta 1150). Between 2nd Camp and Mt. Vutimena, on the steep slope, 570m alt., 18, Oct. 1997 (Sugimura 4148).

MENISPERMACEAE

Pycnarrhena ozantha Diels

ESPIRITU SANTO. Between Nokovula and 1st Camp, on the ridge, Mt. Tabwemasana range, 600m alt., 10, Nov. 1996 (Hatta 1085).

MORACEAE

Antiaris toxicaria (Pers.) Lesch.

EFATE. Port Vila, ca. 10m alt., 29, Oct. 1997 (Yukawa 97-2231).

ESPIRITU SANTO. Peavot, 10m alt., 27, Nov. 1996 (Hatta 1285).

Ficus adenosperma Miq.

ESPIRITU SANTO. Between Tanafo and Matantas, edge of forest, 270m alt., 8, Oct. 1997 (Sugimura 4055). Along the Pialapa River, between 1st Camp and 2nd Camp, 220m alt., 15, Oct. 1997 (Sugimura 4105).

Ficus austrina Corner

ESPIRITU SANTO. Between Tanafo and Matantas, the edge of forest, 270m alt., 8, Oct. 1997

(Yukawa 97-2025).

Ficus littoralis Blume

ESPIRITU SANTO. Between Tanafo and Matantas, edge of forest, 270m alt., 8, Oct. 1997 (Sugimura 4062).

Ficus scabra Forst. f.

ESPIRITU SANTO. Butmas, in the lowland forest, 560m alt., 23, Oct. 1997 (Sugimura 4201).

Ficus septica Burm. f.

ESPIRITU SANTO. Along the Pialapa River, between Tsureviu and 1st Camp, 130m alt., 14, Oct. 1997 (Sugimura 4099).

Ficus storkii Seem. var. *kajewskii* (Sumnerhayes) Corner

ESPIRITU SANTO. Between Nokovula and Mt. Tabwemasana, on the north ridge of Mt. Tabwemasana, 1200m alt., 7, Nov. 1996 (Hatta 1063).

Ficus tinctoria Forst. f.

ESPIRITU SANTO. Butmas, in the lowland forest, 510m alt., 23, Oct. 1997. (Yukawa 97-2205). Ibid., in the lowland forest, 550m alt., 23, Oct. 1997 (Sugimura 4194).

MYRISTICACEAE

Myristica fatua Houtt. var. *papuana* Markgraf

EFATE. Mt. Bernier, edge of forest, 190m alt., 28, Oct. 1997 (Sugimura 4222).

ESPIRITU SANTO. Between 1st Camp and 2nd Camp, on the east ridge of Mt. Vutimele, west of Peavot, 620m alt., 21, Nov. 1996 (Hatta 1147). Peavot, 10m alt., 27, Nov. 1996 (Hatta 1277). Along the Pialapa River, between 1st Camp and Tsureviu, 120m alt., 20, Oct. 1997 (Sugimura 4187).

MYRSINACEAE

Ardisia sp.

ESPIRITU SANTO. Between 2nd Camp and Mt. Vutimena, on the steep slope, 1010m alt., 18, Oct. 1997 (Sugimura 4166).

Maesa ambrymensis Guillaumin

ESPIRITU SANTO. Between 2nd Camp and Mt. Vitimena, on the steep slope, 610m alt., 16, Oct. 1997 (Sugimura 4116).

Maesa sp.

ESPIRITU SANTO. Mountain ridge of Kerepua Valley, along the pass to Mt. Tabwemasana, 7, Nov. 1996 (Hashimoto 31 and 32) (Local name: Chalinapupura).

Tapeinosperma scrobiculatum (Seem.) Mez

ESPIRITU SANTO. Between Nokovula and Mt. Tabwemasana, on the north ridge of Mt. Tabwemasana, 1400m alt., 7, Nov. 1996 (Hatta 1029).

MYRTACEAE

Metrosideros collina (J. R. & G. Forst.) A. Gray

ESPIRITÚ SANTO. Between Nokovula and Mt. Tabwemasana, on the north ridge of Mt. Tabwemasana, 1630m alt., 7, Nov. 1996 (Hatta 1030). Ibid., on the north ridge of Mt. Tabwemasana, 1720m alt., 7, Nov. 1996 (Hatta 1056). Between Kerepua and Palitaliefu, ca. 800m alt., 10, Nov. 1996 (Hashimoto 42 and 43) (Local name: Wunciaiu). Between 2nd Camp and Mt. Vutimele, on the east ridge of Mt. Vutimele, 1400m alt., 23, Nov. 1996 (Hatta 1218(1)).

Syzygium clusiaefolium (A. Gray) F. Muell.

ESPIRITU SANTO. Along the Kerepua River, 1st Camp, east of Kerepua, 200m alt., 4, Nov. 1996 (Hatta 1009).

Syzygium gracilipes A. Gray

ESPIRITU SANTO. Between 2nd Camp and Mt. Vutimele, on the east ridge of Mt. Vutimele, 1350m alt., 23, Nov. 1996 (Hatta 1219). 2nd Camp, on the east ridge of Mt. Vutimele, 1100m alt., 23, Nov. 1996 (Hatta 1249). Between 2nd Camp and Mt. Vutimena, 1100m alt., 15, Oct. 1997 (Iwashina 3007).

Syzygium nutans (K. Schumann) Merr. & Perry

ESPIRITU SANTO. Between 2nd Camp and Mt. Vutimele, on the east ridge of Mt. Vutimele, 1250m alt., 23, Nov. 1996 (Hatta 1230).

Syzygium sp.

ESPIRITU SANTO. Between 2nd Camp and Mt. Vutimele, on the east ridge of Mt. Vutimele, 1300m alt., 23, Nov. 1996 (Hatta 1240). Butmas, in the lowland forest, 530m alt., 23, Oct. 1997 (Sugimura 4205).

PALMAE

Clinostigma harlandi Becc.

ESPIRITU SANTO. Between 1st Camp and 2nd Camp, on the east ridge of Mt. Vutimele, west of Peavot, 900m alt., 26, Nov. 1996 (Hatta 1289(2)).

PANDANACEAE

Freycinetia impavida (Gaudich. ex Hombr.) Stone

ESPIRITU SANTO. Between Nokovula and Mt. Tabwemasana, on the north ridge of Mt. Tabwemasana, 1200m alt., 7, Nov. 1996 (Hatta 1062).

Freycinetia cf. *flavida*

ESPIRITU SANTO. Mt. Vutimena, in the ridge top forest, 1360m alt., 16, Oct. 1997 (Yukawa 97-2071).

Freycinetia tannaensis Martelli

EFATE. Mt. Bernier, in the rain forest, 28, Oct. 1997 (Yukawa 97-2222).

ESPIRITU SANTO. Between Nokovula and Mt. Tabwemasana, on the north ridge of Mt. Tabwemasana, 1380m alt., 7, Nov. 1996 (Hatta 1039). Palitaliefu, near Nokovula, Mt. Tabwemasana, 1100m alt., 8, Nov. 1996 (Hashimoto 61, 62 and 63). Mt. Vutimena, in the ridge top forest, 1360m alt., 16, Oct. 1997 (Yukawa 97-2072).

PHYTOLACCACEAE

Physalis angulata L.

EFATE. Along the Teouma River, edge of forest, 130m alt., 28, Oct. 1997 (Sugimura 4236).

PIPERACEAE

Macropiper latifolium Miq.

ESPIRITU SANTO. Between Nokovula and Mt. Tabwemasana, on the north ridge of Mt. Tabwemasana, 1100m alt., 7, Nov. 1996 (Hatta 1055). Peavot, 10m alt., 27, Nov. 1996 (Hatta 1279). Along the Pialapa River, between 2nd Camp and 1st Camp, 510m alt., 19, Oct. 1997 (Sugimura 4170). Ibid., between Tsureviu and 1st Camp, 170m alt., 20, Oct. 1997 (Yukawa 97-2181).

Peperomia pallidinervis C. DC.

ESPIRITU SANTO. Along the Kerepua River, 1st Camp, east of Kerepua, 200m alt., 4, Nov. 1996 (Hatta 1026). Palitaliefu, Mt. Tabwemasana, 1100m alt., 7, Nov. 1996 (Hashimoto 39) (Local name: Kukuipune). Between 2nd Camp and 1st Camp, on the ridge, Mt. Tabwemasana range, east of Kerepua, 800m alt., 10, Nov. 1996 (Iwashina 3148). Along the Pialapa River, between Tsureviu and 1st Camp, 150m alt., 14, Oct. 1997 (Sugimura 4102). Ibid., between 1st Camp and 2nd Camp, 250m alt., 15, Oct. 1997 (Sugimura 4106). Between 2nd Camp and Mt. Vutimena, on the steep slope, 1000m alt., 16, Oct. 1997 (Sugimura 4125).

Peperomia sp.

ESPIRITU SANTO. Between 2nd Camp and Mt. Vutimele, on the east ridge of Mt. Vutimele, 1200m alt., 23, Nov. 1996 (Hatta 1239).

Piper methysticum Forst. f.

ESPIRITU SANTO. Palitaliefu, near Nokovula, Mt. Tabwemasana, 1100m alt., 7, Nov. 1996 (Hashimoto 16 and 17).

Piper solomonense

ESPIRITU SANTO. Between Tanafo and Matantas, edge of forest, 300m alt., 8, Oct. 1997 (Sugimura 4074).

Piper vitiensis A. C. Sm.

ESPIRITU SANTO. Between Tanafo and Matantas, edge of forest, 270m alt., 8, Oct. 1997 (Sugimura 4061).

PITTOSPORACEAE

Pittosporum campbelli F. Muell.

ESPIRITU SANTO. Along the Pialapa River, between Tsureviu and 1st Camp, 140m alt., 14, Oct. 1997 (Yukawa 97-2037).

Pittosporum rhytidocarpum A. Gray

ESPIRITU SANTO. Between Nokovula and 1st Camp, on the ridge, Mt. Tabwemasana range, 700m alt., 10, Nov. 1996 (Hatta 1080 and 1081).

POLYGALACEAE*Polygala paniculata* L.

ESPIRITU SANTO. Palitaliefu, near Nokovula, Mt. Tabwemasana, 1100m alt., 7, Nov. 1996 (Hashimoto 44 and 45) (Local name: Uta).

POLYGONACEAE*Polygonum minus* Huds.

ESPIRITU SANTO. Tangoa, edge of forest, 60m alt., 12, Oct. 1997 (Sugimura 4088).

PORTULACACEAE*Portulaca oleracea* L.

EFATE. Port Vila, wayside, 10m alt., 2, Oct. 1997 (Sugimura 4021).

Sessurium portulacastrum L.

EFATE. Narpow, seashore, sandy plain, 1m alt., 3, Oct. 1997 (Sugimura 4030).

POTAMOGETONACEAE*Potamogeton pusillus* L.

EFATE. Along the Teouma River, 20m alt., 3, Oct. 1997 (Sugimura 4023).

RHAMNACEAE*Colubrina asiatica* (L.) Brongn.

ESPIRITU SANTO. Between Tsureviu and Tolomako, seashore, sandy plain, 2m alt., 21, Oct. 1997 (Sugimura 4192).

RHIZOPHORACEAE*Bruguiera gymorrhiza* (L.) Lam.

EFATE. Along the Noai River, 10m alt., 3, Oct. 1997 (Sugimura 4050).

ROSACEAE*Rubus neo-ebudicus* Guillaumin

ESPIRITU SANTO. Palitaliefu, near Nokovula, Mt. Tabwemasana, 1100m alt., 7, Nov. 1996 (Hashimoto 48) (Local name: Kolkol-oa). Between Nokovula and Mt. Tabwemasana, on the north ridge of Mt. Tabwemasana, 1460m alt., 7, Nov. 1996 (Hatta 1065).

Rubus roseifolius J. E. Sm. ex Baker

EFATE. Mt. Bernier, edge of forest, 190m alt., 28, Oct. 1997 (Sugimura 4233).

RUBIACEAE

Bikkia tetrandra (Forst. f.) A. Rich.

EFATE. Narpow, seashore, coral reef, 3m alt., 3, Oct. 1997 (Sugimura 4040).

Coprosma persicaefolia A. Gray

ESPIRITU SANTO. Between Mt. Vutimena and 2nd Camp, on the steep slope, 1330m alt., 16, Oct. 1997 (Sugimura 4138).

Dolicholobium oblongifolium A. Gray

ESPIRITU SANTO. Along the Pialapa River, between 2nd Camp and 1st Camp, 460m alt., 19, Oct. 1997 (Sugimura 4174).

Geophila repens (L.) I. M. Johnston

ESPIRITU SANTO. Butmas, in the lowland forest, 560m alt., 23, Oct. 1997 (Yukawa 97-2199). Ibid., in the lowland forest, 540m alt., 23, Oct. 1997 (Sugimura 4195). Along the Pialapa River, between 1st Camp and Tsureviu, 100m alt., 20, Oct. 1997 (Sugimura 4190).

Hedyotis corymbosa (L.) Lam.

EFATE. Port Vila, wayside, 10m alt., 2, Oct. 1997 (Sugimura 4018).

ESPIRITU SANTO. Luganville, wayside, 5m alt., 25, Oct. 1997 (Sugimura 4207).

Hedyotis lapeyrousii DC.

ESPIRITU SANTO. Palitaliefu, near Nokovula, Mt. Tabwemasana, 1100m alt., 7, Nov. 1996 (Hashimoto 69 and 70).

Hydnophytum sp.

ESPIRITU SANTO. Between 1st Camp and 2nd Camp, on the east ridge of Mt. Vutimele, west of Peavot, 800m alt., 26, Nov. 1996 (Hatta 1287(2)).

Ixora triflora Br., R. ex Benth.

ESPIRITU SANTO. Along the Kerepua River, 1st Camp, east of Kerepua, 183m alt., 4, Nov. 1996 (Hatta 1015 and 1016).

Morinda citrifolia L.

ESPIRITU SANTO. Peavot, 10m alt., 27, Nov. 1996 (Hatta 1278).

Mussaenda cylindrocarpa Burck

ESPIRITU SANTO. Between Tanafo and Matantas, edge of forest, 270m alt., 8, Oct. 1997 (Sugimura 4058).

Nertera granadensis (Mutis ex L. f.) Druce

EFATE. Narpow, seashore, coral reef, 3m alt., 3, Oct. 1997 (Sugimura 4039).

Ophiorrhiza laxa A. Gray

ESPIRITU SANTO. Along the Pialapa River, between 1st Camp and 2nd Camp, 500m alt., 15, Oct. 1997 (Sugimura 4110).

Pavetta opulina DC.

EFATE. Mt. Bernier, in the rain forest, 250m alt., 28, Oct. 1997 (Sugimura 4229).

ESPIRITU SANTO. Palitaliefu, near Nokovula, Mt. Tabwemasana, 1100m alt., 7, Nov. 1996 (Hashimoto 40 and 41) (Local name: Lio). Between Nokovula and 1st Camp, on the ridge, Mt. Tabwemasana range, 600m alt., 10, Nov. 1996 (Hatta 1079). Between 2nd Camp and Mt. Vutimena, on the steep slope, 620m alt., 18, Oct. 1997 (Sugimura 4151).

Psychotria aneityensis Guillaumin

EFATE. Mt. Bernier, in the rain forest, 250m alt., 28, Oct. 1997 (Sugimura 4228).

Psychotria milnei (A. Gray) K. Schumann

ESPIRITU SANTO. Along the Kerepua River, 1st Camp, east of Kerepua, 200m alt., 4, Nov. 1996 (Hatta 1020). Between Nokovula and Mt. Tabwemasana, on the north ridge of Mt. Tabwemasana, 1430m alt., 7, Nov. 1996 (Hatta 1047). Ibid., on the north ridge of Mt. Tabwemasana, 1480m alt., 7, Nov. 1996 (Hatta 1066). Between 2nd Camp and Mt. Vutimele, on the east ridge of Mt. Vutimele, 1250m alt., 23, Nov. 1996 (Hatta 1178). Between Mt. Vutimena and 2nd Camp, on the steep slope, 1250m alt., 16, Oct. 1997 (Sugimura 4142).

Psychotria necdado Guillaumin

ESPIRITU SANTO. Between 2nd Camp and Mt. Vutimena, on the steep slope, 850m alt., 18, Oct. 1997 (Sugimura 4161).

Psychotria cf. *milnei*

ESPIRITU SANTO. Between 2nd Camp and Mt. Vutimena, on the steep slope in mountain forest, 1310m alt., 16, Oct. 1997 (Yukawa 97-2075). Ibid., on the steep slope, 1270m alt., 16, Oct. 1997 (Sugimura 4129).

Psychotria trichostoma Merr. & Perry

EFATE. Mt. Bernier, in the rain forest, 220m alt., 28, Oct. 1997 (Sugimura 4227).

ESPIRITU SANTO. Butmas, in the lowland forest, 560m alt., 23, Oct. 1997 (Yukawa 97-2202).

Spermacoce assurgens Ruiz & Pavon

EFATE. Port Vila, wayside, 10m alt., 2, Oct. 1997 (Sugimura 4014).

Timonius affinis A. Gray

ESPIRITU SANTO. 2nd Camp, on the east ridge of Mt. Vutimele, 1130m alt., 25, Nov. 1996 (Hatta 1250). Between 1st Camp and 2nd Camp, on the east ridge of Mt. Vutimele, west of Peavot, 800m alt., 26, Nov. 1996 (Hatta 1288). Between Mt. Vutimena and 2nd Camp, on the steep slope, 800m alt., 16, Oct. 1997 (Sugimura 4145).

RUTACEAE

Evodia triphylla DC.

ESPIRITU SANTO. Along the Pialapa River, between Tsureviu and 1st Camp, 50m alt., 14, Oct. 1997 (Sugimura 4096).

Micromelum minutum (J. R. & G. Forst.) Wright & Arn.

EFATE. Along the Teouma River, in the scrub, 130m alt., 28, Oct. 1997 (Sugimura 4234).

ESPIRITU SANTO. Between Nokovula and 1st Camp, on the ridge, Mt. Tabwemasana range, 700m alt., 10, Nov. 1996 (Hatta 1082).

SAPINDACEAE

Allophylus timorensis (DC.) Blume

ESPIRITU SANTO. Between Nokovula and 1st Camp, on the ridge, Mt. Tabwemasana range, 300m alt., 10, Nov. 1996 (Hatta 1083).

SOLANACEAE

Solanum americanum Mill.

AMBAE. Lake Manaro Lakua, Mt. Lombenben, 1397m alt., 15, Nov. 1996 (Iwashina 3151).

Solanum nodiflorum Jacq.

ESPIRITU SANTO. Luganville, wayside, 5m alt., 25, Oct. 1997 (Sugimura 4212).

SONNERATIACEAE

Sonneratia caseolaris (L. f.) Engl.

EFATE. Along the Noai River, 10m alt., 3, Oct. 1997 (Sugimura 4052).

STERCULIACEAE

Melochia odorata L. f.

EFATE. Mt. Bernier, the edge of forest, ca. 150m alt., 28, Oct. 1997 (Yukawa 97-2215). Ibid., edge of forest, 190m alt., 28, Oct. 1997 (Sugimura 4225).

THEACEAE

Eurya japonica Thunb.

ESPIRITU SANTO. Between 2nd Camp and Mt. Vutimele, on the east ridge of Mt. Vutimele, 1510m alt., 23, Nov. 1996 (Hatta 1185). Ibid., on the east ridge of Mt. Vutimele, 1350m alt., 23, Nov. 1996 (Hatta 1228). Between 2nd Camp and Mt. Vutimena, on the steep slope, Mt. Vutimena, 1310m alt., 16, Oct. 1997 (Yukawa 97-2077). Ibid., on the steep slope, 1250m alt., 16, Oct. 1997 (Sugimura 4141).

TILIACEAE

Triumfetta procumbens Forst. f.

EFATE. Narpow, seashore, sandy plain, 1m alt., 3, Oct. 1997 (Sugimura 4028).

TRIURIDACEAE

Sciaphila aneityensis Hemsl.

ESPIRITU SANTO. Between 2nd Camp and Mt. Vutimena, on the steep slope, 600m alt., 18, Oct. 1997 (Sugimura 4149).

UMBELLIFERAE

Trachymene cussonii (Montrouz.) B. L. Burt

EFATE. Narpow, seashore, coral reef, 3m alt., 3, Oct. 1997 (Sugimura 4037).

URTICACEAE

Boehmeria platyphylla D. Don

ESPIRITU SANTO. Palitaliefu, near Nokovula, Mt. Tabwemasana, 1100m alt., 8, Nov. 1996 (Hashimoto 35 and 36) (Local name: Parapara). Between 2nd Camp and Mt. Vutimena, on the steep slope, 760m alt., 18, Oct. 1997 (Sugimura 4158).

Cypholopus decipiens Winke

ESPIRITU SANTO. Between Tanafo and Matantas, edge of forest, 270m alt., 8, Oct. 1997 (Sugimura 4060). Along the Pialapa River, between 1st Camp and 2nd Camp, 220m alt., 15, Oct. 1997 (Sugimura 4104).

Cypholopus macrocephalus Wedd.

ESPIRITU SANTO. Between Tanafo and Matantas, edge of forest, 270m alt., 8, Oct. 1997 (Sugimura 4057).

Dendrocnide latifolia (Gand.) Chew

ESPIRITU SANTO. Along the Pialapa River, 2nd Camp, 570m alt., 17, Oct. 1997 (Sugimura 4146).

Elatostema beccari H. E. Schroet.

ESPIRITU SANTO. Palitaliefu, near Nokovula, Mt. Tabwemasana, 1100m alt., 7, Nov. 1996 (Hashimoto 53 and 54). Between Nokovula and Mt. Tabwemasana, on the north ridge of Mt. Tabwemasana, 1200m alt., 7, Nov. 1996 (Hatta 1058). Along the Pialapa River, between 1st Camp and 2nd Camp, 280m alt., 15, Oct. 1997 (Sugimura 4109).

Elatostema macrophyllum Brongn.

ESPIRITU SANTO. Palitaliefu, near Nokovula, Mt. Tabwemasana, 1100m alt., 7, Nov. 1996 (Hashimoto 49 and 50) (Local name: Wuiwui). Between Nokovula and Mt. Tabwemasana, on the north ridge of Mt. Tabwemasana, 1200m alt., 7, Nov. 1996 (Hatta 1053).

Elatostema novae-britanniae Lauterb.

ESPIRITU SANTO. Along the Pialapa River, between 1st Camp and 2nd Camp, 200m alt., 15, Oct. 1997 (Iwashina 3006). Ibid., between 1st Camp and 2nd Camp, 280m alt., 15, Oct. 1997 (Sugimura 4108).

Leucosyke australis Unruh.

ESPIRITU SANTO. Between Nokovula and Mt. Tabwemasana, on the north ridge of Mt. Tabwemasana, 1700m alt., 7, Nov. 1996 (Hatta 1044). Ibid., on the north ridge of Mt. Tabwemasana, 1200m alt., 7, Nov. 1996 (Hatta 1060).

Maoutia diversifolia Blume

ESPIRITU SANTO. Between Mt. Vutimena and 2nd Camp, on the steep slope, 1200m alt., 16, Oct. 1997 (Sugimura 4144).

Nothocnide repanda Blume

ESPIRITU SANTO. Along the Pialapa River, between 2nd Camp and 1st Camp, 220m alt., 19, Oct. 1997 (Sugimura 4177).

Pipturus argenteus (Forst. f.) Wedd.

ESPIRITU SANTO. Between Tanafo and Matantas, edge of forest, 270m alt., 8, Oct. 1997 (Sugimura 4056 and 4064).

VERBENACEAE

Avicennia marina (Forst.) Vierh. var. *australasica* (Walp.) Mold.

ESPIRITU SANTO. Luganville, seashore, 1m alt., 12, Oct. 1997 (Sugimura 4082).

Clerodendrum buchanani Herb. Roxb. ex Wall.

ESPIRITU SANTO. Peavot, 10m alt., 27, Nov. 1996 (Hatta 1283).

Lippia nodiflora Michx.

ESPIRITU SANTO. Between Tsureviu and Tolomako, seashore, sandy plain, 2m alt., 21, Oct. 1997 (Sugimura 4193).

Stachytarpheta jamaicensis Vahl

EFATE. Port Vila, wayside, 10m alt., 2, Oct. 1997 (Sugimura 4009).

ESPIRITU SANTO. Luganville, wayside, 5m alt., 25, Oct. 1997 (Sugimura 4208).

Vitex negundo L.

EFATE. Along the Noai River, 10m alt., 3, Oct. 1997 (Sugimura 4054).

ZANNICHELIAEAE

Cymodocea serrulata (R. Br.) Aschers. & Magnus

EFATE. Nagar resort, seashore, 0m alt., 3, Oct. 1997 (Sugimura 4049).

ZINGIBERACEAE

Alpinia boia Seem.

ESPIRITU SANTO. Upper Kerepua Valley, western slope of Mt. Tabwemasana, ca. 800m alt., 10, Nov. 1996 (Hashimoto 68).

Alpinia nidus-vespae A. Raynal & Raynal

ESPIRITU SANTO. Between 2nd Camp and Mt. Vutimele, on the east ridge of Mt. Vutimele, 1250m alt., 23, Nov. 1996 (Hatta 1247).

Alpinia purpurata (Vieill.) K. Schum.

ESPIRITU SANTO. Between 1st Camp and 2nd Camp, on the east ridge of Mt. Vutimele, 800m alt., 21, Nov. 1996 (Hatta 1154). Along the Pialapa River, between 2nd Camp and 1st Camp, 290m alt., 19, Oct. 1997 (Sugimura 4178).

Hornstedtia lycostoma K. Schumann & Lauterb.

ESPIRITU SANTO. Between Tanafo and Matantas, edge of forest, 270m alt., 8, Oct. 1997 (Yukawa 97-2015).