

## MYOPORACEAE (S. Bloembergen, Bogor)

### 1. MYOPORUM

BANKS & SOL. *ex* FORST. Prod. (1786) 44; R.BR. Prod. (1910) 515; BTH. Fl. Austr. 5 (1870) 2; F.v.M. Descr. & Ill. Myop. Pl. Austr. (1886) t. 56-72; BAIL. Queensl. Fl. (1901) 1154.

Shrubs, trees, or prostrate plants. *Leaves* spread, rarely opposite, entire or toothed, exstipulate. *Flowers* ♀, zygomorphic, rarely almost actinomorphic, small, axillary, solitary or usually in clusters of 2, 3 or more. Calyx and corolla 5-lobed. Stamens 4, rarely 5, in pairs of unequal length, inserted on the corolla-tube and alternate with the lobes. Anther-cells opening lengthwise, confluent at the apex, usually forming a single reniform cell after dehiscence. Ovary superior, not lobed, 2-10-celled with 1 ovule in each cell, rarely 2-celled with 2 ovules per cell. Style simple entire or obscurely notched at the apex. *Drupe* 2-10-celled.

*Distr.* *Ca* 35 spp., largely in Australia, 1 species in E. Asia, further in the Pacific, Rodriguez Isl. and Mauritius.

*Ecol.* Most representatives are heliophilous and thermophilous; many are drought plants.

*Notes.* The *Myoporaceae* are centering in Australia; their affinity is generally accepted in the *Tubiflorae* with *Plantaginaceae*, *Scrophulariaceae*, etc.

1. *Myoporum papuanum* KRAENZL. in FEDDE, Rep. 22 (1926) 338; *ibid.* Beih. 54 (1929) 14; BLOEMB. Blumea 3 (1938) 180.—*M. tenuifolium* (non FORSTER 1786) VAL. Bull. Dép. Agric. Ind. Néerl. 10 (1907) 61.—*M. acuminatum* HEMSL. Rep. Chall. Exp. Bot. 1, 3 (1884) 175; WARB. Rumph. Gedenkb. (1902) 75, *non al.*—Fig. 1.

Treelet up to 3 m. *Leaves* lanceolate, acute to subacuminate, attenuate into the 4-10 mm long petiole, glabrous, entire, penninerved, 3½-10 by ½-1½ cm. *Flowers* white, 2-6 axillary; pedicels 5-11 mm. Calyx nearly regular, glabrous (4-)-5-merous, cup-shaped tube ¼-½ mm high, 1½-1¾ mm wide, segments narrow-triangular 1-1¾ mm long, often strongly acuminate towards the acute apex. Corolla nearly regular (4-)-5(-6)-merous, entirely glabrous, tube campanulate-infundibuliform 3-4¼ mm high, 3-4 mm wide; lobes spreading rounded at the apex, 1¾-2½ mm long, 1½-2 mm broad. Stamens (3-)-4(-5), glabrous, 2 longer ones 3-3¼ mm long, shorter ones 2¼-3¼ mm long, inserted resp. nearly in the middle and somewhat below the middle of the tube. Anthers ½-1 mm long. Ovary ovoid, conical towards the apex, 3-4-celled, 1½-3 mm long, 1-1½ mm diam. Style terete 2-3½ mm long; stigma short flat. *Drupe* ovoid, red-brown or purple, 3-4-celled, glabrous, up to 4½ mm long, 4 mm diam., crowned by the persistent style or style rest.

*Distr.* ?Micronesia, ?Queensland, in *Malaysia*: New Guinea and S. Moluccas (Tanimber Islands = Timor laot).

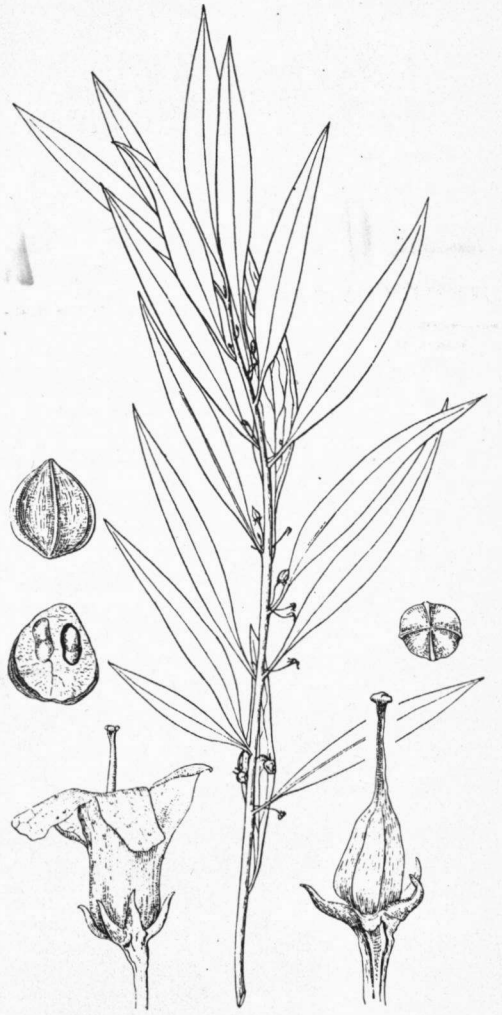


Fig. 1. *Myoporum papuanum* KRAENZL. Flowering twig,  $\times \frac{1}{2}$ , flowers,  $\times 5$ , drupes,  $\times 2$ .

Ecol. Rare, near the coast, in savannahs, grass-fields, and open forests.

Notes. This species may prove to be a geographical variation of some polymorphic Australian population, presumably of *M. acuminatum* BTH.. BRASS 8848, found near Jotefa (Jautefa) Bay,

differs by recurved fruiting pedicels, a bearded corolla throat, and purple drupes. It occurred abundant on limestone shores. It is scarcely separable from some Queensland specimens (CLEMENS *a.* 1944, VICKERY 15.11.36, and HUBBARD 6649).