Allen Coombes

email 7 July 2015

Det by campo debe decir

Allen Coombes (from photo, email of 7 July 2015)

menos en los casos indicados

20930 Plantaginaceae *Digitalis purpurea* L.

20931 Campanulaceae [*Centropogon* *grandidentatus* (Schltdl.) Zahlbr.](http://www.theplantlist.org/tpl1.1/record/kew-367035)

20932 Solanaceae *Solanum* sp.

20933 Boraginaceae *Tournefortia* sp.

20934 Hydrangeaceae *Philadelphus* sp.

20935 Urticaceae *Urera* sp.

20936 Campanulaceae *Campanula* cf. *rapunculoides* L.

- not recorded for Mexico but a potential weed

20937 Asteraceae *Leucanthemum* *vulgare* (Vaill.) Lam.

20938 Ericaceae *Gaultheria* sp.

20939 Passifloraceae *Passiflora* sp. sent

20940 Annonaceae Pendiente

20941 Leguminosae *Senna* sp.

20942 Myrsinaceae Pendiente

20943 Rosaceae [*Duchesnea* *indica* (Jacks.) Focke](http://www.theplantlist.org/tpl1.1/record/rjp-804)

20944 Solanaceae *Nicandra* *physalodes* (L.) Gaertn.

20945 Amaranthaceae *Iresine* sp.

20946 Asteraceae *Erigeron* sp.

20947 Oxalidaceae *Oxalis* sp.

20948 Dipentodontaceae *Perrottetia* sp.

20949 Sapindaceae *Billia hippocastanum* Peyr.

20950 Asparagaceae *Maianthemum* *macrophyllum* (M.Martens & Galeotti)

20951 Urticaceae Pendiente

20952 Dryopteridaceae *Phanerophlebia remotispora* E. Fourn

Det. by Daniel Tejero (from photo, email of 4 Aug. 2015)

20953 Saxifragaceae *Heuchera* sp.

20954 Ericaceae *Agarista* *mexicana* (Hemsl.) Judd

20955 Piperaceae *Peperomia* cf. *mexicana* (Miq.) Miq.

Det by Jonathan D. Amith (from photo, 8 July 2015)

**DRYOPTERIDACEAE**

20956 Polypodiaceae *Campyloneuron angustifolium* (Sw.) Fée
Det. by Daniel Tejero (from photo, email of 4 Aug. 2015)

20957 Arecaceae *Chamaedorea* sp.

20958 Aquifoliaceae *Ilex* cf. *condensata* Turcz.

20959 Bromeliaceae Pendiente

20960 Amaranthaceae *Dysphania* *ambrosioides* (L.) Mosyakin & Clemants

20961 Pinaceae *Pinus* *chiapensis* (Martínez) Andresen

20962 Cactaceae [*Disocactus* *ackermannii* (Haw.) Ralf Bauer](http://www.theplantlist.org/tpl1.1/record/kew-2773063)

(Lucio collected this last year between Zacapoaxtla and Cuetzalan)

20963 Araceae *Xanthosoma* sp.

20964 Orchidaceae [*Prosthechea* *cochleata* (L.) W.E.Higgins](http://www.theplantlist.org/tpl1.1/record/kew-165818)

Det by Gerardo Salazar (from photo, email of 8 July 2015)

20965 Verbenaceae *Verbena carolina* L.

20966 Orchidaceae [*Lycaste* *deppei* (Lodd. ex Lindl.) Lindl.](http://www.theplantlist.org/tpl1.1/record/kew-115757)

Det by Gerardo Salazar (from photo, email of 8 July 2015)

20967 Urticaceae [*Pilea* *pubescens* Liebm.](http://www.theplantlist.org/tpl1.1/record/kew-2546565)

20968 Piperaceae *Piper* sp.

20969 Pteridaceae *Pteris quadriaurita* Retz.

Det. by Daniel Tejero (from photo, email of 4 Aug. 2015)

NOTA: Posible nueva dist. a Puebla

20970 Piperaceae *Piper* sp.

20971 Cactaceae *Opuntia* sp.

20972 Commelinaceae *Gibasis* sp.

20973 Rubiaceae *Psychotria* sp.

Det by: Douglas Stevens (from photo, email of 8 July 2015)

20974 Asteraceae Pendiente

20975 Asteraceae Pendiente

20976 Rubiaceae *Sommera aborescens* Schldl.

Det. by David Lorence (from photo, email of 8 July 2015)

NOTE: " The first two [photos] key out to Sommera arborescens Schltdl. in my Flora Mesoamericana treatment of the genus.  It is known from Veracruz, Oaxaca, Chiapas, and Guatemala.  This may be a new record for Puebla.

20977 Salicaceae Pendiente

20978 Amaranthaceae *Chenopodium* sp.

Det by: Douglas Stevens (from photo, email of 8 July 2015)

20979 Brassicaceae [*Sisymbrium* *officinale* (L.) Scop.](http://www.theplantlist.org/tpl1.1/record/kew-2474949)

20980 Gesneriaceae *Moussonia* *deppeana* (Schltdl. & Cham.) Klotzsch ex Hanst.

20981 Piperaceae *Peperomia* sp.

20982 Menispermaceae *Cissampelos* *pareira* L.

20983 Melastomataceae Pendiente

20984 [Athyriaceae](https://en.wikipedia.org/wiki/Athyriaceae) *Diplazium franconis*  Liebm.

Det. by Daniel Tejero (from photo, email of 4 Aug. 2015)

20985 [Dryopteridaceae](http://www.theplantlist.org/1.1/browse/P/Dryopteridaceae/) *Phanerophlebia remotispora* E. Fourn.

Det. by Daniel Tejero (from photo, email of 4 Aug. 2015)

20986 Myrsinaceae Pendiente

20987 Rubiaceae Pendiente

20988 Orchidaceae *Malaxis* *excavata* (Lindl.) Kuntze

Det by Gerardo Salazar (from photo, email of 8 July 2015)

20989 Arecaceae *Chamaedorea* sp.

20990 Gesneriaceae *Solenophora* sp.

20991 Rosaceae *Prunus* sp.

Det by Pedro Acevedo (from photo, email of 10 July 2015)

F. Almeda 21 July 2015 added: "**OK, I agree that this can be a *Prunus* --- try *Prunus barbatus* or *Prunus tetradenia*!"**

20992 Piperaceae *Peperomia* *peltilimba* C.DC. ex Trel.

Det by Guido Mathieu (from photo, email of 9 July 2015)

20993 Orchidaceae [*Brassia* *verrucosa* Bateman ex Lindl.](http://www.theplantlist.org/tpl1.1/record/kew-24313)

Det by Gerardo Salazar (from photo, email of 8 July 2015)

20994 Chrysobalanaceae *Hirtella* cf. *racemosa* Lam.

Det. by Frank Almeda (from photo, email of 15 July 2015)

Frank Alemeda agregó en su correo

**Jonathan,**

**I was away from email while on a recent short trip. I am just now checking the email backlog. I just took a look at the two images that were attached to this message. A wild guess would be Chrysobalanaceae –maybe a species of *Hirtella* (perhaps *H. racemosa*). I cannot see the details one would need to clench a determination for one this because one usually needs both floral and fruit characters in this family. The fruits in *Hirtella* are unilocular so you may want to check them if you have sufficient quantity.**

**Frank**

**And on 21 July 2015 F. Almeda added: "I also looked again at those images that I thought were *Hirtella*  and Paul Berry thought were *Capparis.* I cannot see a gynophore but they do have long pedicels that could be mistaken for a gynophore. Take a close look at the specimens to check this out."**

20995 Loganiaceae *Spigelia* *humboldtiana* Cham. & Schltdl.

20996 Bromeliaceae Pendiente

20997 Piperaceae *Peperomia* *quadrifolia* (L.) Kunth

Det by Guido Mathieu (from photo, email of 9 July 2015)

20998 Bromeliaceae Pendiente

20999 Orchidaceae *Jacquiniella* *leucomelana* (Rchb.f.) Schltr.

Det by Gerardo Salazar (from photo, email of 13 July 2015)

21000 Rubiaceae *Hillia tetrandra* Sw.

21001 Acanthaceae *Spathacanthus* cf. *hahnianus* Baill.

Det. by Tom Daniel (from photo, email of 9 July 2015)

En su correo de 9 julio T. Daniel dijo: "Looks to be an acanth to me too, and I would say Spathacanthus, a genus I monographed somewhere along the way. I attach that paper (see map) and some photos of the Costa Rican species, S. hoffmannii (see the resemblance of flowers?). Sort of need to measure things to key properly, but based on locale, your plant would probably be S. hahnianus (though corolla does not appear very yellow to me, perhaps it is “cream”? or maybe I discussed color variation in the monograph). A couple of years ago, a new species of Spathacanthus was described from Veracruz; I did not think it differed from S. hahnianus based on the characters provided in the protologue of that species, but I have not seen the type or any other materials identified as that new species. If it is indeed distinct, perhaps your plant is that. Will probably have to await specimens."

21002 Salicaceae *Pleuranthodendron lindenii*(Turcz.) Sleumer

Det. by Frank Almeda (from photo, email of 22 July 2015)

21003 Salicaceae *Caesaria* *corymbosa* Kunth

Det. by Mac Alford (from photo, email of 5 August 2015)

21004 Cyclanthaceae  *Asplundia liebmannii*Harling

Barry Hammel (from photo, email of 10 July 2015)

En su correo dijo> "Well, I can see some characters, like the thick lateral nerves running right in the margin and the relative length of tepals and stigmas, that help me to choose between those two and *A. liebmannii*wins.  Do you know anything about the habit of the plant, i.e. was it a climber or more or less free standing?  My choice of species predicts that it would be the latter."

 *Asplundia* *labela* (R.E.Schult.) Harling

Det. by Douglas Stevens (from photo, email of 10 July 2015)

21005 Piperaceae *Peperomia* *maculosa* (L.) Hook.

Det by Guido Mathieu (from photo, email of 9 July 2015)

21006 Asteraceae *Smallanthus* *maculatus* (Cav.) H.Rob.

21007 Lauraceae Pendiente

21008 Asteraceae *Mikania* sp.

21009 Orchidaceae *Lepanthes* *avis* Rchb.f.

Me parece casi seguro que es Lepanthes avis, pero falta una flor de frente para confirmar.

Det by Gerardo Salazar (from photo, email of 8 July 2015)

21010 Ericaceae Pendiente

21011 Salicaceae *Abatia* *mexicana* Standl.

Det. by Douglas Stevens (from photo, email of 10 July 2015)

21012 Valerianaceae *Valeriana* sp.

21013 Solanaceae *Solanum* sp.

21014 Solanaceae *Witheringia* sp.

21015 Solanaceae *Witheringia* sp.

21016 Smilacaceae *Smilax* sp.

21017 Oleaceae *Forestiera* sp.

21018 Onagraceae *Fuchsia* *microphylla* subsp. ? *hidalgensis* (Munz) Breedlove

21019 Urticaceae *Pouzolzia* cf. *purpusii* Brandegee or *Pouzolzia* cf. *guatemalana* (Blume)Wedd.

Det by Alexandre Moreno (from photo, email of 14 July 2015)

21020 Piperaceae *Peperomia* *arboricola* C. DC.

Det by Guido Mathieu (from photo, email of 9 July 2015)

21021 Verbenaceae *Citharexylum* sp.

21022 Orchidaceae *Rhynchostele* *cordata* (Lindl.) Soto Arenas & Salazar

Det by Gerardo Salazar (from photo, email of 8 July 2015)

21023 Piperaceae *Peperomia* *leptophylla* Miq.

Det by Guido Mathieu (from photo, email of 9 July 2015)

21024 Asteraceae Pending

21025 Rubiaceae *Randia* cf. *laetevirens* Standl. (o R. xalapensis M. Martens & Galeotti)

Det. by David Lorence (from photo, email of 8 July 2015)

NOTE: "  I didn't notice any spines, but if the plant is unarmed it is probably R. laetevirens Standl.  If it has spines it is likely Randia xalapensis M. Martens & Galeotti. The two species are quite similar and both occur in your region.

21026 Picramniaceae *Picramnia* sp.

21027 Podocarpaceae Podocarpus matudae Lundell (female)

21028 Myrtaceae Pendiente

21029 Sapindaceae Billia hippocastanum

21030 Lauraceae Pendiente

21031 Solanaceae *Solanum* sp.

21032 Orchidaceae [*Isochilus* *unilateralis* B.L.Rob.](http://www.theplantlist.org/tpl1.1/record/kew-102879)

Det by Gerardo Salazar (from photo, email of 13 July 2015)

21033 Orchidaceae [*Isochilus* *unilateralis* B.L.Rob.](http://www.theplantlist.org/tpl1.1/record/kew-102879)

Det by Gerardo Salazar (from photo, email of 13 July 2015)

21034 Orchidaceae [*Epidendrum* *longipetalum* A.Rich. & Galeotti](http://www.theplantlist.org/tpl1.1/record/kew-68831)

Det by Gerardo Salazar (from photo, email of 8 July 2015)

21035 Orchidaceae *Lepanthes* *rekoi* R.E.Schult.

Este parece Lepanthes rekoi.

Det by Gerardo Salazar (from photo, email of 8 July 2015)

21036 Cactaceae *Pseudorhipsalis* *ramulosa* (Salm-Dyck) Barthlott

21037 Bromeliacae Tillandsia ?

21038 Bromeliacae Tillandsia ?

21039 Orchidaceae Prosthechea cf. panthera [(Rchb.f.) Schltr.](http://www.theplantlist.org/tpl1.1/record/kew-67197)

Det by Gerardo Salazar (from photo, email of 8 July 2015)

Esta es interesante, pues aunque lo que yo esperaría de ahí es Prosthechea ochracea, que tiene inflorescencias densas con sépalos y pétalos de color homogéneo, esta planta tiene inflorescencia laxa y manchas en los segmentos florales. Parecería Prosthechea panthera, aunque es necesario examinar el ejemplar, incluyendo las partes vegetativas de la planta, para estar seguro, pues P. panthera solo se conoce de Chiapas y Guatemala.

21040 Rutaceae *Zanthoxylum* sp.

Det by Pedro Acevedo (from photo, email of 10 July 2015)

21041 Boraginaceae *Tournefortia* sp.

21042 Myrsinaceae ? *Parathesis* sp.

Det by Jon Ricketson (from photo, email of 9 July 2015)

In email from 9 July 2015: Truthfully Jonanthan from the pictures, I am not sure.  My guess is a Parathesis, but am not seeing the reflexed petals I would expect.  This maybe age or just the picture.  Will need to see it in person to be sure.

21043 Piperaceae *Peperomia* sp.

21044 Orchidaceae *Sobralia macrantha* [Lindl.](http://www.theplantlist.org/tpl1.1/record/kew-192690)

Det by Gerardo Salazar (from photo, email of 8 July 2015)

21045 Lauraceae Pendiente

21046 Violaceae *Rinorea* *guatemalensis* (S. Watson) Bartlett

Det. by Douglas Stevens (from photo, email of 13 July 2015)

21047 Malvaceae *Pavonia* *schiedeana* Steud.