

GEOGRAPHIC LIST

BURMA

Begonia acetosella Craib var. *acetosella*
Begonia acetosella var. *hirtifolia* Irmsch.
Begonia adenopoda Lem.
Begonia adscendens C.B.Clarke
Begonia alicida C.B.Clarke
Begonia annulata K.Koch
Begonia brandisiana Kurz
Begonia burkillii Dunn
Begonia burmensis L.B.Sm. & Wassh.
Begonia cathcartii Hook.f.
Begonia crenata Dryand.
Begonia delicatula Parish ex C.B.Clarke
Begonia demissa Craib
Begonia discrepans Irmsch.
Begonia dux C.B.Clarke
Begonia fibrosa C.B.Clarke
Begonia flaccidissima Kurz
Begonia flaviflora H.Hara var. *flaviflora*
Begonia flaviflora var. *vivida* (Irmsch.) Golding & Kareg.
Begonia forrestii Irmsch.
Begonia gigantea Wall. ex C.B.Clarke
Begonia goniotis C.B.Clarke
Begonia griffithiana (A.DC.) Warb.
Begonia handelii Irmsch. var. *handelii*
Begonia handelii var. *prostrata* (Irmsch.) Tebbitt
Begonia hatacoa Buch.-Ham. ex D.Don
Begonia hemsleyana Hook.f.
Begonia hymenophylloides Kingdon-Ward ex L.B.Sm. & Wassh.
Begonia integrifolia Dalzell
Begonia iridescens Dunn
Begonia josephii A.DC.
Begonia labordei H.Lév.
Begonia longifolia Blume
Begonia martabanica A.DC.
Begonia megaptera A.DC.
Begonia modestiflora Kurz
Begonia nepalensis (A.DC.) Warb.
Begonia nivea Parish ex Kurz
Begonia obovoidea Craib
Begonia oreodoxa Chun & F.Chun ex C.Y.Wu & T.C.Ku
Begonia paleacea Kurz
Begonia palmata D.Don var. *palmata*
Begonia palmata var. *bowringiana* (Benth.) Golding & Kareg.
Begonia parishii C.B.Clarke
Begonia parvuliflora A.DC. var. *parvuliflora*
Begonia parvuliflora var. *pubescens* A.DC.
Begonia picta Sm.
Begonia procrudifolia Wall. ex A.DC.
Begonia prolifera A.DC.

Begonia rex Putz.
Begonia rockii Irmsch.
Begonia roxburghii (Miq.) A.DC.
Begonia sandalifolia C.B.Clarke
Begonia sikkimensis A.DC.
Begonia silletensis subsp. *silletensis*
Begonia sinuata Wall. ex Meisn. var. *sinuata*
Begonia sinuata var. *helferi* Irmsch.
Begonia subperfoliata Parish ex Kurz
Begonia surculigera Kurz
Begonia thomsonii A.DC.
Begonia tricuspidata C.B.Clarke
Begonia triradiata C.B.Clarke
Begonia villifolia Irmsch.

Excluded names:

Begonia andamensis Parish ex C.B.Clarke
Endemic to the Andaman Islands; this record from Kress et al. (2003) may refer to the similar *B. sinuata*.
Begonia burkei hort.
Begonia herveyana King
Listed by Kress et al. (2003), but Kiew 2005 regards this species as endemic to Peninsular Malaysia.
Begonia lacei C.Y.Wu ined.
Begonia rhoephila Ridl. (see notes under that species)
Begonia moulemeinensis C.B.Clarke (see notes under *Begonia parvuliflora* var. *pubescens* A.DC)

Notes: A flora of 57 species, with § *Platycentrum* containing the most (21 spp.). The remainder are split between § *Diploclinium* (9 spp.), § *Parvibegonia* (8 spp.), § *Sphenanthera* (7 spp.), § *Reichenheimia* (3 spp.), § *Alicida* (2 spp.), § *Lauchea* (2 spp.), § *Monopteron* (2 spp) and § *Apterobegonia* (1 sp.). Two species are unplaced to section.

THAILAND

Begonia aceroides Irmsch.
Begonia acetosella Craib var. *acetosella*
Begonia alicida C.B.Clarke
Begonia brandisiana Kurz
Begonia cardiophora Irmsch.
Begonia cathcartii Hook.f.
Begonia cf. *furfuracea* Hook.f.
Begonia demissa Craib
Begonia discreta Craib
Begonia elisabethae Kiew
Begonia festiva Craib
Begonia fibrosa C.B.Clarke
Begonia garrettii Craib
Begonia grantiana Craib

Begonia grata Geddes ex Craib
Begonia handelii Irmsch. var. *handellii*
Begonia handelii var. *prostrata* (Irmsch.) Tebbitt
Begonia hatacoa Buch.-Ham. ex D.Don
Begonia incerta Craib
Begonia incondita Craib
Begonia integrifolia Dalzell
Begonia intermixta Irmsch.
Begonia kerrii Craib
Begonia longifolia Blume
Begonia martabanica A.DC.
Begonia modestiflora Kurz
Begonia murina Craib
Begonia notata Craib
Begonia obovoidea Craib
Begonia palmata D.Don
Begonia prolifera A.DC.
Begonia prolifera Craib
Begonia pumila Craib
Begonia pumilio Irmsch.
Begonia putii Craib
Begonia rabilii Craib
Begonia rimarum Craib
Begonia saxifragifolia Craib
Begonia siamensis Gagnep.
Begonia sibthorpioides var. *grandifolia* Craib
Begonia silletensis (A.DC) C.B.Clarke subsp. *silletensis*
Begonia sinuata Wall. ex Meisn. var. *sinuata*
Begonia sinuata var. *longialata* Irmsch.
Begonia smithiae Geddes
Begonia socia Craib
Begonia soluta Craib
Begonia subperfoliata Parish ex Kurz
Begonia subviridis Craib
Begonia tricuspida C.B.Clarke
Begonia vagans Craib
Begonia variabilis Ridl.
Begonia wrayi Hemsl.
Begonia yunnanensis H.Lév.
Begonia yunnanensis var. *sootepensis* (Craib) Craib

Excluded names:

Begonia finlaysonianana Wall. nom. nud.
 Possible a synonym of *B. prolifera* A.DC, but further investigation is needed (Golding, 1970).

Notes: A flora of 51 species, with § *Diploclinium* having the most species (15). The remainder are split between § *Parvibegonia* (10 spp.), § *Platycentrum* (6 spp.), § *Reichenheimia* (5 spp.), § *Sphenanthera* (5 sp.), § *Alicida* (2 spp.), § *Heeringia* (1 sp.), § *Monophyllon* (1 sp.), § *Petermannia* (1 sp.) and § *Tetraphila* (1 sp.; see notes under *B. furfuracea* Hook.f.). There are 4 species not placed to section.

LAOS

Begonia acetosella Craib var. *acetosella*
Begonia adscendens C.B.Clarke
Begonia brandisiana Kurz
Begonia cladotricha M.Hughes
Begonia cf. *furfuracea* Hook.f.
Begonia handelii Irmsch. var. *handellii*
Begonia handelii var. *prostrata* (Irmsch.) Tebbitt
Begonia hymenophylla Gagnep.
Begonia integrifolia Dalzell
Begonia martabanica A.DC.
Begonia modestiflora Kurz
Begonia palmata D.Don
Begonia procrudifolia Wall. ex A.DC.
Begonia siamensis Gagnep.

Notes: A flora of 13 species, each known from very few specimens. It is likely that Laos has a far richer *Begonia* flora than this. The species are distributed between § *Diploclinium* (3 spp.), § *Parvibegonia* (3 spp.), § *Platycentrum* (2 spp.), § *Reichenheimia* (2 spp.), § *Sphenanthera* (2 spp.) and § *Tetraphila* (1 sp.; see notes under *B. furfuracea* Hook.f.).

VIETNAM

Begonia acetosella Craib. var. *acetosella*
Begonia alveolata T.T.Yu
Begonia anceps Irmsch.
Begonia annulata K.Koch
Begonia balansana Gagnep.
Begonia bataiensis Kiew
Begonia baviensis Gagnep.
Begonia boisiana Gagnep.
Begonia bonii Gagnep.
Begonia brevipedunculata Y.M.Shui
Begonia cathayana Hemsl.
Begonia cavaleriei H.Lév.
Begonia cucphuongensis H.Q.Nguyen & Tebbitt
Begonia eberhardtii Gagnep.
Begonia handelii Irmsch. var. *handellii*
Begonia handelii var. *prostrata* (Irmsch.) Tebbitt
Begonia harmandii Gagnep.
Begonia hatacoa Buch.-Ham. ex D.Don
Begonia integrifolia Dalzell
Begonia kui C.-I Peng
Begonia labordei H.Lév.
Begonia langbianensis Baker f.
Begonia lecomtei Gagnep.
Begonia longicarpa K.-Y Guan & D.K. Tian
Begonia longifolia Blume
Begonia macrotoma Irmsch.
Begonia palmata D.Don var. *palmata*
Begonia palmata var. *bowringiana* (Benth.) Golding & Kareg.

Begonia pedatifida H.Lév.
Begonia phuthoensis H.Q.Nguyen
Begonia pierrei Gagnep.
Begonia porteri var. *macrorhiza* Gagnep.
Begonia sandalifolia C.B.Clarke
Begonia sinuata Wall. ex Meisn.
Begonia sizemoreae Kiew
Begonia tonkinensis Gagnep.
Begonia versicolor Irmsch.
Begonia villifolia Irmsch.

Excluded names:

Begonia chapaensis Irmsch. nom. nud.
Begonia doliifera Irmsch. nom. nud.
Begonia semicava Irmsch. nom. nud.
Begonia specicola Irmsch. nom. nud.

These names are cited by Ho (1999), based on unpublished annotations on specimens by Irmscher.

Notes: A flora of 36 species, with the largest section being § *Platycentrum* (13 spp.). The remaining species are distributed between § *Diploclinium* (4 spp.), § *Sphenanthera* (4 spp.), § *Coelocentrum* (3 spp.), § *Reichenheimia* (3 spp.), § *Leprosae* (2 spp.), § *Parvibegonia* (2 spp.) and § *Petermannia* (1 sp.). There are 4 species unplaced to section.

CAMBODIA

Begonia geoffrayi Gagnep.
Begonia hymenophylla Gagnep.
Begonia sinuata Wall. ex Meisn.

Excluded names:

Begonia rupicola Miq. (see notes under that species)

Notes: Although this list is undoubtedly an underestimate, it is unlikely there is a large number of species waiting to be recorded in Cambodia, as the majority of the country lies below 100m altitude. The three species represent two sections, namely § *Parvibegonia* (2 spp.) and § *Reichenheimia* (1 sp.).

PENINSULAR MALAYSIA

Begonia abdullahpieei Kiew
Begonia aequilateralis Irmsch.
Begonia alpina L.B.Sm. & Wassh.
Begonia barbellata Ridl.
Begonia carnosula Ridl.
Begonia corneri Kiew
Begonia decora Stapf
Begonia eiromischa Ridl.
Begonia elisabethae Kiew
Begonia forbesii King

Begonia foxworthyi Burkill ex Ridl.
Begonia fraseri Kiew
Begonia herveyana King var. *herveyana*
Begonia herveyana var. *barnesii* Irmsch.
Begonia holttumii Irmsch.
Begonia ignorata Irmsch.
Begonia integrifolia Dalzell
Begonia isopteroidea King
Begonia jayaensis Kiew
Begonia jiewhoei Kiew
Begonia kingiana Irmsch.
Begonia klossii Ridl.
Begonia koksunii Kiew
Begonia lengguanii Kiew
Begonia longicaulis Ridl.
Begonia longifolia Blume
Begonia lowiana King
Begonia martabanica var. *pseudoclivalis* Irmsch.
Begonia maxwelliana King
Begonia nurii Irmsch.
Begonia oreophila Kiew
Begonia paupercula King
Begonia pavonina Ridl.
Begonia perakensis King var. *perakensis*
Begonia perakensis var. *conjugens* Irmsch.
Begonia phoeniogramma Ridl.
Begonia praetermissa Kiew
Begonia rajah Ridl.
Begonia reginula Kiew
Begonia rheifolia Irmsch.
Begonia rhoephila Ridl.
Begonia rhyacophila Kiew
Begonia scortechinii King
Begonia sibthorpioides Ridl.
Begonia sinuata Wall. ex Meisn. var. *sinuata*
Begonia sinuata var. *pantiensis* Kiew
Begonia tampinica Burkill ex Irmsch.
Begonia thaipingensis King
Begonia tigrina Kiew
Begonia vallicola Kiew
Begonia variabilis Ridl.
Begonia venusta King
Begonia wrayi Hemsl.
Begonia wyepingiana Kiew
Begonia yappii Ridl.

Notes: A flora of 52 species, the largest section being § *Platycentrum* (23 spp.). The remaining species are distributed between § *Reichenheimia* (10 spp.), § *Parvibegonia* (8 spp.), § *Petermannia* (5 spp.), § *Diploclinium* (2 spp.), § *Ridleyella* (2 spp.), § *Heeringia* (1 sp.) and § *Sphenanthera* (1 sp.)

SUMATRA

Begonia aberrans Irmsch.
Begonia altissima Ridl.
Begonia areolata Miq.
Begonia atricha (Miq.) A.DC.
Begonia axillaris Ridl.
Begonia barbellata Ridl.
Begonia beccariana Ridl.
Begonia bifolia Ridl.
Begonia bracteata Jack
Begonia caespitosa Jack
Begonia coriacea Hassk.
Begonia divaricata Irmsch. forma *divaricata*
Begonia divaricata forma *minor* Irmsch.
Begonia fasciculata Jack
Begonia flexula Ridl.
Begonia goeensis N.E.Br.
Begonia hasskarliana (Miq.) A.DC.
Begonia holttumii Irmsch.
Begonia horsfieldii Miq. ex A.DC.
Begonia inversa Irmsch.
Begonia inversa forma *nana* Irmsch.
Begonia ionophylla Irmsch.
Begonia isoptera Dryand. ex Sm.
Begonia laevis Ridl.
Begonia lepida Blume
Begonia lepidella Ridl.
Begonia longifolia Blume
Begonia longipedunculata Golding & Kareg.
Begonia mollis A.DC.
Begonia muricata Blume
Begonia orbiculata Jack
Begonia padangensis Irmsch.
Begonia pilosa Jack
Begonia racemosa Jack
Begonia robusta Blume var. *robusta*
Begonia robusta var. *hirsutior* (Miq.) Golding & Kareg.
Begonia sarcocarpa Ridl.
Begonia scottii Tebbitt
Begonia sinuata Wall. ex Meisn.
Begonia stictopoda (Miq.) A.DC.
Begonia sudjanae C.-A.Jansson
Begonia sychmantha L.B.Sm. & Wassh.
Begonia tenericaulis Ridl.
Begonia teysmanniana (Miq.) Tebbitt
Begonia trichopoda Miq.
Begonia trigonocarpa Ridl.
Begonia turbinata Ridl.
Begonia vuijckii Koord.

Excluded names:

Begonia coronata Irmsch. ined.
Begonia forbesii King (see notes under that species)
Begonia gracilicyma Irmsch. ined.
Begonia korthalsiana Miq. ined.
Begonia meysselliana Linden
 Locality not certain, known only from the protologue.

Begonia stictopoda var. *elongata* Miq. ined.
Begonia villipes Miq. ined.
Begonia maxwelliana King (see notes under that species)

Notes: A flora of 45 species with § *Petermannia* representing the most (15 spp). The remainder are distributed between § *Reichenheimia* (9 spp.), § *Platycentrum* (6 spp.), § *Sphenanthera* (6 spp.), § *Diploclinium* (3 spp.), § *Bracteibegonia* (3 spp.) and § *Parvibegonia* (1 sp.). Two species are unplaced to section. The § *Petermannia* element to the flora is likely to contain a considerable number of undescribed species.

JAVA

Begonia areolata Miq.
Begonia atricha (Miq.) A.DC.
Begonia bracteata Jack
Begonia coriacea Hassk.
Begonia erosa Blume
Begonia isoptera Dryand. ex Sm.
Begonia lepida Blume
Begonia lobbii A.DC.
Begonia longifolia Blume
Begonia mollis A.DC.
Begonia multangula Blume var. *multangula*
Begonia multangula var. *glabrata* Miq.
Begonia muricata Blume
Begonia robusta Blume var. *robusta*
Begonia rupicola Miq.
Begonia tenuifolia Dryand.
Begonia vuijckii Koord.
Begonia zollingeriana A.DC.

Excluded names:

Begonia glanduloso-ciliata Irmsch. ined.
Begonia groenewegensis hort. ex K.Koch & G.A.Fintelmann
 Of questionable provenance
Begonia hochbaumii hort. ex E.Otto
 Of questionable provenance
Begonia ignorata Irmsch. (see notes under that species)
Begonia madurensis Irmsch. ined.
Begonia pachyrhachis L.B.Sm. & Wassh. (see notes under that species)
Begonia resecta Miq. ined.
Begonia strigulosa A.DC.
 Considered by de Candolle (1864) and Koorders (1912) to be of uncertain provenance.
Begonia palmata D.Don
 Koorders (1912) cites a specimen from east Java, but it is unlikely that this species is native.
Begonia oligocarpa
 Considered by de Candolle (1864) and Koorders (1912) to be of uncertain provenance.

Notes: A relatively small flora of 17 species, 11 of which also occur on Sumatra. This number is unlikely to increase much further. § *Parvibegonia* and § *Reichenheimia* and each contain 4 species, with the remainder being in § *Petermannia* (3 spp.), § *Sphenanthera* (3 spp.), § *Bracteibegonia* (2 spp.) and § *Platycentrum* (1 sp.).

LESSER SUNDA ISLANDS

Begonia brachybotrys Merr. & L.M.Perry
Begonia isoptera Dryand. ex Sm.
Begonia longifolia Blume
Begonia multangula Blume
Begonia muricata Blume
Begonia pseudolateralis Warb.
Begonia robusta Blume
Begonia tenuifolia Dryand.
Begonia timorensis (Miq.) Golding & Kareg.

Excluded names:

Begonia sumbaensis Irmsch. ined.

Notes: A flora of 9 species. With the exception of *B. timorensis* (though see notes under that species), all of the species listed here are quite widespread and mostly represent an attenuated version of the Javanese flora. See also notes under *B. rieckii* warb. The sections represented are § *Petermannia* (4 spp.), § *Sphenanthera* (3 spp.), § *Reichenheimia* (1 sp.) and § *Parvibegonia* (1 sp.).

BORNEO

Begonia adenodes Irmsch.
Begonia adenostegia Stapf
Begonia amphioxus Sands
Begonia angustilimba Merr.
Begonia anthonyi Kiew
Begonia articulata Irmsch.
Begonia artior Irmsch.
Begonia awongii Sands
Begonia bahakensis Sands
Begonia baramensis Merr.
Begonia baturongensis Kiew
Begonia beccarii Warb.
Begonia berhamanii Kiew
Begonia beryllae Ridl.
Begonia borneensis A.DC.
Begonia bruneiana Sands subsp. *bruneiana*
Begonia bruneiana subsp. *angustifolia* Sands
Begonia bruneiana subsp. *labiensis* Sands
Begonia bruneiana subsp. *retakensis* Sands
Begonia burbidgei Stapf
Begonia calcarea Ridl.

Begonia cauliflora Sands
Begonia chlorandra Sands
Begonia chlorocarpa Irmsch. ex Sands
Begonia chlorosticta Sands
Begonia chongii Sands
Begonia cincinnifera Irmsch.
Begonia cognata Irmsch.
Begonia congesta Ridl.
Begonia conipila Irmsch. ex Kiew
Begonia consanguinea Merr.
Begonia cyanescens Sands
Begonia densiretis Irmsch.
Begonia diwolii Kiew
Begonia elatostemma Ridl.
Begonia erythrogyna Sands
Begonia eutricha Sands
Begonia fuscisetosa Sands
Begonia gibbsiae Irmsch. ex Sands
Begonia gomantongensis Kiew
Begonia gueritziana Gibbs
Begonia havilandii Ridl.
Begonia heliostrophe Kiew
Begonia hexaptera Sands
Begonia hullettii Ridl.
Begonia humericola Sands
Begonia imbricata Sands
Begonia inostegia Stapf
Begonia kachak K.G.Pearce
Begonia kasutensis K.G.Pearce
Begonia keana Kiew
Begonia keithii Kiew
Begonia kinabaluensis Sands
Begonia laccophora Sands
Begonia lailana Kiew & Geri
Begonia lambii Kiew
Begonia layang-layang Kiew
Begonia lazat Kiew & Reza Azmi
Begonia leucochlora Sands
Begonia leucotricha Sands
Begonia longiseta Irmsch.
Begonia lunatistyla Irmsch.
Begonia madaiensis Kiew
Begonia malachosticta Sands
Begonia mamutensis Sands
Begonia melikopia Kiew
Begonia microptera Hook.
Begonia minutiflora Sands
Begonia murudensis Merr.
Begonia niahensis K.G.Pearce
Begonia oblongifolia Stapf
Begonia papyraptera Sands
Begonia pendula Ridl.
Begonia pleioclada Irmsch.
Begonia postarii Kiew
Begonia promethea Ridl.
Begonia propinqua Ridl.

Begonia pryeriana Ridl.
Begonia pubescens Ridl.
Begonia punbatuensis Kiew
Begonia pyrrha Ridl.
Begonia rubida Ridl.
Begonia sabahensis Kiew & J.H.Tan
Begonia sarawakensis Ridl.
Begonia sicutensis Sands
Begonia speluncae Ridl.
Begonia stenogyna Sands
Begonia stichochaete K.G.Pearce
Begonia subisensis K.G.Pearce
Begonia subnummularifolia Merr.
Begonia sympodialis Irmsch.
Begonia tambelanensis (Irmsch.) Kiew
Begonia tawaensis Merr.
Begonia temburongensis Sands
Begonia urunensis Kiew
Begonia vaccinioides Sands
Begonia walteriana Irmsch.
Begonia xiphophylla Irmsch.

Excluded names:

Begonia aphanantha Miq. ined.
Begonia cuspidata Miq. ined.
Begonia decumbens Irmsch. ined.
Begonia densinervis Irmsch. ined.
Begonia diadema Linden ex Rodigas

A horticultural name validated by Rodigas, stated to come from Borneo but of doubtful provenance. May even be a hybrid.

Begonia latiovata Irmsch. ined.
Begonia mollis A.DC.

A record from de Candolle (1864), but stated to be “ex. syn. dub. Miq.”

Begonia transparentis Miq. ined.

Notes: A flora of 95 species, the vast majority of which are in § *Petermannia* (84 spp.). The remainder are either in § *Diploclinium* (5 spp.), § *Platycentrum* (1 sp, but see notes under *B. adenostegia*), § *Reichenheimia* (3 spp.), § *Spenanthera* (1 spp.) or unplaced to section (1 sp.). Only five of the species listed are recorded from Kalimantan, which is certainly a vast underestimate.

PHILIPPINES

Begonia acuminatissima Merr.
Begonia aequata A.Gray
Begonia affinis Merr.
Begonia agusanensis Merr.
Begonia alba Merr.
Begonia alvarezii Merr.
Begonia angilogensis Merr.
Begonia anisoptera Merr.

Begonia apayaoensis Merr.
Begonia biliranensis Merr.
Begonia binuangensis Merr.
Begonia bolsteri Merr.
Begonia brevipes Merr.
Begonia calcicola Merr.
Begonia casiguranensis Quisumb. & Merr.
Begonia castilloi Merr.
Begonia caudata Merr.
Begonia chloroneura P.Wilkie & Sands
Begonia ciliifera Merr.
Begonia collisiae Merr.
Begonia colorata Warb.
Begonia contracta Warb.
Begonia copelandii Merr.
Begonia coronensis Merr.
Begonia crispipila Elmer
Begonia cumingiana (Klotzsch) A.DC.
Begonia cumingii A.Gray
Begonia dolichotricha Merr.
Begonia edanoi Merr.
Begonia elatostematoides Merr.
Begonia elmeri Merr.
Begonia esculenta Merr.
Begonia everettii Merr.
Begonia fasciculiflora Merr.
Begonia fenicis Merr.
Begonia gitingensis Elmer
Begonia gracilipes Merr.
Begonia halconensis Merr.
Begonia hernandioides Merr.
Begonia incisa A.DC.
Begonia isabelensis Quisumb. & Merr.
Begonia jagorii Warb.
Begonia klemmei Merr.
Begonia lacera Merr.
Begonia lagunensis Elmer
Begonia lancifolia Merr.
Begonia lancilimba Merr.
Begonia latistipula Merr.
Begonia leptantha C.B.Rob.
Begonia leucosticta Warb.
Begonia littleri Merr.
Begonia loheri Merr.
Begonia longibractea Merr.
Begonia longinoda Merr.
Begonia longiscapa Warb.
Begonia longistipula Merr.
Begonia longovillosa A.DC.
Begonia luzonensis Warb.
Begonia macgregorii Merr.
Begonia malindangensis Merr.
Begonia manillensis A.DC.
Begonia mearnsii Merr.
Begonia megacarpa Merr.
Begonia megalantha Merr.

Begonia merrittii Merr.
Begonia mindanaensis Warb.
Begonia mindorensis Merr.
Begonia negrosensis Elmer
Begonia neopurpurea L.B.Sm. & Wassh. nom nud
Begonia nigritarum (Kamel) Steud.
Begonia oblongata Merr.
Begonia obtusifolia Merr.
Begonia oligantha Merr.
Begonia oxysperma A.DC.
Begonia palawanensis Merr.
Begonia panayensis Merr.
Begonia parva Merr.
Begonia parvilimba Merr.
Begonia perryae L.B.Sm. & Wassh.
Begonia pinamalayensis Merr.
Begonia platyphylla Merr.
Begonia polilloensis Tebbitt
Begonia pseudolateralis Warb.
Begonia quercifolia A.DC.
Begonia ramosii Merr.
Begonia rizalensis Merr.
Begonia rubrifolia Merr.
Begonia rufipila Merr.
Begonia samarensis Merr.
Begonia sarmentosa L.B.Sm. & Wassh.
Begonia serpens Merr.
Begonia sorsogonensis (Merr.) Elmer nom. nud.
Begonia suborbiculata Merr.
Begonia subprostrata Merr.
Begonia subtruncata Merr.
Begonia tayabensis Merr.
Begonia trichocheila Warb.
Begonia urdanetensis Elmer
Begonia vanoverberghii Merr.
Begonia wadei Merr. & Quisumb.
Begonia weberi Merr.
Begonia wenzelii Merr.
Begonia woodii Merr.
Begonia zamboangensis Merr.

Excluded names:

Begonia camarinensis Merr. ined.
Begonia edulis Merr. ined.
Begonia lancibracteata Merr. ined.
Begonia longicapsularis A.DC. ined.

Notes: A flora of 104 species, all except three of which are placed in 2 sections, § *Petermannia* (63 spp.) and § *Diploclinium* (38 spp.). Of the remaining three, two are unplaced and one is in the endemic § *Baryandra*. In the Philippines, § *Petermannia* encompasses relatively less morphological variation than on the neighbouring islands of Borneo and Sulawesi. The species in § *Diploclinium* are also more morphologically similar to each other than to others on the Asian mainland; the fact that this section is scarcely

represented on the other nearby Malesian islands possibly indicates a largely endemic radiation.

SULAWESI

Begonia aptera Blume
Begonia bonthainensis Hemsl.
Begonia capituliformis Irmsch.
Begonia carnosae (Teijsm. & Binn.) Teijsm. & Binn.
Begonia celebica Irmsch.
Begonia chiasmogyna M.Hughes
Begonia cristata Warb. ex L.B.Sm. & Wassh.
Begonia cuneatifolia Irmsch.
Begonia flacca Irmsch.
Begonia gemella Warb. ex L.B.Sm. & Wassh.
Begonia grandipetala Irmsch.
Begonia heteroclinis Miq. ex Koord.
Begonia hispidissima Zipp. ex Koord.
Begonia humilicaulis Irmsch.
Begonia imperfecta Irmsch.
Begonia insularum Irmsch.
Begonia koordersii Warb. ex L.B.Sm. & Wassh.
Begonia longifolia Blume
Begonia macintyreana M.Hughes
Begonia masarangensis Irmsch.
Begonia mendumae M.Hughes
Begonia pseudolateralis Warb.
Begonia rachmatii Tebbitt
Begonia renifolia Irmsch.
Begonia riekei Warb.
Begonia sarasinorum Irmsch.
Begonia siccacaudata J.Door.
Begonia sphenocarpa Irmsch.
Begonia stevei M.Hughes
Begonia strachwitzii Warb. ex Irmsch.
Begonia strictipetiolaris Irmsch.

Excluded names:

Begonia cincinnosa Irmsch. ined.
Begonia isoptera Dryand. ex Sm. (see notes under that species)
Begonia lamii Irmsch. ined.
Begonia tenuifolia Dryand.

A few specimens from Sulawesi are determined as “aff. *B. tenuifolia*”, but it would seem they are not in § *Parvibegonia*.

Begonia mollis A.DC.

From a Beccari specimen in FI (HB4499), determined by Irmscher. However, the specimen has no flowers or fruit, and whether this Javanese species really occurs on Sulawesi needs further investigation.

Begonia robusta Blume (see notes under that species)

Notes: A flora of 31 species, dominated by § *Petermannia* (27 spp.), with the remaining 4 being in § *Sphenanthera*. It is

likely that a complete account of Sulawesi *Begonia* will more than double this total.

MOLUCCAS

Begonia brachybotrys Merr. & L.M.Perry
Begonia holosericea (Teijsm. & Binn.) Teijsm. & Binn.
Begonia longifolia Blume
Begonia pseudolateralis Warb.
Begonia rieckei Warb.

Excluded names:

Begonia mollis A.DC. (see notes under that species)
Begonia muricata Blume (see notes under that species)
Begonia isoptera Dryand. ex Sm. (see notes under that species)

Notes: Although most of the species listed here are quite widespread, it is evident from herbarium collections that a number of endemic species remain to be described. Three of the species are in § *Petermannia* (see notes under *B. rieckii* Warb.), one is in § *Sphenanthera* and one is unplaced.

NEW GUINEA

Begonia acaulis Merr. & L.M.Perry
Begonia albobracteata Ridl.
Begonia archboldiana Merr. & L.M.Perry
Begonia arfakensis (Gibbs) L.L. Forrest & Hollingsw.
Begonia argenteomarginata Tebbitt
Begonia augustae Irmsch.
Begonia axillipara Ridl.
Begonia bartlettiana Merr. & L.M.Perry
Begonia bipinnatifida J.J.Sm.
Begonia brachybotrys Merr. & L.M.Perry
Begonia brassii Merr. & L.M.Perry
Begonia brevirimosa Irmsch. subsp. *brevirimosa*
Begonia brevirimosa subsp. *exotica* Tebbitt
Begonia calliantha Merr. & L.M.Perry
Begonia clemensiae Merr. & L.M.Perry
Begonia diffusiflora Merr. & L.M.Perry
Begonia djamuensis Irmsch.
Begonia dosedlae Gilli
Begonia eliasii Warb.
Begonia filibracteosa Irmsch.
Begonia flexicaulis Ridl.
Begonia fruticella Ridl.
Begonia fulvo-villosa Warb.
Begonia gilgiana Irmsch.
Begonia glabricaulis Irmsch. var. *glabricaulis*
Begonia glabricaulis var. *brachyphylla* Irmsch.
Begonia hirsuticaulis Irmsch.
Begonia humboldtiana Gibbs

Begonia kaniensis Irmsch.
Begonia kelliana Irmsch.
Begonia kerstingii Irmsch.
Begonia lauterbachii Warb.
Begonia ledermannii Irmsch.
Begonia malmquistiana Irmsch.
Begonia media Merr. & L.M.Perry
Begonia minjemensis Irmsch.
Begonia monantha Warb.
Begonia montis-bismarckii Warb.
Begonia mooreana (Irmsch.) L.L. Forrest & Hollingsw.
Begonia moszkowskii Irmsch.
Begonia multidentata Warb.
Begonia mystacina L.B.Sm. & Wassh.
Begonia naumoniensis Irmsch.
Begonia novoguineensis Merr. & L.M.Perry
Begonia oligandra Merr. & L.M.Perry
Begonia otophora Merr. & L.M.Perry
Begonia oxyura Merr. & L.M.Perry
Begonia papuana Warb.
Begonia pediophylla Merr. & L.M.Perry
Begonia pentaphragmifolia Ridl.
Begonia physandra Merr. & L.M.Perry
Begonia pinnatifida Merr. & L.M.Perry
Begonia pulchra (Ridl.) L.L. Forrest & Hollingsw.
Begonia randiana Merr. & L.M.Perry
Begonia rhodantha Ridl.
Begonia rieckei Warb.
Begonia serraticauda Merr. & L.M.Perry
Begonia serratipetala Irmsch.
Begonia sharpeana F.Muell.
Begonia simulans Merr. & L.M.Perry
Begonia sogerensis Ridl.
Begonia spilotophylla F.Muell.
Begonia stilandra Merr. & L.M.Perry
Begonia strictinervis Irmsch.
Begonia strigosa (Warb.) L.L. Forrest & Hollingsw.
Begonia subcyclophylla Irmsch.
Begonia subelliptica Merr. & L.M.Perry
Begonia suffrutescens Merr. & L.M.Perry
Begonia symbeccarii L.L. Forrest & Hollingsw.
Begonia symbracteosa L.L. Forrest & Hollingsw.
Begonia symgeraniifolia L.L. Forrest & Hollingsw.
Begonia symhirta L.L. Forrest & Hollingsw.
Begonia sympapuana L.L. Forrest & Hollingsw.
Begonia symparvifolia L.L. Forrest & Hollingsw.
Begonia symsanguinea L.L. Forrest & Hollingsw.
Begonia tafaensis Merr. & L.M.Perry
Begonia torricellensis Warb.
Begonia vanderwateri Ridl.
Begonia warburgii K.Schum. & Lauterb.
Begonia waryana Irmsch.
Begonia weigallii Hemsl.

Excluded names:

Begonia hombronensis A.DC. ined.

Begonia keysseri Irmsch. ined.

Begonia lauterbachii forma *monopoda* Irmsch. *nom. inval.*

No holotype designated, necessary for a valid publication in 1959.

Notes: A flora of 79 species, dominated by § *Petermannia* (55 spp.) and the endemic § *Symbegonia* (13 spp.). The remaining species are either in § *Diploclinium* (7 spp.) or unplaced to section (4 spp.).

BISMARCK ARCHIPELAGO

Begonia brachybotrys Merr. & L.M.Perry

Begonia brevirimosa Irmsch. subsp. *brevirimosa*

Begonia peekelii Irmsch.

Begonia rieckei Warb.

Begonia weigallii Hemsl.

Excluded names:

Begonia lamekotensis Irmsch. ined.

LACUSTRIS????

Notes: All these species are in § *Petermannia*. See notes under *B. rieckii* Warb.

SOLOMON ISLANDS

Begonia salomonensis Merr. & L.M.Perry

Begonia somervillei Hemsl.

Begonia weigallii Hemsl.

Notes: All these species are in § *Petermannia*.

VANUATU & FIJI

Begonia vitiensis A.C.Sm.

Notes: Why the only native (and endemic) species in Vanuatu and Fiji should belong to § *Diploclinium* and not § *Petermannia* which dominates the neighbouring floras is a mystery.