

SMITHSONIAN MISCELLANEOUS COLLECTIONS  
VOLUME 69, NUMBER 12

BEGONIACEAE CENTRALI-AMERICANAE  
ET ECUADORENSES

BY  
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(PUBLICATION 2533)

CITY OF WASHINGTON  
PUBLISHED BY THE SMITHSONIAN INSTITUTION  
APRIL 9, 1919

The Lord Baltimore Press  
BALTIMORE, MD., U. S. A.

BEGONIACEAE CENTRALI-AMERICANAE ET  
ECUADORENSES<sup>1</sup>

CASIMIR DE CANDOLLE

1. *BEGONIA KELLERMANII* C. DC., n. sp.

Caule erecto lignoso crasso; foliis peltatis modice petiolatis, limbo ovato sinuato-integro basi rotundato apice acuminato, 7-nervio, utrinque petioloque incano-tomentosis, stipulis lanceolatis basi truncatis apice subulatis dorso pilosis; pedunculo apice cymam paucifloram gerente incano-tomentoso, bracteis obovato-oblongis basi et apice truncatis dorso et apice villosis; floris masc. sepalis 2 rotundatis glabris integris, petalis oblongo-ellipticis integris glabris, antheris liberis filamenta superantibus obovato-oblongis basi acutis apice obtusis; floris fem. 3-lobi lobis glabris integris externis rotundatis, interno multo minore; capsulae ellipticae basi ima pilosae 3-alatae 3-locularis pedicello incano-tomentoso, stilibus 3 persistentibus basi connatis superne 3-fidis laciniis spiralter papilliferis, placentis 2-partitis lamellis utrinque ovuliferis.

Caulis in sicco fuscescens 1 cm. crassus; ramuli floriferi fere 3 mm. crassi incano-tomentosi. Folia alterna. Limbi adulti 5 cm. longi et 3 cm. lati. Petioli circiter 3 cm. longi. Pedunculi circiter 5 cm. longi. Floris masc. pedicellus 4 mm. longus; sepala 5 mm., petala 4 mm. longa; stamina 12 toro convexo inserta, antherae 2.5 mm. longae rimis dehiscentes; capsulae pedicellus 12 mm. longus; capsulae 11 mm. longae ala maxima 7 mm. longa.—Species sectionis *Rachia* A. DC., a *B. incana* Lindl. foliis multo minoribus, limbo magis ovato et longius acuminato ac capsulis minoribus floribusque glabris discrepans.

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<sup>1</sup>The plants of the family Begoniaceae collected during the biological exploration of Panama, undertaken a number of years ago under the auspices of the Smithsonian Institution, were placed in the hands of Mr. Casimir de Candolle, of Geneva, for determination, together with unidentified specimens from other parts of tropical America. The present paper, manuscript of which was received some time before Mr. de Candolle's death, contains description of new species based upon a part of this material. Of the species described as new, 14 are from Panama, and one each from Guatemala, Costa Rica, and Ecuador.—FREDERICK V. COVILLE.

GUATEMALA: Prope Patulul, Depart. Sololá, Febrero, *W. A. Kellerman* 5694.

2. **BEGONIA FISSURARUM** C. DC., n. nom.

*Begonia leptophylla* C. DC. Bull. Herb. Boiss. ser. 2. 8: 319. 1908.

Nomen mutandum quia prius (1896) a cl. Taubertio usitatum.

3. **BEGONIA STENOPTERA** C. DC., n. sp.

Ramulis sat dense pilosis; foliis sat longe petiolatis, limbo ovato basi valide inaequilatera, latere brevior subrotundato, longiore rotundato, apice longe et acute palmati-septemnervio, utrinque petioloque sat dense pilosis; pedunculis quam petioli brevioribus apice cymam paucifloram gerentibus, ut cymae ramuli pedicellique pilosis; floris masc. sepalis 2 rotundatis integris subtus breviter haud dense pilosis, antheris quam filamenta brevioribus numerosis subovato-ellipticis; floris fem. 3-lobi lobis integris externis rotundatis subtus dense breviterque pilosis, interno elliptico multo minore; capsulae ellipticae basi et apice attenuatae trialatae alis subaequalibus marginiformibus dorso pilosis, stilis caducis basi ima connatis bifidis, laciniis spiraliter papilliferis.

Ramuli in sicco atro-rubescens, pilis ferrugineis crispulis. Folia alterna. Limbi in sicco rigido-membranacei usque ad 10 cm. longi et 6.5 cm. lati. Petioli usque ad 7 cm. longi. Cymarum pedunculi circiter 2 cm., capsularum pedicelli 12 mm. longi. Floris masc. sepala 5 mm. longa et lata, antherae 0.5 mm. longae rimis dehiscentes, filamenta 1 mm. longa. Capsula 10 mm. longa, 5 mm. lata, placentae bifidae, lamellae utrinque ovuliferae.

COSTA RICA: Santa Elena de Turrialba, Januario, *H. Pittier*, sine numero.

4. **BEGONIA GARAGARANA** C. DC., n. sp.

Omnino glabra; foliis e rhizomate longissime petiolatis, limbo oblique rotundato-ovato basi inaequilatera subcordato apice breviter acuminato margine integro, palmatinervio, scapo e rhizomate surgente folium aequante, superne cymifero; floris masc. sepalis 2 subobovatis integris, petalis 2 obovato-lanceolatis, staminibus liberis, filamentis brevissimis, antheris linearibus apice connectivo brevissime producto apiculatis; stilis caducis, capsulae ovato-rotundae ala maxima horizontaliter dolabriformi, placentis bipartitis lamellis undique seminiferis.

Folia alterna. Limbi in sicco membranacei oblique 17 cm. longi et usque ad 19 cm. lati, stomata sparsa, cellulae spiculares et cystosphaeria crebra. Petioli 2-5 cm. longi. Scapus usque ad 54 cm. longus, floris masc. sepala 9 mm. longa et 6 mm. lata, antherae 2.5 mm. longae, capsulae 8 mm. longae, ala maxima 2.5 cm. longa et 1.2 cm. lata, semina elliptica.

PANAMA: Cerro de Garagará, Sambú Basin, southern Darién, alt. 500-974 m., *H. Pittier* 5672.

5. *BEGONIA BREVICYMA* C. DC., n. sp.

Omnino glabra; foliis e rhizomate longe petiolatis, limbo rotundato basi cordato apice acuminato superne utrinque 1-2-dentato caeterum margine integro, palmatinervio; scapo e rhizomate surgente folia superante apice breviter cymifero, cyma pauciflora quam scapus pluries brevior, floribus magnis; floris masc. sepalis 2 obovatis integris, petalis 2 obovatis integris, staminibus numerosis toro insertis, antheris oblongo-obovatis filamenta fere aequantibus.

Limbi in sicco membranacei 9.5 cm. longi latique, stomata facie infera sparsa vel binata, cystolitha haud crebra. Scapus usque ad cymam 25 cm. longus, cyma 3 cm. longa, bractee ovatae integrae subtus glandulis conspersae 1 cm. longae et 8 mm. latae. Floris masc. in vivo albi sepala 17 mm. longa et usque ad 12 mm. lata, petalaeque 15 mm. longa et usque ad 10 mm. lata subtus glandulis conspersa, stamina numerosa in sicco rubra, antherae 15 mm. longae rimis dehiscentes; flores feminei ignoti.

PANAMA: Humid forest around Los Siguan Camp, southern slope of Cerro de la Horqueta, Chiriquí, alt. about 1700 m., *W. R. Maxon* 5417.

6. *BEGONIA MUCRONISTIPULA* C. DC., n. sp.

Omnino glabra; foliis e rhizomate longe petiolatis, stipulis oblongo-ovatis paullo infra apicem dorso mucronatis, limbo transverse reniformi basi cordato apice acute acuminato margine integro vel superne tridentato, palmatinervio; scapo e rhizomate surgente quam folia multo longiore apice cymigero, cyma dichotome ramosa pauciflora, floribus sat longe pedicellatis; floris masc. sepalis 2 rotundatis integris, petalis 2 obovatis integris quam sepala multo minoribus, staminibus liberis, antheris oblongo-obovatis quam filamenta longioribus; floris fem. 3-lobi lobis 2 externis rotundatis integris, tertio obovato multo minore, ovario 3-loculari, placentis bipartitis lamellis utrinque ovuliferis, stilibus 3 basi connatis bifidis sub laciniis inflatis et

papilliferis laciniis ipsis spiraliter papilliferis, ovarii ala maxima adscendente superne attenuata apice mutica.

Folia alterna. Stipulae membranaceae fere 2 cm. longae. Limbi in sicco membranacei 8 cm. longi, 4 cm. lati, stomata plerumque binata, cystosphaeria crebra. Petioli usque ad 16 cm. longi. Scapus circiter 35 cm. longus. Pedicelli 6 mm. longi, flores rubri; floris masc. sepala 7 mm. longa et fere aequilata, petala 5 mm. longa et 2.5 mm. lata; floris fem. lobi externi 8 mm. longi et 10 mm. lati.

PANAMA: Between the Río Ladrillo and Los Sigüas Camp, southern slope of Cerro de la Horqueta, Chiriquí, alt. 1200-1700 m., *H. Pittier* 3172.

7. *BEGONIA UVANA* C. DC., n. sp.

Foliis e rhizomate modice petiolatis, limbo oblique rotundato basi inaequilatera utrinque rotundato apice acute acuminato margine dentato serratoque dentulis dentibusque apice setiferis, utrinque glabro, palmatinervio, petiolo haud dense piloso, scapo e rhizomate surgente folia superante longe et haud dense piloso apice cymigero, cyma folium fere aequante dichotome ramosa longe et haud dense pilosa, bracteolis 2 rotundato-obovatis ciliatis; floris masc. sepalis 2 rotundato-obovatis integris glabris, petalis nullis, staminibus in apice columnae brevis umbellatis, antheris oblongis filamenta paullo superantibus; floris fem. bilobi lobis ovatis integris glabris, stilibus 3 persistentibus inferne connatis bifidis, laciniis apice auriculatis, ovario glabro 3-loculari, placentis bipartitis, lamellis utrinque ovuliferis, capsulae ovatae glabrae alis glabris marginiformibus apice horizontaliter truncatis.

Rhizoma glabrum. Stipulae glabrae apice acuminatae. Folia alterna. Limbi in sicco membranacei usque ad 8 cm. longi latique, stomata sparsa, cystosphaeria crebra. Petioli usque ad 10 cm. longi. Scapus usque ad cymam 20 cm. longus. Bracteolae 7 mm. longae et 5.5 mm. latae. Floris masc. sepala 7 mm. longa et usque ad 7 mm. lata. Capsulae fere 1 cm. longae ala maxima superne usque ad 3 mm. lata, aliae multo angustiores, semina elliptica.

PANAMA: Isla de Uva, Contreras Group, Province of Veraguas, *H. Pittier* 5109.

8. *BEGONIA MAMEIANA* C. DC., n. sp.

Caule glabro ramoso; foliis breviter petiolatis, limbo ovato-acuminato basi altero latere rotundato altero attenuato apice acute acuminato margine duplicato-serrato dentibus dentulisque subulatis,



palmatinervio, supra piloso subtus glabro; cymis dichotome ramosis folia parum superantibus glabris; floris masc. longe pedicellati sepalis 2 ovatis integris glabris, petalis nullis, staminibus in columna brevi insertis, antheris quam filamenta brevioribus ovatis apice connectivo producto apiculatis; floris fem. bracteolis 2 rotundatis dentatis glabris fulti lobis 3 ovatis integris glabris, stilis 3 persistentibus inferne connatis bifidis, laciniis spiraliter papilliferis, ovario ovato 3-loculari, placentis bipartitis lamellis utrinque ovuliferis, capsulae ovatae 3-alatae ala maxima horizontali ovata.

Caulis 35 cm. superans, ramuli tenues. Folia alterna, stipulae glabrae acutae. Limbi in sicco membranacei 4 cm. longi et usque ad 2 cm. lati, stomata in facie infera glomerulata, cystolitha et cystosphaeria nulla. Floris masc. sepala 3 mm. longa et 2 mm. lata, antherae 0.5 mm. longae rimis dehiscentes, floris fem. lobi 2 mm. longi et vix 1 mm. lati; capsulae ala maxima 7 mm. longa.

PANAMA: Mamei, Canal Zone, alt. 10-30 m., in cool wet places, *H. Pittier* 2251.

9. *BEGONIA VILLIPETIOLA* C. DC., n. sp.

Foliis longe petiolatis, limbo oblique ovato-acuminato basi cordato apice acute et longe acuminato margine serrulato ciliatoque et superne 1-dentato integrove, supra parcissime et subtus sat dense et longe piloso, palmatinervio, petiolo dense villosa; scapo inferne piloso superne glabro apice cymifero, cyma dichotome ramosa glabra multiflora quam scapus multo brevior; floris fem. bilobi lobis rotundatis integris glabris, stilis 3 persistentibus inferne connatis superne bifidis, laciniis spiraliter papilliferis ovario glabro, placentis bipartitis lamellis utrinque ovuliferis, capsulae ellipticae glabrae trilatae ala maxima horizontali ovata, seminibus minutis obovatis.

Folia alterna. Limbi in sicco membranacei 13 cm. longi et usque ad 11 cm. lati, stomata in facie infera sparsa, cystosphaeria crebra. Petioli usque ad 15 cm. longi. Scapus usque ad cymam 23 cm. longus. Cymae rami usque ad 6 cm. longi. Floris fem. in vivo albi lobi 7 mm. longi et fere aequilati, capsulae ala maxima 11 mm. longa et 8 mm. lata, aliae multo minores.

PANAMA: Bismarck, above Penonomé, *R. S. Williams* 309.

10. *BEGONIA CILIBRACTEOLA* C. DC., n. sp.

Caule glabro; foliis modice petiolatis, limbo rotundato basi fere aequilatera cordato margine crenulato dentibus rotundatis, utrinque breviter et haud dense piloso, palmatinervio; cymis folia superantibus

paucifloris glabris; floris masc. sepalis 2 late lunulatis petalisque 2 obovatis integris glabris, staminibus liberis, antheris oblongis apice connectivo producto obtuse apiculatis filamenta multo superantibus; floris fem. bracteolis 2 oblongo-ovatis margine ciliatis fulti lobis 5 rotundato-obovatis integris glabris quorum 4 externi aequales, quintus minor, stilis persistentibus 3 tantum basi ima connatis 2-fidis, laciniis spiraliter papilliferis, ovario ovato glabro 3-loculari, placentis bipartitis lamellis utrinque ovuliferis, capsulae ovatae glabrae ala maxima late falcata subadscendente apice obtusa, seminibus inferne sat longe attenuatis.

Caulis erectus, in sicco membranaceus fere 4 mm. crassus. Folia alterna. Limbi in sicco membranacei 2.5 cm. longi et 3 cm. lati, stomata 3-4-glomerulata, cystolitha et cystosphaeria nulla. Petioli 1.5 cm. longi haud dense pilosi. Cyma fructifera fere 5 cm. longa, floris masc. sepala 7 mm. longa et 8 mm. lata, antherae 2 mm. longae rimis dehiscentes; floris fem. lobi externi 3 mm. longi latique, capsulae 1.8 cm. longae ala maxima superne 1.2 cm. lata.

PANAMA: Ahorca Lagarto to Culebra, *J. F. Cowell* 388.

#### 11. *BEGONIA LEPTOPODA* C. DC., n. sp.

Caule a rhizomate erecto glabro; foliis modice petiolatis, limbo oblique ovato-acuminato basi inaequilatera altero latere rotundato altero attenuato apice longe acuminato utrinque parce et breviter piloso subglabrove, margine dentato serratoque dentibus denticulatis subulatisque, palmatim 8-nervio nervis tenuibus; cymis axillaribus dichotome ramulosis glabris, pedicellis tenuissimis; floris masc. sepalis 2 ovatis integris glabris, petalis nullis, staminibus in columna brevi glabra insertis, antheris ovatis filamenta aequantibus; floris fem. lobis 4 elliptico-lanceolatis integris glabris, stilis persistentibus bifidis laciniis spiraliter papilliferis, ovario glabro 3-loculari, placentis bipartitis lamellis utrinque ovuliferis, capsulae ovatae glabrae 3-alatae ala maxima horizontali ovata apice obtusa, aliis marginiformibus, seminibus ovatis.

Caulis circiter 30 cm. altus in sicco membranaceus usque ad 5 mm. crassus. Folia alterna. Limbi in sicco membranacei 9 cm. longi et usque ad 3.5 cm. lati, stomata in facie infera glomerulata, cystosphaeria creberrima, cymae 5-6 cm. longae; floris masc. sepala 3 mm. longa; floris fem. lobi 1.5 mm. longi, capsulae 6 mm. longae ala maxima 7 mm. longa basi 6 mm. lata.

PANAMA: Vicinity of San Felix, eastern Chiriquí, alt. 0-120 m., *H. Pittier* 5215.



12. *BEGONIA PUBIPEDICELLA* C. DC., n. sp.

Caule hirsuto; foliis longe petiolatis, limbo oblique ovato-acuminato palmatinervio margine serrulato dentulis acutis utrinque hirsuto pilis brevibus, petiolo hirsuto in sicco rubro, cymae axillaris pauciflorae quam petiolus brevioris pedunculo pedicellisque hirsutis; floris masc. sepala 2 rotundata integra dorso pilosa, petalis 2 obovatis integris glabris, staminibus liberis, antheris oblongis quam filamenta paullo longioribus; floris fem. 3-lobi lobis integris glabris, 2 externis rotundatis tertio multo minore, stilis 3 inferne connatis bifidis sub laciniis extus elatis et papilliferis, laciniis ipsis spiraliter papilliferis, ovario glabro 3-loculari, alis juvenilibus marginiformibus, placentis bipartitis lamellis utrinque ovuliferis.

Caulis ut videtur erectus circiter 25 cm. altus et 3 mm. crassus in sicco durus et ruber. Folia alterna. Limbi in sicco membranacei circiter 7.5 cm. longi et usque ad 6.5 cm. lati, stomata in facie infera sparsa, cystolitha et cystosphaeria nulla. Petioli usque ad 7 cm. longi. Bracteolae ovato-rotundatae glabrae integrae 5 mm. longae 4 mm. latae. Pedicelli usque ad 1.5 cm. longi; flores in vivo rosei; floris masc. sepala 7 mm. longa et fere aequilata, petala usque ad 5 mm. longa et 2.5 mm. lata, antherae 1.5 mm. longae rimis dehiscentes; floris fem. lobi externi 8 mm. longi et 10 mm. lati.

PANAMA: Humid forest of Cuesta de las Palmas, southern slope of Cerro de la Horqueta, Chiriquí, alt. 1700-2100 m., *H. Pittier* 3248.

13. *BEGONIA SERRATIFOLIA* C. DC., n. sp.

Omnino glabra; foliis breviter petiolatis, limbo oblongo basi inaequilatera utrinque rotundato apice acute et sat longe acuminato, penninervio, margine serrato dentibus subulatis; cyma terminali dichotome ramosa; floris masc. sepalis 2 rotundato-ovatis basi cordatis margine integris, petalis 2 oblongis integris apice acutis, staminibus liberis numerosis, antheris oblongis quam filamenta paullo brevioribus; floris fem. lobis 5 oblongo-ovatis integris, ovario 3-loculari, placentis bipartitis lamellis utrinque ovuliferis, stilis 3 persistentibus inferne breviter connatis superne inaequilater trifidis, laciniis spiraliter papilliferis, capsulae oblongo-ovatae ala maxima oblongo-ovata apice rotundata.

Caulis erectus usque ad 6 mm. crassus in sicco coriaceus. Limbi in sicco membranacei usque ad 10.5 cm. longi et 3.5 cm. lati, stomata in facie infera glomerulata, cystolitha et cystosphaeria nulla. Petioli usque ad limbi latus longius et inter limbi latera 3 mm. longi. Floris masc. sepala usque ad 12 mm. longa et 7 mm. lata, petala angustiora.

Floris fem. lobi 2 externi 1 cm. longi et 5 mm. lati, 2 interni aequilongi et angustiores, quintus alius multo minor, capsulae 12 mm. longae pedicellus circiter 13 mm. longus, ala maxima superne 6 mm. lata, aliae marginiformes.—Species sectionis *Begoniella* A. DC.

PANAMA: Vicinity of San Felix, eastern Chiriquí, alt. 0-120 m., *H. Pittier* 5126 (type). Railroad relocation between Gorgona and Gatún, Canal Zone, alt. 10-50 m., *Pittier* 2258.

14. **BEGONIA CHIRIQUINA** C. DC., n. sp.

Omnino glabra; foliis modice petiolatis, limbo ovato-oblongo basi inaequilatera utrinque rotundato apice acute acuminato margine acute denticulato, penninervio; cymis dichotome ramulosis paucifloris; floris masc. sepalis 2 rotundato-reniformibus integris basi cordatis, petalis nullis, staminibus liberis numerosis, antheris oblongis filamenta fere aequantibus apice connectivo producto obtuse apiculatis; floris fem. lobis 2 rotundatis integris, stilibus 3 caducis inferne connatis superne bifidis, sub laciniis linearibus inflatis et papilliferis laciniisque spiralter papilliferis, ovario glabro 3-loculari, placentis integris, capsulae obovatae 3-alatae ala maxima ovata subadscendente apice obtusa, secunda et tertia marginiformibus.

Caulis erectus in sicco teres durus et rubescens 2.5 mm. crassus. Folia alterna. Limbi in sicco rigide membranacei 9 cm. longi 3.5 cm. lati, cystolitha et cystosphaeria nulla, stomata in facie infera plerumque binata. Petioli 1 cm. longi; stipulae oblongo-ovatae apice acuminatae, fere 1 cm. longae. Floris masc. sepala 5 mm. longa et 8 mm. lata, antherae rimis dehiscentes; floris fem. juvenilis lobi 2 mm. longi, capsulae 1 cm. longae ala maxima 1 cm. longa.

PANAMA: Humid forest of Cuesta de las Palmas, southern slope of Cerro de la Horqueta, Chiriquí, alt. 1700-2000 m., *H. Pittier*, sine numero.

15. **BEGONIA CHEPOENSIS** C. DC., n. sp.

Caule glabro; foliis petiolatis, limbo oblongo-ovato basi inaequilatera altero latere rotundato altero acuto, apice acute acuminato, supra parce piloso subtus glabro, penninervio, margine dentato serratoque dentibus dentulisque apice subulatis; cymis dichotome ramosis glabris, floris masc. tenuiter pedicellati sepalis 2 ovatis integris glabris, petalis nullis, staminibus in columna tenui glabra insertis, antheris quam filamenta brevioribus ovatis apice connectivo producto mucronulatis; floris fem. bracteolis 2 obovatis apice acutis margine acute serratis fulti lobis 5 anguste lanceolatis integris glabris, stilibus 3 persistentibus breviter connatis apice bifidis laciniis spiralter

papilliferis, ovario 3-loculari glabro, placentis bipartitis lamellis utrinque ovuliferis; capsulae ovatae 3-alatae glabrae ala maxima horizontaliter triangulari apice subacuta, secunda fere conformi apice magis obtusa, tertia multo minore marginiformi, seminibus minutis ellipticis basi et apice rotundatis.

Herba circiter 45 cm. alta, radix fibrosa, caulis ramosus inferne usque ad 5 cm. crassus. Folia alterna. Limbi in sicco membranacei, foliorum superiorum 2 cm. inferiorum 5.5 cm. longi et 1-2 cm. lati, stomata in facie infera glomerulatim disposita, cystolitha et cystosphaeria nulla. Petioli 1-11 mm. longi. Floris masc. sepala 3.5 mm. longa et 2 mm. lata, antherae paullo ultra 0.5 mm. longae rimis dehiscentes; floris fem. pedicellus usque ad 2.5 mm., capsulae usque ad 4 cm. longus, capsulae 3.5 mm. longae ala maxima 5 mm. longa.

PANAMA: Along Chararé River near Chepo, Province of Panama, alt. 50-200 m., *H. Pittier* 4713.

16. *BEGONIA CAUDILIMBA* C. DC., n. sp.

Foliis e rhizomate longe petiolatis, limbo paullo supra  $\frac{1}{4}$  longitudinis suae peltato ovato apice longe et acute acuminato, superne 3-dentato, supra glabro subtus ut petiolus longe piloso; cyma in apice scapi longi longe et parce pilosa dichotome ramosa, capsula sat longe pedicellata ovata glabra 3-alata, ala maxima rotundata, stilis 3 persistentibus inferne connatis superne bifidis, laciniis spiraliter papilliferis; seminibus minutis obovatis.

Folia alterna. Limbi in sicco membranacei usque ad 19 cm. longi et 8 cm. lati, stomata in facie infera 3-4-glomerulata, cystolitha nulla, cellulae spiculares in mesophyllo crebrae. Petioli usque ad 20 cm. longi. Scapus in vivo ruber, in sicco fuscescens, 45 cm. longus. Pedicelli usque ad 12 mm. longi tenues, capsulae 8 mm. longae ala maxima usque ad 8 mm. lata, placentae bipartitae.

PANAMA: Forest along the Río Indio de Gatún, Canal Zone, near sea-level, *W. R. Maxon* 4866.

17. *BEGONIA UDISILVESTRIS* C. DC., n. sp.

Omnino glabra; foliis longe petiolatis, limbo oblongo-ovato basi valde inaequilatera cordato apice longissime et acute acuminato, margine praesertim superne acute serrulato, palmatinervio, petiolo verruculoso; cymis axillaribus quam petioli paullo brevioribus; floris masc. sepalis 2 rotundatis integris, petalis 2 obovatis integris, staminibus liberis, antheris oblongis quam filamenta brevioribus; floris fem. trilobi lobis integris, 2 externis rotundatis tertio elliptico-lanceolato, stilis caducis 3 inferne connatis superne bifidis, infra lacinias

extus elatis papilliferis laciniisque ipsis spiraliter papilliferis, ovario glabro basi et apice attenuato 3-alato, alis marginiformibus quorum 2 aequales et tertia multo angustior, placentis in loculo 2 utrinque ovuliferis et ex angulo segregatis, capsula ovata apice in rostellum attenuata, seminibus ellipticis.

Caulis erectus ultra 30 cm. altus in sicco coriaceus usque ad 5 mm. crassus. Folia alterna. Limbi in sicco subcoriacei usque ad 11.5 cm. longi et 6.5 cm. lati margine et subtus ad nervos rubescentes, stomata in facie infera sparsa, cystolitha et cystosphaeria nulla. Petioli usque ad 11 cm. longi, in sicco rubri et verruculis pallidis conspersi. Pedicelli usque ad 1 cm. longi. Floris masc. sepala 5 mm. longa lataque, petala 4 mm. longa, 2 mm. lata, antherae paullulo ultra 0.5 mm. longae rimis dehiscentes. Floris fem. lobi externi fere 5 mm. longi et 3.5 mm. lati, capsula 1 cm. longa et 5 mm. lata angulis dehiscens.—Species sectionis *Casparya* Warb., floribus fem. 3-lobis ab aliis discrepans.

PANAMA: Humid forest of Cuesta de las Palmas, southern slope of Cerro de la Horqueta, Chiriquí, alt. 1700-2000 m., *H. Pittier* 3249.

18. *BEGONIA PARCIFOLIA* C. DC., n. sp.

Caule haud dense villosus; foliis paucis longe petiolatis, limbo oblique rotundato-elliptico basi cordato apice breviter acuminato margine breviter dentato serratoque, palmatinervio utrinque et subtus densius villosus; cyma villosa, bracteis caducis villosis; floris masc. sepalis 2 rotundatis petalisque 2 obovatis integris glabris, staminibus liberis, antheris ellipticis quam filamenta brevioribus; floris fem. 5-lobi lobis integris glabris, quorum externi 2 obovati, interni 2 rotundato-obovati et paullo breviores, quintus obovatus multo brevior, stilis 3 inferne connatis bifidis sub laciniis externe elatis et papilliferis, laciniis ipsis spiraliter papilliferis, ovario glabro, capsulae glabrae rotundatae ala maxima falcata apice horizontaliter subacuta media rotundata, tertia marginiformi.

Caulis circiter 36 cm. altus. Limbi in sicco membranacei circiter 7 cm. longi et 10 cm. lati, stomata in facie infera sparsa, cystolitha nulla. Petioli 10 cm. longi. Floris masc. sepala 5 mm. longa et 6 mm. lata, petala 3 mm. longa et paullo ultra 2 mm. lata, antherae 1 mm. longae rimis dehiscentes; floris fem. in vivo albi lobi 2 externi 6.5 mm. longi et 4.5 mm. lati, interni 2-2.6 mm. longi et 5 mm. lati; capsulae 3-locularis pedicellus 12 mm. longus, placentae 2-partitae, lamellae utrinque ovuliferae, ala maxima fere 10 mm. longa et basi 7 mm. lata, semina elliptica obtusa.

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