

Spathiphyllum Schott

Simon Joseph Mayo

Royal Botanic Gardens, Kew; simonjosephmayo@gmail.com

This treatment is composed of the following taxa: *Spathiphyllum*, *Spathiphyllum cannifolium*, *Spathiphyllum cuspidatum*, *Spathiphyllum gardneri*, *Spathiphyllum globulispadix*, *Spathiphyllum grazielae*, *Spathiphyllum humboldtii*, *Spathiphyllum juninense*, *Spathiphyllum maguirei*, *Spathiphyllum neblinae*, *Spathiphyllum ortgiesii*, *Spathiphyllum schomburgkii*, *Spathiphyllum tenerum*, *Spathiphyllum wallisii*.

HOW TO CITE

Mayo, S.J. 2020. *Spathiphyllum* in **Flora do Brasil 2020**. Jardim Botânico do Rio de Janeiro. Available at: <http://floradobrasil.jbrj.gov.br/reflora/floradobrasil/FB15644>.

Has as synonym

heterotypic *Amomophyllum* Engl.

heterotypic *Hydnostachyon* Liebm.

heterotypic *Leucochlamys* Poepp. ex Engl.

heterotypic *Massowia* K.Koch

heterotypic *Spathiphyllopsis* Teijsm. & Binn.

DESCRIPTION

Trichosclereids present. **HABIT** : evergreen herbs usually with short, erect to creeping stem, appearing acaulescent, sometimes stoloniferous, occasionally erect and climbing. **LEAVES** : several. **PETIOLE** : geniculate apically, sheath long. **BLADE** : oblong to elliptic or narrowly elliptic, cuspidate-acuminate; primary lateral veins pinnate, running into marginal vein, secondary and tertiary laterals parallel-pinnate, higher order venation transverse-reticulate. **INFLORESCENCE** : solitary. **PEDUNCLE** : subequal to or longer than petiole. **SPATHE** : oblong, elliptic, ovate or obovate, cuspidate-acuminate, ± decurrent at insertion, membranaceous to subcoriaceous, fully expanded, rarely fornicate or clasping, persistent, with distinct midrib and pinnate primary lateral veins, usually white, rarely green, turning green in fruit. **SPADIX** : usually stipitate, rarely sessile, stipe often partially adnate to spathe, spadix cylindrical, erect, shorter than spathe. **FLOWERS** : bisexual, perigoniate; tepals 4-6, free, fornicate and almost truncate at apex, or partly or completely connate into a truncate cup. **STAMENS** : 4-6, filaments short, oblong, flattened, connective slender, thecae oblong-ellipsoid to ovoid, dehiscing by longitudinal slit. **POLLEN** : inaperturate, ellipsoid to ellipsoid-oblong, medium-sized (mean 32 µm., range 27-41 µm.), exine striate. **GYNOECIUM** : ovoid, subcylindric, obovoid or flask-shaped, ovary 3-locular, more rarely 2- or 4-locular, ovules 2, 4, 6 or 8 per locule, anatropous to hemianatropous, placenta axile, stylar region usually long, conic and long-exserted beyond perigone, sometimes shortly attenuate, sometimes ± truncate and not exserted and inconspicuous, stigma 2-3-lobed or subcapitate to punctiform. **BERRY** : rounded, ovoid to obovoid, or conically attenuate apically, 1-8-seeded, greenish. **SEED** : oblong, ellipsoid to ovoid or slightly curved and ± reniform, pale yellow to brown, funicle short, testa sparsely foveolate, otherwise smooth or verrucose, embryo axile, elongate, slightly curved, endosperm copious.

Description from Mayo, S.J., Bogner, J., Boyce, P.C. (1997). The Genera of Araceae. Royal Botanic Gardens Kew. Pp. 109-110.

Life Form

Herb

Substrate

Hemiepiphytes, Terrestrial

DISTRIBUTION

Native, Not endemic to Brazil

Phytogeographic Domains

Amazon Rainforest, Central Brazilian Savanna, Atlantic Rainforest, Pantanal

Vegetation Types

Anthropic area, Grassland, Riverine Forest and/or Gallery Forest, Terra Firme Forest, Ombrophylous Forest (Tropical Rain Forest), Coastal Forest (Restinga)

Geographic Distribution

Confirmed occurrences

North (Acre, Amazonas, Amapá, Pará, Rondônia, Roraima, Tocantins)

Northeast (Bahia, Ceará, Maranhão, Pernambuco, Piauí)

Central-west (Distrito Federal, Goiás, Mato Grosso)

Southeast (Minas Gerais, Rio de Janeiro, São Paulo)

South (Paraná, Santa Catarina)

IDENTIFICATION KEY

- | | | |
|---|----------------------|--|
| 1. Peduncle > 2 x petiole length | 2 | |
| 2. Spadix globose, ca. 0.6 cm long | globulispadix | |
| 2'. Spadix cylindric, more than 1.5 cm long | | |
| 3. leaf blade less than 6 times longer than wide, spathe eventually deciduous | neblinae | |
| 3'. leaf blade more than 6 times longer than wide, spathe persistent | schomburgkii | |
| 1'. Peduncle < 2 x petiole length | | |
| 4. spadix > 5 x stipe length | | |
| 5. peduncle > 1.9 x leaf blade length | | |
| 6. petiole more than 35 cm long, leaf blade less than 3 times longer than wide | juninense | |
| 6'. petiole less than 35 cm long, leaf blade more than 3 times longer than wide | tenerum | |
| 5'. peduncle < 1.9 x leaf blade length | | |
| 7. Tepals completely connate into cup-like perigon | cannifolium | |
| 7'. Tepals free, at least apically | gardneri | |
| 4'. spadix < 5 x stipe length | | |
| 8. style cylindric, projecting well beyond perigon, petiole > 1.2 x leaf blade length | humboldtii | |
| 8'. style truncate to subtruncate, not projecting beyond perigon, petiole < 1.2 x leaf blade length | | |
| 9. petiole more than 20 cm long, leaf blade secondary veins nine to many per side | cuspidatum | |
| 9'. petiole less than 20 cm long, leaf blade secondary veins less than nine per side | maguirei | |

Spathiphyllum cannifolium (Dryand. ex Sims) Schott

This treatment is composed of the following taxa: *Spathiphyllum cannifolium*, .

Has as synonym

homotype *Spathiphyllum cannaefolium* (Dryand.) Schott
 heterotypic *Anthurium dechardii* Andrews
 heterotypic *Dracunculus cannifolius* (Dryand. ex Sims) Raf.
 heterotypic *Leucochlamys callacea* Poepp. ex Engl.
 heterotypic *Massowia cannifolia* (Dryand. ex Sims) K.Koch
 heterotypic *Massowia canniformis* (Kunth) K.Koch
 heterotypic *Philodendron cannifolium* (Dryand. ex Sims) Sweet
 heterotypic *Pothos cannifolius* Dryand. ex Sims
 heterotypic *Pothos canniformis* Kunth
 heterotypic *Pothos leucophaeus* Poepp. ex Engl.
 heterotypic *Pothos odoratus* Anderson ex Sims
 heterotypic *Spathiphyllum bonplandii* Schott
 heterotypic *Spathiphyllum candicans* Poepp.
 heterotypic *Spathiphyllum cannifolium* var. *nanum* Engl.
 heterotypic *Spathiphyllum canniforme* (Kunth) Engl.
 heterotypic *Spathiphyllum dechardii* (Andrews) Gentil

DESCRIPTION

Leaf: petiole length less than 35 cm long/more than 35 cm long/less than 20 cm long/more than 20 cm long; **petiole length blade length** less than 1.2 times blade; **blade length width** less than 3 times/more than 3 times/less than 6 times; **secondary veins number** more than 9 per side. **Inflorescence: peduncle length petiole length** less than 2 times; **peduncle length leaf blade length** less than 1.9 times; **spathe when mature** persistent; **spadix shape** cylindrical; **spadix length** more than 1 cm; **spadix length stipe length** less than 5 times. **Flower: style length** not extended above perigonium; **style shape** truncate or sub truncate; **perigonium type** tepal(s) connate.

ADDITIONAL DESCRIPTION

Petiole 18-40 (-59) cm long, equaling blade, sheath prominent, extending to geniculum or less, apically auriculate, early deteriorating into fibrous remains on older leaves; geniculum (1.2-) 2-3.5 (-5) cm long. Leaf blade typically oblique, narrowly to broadly oblanceolate varying to elliptic, 25-45 (-52) cm long and (5-) 8-16 (-24) cm wide, commonly widest above the middle, apex acute or acuminate, or broadly rounded and ending in a deltoid cusp, base mostly long-cuneate or simply acute; secondary veins many, close together, arising at an angle of 35-45°. Peduncle 35-70 (-100) cm long, mostly 1.5-2 times as long as leaf blade; spathe reflexed, typically lanceolate, varying to oblong or elliptic, 10-22 (-28) cm long and 2.5-6.5 (-9) cm wide, apex short- to long-acuminate, base commonly cuneate to somewhat obtuse, ± clasping the peduncle or narrowed into a short handle, white above, green below; spadix 4.5-12 (-20) cm long, smooth, on a stipe 0.5-2 (-3) cm long; perigon formed into a fleshy, 4-6-sided truncate cup, nearly concealing the gynoecium and stamens within; gynoecium cylindrical-obpyramidal, apex truncate, stigma coronate; anthers exerted at anthesis; ovary 3(-4) -locular, ovules ± collateral, placentation sub-basal in each locule, varying from 6-2 in each of the 3 locules, totaling (24-) 19-6 ovules per ovary. Fruiting spadix smooth; fruit spheroid, apex truncate; seeds as many as ovules, mostly irregularly ovoid and very angular, to 3.5 mm long and half as wide, surface furrowed and foveolate, especially on outer face, ridges irregular and verruculose.

Description [with minor format edits by S. Mayo] from G.S. Bunting (1960). A revision of *Spathiphyllum* (Araceae). *Memoirs of the New York Botanical Garden* 10(3): 12-13.

Life Form

Herb

Substrate

Terrestrial

DISTRIBUTION

Native, Not endemic to Brazil

Phytogeographic Domains

Amazon Rainforest, Atlantic Rainforest

Vegetation Types

Riverine Forest and/or Gallery Forest, Terra Firme Forest, Ombrophyllous Forest (Tropical Rain Forest), Coastal Forest (Restinga)

Geographic Distribution

Confirmed occurrences

North (Amazonas, Roraima)

Northeast (Pernambuco)

Southeast (Minas Gerais, Rio de Janeiro, São Paulo)

HERBARIUM MATERIAL

G.T. Prance, s.n., MO, 348376

Spathiphyllum cuspidatum Schott

DESCRIPTION

Leaf: **petiole length** less than 35 cm long/more than 35 cm long/more than 20 cm long; **petiole length blade length** less than 1.2 times blade; **blade length width** more than 3 times/less than 6 times; **secondary veins number** more than 9 per side. **Inflorescence:** **peduncle length petiole length** less than 2 times; **peduncle length leaf blade length** less than 1.9 times; **spathe when mature** persistent; **spadix shape** cylindric; **spadix length** more than 1 cm; **spadix length stipe length** less than 5 times. **Flower:** **style length** not extended above perigonium; **style shape** truncate or sub truncate; **perigonium type** tepal(s) free at the apex or completely free.

ADDITIONAL DESCRIPTION

Petiole (11-) 25-45 (-66) cm long, somewhat longer than blade, sheath conspicuous in lower two thirds; geniculum 1.2-2 (-3) cm long. Leaf blade lanceolate to oblong-elliptic, 24-38 (-51) cm long and 5-10 (-13) cm wide, apex acuminate, base acute, with ca. 9 pairs of secondary veins arising at an angle of 35-45°.

Peduncle 35-70 (-100) cm long, ca. 2-2.5 times as long as leaf blade; spathe lanceolate to elliptic, 10-20 (-26) cm long and 3-6 cm wide, apex acuminate to subcaudate, base acute or narrowed into a short handle; spadix 4-9 (-13) cm long, on a stipe 1-2.5 (-3.8) cm long; perigon of free tepals; gynoeceum obpyramidal, apically truncate, slightly constricted between the \pm annular style and the ovary, only the nipple-like stigma exceeding the perigon; ovary 3-locular, the ovules affixed near base of locules, varying from 4-2 in each of the 3 locules, totaling 12-6 ovules per ovary. Fruiting spadix smooth; fruit obovoid, apically truncate; seeds as many as ovules, oblique-oblong-ovate in profile, surface quite smooth or shallowly furrowed and foveolate.

Description from G.S. Bunting (1960) [with minor format edits by S. Mayo]. A revision of *Spathiphyllum* (Araceae). *Memoirs of the New York Botanical Garden* 10(3): 20.

Life Form

Herb

Substrate

Hemiepiphytes

DISTRIBUTION

Native, Not endemic to Brazil

Phytogeographic Domains

Amazon Rainforest, Central Brazilian Savanna

Vegetation Types

Grassland, Riverine Forest and/or Gallery Forest

Geographic Distribution

Confirmed occurrences

North (Roraima)

Central-west (Goiás)

HERBARIUM MATERIAL

G.T. Prance, 9395, INPA

REFERENCE

Oestr. Bot. Wochenbl. 7: (1857) 158vii. (1857) 158

Spathiphyllum gardneri Schott

Has as synonym

heterotypic *Massowia gardneri* (Schott) K.Koch

DESCRIPTION

Leaf: **petiole length** less than 35 cm long/less than 20 cm long/more than 20 cm long; **petiole length blade length** less than 1.2 times blade; **blade length width** more than 3 times/less than 6 times; **secondary veins number** less than 9 per side. **Inflorescence:** **peduncle length petiole length** less than 2 times; **peduncle length leaf blade length** less than 1.9 times; **spathe when mature** persistent; **spadix shape** cylindric; **spadix length** more than 1 cm; **spadix length stipe length** more than 5 times. **Flower:** **style length** not extended above perigonium; **style shape** truncate or sub truncate; **perigonium type** tepal(s) free at the apex or completely free.

ADDITIONAL DESCRIPTION

Petiole 15-35 cm long, sheath half as long or more; geniculum 0.8-2.4 cm long. Leaf blade oblanceolate to oblong-elliptic. (10-) 14-34 cm long, 3-7.5 cm wide, apex acute-acuminate, base acute or subattenuate, with ca. 4-6 pairs of arcuate secondary veins arising at an angle of ca. 45°. Peduncle 21-45 cm long, exceeding petiole; spathe cucullate, lanceolate or elliptic, 7-10 cm long, 2.2-3.4 cm wide, apex long-acuminate, base acute to subtruncate, conspicuously oblique and decurrent on peduncle for ca. 1 cm, white with a green central rib (fide Gardner); spadix 2.3-5.3cm long, on a stipe ca. 0.5 (-1.2) cm long; tepals free above, sometimes conglutinate below, at least with age; gynoecium obpyramidal, scarcely exceeding perigon, apically conic-subtruncate, constricted between annular style and ovary, stigma coronate; ovary 3-locular, ovules superposed, varying from 6-3 in each of the 3 locules; totaling 15-11 ovules per ovary. Fruiting spadix somewhat tuberculate; fruit obovoid, rostellate; seeds as many as ovules, ± oblong in profile and very angular, inner faces smooth, outer face smooth or somewhat verruculose along the angles. Description from G.S. Bunting (1960) [with minor format edits by S. Mayo]. A revision of *Spathiphyllum* (Araceae). *Memoirs of the New York Botanical Garden* 10(3): 19-20.

Life Form

Herb

Substrate

Terrestrial

DISTRIBUTION

Native, Is endemic from Brazil

Phytogeographic Domains

Amazon Rainforest, Central Brazilian Savanna

Vegetation Types

Riverine Forest and/or Gallery Forest

Geographic Distribution

Confirmed occurrences

North (Amazonas, Pará, Tocantins)

Northeast (Ceará, Maranhão, Piauí)

Central-west (Distrito Federal, Goiás, Mato Grosso)

HERBARIUM MATERIAL

T.B. Cavalcanti, 2874, RB

E.P. Heringer, 18071, UB

R.M. Harley, 10592, UB

Spathiphyllum globulispadix Bogner & Nadruz

DESCRIPTION

Leaf: petiole length less than 20 cm long; petiole length blade length less than 1.2 times blade; blade length width more than 3 times/less than 6 times; secondary veins number less than 9 per side. **Inflorescence:** peduncle length petiole length more than 2 times; peduncle length leaf blade length less than 1.9 times; spathe when mature persistent; spadix shape globose; spadix length less than 1 cm; spadix length stipe length less than 5 times. **Flower:** style length not extended above perigonium; style shape truncate or sub truncate; perigonium type tepal(s) free at the apex or completely free.

ADDITIONAL DESCRIPTION

Whole plant 10–12 cm tall. Rhizome creeping, ca. 4 cm long and ca. 0.6 cm in diam., with many roots 1–1.2 mm in diam. and with thinner secondary roots. Leaves many (10–12) in a rosette, green; petiole 4–5 cm long and 1.5–1.8 mm in diam., with apical geniculum, sheath (1.8) 2–2.5 cm long; leaf blade elliptic, 6.5–8 cm long and 1.8–2 cm wide, base cuneate, apex acuminate, midrib prominent (rounded below), 5–6 primary lateral veins on each side ascending upwards, parallel-pinnate, thinner second order veins between primaries and third order veins inconspicuous. Peduncle 10–12 cm long and ca. 1.5 mm in diam. Spathe ovate, 2.3–2.5 cm long and 1 cm wide at broadest point, white (after collector's note), apex acuminate. Spadix globular, at anthesis 0.6 cm in diam. and postfloral (immature infructescence) 1 cm in diam., stipitate, stipe ca. 4 mm long; spadix few-flowered, on one side only ca. 10 flowers visible but altogether ca. 20 flowers. Flowers bisexual, ca. 2 mm in diam., tepals 6, free with more or less truncate apex; ovary more or less rounded to flat at apex; stigma sessile, small, disk-like, ca. 0.4 mm in diam.; filaments flattened, thecae oblong, ca. 0.8 mm long, yellow, opening by a slit. A dwarf species not taller than ca. 15 cm and differs by its globular spadix from all other species of this genus which have cylindric spadices.

Holotypus: Brazil, Amazonas state, Sao Paulo de Olivenca, along margin of river, spathe white, A. Ducke s. n., flowering 19 Febr. 1932, RB No. 25469.

Description from J. Bogner and M.A. Nadruz Coelho (2019). A new dwarf *Spathiphyllum* (Araceae) from Brazil. *Aroideana* 42(1): 35-39.

Life Form

Herb

DISTRIBUTION

Native, Is endemic from Brazil

Phytogeographic Domains

Amazon Rainforest

Vegetation Types

Ombrophyllous Forest (Tropical Rain Forest)

Geographic Distribution

Confirmed occurrences

North (Amazonas)

REFERENCE

J. Bogner, M.A. Nadruz Coelho (2019). A new dwarf *Spathiphyllum* (Araceae) from Brazil. *Aroideana* 42(1): 35-40.

Spathiphyllum grazielae L.B.Sm.

DESCRIPTION

Leaf: **petiole length** character absent; **petiole length blade length** character absent; **blade length width** character absent; **secondary veins number** character absent. **Inflorescence:** **peduncle length petiole length** character absent; **peduncle length leaf blade length** character absent; **spathe when mature** character absent; **spadix shape** character absent; **spadix length** character absent; **spadix length stipe length** character absent. **Flower:** **style length** character absent; **style shape** character absent; **perigonium type** character absent.

Life Form

Herb

Substrate

Terrestrial

DISTRIBUTION

Native, Is endemic from Brazil

Phytogeographic Domains

Atlantic Rainforest

Vegetation Types

Ombrophyllous Forest (Tropical Rain Forest)

Geographic Distribution

Confirmed occurrences

Southeast (São Paulo)

REFERENCE

Conferir ocorrência da espécies na Mata Atlântica

TROPICOS

Spathiphyllum humboldtii Schott

Has as synonym

heterotypic *Spathiphyllum candolleianum* Schott

heterotypic *Spathiphyllum glaziovii* Engl.

heterotypic *Spathiphyllum huberi* Engl.

heterotypic *Spathiphyllum liesneri* Croat

DESCRIPTION

Leaf: **petiole length** less than 35 cm long/more than 35 cm long; **petiole length blade length** more than 1.2 times blade; **blade length width** more than 3 times/less than 6 times; **secondary veins number** more than 9 per side. **Inflorescence:** **peduncle length petiole length** less than 2 times; **peduncle length leaf blade length** less than 1.9 times; **spathe when mature** persistent; **spadix shape** cylindrical; **spadix length** more than 1 cm; **spadix length stipe length** less than 5 times. **Flower:** **style length** extended above perigonium; **style shape** cylindrical; **perigonium type** tepal(s) free at the apex or completely free.

ADDITIONAL DESCRIPTION

Petiole (20-) 32-68 cm long, 1-1.5 times as long as blade, sheath half as long or more; geniculum 1-2.5 (-3) cm long. Leaf blade oblique, lanceolate to oblong-lanceolate or elliptic, 20-44 cm long and 5.5-14.5 cm wide, 2.5-4 times as long as wide, apex acute-acuminate, base obtuse or acute, sometimes subrotund, secondary veins many, arising at an angle of ca. 45-60°. Peduncle 36-77 (-96) cm long, often twice as long as blade or longer; spathe lanceolate or oblong-lanceolate (4.6-) 8-19 (-26) cm long and 2-5.5 (-6.6) cm wide, apex attenuate or acuminate, base obtuse and slightly clasping or narrowed to a short handle; spadix (1.5-) 4-11 cm long, on a stipe (0.5-) 1-3.5 cm long; perigon of 4 to 5 tepals, free at apex, connate in basal one third; gynoecium elongate, ± oblong in profile, style prominently exceeding perigon, apex blunt or subconic, ending in an elevated brush-like stigma; ovary 2-3-locular, ovules affixed near base in each locule, varying from (5-) 4 to 2 (-1) in each locule and totaling 9-4 ovules per ovary. Fruiting spadix rough; fruit elongate obovoid, blunt toward apex and abruptly rostellate; seeds fewer than ovules, comma-shaped in profile or irregularly compressed, surface very verruculose and foveolate.

Description from G.S. Bunting (1960) [with minor format edits by S. Mayo]. A revision of *Spathiphyllum* (Araceae). *Memoirs of the New York Botanical Garden* 10(3): 33.

Life Form

Herb

Substrate

Terrestrial

DISTRIBUTION

Native, Not endemic to Brazil

Phytogeographic Domains

Amazon Rainforest

Vegetation Types

Riverine Forest and/or Gallery Forest, Terra Firme Forest

Geographic Distribution

Confirmed occurrences

North (Amazonas, Amapá, Pará, Rondônia, Roraima)

HERBARIUM MATERIAL

Cesarino, F., 149, INPA

Spathiphyllum juninense K.Krause

DESCRIPTION

Leaf: **petiole length** more than 35 cm long; **petiole length blade length** more than 1.2 times blade; **blade length width** less than 3 times; **secondary veins number** more than 9 per side. **Inflorescence:** **peduncle length petiole length** less than 2 times; **peduncle length leaf blade length** more than 1.9 times; **spathe when mature** persistent; **spadix shape** cylindrical; **spadix length** more than 1 cm; **spadix length stipe length** more than 5 times. **Flower:** **style length** not extended above perigonium; **style shape** truncate or sub truncate; **perigonium type** tepal(s) free at the apex or completely free.

ADDITIONAL DESCRIPTION

Petiole 40-57 cm long, sheath extending for much of its length; geniculum 1.6-2 cm long. Leaf blade oblique, ovate-elliptic, 28-32 cm long and 12-15.5 cm wide, apex cuspidate (probably; lost from type specimen), base rotund-obtuse, with many secondary veins arising at an angle of ca. 55-60°. Peduncle to 70 cm long; spathe oblong, to 19 cm long and 5.7 cm wide, apex long-cuspidate, base apparently obtuse; spadix to 12.3 cm long, on a stipe ca. 1.5 cm long; perigon of free tepals; gynoecium obpyramidal, apex subtruncate, crowned by nipple-like stigma; ovary (2-) 3-locular, ovules affixed near base of locules, 2 or 1 in each of the 3 locules, totaling 5-3 ovules per ovary. Fruit unknown.

Description from G.S. Bunting (1960) [with minor format edits by S. Mayo]. A revision of *Spathiphyllum* (Araceae). *Memoirs of the New York Botanical Garden* 10(3): 27-29.

Life Form

Herb

Substrate

Terrestrial

DISTRIBUTION

Native, Not endemic to Brazil

Phytogeographic Domains

Amazon Rainforest, Pantanal

Vegetation Types

Riverine Forest and/or Gallery Forest

Geographic Distribution

Confirmed occurrences

North (Acre)

Central-west (Mato Grosso)

HERBARIUM MATERIAL

C. Ferreira, 8956, NY

Spathiphyllum maguirei G.S.Bunting

Has as synonym

homotype *Spathiphyllum maguire* G.S.Bunting

DESCRIPTION

Leaf: **petiole length** less than 20 cm long; **petiole length blade length** less than 1.2 times blade; **blade length width** more than 3 times/less than 6 times; **secondary veins number** less than 9 per side. **Inflorescence:** **peduncle length petiole length** less than 2 times; **peduncle length leaf blade length** less than 1.9 times; **spathe when mature** deciduous; **spadix shape** cylindrical; **spadix length** more than 1 cm; **spadix length stipe length** less than 5 times. **Flower:** **style length** not extended above perigonium; **style shape** truncate or sub truncate; **perigonium type** tepal(s) free at the apex or completely free.

COMMENTS

Petiole 9.5-12 cm long, sheath three-quarters of petiole length; geniculum 0.6-0.9 cm long. Leaf blade lanceolate, 13-15 cm long and 2.3-3 cm wide, attenuate-acuminate at apex, acute at base, secondary veins in about 4 pairs, diverging from midrib at ca. 25°. Peduncle up to 23 cm long; spathe narrowly lanceolate, apparently deciduous when mature, 5.2-5.6 cm long and 1 cm wide, attenuate at apex, broadly acute at base, green (according to Maguire); spadix 1.5-3.3 cm long, stipitate for ca. 1 cm; perigon of free tepals or tepals conglutinate or connate basally; gynoeceium obpyramidal, subtruncate apically, perigon exceeded only by erect stigma; ovary 3-locular, locules 3-2-ovulate, ovules attached to sub-basal placenta in each locule, 7-6 ovules in the whole ovary. Fruiting spadix more or less smooth; fruit angular-spherical, more-or-less as wide as long, apex truncate; seeds equal in number to ovules, oblique-ovoid, with foveolate surface.

Description from G.S. Bunting (1960). A revision of *Spathiphyllum* (Araceae). *Memoirs of the New York Botanical Garden* 10(3): 23-24.

Translated from Latin with format changes by S. Mayo, 20 March 2020.

Life Form

Herb

Substrate

Terrestrial

DISTRIBUTION

Native, Not endemic to Brazil

Phytogeographic Domains

Amazon Rainforest

Vegetation Types

Riverine Forest and/or Gallery Forest

Geographic Distribution

Confirmed occurrences

North (Amazonas)

HERBARIUM MATERIAL

Feitosa, M.C.B., 2, INPA

REFERENCE

Mem. N. Y. Bot. Gard. 10: No. 3 23 (1960). 10. No. 3 23

Spathiphyllum neblinae G.S.Bunting

DESCRIPTION

Leaf: **petiole length** less than 20 cm long; **petiole length blade length** less than 1.2 times blade; **blade length width** more than 3 times/less than 6 times; **secondary veins number** less than 9 per side. **Inflorescence:** **peduncle length petiole length** more than 2 times; **peduncle length leaf blade length** less than 1.9 times; **spathe when mature** deciduous; **spadix shape** cylindrical; **spadix length** more than 1 cm; **spadix length stipe length** less than 5 times. **Flower:** **style length** not extended above perigonium; **style shape** truncate or sub truncate; **perigonium type** tepal(s) free at the apex or completely free.

ADDITIONAL DESCRIPTION

Petiole (4-) 7.5-12 cm long, sheath half as long or more; geniculum 0.5-1.3 cm long and sulcate above. Leaf blade elliptic or rarely lanceolate-elliptic, (10.5-) 15-19 cm long and (2.3-) 2.9-3.9 cm wide, acuminate at apex, acute at base, secondary veins in 4-5 pairs, arising at an angle of 20-30°. Peduncle (6-) 18-25 cm long; spathe upright, oblong to lanceolate, (4.4-) 5.7-6.8 cm long and (0.9) 1.3-2.4 cm wide, attenuate-acuminate at apex, attenuate at base, sometimes narrowed into a short handle, white at anthesis, becoming green with age and apparently deciduous; spadix green, (1-) 1.8-3.8 cm long, stipe (1.2-) 1.7-2.4 cm long; perigon of free tepals; gynoecium obpyramidal, truncate apically, slightly constricted between annular ovary and style, only the upraised stigma exceeding perianth; ovary apparently 2-locular, locules 5-2-ovulate, ovules in each locule attached to sub-basal placenta, totaling 9-5 in the whole ovary. Fruiting spadix smooth; fruit cylindrical-obpyramidal; seeds equal in number to ovules, strongly angled and irregularly reniform or oblique-ovoid, surface conspicuously foveolate.

Description from G.S. Bunting (1960). A revision of *Spathiphyllum* (Araceae). *Memoirs of the New York Botanical Garden* 10(3): 25.

Translated from Latin with edited format by S. Mayo, 20 March 2020.

Life Form

Herb

Substrate

Terrestrial

DISTRIBUTION

Native, Not endemic to Brazil

Phytogeographic Domains

Amazon Rainforest

Vegetation Types

Riverine Forest and/or Gallery Forest, Terra Firme Forest

Geographic Distribution

Confirmed occurrences

North (Amazonas, Pará)

HERBARIUM MATERIAL

Carvalho, F.A., 198, INPA

REFERENCE

Mem. N. Y. Bot. Gard. 10: No. 3 25 (1960). 10. No. 3 25

Spathiphyllum ortgiesii Regel

Life Form

Herb

Substrate

Terrestrial

DISTRIBUTION

Cultivated, Not endemic to Brazil

Spathiphyllum schomburgkii Schott

Has as synonym

heterotypic *Spathiphyllum candolleanum* var. *schomburgkii* (Schott) Engl.

DESCRIPTION

Leaf: petiole length less than 20 cm long; petiole length blade length less than 1.2 times blade; blade length width more than 6 times; secondary veins number less than 9 per side. **Inflorescence:** peduncle length petiole length less than 2 times/more than 2 times; peduncle length leaf blade length less than 1.9 times; spathe when mature persistent; spadix shape cylindrical; spadix length more than 1 cm; spadix length stipe length less than 5 times. **Flower:** style length not extended above perigonium; style shape truncate or sub truncate; perigonium type tepal(s) free at the apex or completely free.

ADDITIONAL DESCRIPTION

Petiole to 12.5 cm long, sheath prominent, extending nearly to geniculum; geniculum ca. 0.8 cm long. Leaf blade oblique, narrowly elliptic, to 18 cm long and 2.5 cm wide, apex acute-attenuate, base attenuate, secondary veins ca. 4 pairs arising at an angle of 15-25°. Peduncle 26 cm long; spathe lanceolate-elliptic, 6.2 cm long and ca. 1.6 cm wide, apex acute-acuminate, base acute; spadix ca. 2.5 cm long, on a stipe ca. 0.7 cm long; perigon of free tepals; gynoecium obpyramidal, scarcely exceeding perigon, apex obtuse-subtruncate, stigma coronate; ovary 2-locular (?), ovules affixed on a sub-basal placenta in each locule, (apparently) 4-3 in each of the locules, totaling 7-6 ovules per ovary. Fruit unknown. Description from G.S. Bunting (1960) [with minor format edits by S. Mayo]. A revision of *Spathiphyllum* (Araceae). *Memoirs of the New York Botanical Garden* 10(3): 24.

Life Form

Herb

Substrate

Terrestrial

DISTRIBUTION

Native, Not endemic to Brazil

Phytogeographic Domains

Amazon Rainforest

Vegetation Types

Riverine Forest and/or Gallery Forest

Geographic Distribution

Confirmed occurrences

North (Amazonas, Roraima)

HERBARIUM MATERIAL

G.T. Prance, 10467, MO

Spathiphyllum tenerum Engl.

DESCRIPTION

Leaf: **petiole length** less than 35 cm long/less than 20 cm long/more than 20 cm long; **petiole length blade length** more than 1.2 times blade; **blade length width** more than 3 times/less than 6 times; **secondary veins number** less than 9 per side. **Inflorescence:** **peduncle length petiole length** less than 2 times; **peduncle length leaf blade length** more than 1.9 times; **spathe when mature** persistent; **spadix shape** cylindric; **spadix length** more than 1 cm; **spadix length stipe length** more than 5 times. **Flower:** **style length** not extended above perigonium; **style shape** truncate or sub truncate; **perigonium type** tepal(s) free at the apex or completely free.

ADDITIONAL DESCRIPTION

Petiole slender, 20-26 cm long, sheath prominent, extending three-fourths of petiole length; geniculum 0.4-0.6 cm long. Leaf blade somewhat oblique, oblong-lanceolate, 16-18 cm long and 4-5 cm wide, apex acuminate-cuspidate, base commonly obtuse, with ca. 7 or 8 pairs of secondary veins arising at an angle of 60-65°. Peduncle slender, 31-39 cm long; spathe oblong to oblong-lanceolate, 5.3-8.3 cm long and 1.5-2 cm wide, apex attenuate to subcaudate, base obtuse, greenish-white (fide Ule); spadix 2.6-5 cm long, on a stipe 0.3-0.8 cm long; perigon of free tepals; gynoecium obpyramidal, very angular, apically truncate, the nipple-like stigma shortly exceeding perigon; ovary 3-locular, ovules affixed near base of each locule, 2(-1) in each of the 3 locules, totaling 6-4 ovules per ovary. Fruiting spadix smooth; fruit broadly obovoid, apically truncate; seeds 5-3, broadly comma-shaped in profile, surface vertically furrowed and foveolate between verruculose ridges.

Description from G.S. Bunting (1960) [with minor format edits by S. Mayo]. A revision of *Spathiphyllum* (Araceae). *Memoirs of the New York Botanical Garden* 10(3): 31.

Life Form

Herb

Substrate

Terrestrial

DISTRIBUTION

Native, Not endemic to Brazil

Phytogeographic Domains

Amazon Rainforest

Vegetation Types

Riverine Forest and/or Gallery Forest

Geographic Distribution

Confirmed occurrences

North (Roraima)

HERBARIUM MATERIAL

Almeida, S., 579, HUEFS

REFERENCE

Jahrb. 37: 120

Spathiphyllum wallisii Regel

Life Form

Herb

Substrate

Terrestrial

DISTRIBUTION

Cultivated, Not endemic to Brazil

Vegetation Types

Anthropic area

Geographic DistributionConfirmed occurrences

Northeast (Bahia)

Southeast (São Paulo)

South (Paraná, Santa Catarina)

HERBARIUM MATERIAL

Marciel, A.D., 1, UNOP (UNOP004315), Paraná

R.J.F.Garcia, 1235, PMSP (PMSP003871)