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WITH FOURTEEN PLATES AND ONE HUNDRED AND SIXTY-THREE FIGURES

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ERRATA

P. 53, line 14 from top, begin new sentence with Vexillum.
P. 58, line 10 from top, for Comarea read Comarca.
P. 60, first line, for glandula read glandulae.
P. 60, line 5 from top, for purpurpascentes read purpurascentes.
P. 184, last line, for solutions read solution.
Pp. 189 and 191, exchange legends of fig. 8 and fig. 9.
P. 261, line 18 from top, for fungus read fungous.
Pp. 289, 290, 293, tables VI, VII, VIII, last column, for (total control) read (total-control).

UNDESCRIBED PLANTS FROM GUATEMALA AND OTHER CENTRAL AMERICAN REPUBLICS XXXVII[1]

JOHN DONNELL SMITH

Abutilon Pittieri Donn. Sm.—Folia orbiculari-obovata cuspidata basi obtusa integra supra pilis simplicibus aspersa subtus stellato-pubescentia. Pedunculi in axillis supremis singuli graciles. Petala calyce bis et ultra genitalibus bis longiora. Ovarium globosum 10-loculare.

Ramuli lignosi et petioli stipulae pedunculi calyces stellato-pubescentes. Folia nascentia ochraceo-tomentosa, adulta supra glabrescentia 5–7 cm. longa 4–6 cm. lata 7-nervia, nervis ceteris lateralibus utrinque 4–5, venis transversis subparallelis, petiolis 1.5–3 cm. longis, stipulis filiformibus 8 mm. longis caducis. Pedunculi 3–4 cm. longi tenues paulo infra apicem articulati. Calyx hemisphaericus pentagonus 12 mm. longus, lobis deltoideo-ovatis 5 mm. longis apiculatis. Petala in sicco flavescentia basi purpureo-maculata cuneato-obovata 28–30 mm. longa 21–22 mm. lata biloba, margine basi piloso. Tubus stamineus pubescens cylindricus 7 mm. longus filamenta aequans. Ovarium 5 mm.-diametrale muticum pilosum, loculis 3-ovulatis, stylis stamina aequantibus ad 2 mm. coalitis. Capsula ignota.

El Puente prope vicum *Las Canoas* dictum, Depart. Guatemala, Guatemala, alt. 500 m., Apr. 1905, *H. Pittier* n. 138.—Typus in herbario Musei Nationalis numero proprio 472792 signatus servatur.

Abutilon pleiopodum Donn. Sm.—Folia longe petiolata orbiculari-ovata acuta cordata vix ac ne vix lobata integra stellato-pubescentia. Pedunculi fasciculati, axillares racemiflori, terminales uniflori. Calycis partiti segmenta cum petalis dimidio longioribus et genitalibus reflexa. Tubus stamineus conicus. Ovarium hemisphaericum 18–24-loculare.

Ex scheda cll. repertorum arbuscula, tota petalis et genitalibus neglectis stellato-tomentulosa flavicans. Folia supra sparsim subtus dense stellato-pubescentia nervis excurrentibus minutissime mucronulata 7–9-nervia, superiora 8–9.5 cm. longa 8–8.5 cm. lata nequaquam lobata, inferiora 19 cm. longa 16.5 cm. lata levissime triloba, petiolis 4–10.5 cm. longis, stipulis linearibus 12 mm. longis. Racemi 4–5-ni pedunculo 4–5 cm. longo computato 7–9 cm. longi, bracteis ovatis 3 mm. longis, pedicellis 4–7 mm. longis, floribus confertis.

[1] Continued from BOT. GAZ. **55**: 438. 1913.

Rami lignosi teretes, setis glandula insidentibus patentibus purpureis. Folia glabra 12–17 cm. longa atque lata usque ad medium acute lobata sinu rotundata 7-nervia paulo supra basin triplinervia, petiolo 5–7.5 cm. longo parcius setuloso. Pedunculi foliis minoribus fulti erecti robusti teretes purpurpascentes glabrescentes 8.5–13 cm. longi, pedicellis cum calyce continuis prope basin bracteis binis lanceolato-ovatis 5 mm. longis munitis, fructiferis solum notis 3.5–4.5 cm. longis apice 7 mm. crassis. Sepala subcoriacea glabra ovalia obtusa vix mucrunculata, fructifera interiora 30–32 mm. longa, extimo 2 cm. longo 1.5 cm. lato. Capsula coriaceo-crustacea glabra 26 mm. longa 4-valvata, seminibus orbicularibus 12 mm.-diametralibus praeter marginem flavido-villosum glabris. Cetera desunt.—Ad *I. setosam* Lindl. proxime accedens.

Ad fundum *Sepacuite* vocatum, Depart. Alta Verapaz, Guatemala, Apr. 1902, *O. F. Cook* et *R. F. Griggs* n. 590.—Typus in herbario Musei Nationalis sub numero proprio 408299 exstat.

Cacabus hondurensis Donn. Sm.—Hispidus. Folia opposita subsessilia lanceolato-oblonga utrinque acuminata leviter crenata supra lepidota. Pedunculi utrinque axillares supra medium foliaceo-bibracteolati. Calyx triente dentatus. Corolla infundibularis ultra trientem lobata. Stamina 4, staminodio deficiente.

Exemplum unicum visum lignosum virgatum simplex 6.5 dm. longum pilis albidis patentibus hispidum supra medium foliis reductis racemiforme. Folia 9–13.5 cm. longa 2.5–3.5 cm. lata in eodem jugo inaequalia subtus nervis venisque hispidula in petiolum 6–7 mm. longum attenuata. Pedunculi foliis 3–6 cm. longis suffulti 1.5–2 cm. longi hispidi, bracteolis 1–1.5 cm. longis. Calyx campanulatus 2 cm. longus basi leviter retusus pentagonus 10-costatus viridis, dentibus triangularibus 7 mm. longis trinerviis margine uti costae hispidulis. Corolla ex cl. repertore alba, glabra 15-nervia picto-reticulata 3.25 cm. longa supra tubum 3 mm. longum sensim lateque ampliata, lobis rotundatis 13–14 mm. longis atque latis imbricatis. Filamenta supra corollae tubum inserta 6 mm. longa crassa basi vix dilatata, antheris medio affixis ovatis 4 mm. longis apiculatis. Ovarium globosum apiculatum, stylo stigmatibus oblongis 2.5 mm. longis additis 12.5 mm. longo. Bacca nimis immatura calyce fere 3 cm. longo inclusa sessilis 11 mm.-diametralis processu conico 2 mm. longo apiculata bilocularis, placentis bifidis. Semina ignota.—Species inter alia praesertim habitu distinctissima.

Llano de La Puerta prope Copán, Depart. Santa Bárbara, Honduras, alt. 900 m., Jan. 1907, *H. Pittier* n. 1828.—Typus in herb. Musei Nationalis sub numero proprio 578225 adest.

Salvia (§ BRACHYANTHAE Benth.; *Angustifoliae* Benth.) **Kellermanii** Donn. Sm.—Frutex totus absque corolla glaber. Folia

ovato-lanceolata basi cuneata calloso-serulata. Racemi foliis breviores, verticillastris approximatis 4–8-floris, bracteis oblongo-ovatis setaceo-acuminatis. Calyx 3-dentatus, dentibus anticis setaceo-acuminatis. Corolla calyce bis longior, tubo dimidio exserto.

Dichotomo-ramosa. Folia tantum superiora visa 6.5–8 cm. longa 2–2.5 cm. lata acuminata ad costam interdum barbata ceterum glaberrima subtus glandulis minutis aureis dense punctulata, nervis lateralibus utrinque 6–7, petiolis 4–5 mm. longis glandulosis. Racemi pedunculo 6–10 mm. longo addito 2.5–4 cm. longi, verticillastris 3–5 mm. remotis, bracteis 6 mm. longis 3 mm. latis seta 2 mm. longa cuspidatis ante anthesin deciduis, pedicellis 2–3 mm. longis. Calyx tubuloso-campanulatus 10 mm. longus 9-striatus glandulis aureis punctulatus, dentibus triangularibus acuminatis 3 mm. longis. Corolla 21 mm. longa supra calycem ventricosa triente bilabiata praeter galeam coeruleam pube articulata barbatam albida glabra. Discus glandulam ovario bis longiorem exserens. Stylus 22 mm. longus superne lateraliter pubescens, lobo antico 2 mm. longo, postico 1 mm. longo.

Santa Maria, Depart. Quezaltenango, Guatemala, Febr. 1906, *W. A. Kellerman* n. 5628.—Typus in herbario Musei Nationalis sub numero proprio 578705 asservatur.

Gaiadendron (§ ENGAIADENDRON Engl.) **poasense** Donn. Sm.—Folia ovata vel elliptica apice acuta basi rotundata vel acuta. Racemi terminales 2–3-ni vel in axillis superioribus singuli, ramis oppositis bialatis, bractea bracteolisque foliaceis calycem excedentibus, floribus 6–7-meris, lateralibus pedicellatis. Calyx integer.

Frutex terrestris erectus dichotomo-ramosus, ramis teretibus, ramulis angulatis. Folia omnia opposita plerumque ovata 4–5.5 cm. longa 2.5–3.3 cm. lata subtus nigro-punctulata et in sicco lutescentia margine revoluta, nervis praeter costam subobsoletis, petiolo 6–7 mm. longo. Racemi 7–9 cm. longi angulati, ramis omnibus oppositis 5–6 mm. longis, internodiis 7–9 mm. longis, bractea florem intermedium sessilem fulciente in ramum decurrente 6–13 mm. longa sicut bracteolae duae 5–6 mm. longae foliis consimili reflexa, floribus in sicco flavescentibus, lateralium pedicellis 2 mm. longis, alabastris obtusis. Calyx 4 mm. longus. Petala linearia 13 mm. longa genitalibus paulo longiora. Stamina usque ad medium petalorum adnata, alterna breviora, antheris oblongo-ellipticis 1.5 mm. longis. Ovarium oblongo-cylindraceum, stylo subulato. Fructus ignotus.—*G. Taguae* G. Don proximum.

Secus marginem lacus superioris in summo monte *Volcán Poás* dicto siti, Prov. Alajuela, Costa Rica, alt. 2600 m.; Jan. 1889, *H. Pittier* n. 814; Nov. 1896, *Ad. Tonduz* n. 10786.

Euphorbia (§ ANISOPHYLLUM Roeper) **bryophylla** Donn. Sm.—Caules prostrati, ramis ascendentibus nanis ramosis totis densissime imbricato-foliosis. Folia subsessilia lineari-lanceolata leviter inaequilatera. Involucra terminalia fasciculata, appendiculis binis suborbicularibus ceteras multoties superantibus.

Fruticulus, caulibus tenuibus tetragonis 1 dm. longis, internodiis 4–5 mm. longis, ramis approximatis e basi compacto-foliosis 2–3 cm. longis cano-pilosis prope basin ramosis, ramulis longe ascendentibus. Folia inferiora opposita, superiora alterna, nodis vix ullis invicem fere obtegentia membranacea superne denticulata obscure binervia herbaceo-venosa ciliata supra glabra sultus pilosa saepius erubescentia 4–5 mm. longa 1 mm. lata acuminata basi obtusiuscula. Involucra subsessilia 3–7-subcapitulata turbinata 1 mm. longa pilosa, glandulis 4 transverse oblongis, appendiculis majoribus 1 mm.-diametralibus basi latere altero auriculatis crenulatis sanguineis, ceteris minutis arcuatis. Perianthium feminimum ovale pilosum, stylis distinctis sanguineis breviter bifidis. Capsula seminaque ignota.

Santa Rosa inter Salamá et Purulá, Depart. Baja Verapaz, Guatemala, alt. 1700 m., Jun. 1904, *O. F. Cook* n. 225.—Typus in herb. Musei Nationalis numero proprio 860325 signatus servatur.

BALTIMORE, MARYLAND