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Mountain flora of Popomanaseu, Guadalcanal

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Listed below are the seed-plants collected above 1300 m on Popomanaseu. They were identified by the staff at the Royal Botanic Gardens, Kew. The absence of grasses and small herbs and the paucity of Cyperaceae were noted at the time; both facts disprove the hypothesis of random origin of this mountain flora.

Gymnospermae

Dacrydium cf. *xanthandrum* Pilger.*Podocarpus pilgeri* Foxw., from 1700 m upwards.

Monocotyledones

Orchidaceae

Acianthus sp.nov., RSS 2967, 2968.*Agrostophyllum* sp., RSS 2978, 2985.*Appendicula lutea* Schltr.*Bulbophyllum* sp., RSS 2976, 2979, 2984.*Calanthe torricellensis* Schltr.*Calanthe* sp., RSS 2977.*Ceratostylis* sp., RSS 2975.*Corybas mirabilis* Schltr.*Corybas* sp., RSS 2966.*Cryptostylis arachnites* (Bl.) Hassk.*Dendrobium cuthbertsonii* Muell.*D. minutum* Schltr.*D. mohlianum* Schltr.*Dendrobium* sp.nov., RSS 2992.*Dendrobium* sp., RSS 2973, 2991.*Glomera* sp., RSS 2961.*Glossorhyncha* sp., RSS 2964.*Liparis* sp.nov., RSS 2957, 2987.*Mediocalcar alpinum* J. J. Sm.*Pedilochilus ciliolatum* Schltr.*Phreatia* sp.nov., RSS 2962.*Thelasis* sp.nov., RSS 2958, 2983.*Alpinia subverticillata* Val. var., RSS 143, 1000 to 1500 m.*Alpinia* sp., RSS 106, 1700 m.

- Alpinia* sp.nov., RSS 107, 1700 m.
Clinostigma sp.nov., RSS 108, 1500 to 1800 m.
Carex cf. *dietrichiae* Boeck., 1700 m.
Freycinetia cf. *parkii* Martelli, RSS 123, 1800 m.
F. pr. *impavida* (Hombr.) Stone, RSS 141, 1300 to 1600 m.
Gahnia cf. *javanica* Z. et M., RSS 96, summit ridge 2300 m.
G. cf. *vitiensis* Rendle, RSS 113.
Heterospatha minor Burret, 1600 to 1800 m.
Nastus obtusus Holtt., common at 1200 to 1400 m.
Nastus sp., RSS 158, common at 1300 to 2100 m.
Pandanus cf. *krauelianus* K. Schum., RSS 116, 2980, common on ridges 1000 to 1800 m.

Dicotyledones

- Alstonia vitiensis* Seem. v. *neobudica* Monachino, at 1400 m on a landslide.
Aporosa papuana Pax. et Hoffm., 1400 m, common.
Ardisia sp.(subgen. *Pimelandra*) RSS 112, 1400 to 2000 m.
Ascarina maheshwari Swamy, 1200 to 2200 m, common.
Astronidium sp., RSS 128, 1300 m, frequent.
Belliolum haplopus (B. L. Burt) A.C. Sm., common up to 2200 m.
Boerlagiodendron sp., RSS 160, 1400 m.
Crossostylis cominsii Hemsl., 1400 m.
Cyrtandra cf. *filibracteata* B.L. Burt, 1300 m.
Cyrtandra sp., RSS 99 and 119, 1400 to 2200 m.
Dendromyza spp., RSS 95, summit ridge 2300 m.
Elaeocarpus cassinoides A. Gray, common, 1450 m.
Elastostema reticulatum Wedd., common in gullies.
Eurya hellwigii Laut.
Fagraea ceilanica Thunb., common on the summit ridge 2000 to 2300 m, but often epiphytic from 1200 m upwards.
Ficus indigofera Rech., up to 1400 m.
F. macrothyrsa v. *lancifolia* Corner, up to 1700 m.
F. mollior Benth., up to 1400 m.
Geniostoma rupestre Forst., 1200 to 1500 m, frequent.
Haloragis secunda Ridl.
Hydrocotyle ? *javanica* Thunb., in gullies, common.
Macaranga lanceolata Pax. et Hoffm., common at 1500 to 1900 m.
Melicope grandifolia B.L. Burt, frequent 1300 to 1500 m.
Metrosideros collina (Forst.) A. Gray, common on summit ridge.
M. salomonensis C. T. White vel aff., common on summit ridge.
Micromelum minutum (Forst.) W. et A., 1300 m.
Ophiorrhiza sp., RSS 102, common in gullies.
Pilea sp., RSS. 100 in gullies, 1700 m.
Plerandra micrantha Philipson, common 1000 to 2200 m, apparently not on the summit ridge.

- Polyosma* cf. *ilicifolia* l., RSS 124, 1300 to 1800 m.
- Psychotria* sp., RSS 115, common small tree 1700 to 1800 m.
- Psychotria* sp. RSS 136, 1200 to 1600 m.
- Rapanea* cf. *myricifolia* (A. Gray) Mez, common on the summit ridge.
- Rhodamnia* sp., RSS 118, common on the summit ridge.
- Rhododendron* sp., RSS 120 and 9009, 2000 to 2300 m, mostly epiphytic.
- Saurauia schumanniana* Diels, 1300 m.
- Schefflera babalia* Philipson, 1400 m.
- Schefflera* sp. (*Cephaloschefflera*), common on the summit ridge, also epiphytic from 1100 m.
- Schizomeria* ? *ilicina* (Ridl.) Schltr., common from 1100 m to the summit ridge.
- Sogerianthe* sp., RSS 137, 1300 m.
- Spiraeanthemum graeffei* Seem., frequent from 1700 m to the summit ridge.
- Stegathera* sp., RSS 151, 1400 m.
- Syzygium myriadenum* Merr. et Perr., 1300 m.
- Syzygium* sp., RSS 117, 2100 m, frequent.
- Syzygium* sp., RSS 125, 1200 to 1450 m., frequent.
- Tapeinosperma* sp., RSS 130, 1400 m.
- Timonius* ? *bougainvillensis* Merr. et Perry, RSS 150, 1400 m.
- Weinmannia* sp., RSS 89, common on summit ridge.