

RECORD

179
CRAT
BOT
Plowman
015

TIMOTHY PLOWMAN
BOTANICAL MUSEUM
HARVARD UNIVERSITY
CAMBRIDGE, MASS. 02138



Start at 7361.

Amazonas 799

Oficina Villa Sol

USDA Plant Inspection House

P.O. Box 59-2136

MIAMI FLA 33159

Permit # 37-43767

Huasi Huatana - tsumhi delgada
grows from neck of the male
grands.

Mouth of Rio Pajaten - Indios Hibitos

Def

Apr 13, 1979

(348) specimens to institutions
other than Field Museum.

JUN 26 1978

Collectors: T. Plowman + J. Schunke-V.

Peru: Dept. Huánuco - Prov. Leoncio Prado. Dto. Hénilio Veldizán. La Divisoria. Road from Puma-huasi to la Cumbre. Alt. 1600-1660 m. Montane forest.
26 Jun 1978.

4361. Zanthoxylum riedelianum Engl. ^{vel sp. aff.} Rutec.
(7) Tree 6-7 m. tall. FRs. lt. green turning red, shiny, aromatic.
USM MO K det. R. Gerezu 1986.
E ANA Phyto/acc.

4362. Hilleria longifolia (H. Wolt.) Heimerl
(5) Shrub 1.5-2 m. in forest. Lvs. dark green above, - red-purple beneath. Infl. racios yellow-green. FRs. deep yellow throughout.
USM K det. T. Plowman 1981.
U MO

4363. Asplenium repandulum Kze. Fern.
(4) Epiphyte climbing fern on tree-trunk. Rhizome appressed, vertically ascending. det. R. Stölze 1980.
USM G
U F

4364. Rhodospatha LATIFOLIA SCHOTT Arac.
2+1 Climbing epiphyte. Nearly mature spathe greenish yellow. Spadix salmon pink. DET. T. Croat 1988
1 fertile
USM
F (2)

JUN 26 1978

7365. Acalypha stachyura Pax

F USM (5) Small tree 4 m. tall in forest.
U DAVIS Fls. pale green. Stigmas red.
det. W. Punt 1980.

7366. Quararibea

(1) Bombacaceae
F Fls. on forest floor only. Calyx
tawny. Petals pink-orange.
Androphore cream Anthers orange.

7367. Selenicium (Lycianthes)

(2) Thrub 2 m. tall in forest.
F USM Fls. pendulous, calyx pale green.
F Petals white.

7368. [Psychotria] Cephaelis leucantha (Krauss) Steudl.

(2) Shrub 80 cm tall. Lvs. rubbery.
F USM Stem dark green. Petals light green.
F Bracts ^{flash?} pale green. Ovary cream.
Corolla white. det. J. A. Kirkbride 1979.
→ B. serrata (Kuhn) Ching det. Hennipman '8

7369. Belbitis serratifolia (Mert. ex Kl.) Schott

F USM (3) fern growing on craggy rocks on
F U fertile forest floor. Lfs. dimorphic.

7370. Neea

(4) ^{GH} Shrub 1.5-2 m. Lfs. soft-rubbery.
F USM U Infl. ^{axis} yellow green. Perianth dull red.
F

tinctoria R. + P.

det T Plowman
1986.
JUN 26 1978

7371. Psychotria sp. aff. P. victoricae Standl.
F. (1) Shrub 2m. Bracts fleshy, pale
unicate green. Ripe fruit sky blue. FR. dark
purple. det. P. Matekaitis 1983 also see
P. guianensis

7372. Hoffmannia villosula Standl.
USM (6) Shrub 2m. tall. Berries
US VEN red, In forest. det J. Kirkbride
F MO 1978

7373. Solanum albidum
(4) Treelet 3 m. in open roadside.
USM Twigs dark blue-purple, pruinose.
MO Lfs. shiny dark green above,
F whitish beneath. Pedicel + calyx
U cream. Petals white. Anthers
yellow. Pistil lt. green.

7374. Rudgea sp. Rubiac.
(1) Shrub 2.5 m. Ovary cream.
USM Calyx pale greenish yellow.
F US MO Corolla fleshy, cream in bud,
U K det. J. Kirkbride 1978

7375. Drymonia urceolata Wehler
(3) Herb 1m. tall, terrestrial.
USM Stems quadrangular, sub-ulate.
F Petiole reddish. Bracts, pedicel
SEL calyx magenta. Corolla lt. red, lobes
axially yellow within.
det. H. Wichter 1978.

JUN 26 1978

latifolius F. Wimmer det B. Stein '88

f376. Centropogon cf. granulosus Presl.

(5) Erect unbranched herb to 1.5 m.

USM
F
AAR
U
MICH


Stems brittle, with white latex.
Lvs. dull, dark green above, pale purple beneath. Pedicels purple.
Ovary greenish purple. Sepals green. Corolla tube red orange, lobes deep yellow. Androphore pale yellow. det. P. Matakaitis 1983

f377. Asplenium oligophyllum Klf.

(1) Terrestrial herb with one leaf. det. R. G. Stolze 1979

USM

f378. Anthurium trilobum André

(3) Epiphyte. Lvs. shiny dark green above with knife-edged major nerves, secondary nerves impressed. Lvs. shiny, yellow green beneath. Petiole  in section. Peduncle subterete with 2 ribs on spathe side. Spathe reflexed, lt. green - Spadix yellow green, turning brown. Infl. erect. det. T. Plummer 1979

USM
F-12



JUN 26 1978

7379. Faramea miconioides Standl.

(3)
USM
US
F

Shrub 2-3 m. tall, frequent
Lfs. bullate, ~~lateral~~ lateral nerves
impressed. Infl. rachis pale green.
Pedicels + ovary pale blue.
Corolla tube pale blue, lobes sky
blue. det. J. Kirkbride 1978.

7380. Erythroxylum sp. nov. "Schunkei"

(1)
unicate

(F)

Sparsely branched shrub
1-1.5 m. tall. Only 2 specimens
seen in steep hillside primary forest.
Twigs ~~dark brown~~ ^{pale green} striately ridged.
Stipules ~~to~~ ^{to} ~~estriate~~ ^{estriate}, 3-stulose,
setuli drying soon, turning black;
lvs. membranaceous, shiny
medium green above; pale glaucous
green beneath, cuneate, areolar
region tending to be more yellowish
green. Midrib + major nerves
+ veins yellow green, prominulous, veinlets
less distinct.

JUN 26 1978

7381. Dichorisandra sp. Commelinac.

unicate
F

(1) Erect unbranched herb 45 cm. tall.
Lf. sub-shiny dark green above,
paler green beneath. No flowers.
Inf. axis green.

7382. Hoffmannia latifolia (Bartl.) Kuntze

unicate
F

(1) Shrub 1.5 m. tall. Inf.
axis dark red. FRs. magenta.
det. D. Simpson 1980.

7383.

USM
AMEB

(2) Terr. herb in forest. Orchid
Lvs. dark velvety green above, pale green beneath.
Scape brown. ~~Sepals~~ Sepals tan. Lip white.

7384. Peperomia martiana Mig. det. R. Callejas 1985.

USM
F
U

(3) Epiphyte on fallen tree trunk.
Lvs. green above, pale green beneath
with dark red blush. Stems speckled
with dark red spots. Spikes pale green.

7385.

Rubiace.

unicate
USM
F

(1) Climbing vine appressed to
tree trunk. Pedicel + ovary
dark blue. Corolla tube bluish
green; lobes ~~are~~ adaxially
emerald green.

JUN 26 1978

7386. Begonia

(3) Fragile Scandent herb to 1 m. Bracts
USM shiny, pale green. Infl. pale green.
GH Pedicel + perianth pale pink.
F prob. sp. nov.

7387. Maranta sp. aff. M. divaricata Rosc.

(2) Erect rhizomatous herb in
USM primary forest - Sterile. Lvs. dark
F green above, pale glaucous green
beneath. Rhizome bearing
2 stalks. det. H. Kennedy 1979.

7388. Peperomia

(1) Erect epiphytic herb. Stems
unicate purple-black. Lvs. dark green above
F with impressed nerves, pale
green beneath. Spikes cream.

7389. Heliconia fugax Andersson

(2) Herb 1.8 m. tall. Lvs.
unicate dull green above, slightly paler & shiny
F beneath. Peduncle yellow-green. Infl.
F-2 erect, nearly plane, axis red-
bracts light red, the keel abaxially
olive green. Fls. post.
det. ~~F.H.~~ L. Andersson 1984

7390. Begonia

(3)

USM
GH
F

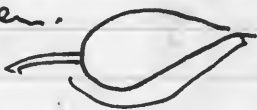
Scandent sprawling vine. Lvs. very dark green above, pale green beneath. Infl. rachis yellowish green. Perianth white.

7391. Peperomia

(4)

USM
F live-AI
U
SEL

Erect terrestrial herb. Stems dark brown. Lvs. dark green, dull above, pale green beneath. Petioles pale green. Infl. green. Peduncle reddish at base.



7392.

Bambuseae

(6)

USM MO
US U
F K

Sprawling bamboo forming thickets. Spikelets yellowish green

7393. Epidendrum

(3)
live

Terrestrial herb on steep hillside, forest margin, 1 m. tall.

Column, Sepals + petals dull yellow with brown spots. Lip dull yellow with purple brown stripes at center.

USM
AMES-2

7394. Solanum

(3) High climbing vine 8 m. tall.
USM Pedicel + calyx yellow green.
F Corolla creamy white, fleshy, in
40 bud. Stems angular.

7395. Blakea sp. aff. B. repens (R. + P.) Don

(3) Epiphytic shrub 1.5 m. tall,
USM with erect branches. Lvs. shiny,
F both sides. Bracts pale green with dark
45 red margins. Ovary pale green. Sepals
cream turning red after anthesis.
Filaments cream. Anthers bright
yellow. Stigmas red. det J. J. W. 1978

7396. Dendropanax sp. Araliac.

(2) Shrub 1.5 m. tall. Immature
USM fruits green, 5 locular, 5 stigmas,
F 5 calyx lobes. Ovary inferior.

7397. Cenna jaegeriana Urban

(2) Herb 3 m. tall. Lvs. dull dark
unicate green above, shiny lighter green
beneath. Bracts yellow green. Ovary
seed! pale yellow green. Calyx pale dull reddish,
F (2) petals basally orange, apically dark
red. Staminodes + stamens bright orange.
det PJM Maas X-1978.

JUN 26 1978 *Psychotria tinctoria* Ruiz + Pavón det. S.F. Smith 1985.

7398. *Psychotria* cf. *victoriae* Standl. Rubiaceae

(6) Treelet 5 m. tall. Lvs. dark

USM Green above, pale green beneath.

US Infl. axis green. Bracts green.

F Corolla creamy white, turning
u yellow brown with age. det. J. Kirkbride 1978
P

7399. *Peliconera guianensis* Aubl. subsp. *occidentalis* Steyerl.

(2) Shrub 1.5 m. unbranched.

1 fertile Lvs. dark green, velvety above,

USM with white midrib, red purple to

F greenish beneath. Infl. rachis,

ovary + calyx red throughout.

Corolla basally red-orange, tube
+ lobes yellow. det. D. Simpson 1980.

(cult. from Madre Mila)

7400. *Bumelia* sp. nov.? aff. *grandiflora* D Don

(6) Shrub to 12 m. tall but

USM largely cut back. Branches erect.

GH Stem green with thin brown

F exfoliating bark. Lvs. rubbery,

live dark green, semi shiny above, nerves

Weeks impressed, margin not undulate,

Fernandez Lvs. light yellow green beneath

Selby shinier. Sterile.

U. Chi.
Lyon-3

JUN 26 1978

7401. Cestrum CONGLOMERATUM RUIZ & PAV.

(4) Tree 8 m. tall. Bracts green.

USM U FIS. pale green in bud. Stems

MO
F

angular. DET. M. NEE 2003

→ Stenospermation zecarpium Mad. det. A. Gomez 1983.

→ Stenospermation wolfii Masters det. A. Gomez 1983.

* 7402. Stenospermation sp. cf. rusbyi N. E. Brown

(4) Terrestrial herb 1-1.5 m. tall.

Spathe lt.-green, cream at anthesis. Lvs. semi-shiny dark green above, paler green beneath.

live
USM
Weeks
F
SEL
K

Stems green. Spadix cream

SEL # 78-819 det. J. Mayo 1979.

7403. PEARCEA SPRUCEI (BRITT.) KUIST. Jesmeria.
Parakochleria sp. (prob. nov.)

F (3) Terr. herb 40 cm. tall. Lvs.

USM
SEL

dark green above, micro-bullate.

Seed. Red purple beneath with white nerves. Pedicel + calyx pale green to cream. no. fis.

det. H. Wahlen 1978

7404. COLUMNEA INAEQUILATERA POEPP. Jesmeria.

(1) Terr. herb 60 cm. tall. Lvs. dark green above, pale green beneath.

unicate
F

Calyx yellow green. Corolla tube reddish with red hairs, lobes tinged yellow, axially with.

DET. L. SKOG 1986

* 7402 STENOSPERMATION KILLIPII CROAT & A. GOMEZ
(TYPE - CULTIVATED FROM THIS COLLECTION!)

JUN 26 1978

7405. Solanum

(1) Armed shrub 2.5 m. tall.

unicate
F Calyx lt. green with yellow orange
trichomes. Corolla white. Anthers
yellow.

7406. Ruellia cf. pedunculosa (Nees) Linden Acanthaceae.

(3) Herb 40 cm. tall. Calyx green.

USM
US
F Corolla pale violet. det Wasshausen 1978.

7407. Dicliptera Acanthaceae.

(3) Herb 1.5 m. tall. Stem 6 ribbed

USM
US
F Bracts + calyx pale green. Corolla
tube whitish at base, dull red
above.

7408. Pilea sp. nov. det. Utrecht 1980.

(3) Terrestrial herb. Lvs. crestate,

USM
U
F lt. green, paler patches para-
llel + between major nerves.
Fls. cream.

ssp. thyrsoides

7409. Renealmia thyrsoides (R. + P.) P. + E.

(4) Herb 3 m. tall. Lvs. semi shiny

USM
U MO
F dark green above; paler, shinier
green beneath. Infl. basal,
short; axis white. Bracts deep

JUN 26 1978

pink. Bracts + calyx ~~pink~~ pink.
 Corolla + stem nodes yellow. FRS.
 purple black at maturity, aril
 orange. Seeds black. det PJMM 28/1978

4410. Oxalis ortgiesii Oxalid.

(1)
 USM Herb 40 cm. tall. Lvs. shiny
 dark green above, lt. red purple
 beneath. Fl. buds yellow green.

4411. Podandroyne brachycarpa (DC.) Woods. Capparae.

(2)
 USM F Subshrub 1.8 m. tall. Pedicel, calyx
 + corolla pinkish-red - FRS. yellow.
 det. T.S. Cochrane 1982.

4412. Psychotria pilosa R. + P.

(3)
 USM US F Shrub 2 m tall. Lvs. dark dull
 green above with yellow trichomes.
 Lvs. pale green beneath. FRS. blue.
 det. J. Kirkbride 1978

4413. Phelodendron fibrillosum Poepp.

(3) Climbing epiphyte. Lvs. dark
 dull green above with impressed
 nerves, lt yellow green beneath.
 Spathe lt. greenish yellow.
 Spadix cream. Internodes 9 cm
 long, stem 1.5 cm diam. Fls.
 1-5/node.




USM
 F
 K

det. S. Mayo 1979.

JUN 26 1978

F
USM
u
7414. Polypodium aff. repens fern.
(3) Climbing epiphytic vine on
tree trunk. det. Utrecht

F
7415. Calathea dicephala
(1) Terrestrial herb in forest on steep
hillside. Lvs. dark dull green above
with paler medial stripes. Lvs. dull
purplish beneath. Bracts green.
n. fls.

 F
7416. Philodendron LECHLERIANUM SCHOTT
(1) Climbing epiphyte. Lvs.
dull medium green above, shiny
green beneath. Spathe green,
coriaceous, old within. Imm.
fruits light green. DET. T. CROAT 1998

USM
F
u
7417. Trichomanes radicans Sw. Hemiepiphyte.
(4) Climbing epiphytic vine
on tree trunk. det. R. Stolze 1980.

USM
F
u
7418. Blechnum kunthianum C. Chr. fern.
(3) Climbing epiphyte on tree
trunk - det. R. Stolze 1980.

B. BINERVATUM (POIR.) MORT. & LELL.
ssp. ACUTUM (DESV.) NISSEN
DET. D. NISSEN 1986

JUN 26 1978

7419. Peperomia

(2) Epiphyte. Lvs. dark shiny green above, veins impressed; pale green beneath. Stem light green with red spots just above node. 1-2 cm. Spikes tan.

USM
F

7420. Peperomia

(1) Epiphyte. Similar to 7384. Lvs. dark green above, nerves scarcely impressed, pale green beneath, throughout. Stems green throughout. Spike + peduncle yellow-green.

F
unicato

7421. Triolena allardii (Wunderl) Wunderl (Heliconiaceae)

(6) Herb to 40 cm. Lvs. bullate, greenish black, shiny above, dull red purple beneath. Frs. brown, infl. rachis red-purple.

USM CAS
US U
F K

det. JTW 1978.

7422. Corytoplectus speciosus (Poepp.) Wiehler Gesneriaceae

(4) Herb in forest. Lvs. velvety bullate, dark green above, dull red purple beneath. Bracts + calyx red. Corolla yellow with white hairs.

USM
US
F
SEL
u

Wieg.-Al
u ch.
SEL

det. H. Wiehler 1978

JUN 26 1978

7423. Lycopodium?
F (1) (Possibly musci). Sterile.
unicate Pendulous epiphyte.

7424. Need spruceanum Hieron., s.l.
(6) Shrubs 2.5 m. tall with
USM Spreading flattened branches.
F Infl. pendulous, dull red,
GB becoming bright magenta
U in fr. Perianth dull red.
MO FRs. dark green. Lvs. dull
K dark green above, lighter green
GH beneath. det. R. Liesner 1983

7425. Gonzalagunia dependens R. + P.
(6) Shrub 1.5 m. Lvs. bullate,
USM dark shiny green above, pale
F canescent beneath. Infl. 2x15
US pedicels + calyx greyish tan.
U Corolla tube pink. Lobes pale
pink to whitish.

7426. Mosses
F Epiphytic in forest.

JUN 26 1978

7427. Hepaticae


(F)

Terrestrial in forest.

7428. Anthurium acrobates Sodiro Arac.

(1)
unicate

F

Epiphyte. Lvs. Shiny above,
dark green; light green beneath.
Petiole  Spathe yellowish
green. Spadix dark red.
det. T. Croat 1985.

(Burret) H. E. Moore

7429. Prestoea megabochlamys Palm.

(12)

USM-3

F-4

BH-6

Single palm 7 m. tall. Trunk 4
cm DBH. Crown ^{shaft} 70 cm long.
Lf. blade 2.30 m long with
82 leaflets/side. Infls. 3,
rachis white. Perianth pale
violet. Anthers white.

det. H. E. Moore, Jr. 1979.

JUN 28 1978

PERU: Dept. San Martín. Prov.
Mariscal Cáceres. Dto.
Tocache Nuevo. Alt. 545m.
Palo Blanco. 29 June 1978.
above Rio Tocache.

7430. Gen. nov.?

Commelinaceae.

(2)
live

USM

F

foto's

LWE:

EIAI → dead

Faden → OK

Bzütz → dead

Rosulate herb on moist
stream bank, lvs. nearly prostrate
velvety dark green above with
with midrib, lvs. pale green
beneath with dark green
secondary nerves. FR. axillary,
beneath the leaves. Pedicel
of calyx pale cream. FR. pale
green (spirit).

7431. Trichomanes trollii Bergd.

unicat (1)
F

fern on stream bank det. R. Stolze

7432. Anthurium pachylaminum Croat Arac.

(2)

USM

F

Epiphyte on tree trunk. Bird
nest rosette. Petiole ^{lobed}. Pedan-
cle terete green. Spathe reflexed
dark purple. Spadix dark purple.
det. T. Croat 1986.

JUN 29 1978

Hyospathe aff. gracilis Wendl. ex Drude

7433. ~~*Chamaedorea*~~ *H. ELEGANS*, MARTIUS

(2) Palm 4 m. tall forming
unicate clump of 6 plants. Stem 2 cm
F(2) dia., green. Crown sheath pale green
23 cm. Petiole 17 cm. Blade 60
seed' cm long, leaflets 15-16. Spatha
cream, turning tawny. Rachis
cream. Fls. red. DET. F. SKOV & H. BALSLEV 1988

7434. *Trichomenes crispum* L.

Hymenophyll.

U
USM (3) fern on fallen log in quebrada.
F det. R. Stolze 1980.

7435. ~~*Isertia atba* Spreng~~ *I. laevis* (Trizno) B. A. Boorn

det. Boorn 1982

(2) Treelet 5 m. tall in open road.
USM Judo. Lvs. yellow green shiny,
F above, whitish beneath with pink
nerves. Rachis, pedicel + ovary
light green. Corolla cream.
det. D. Simpson 1980.

7436. *Calathea longipetiolata* Kennedy

(2+2) Herb 1.8 m. tall. Petiole
USM (2) olive green 1.4 m. long, pulvinus
F (2) olive green. Lvs shiny dark green
live above, pale green beneath. Peduncle
light red. Bracts pale yellow
green streaked red, part.
= TP 6000

JUN 29 1978

7437. Genouma

Palm.

(2) Palm 2 m tall in forest.
seed USM
F Infl. Lach red. Old fruits dark
brown. Trunk 1 m - 1.5 m tall.
det. Guy de Nevers 1986.

7438. Tetrorchidium

Euphorb.

USM (2) Treelet 5 m. tall. Infl. 2 x 15
F pale green. Fks. light green.
Latex copious, white. det. M.J. Huft '81.

7439. Curarea toxicifera (Wedd.) Bern. + Kruthoff.

(2) Vine 3 m. tall. Lvs. shiny
USM dark green above, pale whitish
F beneath with yellow nerves.
Petiole yellow-green. det. B.A. Kruthoff
1977.

7440. Psychotria trichocephala P. + E.

(4) Shrub 2.5 m. tall. Lvs.
USM shiny dark green above, lighter be-
US beneath. Bracts + calyx light
F (2) green with purplish hairs.
Corolla white, lobes with thin
purple margin; limb turning
yellow orange with age. FR.
shy blue.
det. J. Kirkbride 1978

JUN 29 1978

7441. Ossaea capillaris (Don) Cogn. Melastom.
 roadside ~~herb~~ herb. Calyx pale green. Petals white tinged pink, recurved. Filaments white. Anthers yellow. Pks. red turning black at maturity. det. J.J.W. 1978

US (5)
 USM
 F
 seed
 U
 CAS

7442. Pariana
 Cespitose herb 60 cm tall. Lvs. dull dark green both sides. glumes purplish.

USM (2)
 F

7443. Malanea boliviana Standl. ex char. Rubiace.
 Vine climbing prostrate on tree trunk. Ovary creamy white turning red-brown. Young fruits light green.

(5)
 USM
 F
 US
 U
 VEN

7444. Psychotria barbiflora A. DC. repurpurea? det. D. Simpson 1980.
 Shrub 2 m. tall. Peduncle rachis + bracts red purple. Imm. fruits green, black at maturity.

(2)
 USM
 F

7445. Pariana
 Cespitose herb 1.5 m. tall. ~~Fls.~~
 Lvs. dark green above, purple beneath.

US
 F

JUN 29 1978

det. Winters

7446. Besleria sp. ARBUSTA L. SKOG [PARATYPE]
 (3) Herb 1.5 m. tall. Peduncle yellow green. Pedicel pale orange. Calyx + corolla bright orange.
 USM F SEL
 DET. L. SKOG 1987.

7447. Aphelandra cf. jacobinioides Linden Acauth.
 (8) Elegant, sparsely branched shrub to 2 m. tall. Lvs. dark velvety green above, whitish patterned at midrib and secondary nerves; paler green beneath. Nerves prominent, yellow green. Peduncle pink with red spots. Bracts pink, turning greenish in fruit. Calyx pink. Corolla tube pink in lower 1/2, pure white in upper half. Imm. capsules lt. green.
 EIAI live USM F US K photo ANU live → SEL 1981
 det. Winters & Kuhn 1978.

7448. Trib. Besleriae gen. nov? Gesneria.
 (4) Arching herb on stream banks. Lvs. shiny green above, pale green beneath, with dark red purple hairs throughout. Calyx lt. green with purple hairs. Corolla fleshy, bright orange, Frs. orange.
 USM SEL F U live - SEL

JUN 29 1978

ssp. RUFESCENS (SLEUMER) KUB.

DET. G. AYMAR 1989 ssp. dentatus det. R. Liesner 1986.

7449. Dolioscarpus dentatus (Aubl.) Standl.

(7) Liana 6 m. tall. Pedunc + perianth pale green.

USM
F
MO P
u HBG

det. T. Plowman 1979.

7450. Heliconia zebrina Plowman et al.

(1) Herb 1.5 m. tall. Lvs. dark velvety green above, with pale green midrib, dark red-purple beneath. Infl. erect, bracts distichous. Peduncle & rachis and bracts red throughout. Pedicel pale creamy green. Imm-fruits bluish. det. L. Andersson 1983.

unicate
F
live
Selby
EIAI

Foto

7451. Tectaria plantaginea (Jacq.) Maxon

(1) Fern on stream bank. det. R. G. Stolze 1979

F unicate

7452. Palicourea guianensis Aubl. subsp. occidentalis Steyererm.

(1) Shrub 2.5 m. tall. Lvs. ~~dull~~ green, dull above; lighter shinier green beneath. Peduncle red-purple. Rachis of infl. red-orange. Calyx green, tiny. Corolla dull red orange.

det. D. Simpson 1980.

unicate
F

JUN 29 1978

1988.

capitatus Drake det. B. Stein

7453. Centropogon ~~*macrophyllus* (G. Don)~~ E. Wimm.

(2)
curvate
F
USM

Herb 1 m tall. Calyx green
Corolla deep Carmine pink. Andro-
phore white, pink at apex. det. C. Nizoda
1980.

univ. (1)
live
Setby
F-2

7454. Heliconia cf. *dasyantha* det. L. Andersson
velutina Andersson
1984

Herb 1.5 m. tall. Lvs. dull,
lt. green above, peler shiny green
beneath. Infl. erect, bracts
cuticularous. Rachis & peduncle
yellow-green. Bracts yellow at very
base, red throughout. Pedicel &
ovary yellowish. Perianth
greenish yellow reddish towards tip.

7455. Calathea sp. (cf. *C. luciani*)

(3)
live-Setby
USM
F

Herb to 1.0 m. tall. Lvs.
dark green above, semi-dull,
red purple beneath. Sterile
det. H. Kennedy 1971.

7456.

(2)
USM
F

Vine in open thicket. Bracts
lt. green. Calyx bright red.
Corolla yellow. *perneria*.

JUN. 29, 1978

7457. Justicia

Acautla

COL (5) Shrub 3 m. tall. Bracts green.
U USM Calyx tinged purple. Corolla
K F deep pink, white at base. Filaments white.
US

7458. Cyphomandra PILOSA BOHS DET. L. BOHS 1986

(3) Tree let 5 m. tall. Infr. pendulous. FRs. fusiform-elliptic, pale green spotted with darker green stripes.
USM F-2

7459. Tibernaemontana sanzenho R. & P.

(5) Tree 8 m. tall with milky seed-el. latex. FRs. orange, spherical 4 cm. diam. det. A. J. M. Leeuwenberg. 1984.
USM F U n.v. Uchu sanzengo -

7460. Calathea cf. propinqua (P. & E.) Koern. 1980

(1) Herb in forest. Lvs. dark unicate
↓ live
SEIL
F. 1
Herb in forest. Lvs. dark velvet green above, with pale green central stripe. Pulvinus olive green. Lvs. pale green green beneath with dark green veins. Bracts very pale green to cream, Calyx hyaline cream in fruit, Papule white.

JUN 29 1978

7461. Olyra caudata Trin. Gram.
F (3) Cespitose arching grass
USM 1.5-2 m tall in forest. FRS.
as brown. det. G. Davidse 1980.

~~7462~~ Gesneriac
(1) Herb 1 m. tall. Hair on stem
seed + petiole golden yellow. Calyx
unicate yellow. Berry orange.

7463. Piper bicolor Yuncker Piperac.
(4) Shrub to 2 m. tall with erect
lvs USM branches. Lvs. shiny green above
F reddish purple beneath. Peduncle
Selb H reddish. Spike green. det R. College 1986
AAU

7464. Sciaphila purpurea Bth. | Trurid
(3) Sprophyte in old termite
USM nest. Stems pale purplish
(A) F white. Pedicel + perianth dark
fib u red purple. FRS. red purple.
(A) > K det. P.J.M. Mab 1978.

7465. Geonoma pycnostachys Mart. Palm.
(3) Slender palm 2 m. tall.
USM Lvs. undulate, shiny dark green
F above, pale dull green beneath.
Imm. frs. green. Spadix brown
det. Greg de Nevers 1986.

JUN 29 1978

7466. Erythroxylum mucronatum Benth.

U (5)
USF
F
VEN
NY
gr. to #

Treelet 6 m. tall with spaced horizontal branches. Bark greyish, smooth. Twigs red-brown. Lvs. dark green above semi shiny, midrib + secondary nerves prominent. Shiny yellow-green beneath, exarsolate, but occasionally parallel indentations present. Stipule persistent of current year's growth rust brown. Sterile. Frequent.

LA
AAC
live (2)
INPA

7467. Rhodospatha


Arac.

(1) Epiphyte. Lvs. dark green above, nerves impressed; Sp. in tan. Ifs. light green beneath.

7468. Philodendron UNDULATUM ENGL.

Arac.

USF
F
live.
Selby

(2) Epiphyte. Petiole  alate distally. Lvs. shiny dark green above; dull lighter green beneath. Sterile. Cataphylls persistent, marcescent.

DET. T. CROAT 1998

JUN 29 1978

7469. Elaphoglossum FLACCIDUM (FEE) MOORE
F. (1) Epiphyte on tree trunk. DET. J. MICKEL 1989
unicat

7470. Erythroxylum aff. macrophyllum Cav.
(6) Complex st.

USM Shrub 2 m. tall in secondary
F AU thicket. Twigs green turning
LA INPA reddish brown. Lvs. medium green
folys semi shiny above with yellow mid-
rib; pale dull yellowish green
beneath. Stipules early caducous;
red brown.

7471. Calathea nervifolia Kennedy
sp. nov. det. H. Kennedy 1980.

(3) Herbs 1.3 m. tall. Lfs.
arching over; shiny dark green

(A) 2bme; grey-glaucous green
beneath. yellowish midrib
live Bracts light green. Bracteoles
usy pale green. Calyx hyaline
F. ft. green. Corolla + stamens
u pale yellow throughout.

(= Kennedy + Plowman 3644)

JUN 29 1978

7472. Peperomia alata R. + P.

Piperac.

USM
F
U

(4) Erect terrestrial herb.
Lvs. dark green above, pale
green beneath. Spikes lt.
green. det. R. Callejas 1985.

7473. Abuta pahnii (Mart.) Kruk. + Barneby

(5) Liana 7 m. Lvs. shiny
dark green above, pale green
U green below. Sterile
NY K and petioles tan. Sterile.
det Krukoff 1979.

7474. Abuta rufescens Aubl.

(5) Liana 6 m. long in sec-
USM secondary thicket. Lvs. shiny
F dark green above, midrib yellow-
NY lowish, whitish beneath.
U Sterile.
P det. B.A. Krukoff

JUN 30 1978

PERU: Dept. San Martín. Prov. Mariscal Cáceres. Dpto. Tocache Nuevo.

Below Tocache Nuevo along Río Huallaga. Miramar. 450 m.s.m.
30 June 1978.

7475. Mascagnia benthamiana (Griseb.) Anderson ined. Malpigh.

USM (3) Liana 6 m. in riverbank.
F Petals bright yellow. Lvs. shiny green
MICH above, pale dull green beneath.
det. W. R. Anderson 1979

7476. Oxalis lepedezzioides R. & P. ex Don
(3) Herb along trail. Fls. pale
USM yellow orange. Calyx + capsule
P lt. green. det. P. Matekatis 1983
USM

7477. Guarea trichitioides L. ^{guidonia (L.) Sleumer} det. F.O. Pennington 1979
u (5) n.v. "Réquia" = bark used det. C. Niezgodka 1978
USM
F
OXF

4755 is infusion as an enema to make
women more fertile.
Tree 25 m. tall with spreading
clim. Fls. creamy white.
Disc yellowish.

7478. Phoradendron ^{sp. nov.} in diem.
(6) Hemiparasite, on Guarea # 7477.
USM u Lvs. rubbery, semi shiny medium
F NY green both sides.
AAU

7479. Combretum fruticosum (Coefl.) Stuntz Combretac.

(4) Liana 8 m. tall with pendent branches. Fls. bright red at maturity. det. C.A. Store 1982

USM
F NY
U

7480. Coccoloba peruviana Lindau

(5) tree 6 m. tall. Imm. fruits pale green, with rose blush. ♀

USM
GHT
F AAU
U

7481. Coccoloba peruviana Lindau

(3) Tree 6 m. tall. ♂ fls. past.

USM
GHT
F

→ D. acanthogyne Rusby det. F. Ayala 1985

7482. Dioscorea apurimacensis R. Knuth

(4) Extensive vine in open thickets. Imm. fruits lt. green. det. B.G. Schubert 1981.

USM
GHT
F U

det. H.E. Moore 1979.

7483. Bactris bifida Mart. Palm

(5) Spring Palm growing in dense clumps

Seed. of 3-10 trunks. Trunk 1-2 m tall, 2-3 cm diameter. Fls. pale green turning purple black, ovoid to obovoid to 3.5 cm long, 2.8 cm diam. Peduncle cream. Calyx cream, turning dark purple. Infl. suberect, bipartite.

USM
BH
foto
F

JUN 30 1978

7484.

(1) **Erect** herb to .6 m. ^{greenish.} Calyx
F lt. green. No flowers. S

var. polymorpha D. Simpson ^{det. R. Liesner}
Synid.

7485 Psyllinia obovata (R. + P.) Pers.

(6) Extensive liana in open thicket. Fks
USM MO red-orange, dehiscing from base.
F

seed U Placentas deep rose. Aril white.

foto AAU Seed black. det. R. Liesner 1981.

7486. Ouratea phaeophylla Sleumer ~~Ames~~ ^{Ochnaceae}

(2) Shrub 3 m. tall on riverbank.
USM

Infl. axis, pedicel dark red. Torus
purple black. Fks. olive green
turning metallic blue-black
at maturity. det. C. Niegoda

7487 Bunchosia sp.

^{Meliphiaceae}

(5) Shrub 2.5 m. tall with

USM Spreading branches. Infl. axis

F green. glands olive green. ~~Fks.~~

P Petals yellow
4

7488. Psychotria carthagenensis Jacq.

F (5)

USM Shrub 2.5 m. tall. Fks. green,

US turning orange, dark red at

LA ~~LA~~ maturity. I. C. W. HAMILTON 1972
n.v. chacrima

7489. Bauhinia tarapotensis Benth.

(4) Tree 12 m. tall. Lvs. dull med.

USM
F gr. above, glaucous pale green
K beneath with yellow green nerves.
FRS. Smooth, green. det. C. Niezgodna 1978

M. OVATA RUIZ & PAVON DET. S. RENNER 1997

7490. Mollinedia LATIFOLIA (P. & E.) TUL. MONIM.

(6) Tree 6 m. tall. Aromatic.

USM Pedicels green. Torus pale
F orange. FRS. green, turning
U AAU red, then black at maturity.
MO seeds →
K Kew Mesocarp orange, seeds black.
very oil/v.

VAR. SCHUNKEI FANTZ DET. P. FANTZ 1989

7491. CLITORIA POZUZOENSIS MACBRIDE Legum.

(3) Shrub 2.5 m. tall. Bracts

USM lvs. green. Calyx green with green
F Corolla white, with rose nectar
K guides on adaxial surface of
banner. det. C. Niezgodna 1978.

7492. - Sanchezia decora Leonard + Smith

(5) Shrub to 3 m. tall, Infl.

USM rachis green. Calyx pale green
US basally, reddish towards apex.
F Corolla pale pink at base
U tube + apex red. filaments red.
K

JUN 30 1978

4493. Smilax

(4) ~~Armed~~ liana 8 m. tall. FRs.
USM bright orange.
F U live: A1 = Plowman 13248.
US

4494. Chondrodendron tomentosum R. & P.
(10) n.v. "Zampihuzca blanco"

Extensive Liana 18 m. long climbing
in trees on riverbank. Trunk
to 3 cm. at base. Bark light
tan, rugose. Stems yellow-
green, lenticels tan. Petiole
light yellow-green, pulvini
light tan. Lvs. firm shiny,
smooth, dark green above with
yellow green nerves; lvs. whitish
beneath with yellow green
nerves.

♀ infl. rachis H. tan pubescent.
Perianth pale yellow, fleshy;
FRs. 2-5/flower; fruits pale
green when young, purple
black at maturity. Juice of frs.
red. Seeds tan to whitish.
FRs. ellipsoid to obovoid, 1.5
- 2 cm long, 1.0-1.3 cm dia.

(A)
seed
live
USM
Wicks
ECON
F-2
K
P
US
QCA
K
S
COL
VEN
MFA
SP
MG

JUN 30 1978

light: 260 ~~ft.~~ minimum
8000 ft maximum
Hum. 70%
65-90
av. 1000-2000 in riverine forest.

seedlings numerous beneath plants.

7494A.
Insects → F

FRs. inhabited by fierce ants and hemipterans (A). Very common plant on banks of Rio Huallaga in forest margins + thickets, below Tocache.

(A) → K

7495. Chondrodendron tormentosum ^{R. + P.} ♂
(10) N.v. zampituzesca blanco

(A) → K

live

USM
ECON

F

U

P

US

Liana 10 m. tall on river bank thickets. ~~TRUNK~~ TRUNK to 2.5 cm. thick. Lvs. semishiny, smooth, dark green above with yellow green nerves; lvs. whitish beneath with yellow green nerves. Petiole yellow green. Pulvini tan. ♂ infl. cauliflorous, with several short axis arising per node, on the older stems or axillary. Perianth light yellow green, fleshy.

Growing with 7494. ♂ plants seem more numerous. About 6: ♀.

JUN 30 1978

Pueyacu near Totache.

4496. Amphilophium paniculatum (L.) HBK. Bignoniac.

F. (1)

Vine in secondary forest.
Calyx lt. green. Fl. bud yellow.

var. molle (Chen. & Schlecht.) Handl.
det. A. Gentry

4497. Barbieria pinnata (Pers.) Baill. Legum.

(5)

USM
F
U
US
K

Vine on open roadbank.
Calyx dark red. Corolla bright
red. Lvs. dark green above,
pale green beneath.

(det. C. Niessoda 1978)

JUL 1 1978

Peru: Dept. Huánuco. Prov.
Mariscal Cáceres. Dpto. Tocache
Nuevo. Tocache Nuevo.

1 July 1978. Bosque de Don Roberto
Aguilar.

7498.

Marcgravia.

(7)
WOM
F-2
US
u K

Scandent epiphyte.
♀ m. Pedicels brown. Buds
purple green. Fks. greenish
brown

Schumanniana Loes.

7499.

Heliconia

with arching stems

(3)

USM
F
GB

Herb 5 m. tall n. Lvs. dis-
tichous, dull green above,
lighter green, shiny beneath.
Infl. erect, bracts distichous.
Peduncle green. Infl. rachis
orange. Bracts orange in basal 1/2,
red in apical 1/2. Pedicel orange.
ovary basally cream, dark green
in apical 1/2. Perianth yellow-
orange. Fks. blue. Stem red.
Along stream.

det. L. Andersson 1978

JUL 1 1978

7500. Heliconia sp. aff. stricta Hubert + Wagneriana Peter

(4) Herb 1.5 m. tall in thicket.

live

USM GB
F

Sally

fotos.

Lvs. dull, lt. green above, paler green, shiny beneath, midrib yellowish. Infl erect, bracts distichous. Bracts distichous, bright red, margins with yellow edge. Rachis red. Bracteoles pale yellow-orange: Pedicel + ovary white. Perianth white in basal $\frac{2}{3}$, dark green in apical $\frac{1}{3}$, tip (3 mm) white.

det. G. Harling 1978.

7501. Jacquemontia

(5)

USM MO
F K
u

Vine in open thicket. Calyx pale yellow-green. Corolla sky blue.

ssp. gutierrezii (O. Ktze.) Mez

7502. Dimerocostus strobilaceus O. Ktze.

(4)

USM
F
u
MO

Herb 3 m. tall on stream bank. Bracts lt. green. Fruits immature, white, calyx green. No seed produced. Fls. buds bright yellow. Lvs. green both sides, shinier above.

det P.J.M. Mez 1978.

JUL 1 1978

(Schum. ex Sprague) Urb.
Bignonice.

7503. Roentgenia bracteomana
(3) High climbing liana 15 m.
Frs. pendulous, green.

det. A. Gentry 1978.

USM
F
MO
U

7504. Cornutia odorata (Poepp. + Endl.) Poepp

(7) Nv. "toe shingura"
use: leaf is mixed with
ayahuasca to make it stronger.

Treelet 5 m. tall. Calyx buff.
Corolla tube purple, limb blue-
purple. Frs. dark purple at
maturity.

det. H. N. Moldenke 1979.

see F
NY
K
U
AAU

7505. Ipomoea

(3) Vine in open thicket. Bracts
& calyx lt green. Corolla pure
white.

USM
F
U

7506. Ipomoea

(6) Vine in open thicket. Calyx
cream with red purple blush.
Corolla pure white.

USM
F U
MO K

JUL 1 1978

7507 Erythroxylum cf. macrophyllum

(8)

USM
F
SEL

foto

GH
MO
G
NY

Tree 8 m. tall arising from cut trunk 6 cm DBH.

Bark greyish tan. Young twigs lt. green, flattened. Stipules light rusty brown, early caducous. Lvs. with lamina arching upwards, strongly undulate at margin. Medium to dark shiny green above, with lt. green midrib. Lvs. pale glaucous green beneath, ciliate, exarsolate, costa pale red at first, turning yellowish with age. Sterile. Only one seen.

7508 Tripogandra serrulata (Vahl) Handl. & Ros.

(6)

USM

F

U

K

GH

Herb with horizontal stems, rising 0.4 m. tall. Peduncle + calyx pale yellowish green. Petals pure white.
det. R. Faden 1978

7509. Tynnanthus sp. Bigoniace.
 (3) n.v. "clavohuesca"
 USM F_{NO} Vine sprouting from tuberous
 live EI AI roots. Odor of cloves.
 foto

7510. Erythroxylum coca Lam.
 P (6) n.v. "coca"
 USM Cult. shrub 1.5 m. tall.
 ECOW F_{NEU} Lvs. dark dull green above
 foto with yellow midrib. Lvs. pale
 glaucous green beneath with
 paler green areolae. Petals
 cream. Frs. red at maturity.
 Commonly grown at Tocache.

7511. Canna glauca L. x Canna indica L.
 (6) det. P.J.M. Moss 1978
 373 Cult. herb 2 m. tall. Lvs.
 USM dull dark green above, grey green
 F₂ glaucous beneath. Stems pruinose
 foto₅₅ Bracts cream. Ovary green. Sepals
 cream. ~~petals~~ Petals yellow. Staminode
 live: Lyon yellow. Stamen yellow-orange
 SEL with orange streaks.
 From Rio Coaito where found
 in Chacara.

JUL 1 1978

7512. Calathea schunkei Kennedy

(6)

Cult. herb 1 m. tall, collected in Rio Coñuto. Lvs. plicate, semi shiny green above, pale grey green beneath with purple bluish. Peduncle green. Bracts red = orange. Fls. yellow.

USM
F
K
GB

Live:
EIAI
Lyon

ATK

SENDTJ.

7513. Cyphomandra OBLIQUA (R. & P.) S. L. Gentry

(3)

nr. "chupo sachá" DET. L. BOHS 1986
Cult. treelet 5 m. tall. Pedicel & calyx pale green. Petals yellow green abaxially, with dark purple bluish adaxially. Anthers cream. Stigma dark green. Lvs. shiny above, fretis; dull beneath.

USM

F

U

Use: leaf is vesped in cold water; taken with lemon juice. Taken in the morning ^{in fact} for rheumatism & "dolor de tabo dilla", "dolor de ciufura" for 3 days.

Found wild in Tocache.

Fr. pale green with darker green pattern.

JUL 2, 1978

Peru: Dept. San Martín. Prov.
Mariscal Cáceres. Dto. Tocache
Nuevo. Camino Viejo a Limón
north of Tocache Nuevo, cerca la
[2 July 78] Granja Santa Inés.
Alt. 400 m.

7514. Heteropsis oblongifolia Kth.

(5) n.v. "tám shi delgada" det. T. Croat
"huasi huatano" 1978.

live
K
USM
F
MO

use: used to tie houses together.
Vine 8 m. tall. Lvs. shiny dark
green above, pale less shiny beneath.

7515. Heliconia velutina Anderss.

2+3 Herb 2.2 m. tall in forest
margin + in secondary forest.

(A)
USM-2
F-2
GB
fotos.

Lvs. yellowish green shiny above, pale
grey green shiny beneath. Infl.
erect. Peduncle + rachis lt. olive
green. Bracts distichous, yellow at
very base, red throughout. Pedicels
lt. green. Ovary basally green, apically
green. Perianth greenish yellow,
apically darker green tinged red.
Bracteoles cream.

n.v. Situlli

det. L. Andersson 1982

JUL 2 1978

7516. Hypolytrum schradarianum Nees Cyperac.
(6) Herb 1.5 m tall on open
Stream bank. Infl. brown.
USM U (new to PERU!) det. T. Koyama 1979.
F NY MO

7517. Gustteria sect. Trichoclonia Auouze.
(6) Treelet 4 m tall with storied
branches. Fls. pendulous.
USM U MO Pedicel & calyx lt. green. Petals
F NY K greenish yellow.
det. Van Kesteren 1978

(A) U → peruviana A.J.M. Lemmens 1984

7518. Lacmellea floribunda (Poepp.) Benth. Apoc.
(5) Shrub, scandent, to 2 m
(A) tall with pendulous branches.
USM U F Stem with milky latex. Lvs.
shiny dark green above, light
yellowish green beneath. FRs.
yellow orange, ~~from pericarp~~
pericarp with white sticky latex,
reddish juice surrounding single
brown seed.

det. A. Gentry 1983.

7518A.
(1)
F

Beetle

7519. Couratari guianensis Aubl. Lecythid.

(4) n.v. "ullen cespí", "palo cachimbo."

"Fruits" or parts of fruits on

fotos
F
NY
Ground fallen from huge solitary
tree in pasture. Tree 35 m.
tall with buttressed roots, 1 m.
DBH.

7520. Erythroxylum macrophyllum Cu. sens. lat

(12) n.v. sachá coco

① → F

fotos

USM

F

MEXU

CGE

NY

MO

GH

K

RB

INPA

U

P

HBG

SP

MA

WIS

Tree 5 m. tall with trunk 4 cm.
sprouting from trunk 10 cm. DBH.
Bark thin, dark red brown with
longitudinal cracks; bark epidermis
peeling rapidly, red brown within with
cream spots. Branches pendulous.
Lvs. shiny dark green above, midrib
yellow green, arching; lvs. glaucous
pale green beneath, venlets dark
green, midrib yellowish. Bracts +
stipules red-brown. Calyx pale green.
Petals creamy yellow, ~~petals~~
turning brownish, sub-erect. Imm.
fruits shiny green.

JUL 2 1978

7520. (cont.)

7521. Leandra secunda (Don) Cogn. Uelastom.
det. J.J.W. 1978.

(4)

USM
F
us
foto U
CAS

"Flat top" shrub 1.5 m. tall.
Lvs. dark green above, shiny,
with metallic bluish cast
pale green beneath. Fls. - white
Imm. frs. pale green.

7522. Costus ~~hirsutus~~ lasius Loes.

(1)

Ullicate
F

Herb 1 m. tall covering with
brownish hairs. Lvs. dark green
above, dull; pale green beneath, shiny.
Bracts deep yellow det. P.J.M. Moss 1978

7523. Bellucia weberbaueri Cogn. det. J.J.W. 1978

(4)

USM
US
F
U

Treelet 6 m. tall. Lvs. dark
green above, pale green beneath.
Calyx yellow green. Petals abax-
ially pink, abaxially white,
fragrant. Anthers yellow.

JUL 2 1978

7524. Anaxagorea crassipetala Hemsl. Annonac.

(8)

USM
F
U
NY
MO
~~PH~~
K
AAU

Slender tree 5 m. tall in forest. Lvs. papyraceous, dark green above, pale green beneath, major nerves rufous. Twigs & petiole, rufous. Fls.

Cauliflorous on older branches.

Calyx pale green with rusty suff. Petals fleshy cream with yellow brown indument.

det. A. Timmerman 1980.

7525. Pueraria phaseoloides (Roxb.) Benth. Legum.

(5)

USM
~~PH~~
fotos
GHT
F
K
P

nv. "kudzu" det. R. L. Husner 1978.

Forage plant, planted for cattle. Aggressive vine in pastures and forest margins. Calyx yellow green. Banner & wings broadly white, apically violet. Keel white.

7526. Ossaea boliviensis (Cogn.) Gleason Melastom.

(4)

USM
F
US
U

Shrub 1.5 m. tall. Lvs. shiny green above, pale green beneath. Trichomes purplish. Calyx green. Petals + stamens white.

det. J. J. W. 1978.

JUL 2 1978

7527. Piper arboreum Aubl. det. R. Calleja 1982.

(7) Treelet 5 m. tall with
spiral horizontal branches.

USM
F AAK
U NY
K COL

Inf. erect, creamy white,
Lvs. dark green dull above,
pale dull green beneath.

7528. Trichomanes hastmannianum (Kl.) Kze.

(6) Terrestrial fern on
streambank in forest. det. R. Stolze 1980

USM
F
U
K

7529. Iryonthera juruensis Wark. Myristicaceae.
det. W. Rodrigues 1975

(6) Slender tree 7 m. tall with
trunk 4 cm. DBH. Lvs. rubbery,
dark green above, midrib yellowish
green. Lvs. yellow-green beneath.
♀ fls. greenish yellow.

USM
F
INPA
NY
K
U

7530. Aristolochia klugii O. C. Schmidt

(4) Vine 6 m. tall. Stems corky
alate. Remnants of fruits brown
det. K. Barringer 1984

USM
F-2
U

n. v. "machacoy huasca"
"soga de víbora" =

Stems boiled for bronchitis.

Antidote for snake bite (Bothrops).

7531. Miconia nervosa (Smith) Triana Melastom.

(4)

Shrub 1.5 m. tall. Lvs. dark shiny green above with yellow brown hairs on costa; red purple beneath. Infl. 2 x 13 rose. Calyx orange. Petals white. Imm. fruits red orange.

 USM
 F
 US
 K
7532. Leandra chaetodon (DC.) Cogn. Melastom.

(4)

Shrub 2.5 m. tall. Lvs. dull dark green above, shiny pale green beneath. Stems dark green. Calyx green. Petals + filaments white. FRS. blue black.
 det. J.J.W. 1978.

 USM
 US
 F
 K
7533. Psychotria microbotrya Ruiz ex Standl. Rubiac.

(4)

Shrub 2.5 m. tall. Stems dark olive green. Stipules pale green. Lvs. dark green above, pale green beneath. Peduncle + Infl. 2 x 13 purple. Infl. branches green. Calyx cream. Corolla cream. Unripe frs. dark green.

 USM
 US
 F-2
 U

det. J. Kirkbride 1978.

JUL 2 1978

7534. Psychotria racemosa (Aubl.) Roesch.

US
WM
F
(3)

Shrub 1 m. tall. Fruits
bright orange. det. J. Kirkbride 1978

7535. Erythroxylum Cocze Lam.

(4)
F
USM
K
f.o.b

Shrub 2 m. tall in forest
along trail. Lvs. shiny dark green
above, pale green beneath, areolate,
linate. Stems light rusty brown.
Veinlets dark green.
Sterile. Not cultivated, not
planted.

7536. Calyptracarya Cyperac.

(2)
USM
F

Cespitose herb along trail
near stream. Lvs. basally
red-purple. Infl. red purple.

7537. Scizdotenia toxifera Kruckhoff + A.C. Smith

(4)
WM
NY
F
4

Liana on streambank in
forest. Trunk to 4 cm. Lvs.
firmly membranaceous, semi-
thiny dark green above,

lt. green beneath, the venulets
conspicuous, reticulate dark
green. Major nerves yellow green.
Petiole yellow green, pulvini olive
green. Trunk elliptic in x-section.
Sterile.

det. Kriebhoff 1979.

#538. Stizophyllum riparium (Hok.) Sandw. Bignoniac

(2) USM
F Vine in open thicket. Calyx
creamy yellow. Corolla tube
pale yellow, lobes white.
det. A. Gentry 1978.

#539. Aciotis purpurascens (Aubl.) Triana Melastom.

(4) USM
F
US
U Herb in forest clearing. Lvs.
shiny above, dark green, pale
glaucous green below. Calyx
green. Petals + anthers
white. det. J.J.W. 1978.

#540. Erythroxylum coca Lzm.

(5) USM
F
U
NY Treelet 4 m. tall in sec-
ondary forest. Lvs. shiny dark green
above, pale glaucous green beneath
midrib yellow green. Stems lt. rusty
brown - sterile. Not planted.

JUL 2 1978

(Det.) C. B. Clark

7541. Phaeosphaerium persicariifolium Comneliaceae

(7)

Ascendent herb along open trail in forest. Stems dark green, purplish just above nodes. Stipules dark olive green to purple with darker green nerves.

Bracts pale green turning white in fruit. Pedicels white. Petals white. Anthers yellow. Fks. white with thin papery pericarp. Seeds black.

det. R. Faden 1978

USM
F
U
K
COL
MO
NY

attenuata (Miers) Urb.

7542. Tabernaemontana sens. lat. Apocynaceae

(8)

Tree 7 m. tall with numerous pendulous branches. Stems with smelly latex. Pedicel & calyx white. Corolla cream, yellow at mouth. Lobes reflexed. Fragrant. Imm. fruits shiny green.

det. A. J. M. Leeuwenberg
1984.

T. floricans Willd. ex Roem. & Schult.
det. B. Hansen 1983.

USM
F
U
MO
GIT
K
AAH
COL

7543. Farramea quinqueflora P. + E. Rubiac.

(5) Slender tree 6 m. tall, much
 branched. Pedicels dark green, frs.
 blue-black. Branchlets pendu-
 lous. det. J. Kirkbride 1978:

USM
 F
 US
 U
 Mo

7544. Philodendron guttiferum Kunth.

(4) Climbing epiphyte 5 m.
 Ultimate branches pendulous.
 Spathe shiny yellow-green.
 ♀ fls. green. ♂ fls. cream.
 Aromatic. det. S. Mayo 1979.

USM
 K
 F
 SEL

7545. Iryanthera juvencensis Warb. Myristicac.

(6) nv. "cumalo bolobolo"
 Slender tree 8 m. tall.
 Frs. cauliflorous, pale green,
 aromatic. det. W. Rodrigues 1979.

USM
 F
 INPA
 U
 NY
 K

7546. Serjania

(2) Liana in open thicket.
 Fls. white.

USM
 F

JUL 2 1978

(Mart.) Barneby

7547
(4)

Borismene japonensis

det. Krubok 1979.

USM
F
NY
U

Liana 8 m. tall on stream bank in forest. Trunk 3-4 cm diameter, terete. Bark lt. brown with longitudinal fissures. Wood light buff. Twig with milky juice. Lvs. dark shiny green above, light yellow green beneath with darker green reticulate venulets.

7548.

Gouania trichodonta Reiss.

Rhamnace.

~~Celastrac.~~?

(4)

Vine in open thicket. Fruits light green.

USM U
F MO

det. C. Niezgoda 1980.

7549.

Abuta solimoesensis Krub. + Barneby Memiperu.

(3)

USM
F
NY

Liana in forest margin 6 m. long. Stems grey green. Lvs. shiny green above, yellow green beneath with dark green reticulate venulets. det. R. Barneby 1979.

7550. Mucuna urens (L.) DC.
 (4) Liana 10 m. tall with long-
 USM pendulous peduncles. Lvs.
 F dark shiny green above, lighter
 P green beneath. Peduncles reddish.
 K Calyx dull yellowish purple.
 Bracts pale green with pink
 blush. Wings & keel light greenish
 yellow with purplish blush.
 Stamens tube & filaments white.
 Anthers yellow brown. Immature
 fruits dark red with golden
 hairs. det. C. Niezgoda 1978.

7551. Paullinia dasystachya Radlk. Sapindac.
~~Serjania?~~ det. P. Matekaitis 1984
 (5) Liana 6 m. high in forest
 USM emergent. Trichomes yellow-
 F brown.
 Mo FRJ. yellow green, wings rose.
 INPA
 U

JUL 3 1978

San Martín

Peru: Dept. ~~Huanuco~~. Prov.

Mariaca Coceres. D.H. Tocache Nuevo. Fundo Miramar, banks of Rio Huallaga downriver from Tocache Nuevo. 400 msl
3 July 1978.

7552. Psychotria carthaginense Jacq. Rub.

(3) Shrub 2 m. tall. Peduncle

+ axis pale green. Pedicels cream.

USM Corolla white. Forest.

F n. v. "chacruna" - lvs. mixed

GH with ayahuasca.

P. CF. ALBA R. & P. DET. C. W. HAMILTON 1992

7553. Cestrum REFLEXUM SENDTN. *Glanc.*

(3) Scandent vine in thickets

along river. Calyx + corolla tube yellow-green. Corolla lobes reflexed, cream. DET. M. NEE 2003

7554. Oncidium *Orchid.*

(1) Epiphyte on tree in pasture.

F Sepals + petals creamy yellow

live with red-brown spots. Lips yellow with spots only near attachment.

Lvs. terete.

T.D. Pennington

det June 1979

JUL 3 1978

Guarea guidonia (L.) Sleumer

7555.

~~Guarea trichotoides L.~~

det. C. Niessoda 1978.

(3)

"n.v. requia" - Bark used in infusion as an enema to make women more fertile. "Calienta los óvulos".

(cf. 7477)

USM

F

OXF

P

Tree 15 m. tall. Infructs light brown. Branches pendulous, spreading. Ant infected.

7556. Machaerium guatemalense Rusby ex Rudd

(5)

Woody liana with trunk 8 cm thick, terete, 8 m. tall, branches pendulous. det. V. Rudd 1979.

USM

AAU

F

US

K

u

7557. Martinella obovata (HBK.)

Bur. + K. Schum.

Bignon.

(2)

Vine on river bank. FRS. pale green, pendulous.

USM

F

det. A. Gentry 1978.

7558. Panicum

Lesiacis OAXACENSIS (STEUD.) A. HITCHC.

DET. G. DAVIDSE 1990

(4)

Scandent grass 1-1.5 m. tall along trail. FRS. reddish, black at maturity

USM

US

F

K

JUL 3 1978

Lasiacis ligulata Hitchc. + Chase

7559 ~~Penicetta~~ det. G. Davidse 1983. Gram.

(6) Vine with pendulous branches.
FRs. greenish, shiny black at maturity.

USM US
F K
MO U

7560. Chondrodendron tomentosum R. & P. ^{Menisperm.}

DAWA
F
NY
EI AI
Wicks
PTBGF.

(3)

Seedlings found in ~~the~~ cleared field prior to burning.
det B.A. Kruehn 1979.

(A)7K

7561. Dioscorea aparinacensis Knuth. ^{D. acanthogyne Rusby det. F. Ayala 1985. Dioscor.}

(5)

Liand 8 m. tall with scandent pendulous branches.
Fls. pale greenish yellow.
det. B.G. Schubert 1981.

USM
GTH
K F, U

7562. Stigmaphyllon sp. ARGENTEUM ^{C. ANDERSON} Malpighiac.

(3)

Vine 6 m. tall. Glands greenish yellow. Petals pale yellow. Imm. fruits pale green.

USM
F
MICH

nv. chunchulla-huesca
Stems used to tie rafts together.

det. W. K. Anderson 1979.
C. ANDERSON 1994

JUL 3 1978

7563.

Bromeliac.

dead

Large tank epiphyte.

Live only! contained large grub -
fumigated at USDA Miami

7564. Brinfelesia grandiflora D. Don

Solsk

Seed only!

JUL 5 1978

5 July 78.

Tingo Maria. Secondary forest
next to Hotel Turista.

7565. Pachystachys coccinea (Aubl.) Nees Acanth.

(2)

Treelet 5 m. tall. Bracts

F dull glaucous green. Corolla bright
red throughout. Filaments
yellow. Anthers cream.

det. Wesshouser 1978.

EIAI
weeds

photos

JUL 5 1978

Peru: Dept. Huánuco. Prov.
Leoncio Prado. Dpto. Rupa Rupa.
Tingo Maria. Road to Castillo.
Limestone hills opposite airport.
5 July 1978. Alt. 750-800 m.

deltoidum Poeppig det Croat 1982

7566. Philodendron fritswentii Bunting

(5)
USM
F-2
weeks
K MO

Climbing epiphyte in
rocky forest. Imm. spathe
green. Lvs. shiny both sides, dark
green above pale green beneath. Mature
spathe whitish. Spadix ♂ pink ♀ cream.

7567. Anthurium corallinum Poepp. *interp* Arca

(3)
live. F
USM K
weeks

Herb on limestone crags.
Internodes 5 mm long. Stem 2.5
cm thick. Cataphylls tardily
caducous. Lvs. coriaceous, shiny
dark green above, shiny lt. yellow
green beneath. Petiole subterete.
Sterile. det. S. Mayo 1979. CROAT 1995

(= 11258)


det. T. Croat 1987.

7568. Anthurium ernestii Engl. Arca

(1)
lwi


Rosette rupicolous herb on
craggy limestone. Lvs. shiny dark
green above, with knife edge
nerves prominent; lvs. pale
dull green beneath. Infl. erect



peduncle terete, lt. green. Spathe
suberect, pale green with
purple streaks abaxially;
red purple adaxially. Spadix
dull pink. Petiole 

7569. Anthurium oxycarpum Poepp. det T. Croat 1980

(2)
F
USM
Live!
Weeks
SEL
All
LYON

Rosette rupicolous herb on
craggy limestone. Stem to 30
cm long, 3 cm diam. Internodes
1 cm long. Cataphylls merces-
cent. Petiole subterete, grooved
adaxially . Lvs. shiny dark
green above, shiny lt. green
beneath. Peduncle green
terete. Spathe lt. green. Spadix
lt green to yellowish.



7570. Anthurium pallidiflorum Engl. ?

(7)
live - ^{web} ~~sp~~ ~~co~~
USM
F U
SEL MO
K AMK
US

Climbing herb on vertical
limestone cliffs. Stems 1.5-2 cm
diameter, inter nodes 2-3 mm.
Cataphylls persistent, mercescent.
Petiole suberect, blade pendu-
lous, ~~shiny~~ ^{dull} green above, shiny pale



JUL 5 1978

green beneath. Infl. erect. Peduncle green. Spathe reflexing, green. Spadix lt. brown.

Petiole terete.

det. S. Mayo 1979.

7571. Pleurothallis

Orchid

(2) Epiphyte on tree trunk. Pedicel white. Ovary red-purple. Upper sepal dark purple with central white stripe, lower sepal white with 3 purple stripes.

live
USM
F

7572. Stelis

Orchid

(2) Epiphyte on tree trunk. Fls. yellow-green.

USM
F

7573. Erythroxylum fimbriatum Peyr.

(8+1)

Tree 8 m. tall, trunk 8 cm.

(A) INPA DBH. growing in crazy line - live stone rocks. Bark rough, flaky, lt. brown.

live
USM
GHT
GHT

Twigs tan. Lvs. semi shiny above, medium green with yellow green costas. 8 lvs. pale green

fotos.

live - Lyon
AIF

beneath with yellow midrib.
Nerves slightly prominent.
Margin undulate. Stipules pale
green turning reddish brown.
persistent.

(Baker) L.B. Smith

7574. Fosterella schidosperma Bromeliac.

(4) Prostrate rosette herb on
steep limestone cliffs. Calyx
green. Petals white. Anthers
yellow.
det. T. Plowman 1981

USM
F
US
K

det. D. Stephenson 1983

7575. Zamia hindenii Regel ex André

poeppigiana Mart. + Eichf. in Mart.

Massive cycad on steep hillside
consisting of craggy limestone?
rocks. Trunk 2.5 m. tall,
30 cm diam, light tan.

live: Selby
Lyon
AIF

USM

GH
F-4

U
K


40

NY
COL

INPA

AAU

RB

Lvs. about 8; ascending. Petiole
spring, 55 cm long, olive green.
 x-section. Blade at least
150 cm, with more than 40
leaflets (tip broken, lost). Lflets
shiny dark green above, shiny
lighter green beneath. Apical scales
rust-brown. Numerous seedlings

JUL 5

1978

2nd young plants beneath parent. Only one other large plant seen.

7576. Chondrodendron tomentosum R. + P.

(3)

USM

live

4 RB

Vine 6 m. long in scrubby forest on steep rocky hillsides. Lvs. dark shiny green above, whitish beneath. Sterile.

7577. Ouratea iquitosensis Macbr.

(1)

F

Spineless shrubs 1.5 m. tall. Petals bright yellow, anthers deep golden yellow. Receptacle red. Imm. fruit green.

det. T. Plowman 1980.

7578.

(1)

Orchid

voucher live

Selby

AMES

2-leaved terrestrial orchid on steep rocky hillside. Fls. yellowish.

7579. *Ornithocephalus* Orchid.

(3)
USM Selby F
Equitant epiphyte. Fls. white. ~~Stems~~ Spur green coiling over flower.
#7 AMES

Stylogyne micrantha (HBK.) Mez.

7580. ~~*Stylogyne* sp.~~ det. J.J. Pipoly 1984 Myrsinac.
(3)
USM F
MHO 4
Shrub 1.5 m. tall. Fl. buds white. det. C. Mezgodova 1980.

Epiphyllum

7581. *Rhipsalis*
(3)
USM F Selby K
Shrub 2 m. tall with pendulous branches on steep rocky hillside. Branches fleshy, rubbery. Sterile.
Live.

7582.

(1)
Selby F
Vine in hillside forest. Cactus.
3-ribbed. Sterile.

7583. *Anthurium clavigerum*

(1)
Selby #
Epiphyte + on rocks. Live only!
SEL # 78-831

JUL 5 1978

7584. Anthurium

Palvate ~~leaved~~ ~~anthurium~~ ~~epiphyte~~

live tripicolous vine. Sterile.

SEL # 78-878 live only.

7585. Anthurium reflexinervium Croat

(11)

det. T. Croat 1986, 1988!

Rosette bird nest herb

on craggy limestone rocks.

Lvs. shiny both sides, darker green above. Lvs. markedly bullate, with recurving nerves. Petiole short,

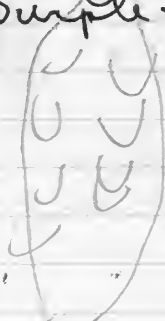


X section. Nerves knife edged above + below.

Peduncle terete erect.

Olive green. Spathe suberect, olive green. Spadix dark red-purple.

= Plowman 5823A.



USM RB NY SEL MO

Woods Selly Banta EIAI Croat foto

SEL # 78-840

JUL 5 1978

PERU: Dept. Huanuco: Prov. Leoncio Prado. Dto. Rupa Rupa. Tingo Maria
Jardin Botanico de Tingo Maria.
5 July 1978

7586. Clusia

Guttif.

(4)

USM
F
NY
u

Spreading shrub on large boulders in shade. Not planted. Petals pale pink. Calyx white. Stamens yellow. Stigmas sticky. Sep. milky white turning red on exposure.

7587. Canna peniculata R. + P.

Cannae

(3)

USM
F
u

Herb 2.5 m tall cultivated in garden. Collected in April 1976 at Cerro San Cristobal, Dept. Huanuco.

Lvs. dark green above, silvery tan beneath. Bracts pale green. Calyx pale green. Corolla ~~light~~ red. Anthers reddish orange with dark red spots. Imm. fruits green, papery lt. brown at maturity. Seeds black.

det PJMMzas 1978

zebrina Plowman, Kress + Kennedy

7588. Heliconia verticillata Loez.

(3)

Herb 8 m tall, cultivated.

USM

F

GB

Collected at Jacintillo in 1976 (cf. Plowman 5900). Lvs. patterned

velvety green above with alternating light + dark green stripes, midrib light green; Red purple beneath.

Petiole green with red margin on adaxially ridge.

Live:
EIAI

A. FLORIBUNDUS (P. & E.) RADLK. [F.D. PENNINGTON 1991]

7589. Allophylus punctatus (P. & E.) Radlk. Sapind.

(5)

Tree 6 m. tall; Not planted.

USM

OXF

F
M6

Perianth pale green. Imm. fruits shiny green. det. R. Lillster 1983.

Otoba parvifolia (Maff.) Gentry Myrist.

7590. Dialyanthera parvifolia Merckgraf.

(4)

Tree 8 m. tall. (Lvs. un-

USM

F

INPA

NY

undulate, Shiny dark green above, pale glaucous green with yellowish nerves. Fruits broadly obovate, shiny green 3-4 cm diameter.

cf. Plowman 5948. (fl.) ^{same} tree

det. W. Rodrigues 1979

7591. Grias peruviana Miers Leyth.
 (3) Unbranched tree 8 m tall.
 USM F NY
 FLS. cauliflorous. Petals
 fleshy, pale yellow ~~filaments~~
 Filaments pale yellow.
 Cultivated. Collected at
 Tarapoto. det. T. Plowman 1981.
 ! S. Mori 1985

7592. Stigmaphyllon sp. ARGENTEUM Malpighiac.
 (5) Liana, not planted.
 USM F MICHA U P
 Lvs. dark green above, pale
 glaucous green beneath, FRS.
 yellow green, tinged pink
 det. W. R. Anderson 1979.
 C. ANDERSON 1995

7593. Centropogon cornutus (L.) Druce
 (3) Herb 1 m. tall. Stems
 USM F AAR K
 lt green. Petiole white. Lvs.
 semi shiny green above; shiny
 lighter green beneath with
 red-purple nerves. Pedicel +
 calyx lt. green. Corolla tube bright
 rose pink, lobes pale pink.
 n. v.
 det. C. Niezgodna 1980.

JUL 5 1978

7594. ~~Polycourea~~ Polycourea cymosa (R. + P.) Standl.

(3) Cult. shrublet 0.5 m. tall.

USM
us

Poduncle dark purple. Rachis + pedicels magenta. Fruits purple-black when ripe. Calyx dark purple in fruit.

F
At Fernandez live

det.:

J. Kirkbride 1978

7595. Costus sp. nov.

(2) Cult. herb 1 m. tall.

u
F
live
Selby
EIAI

Collected at Aspuzana in 1976. Lvs. dark green above with whitish hairs, shiny red-purple beneath. Stems dark red purple. Sterile. [cf. Plowman + Davis 5054.]

7596. Anthurium brevipendunculatum Madison

(2) Cult. Climbing epiphyte on large boulder. Collected at Aspuzana in 1976.

F
K

Lvs. shiny green above, pale glaucous dull green beneath. Spathe erect, abaxially dull green, adaxially purple. Perianth green. FRS. red-purple.

7597. Alpinia purpurata Vieill. ex K. Sch.
Brought as wild Renealmia
from Moyobamba.

→ Mansoa standleyi (Steud.) A. Gentry 1980.

7598 Pachyptera standleyi (Steud.) A. Gentry.
(3) N. v. Ajo Sacha
Cult. vine 6 m. tall.

F
MO
K
Growing at Castillo, Bar-
Restaurante 'Ajo Sacha'.
Corolla magenta. Lvs shiny
med. green above, lvs shiny
beneath, strong odor of garlic.

LIMA 11 July 1978

JUL 11 1978

7599. Brugmansia versicolor
(+) Cult. treelet 5 m.

asm
F
K
Gth

Fls. pendulous, pedicel
lt. green. Calyx lt. green,
some turning withered + brown,
abscising at base at anthesis.
Corolla tube lt. green in lower
half (constricted part), apically
~~white~~ white with green nerves.
Teeth reflexed, margin
entire (not notched). Fragrant
in early evening.

JUL 11 1978

Lima 11 July 78

7600. Erythroxylum horvognanense

(10)
F

Cult. shrub 1.6 m. tall.
in Lima garden. Planted ~~by~~

6 Feb. ~~March~~ 1976 from seed collected
at El Bordo, ^{Colo}Colombia

(Plummer + Vaughan #5373).

Bark reddish brown. Twigs
& branches leafy. Lvs. sub-
erect, ^{br.}yellowish green; dull
above, paler green beneath
with prominent lines,
areolae nearly concolorous,
margin slightly revolute,
leaves thickish.

Buds near base of branches
creamy yellow.

F
U
COL
K
US
KON

8 July 78

7601. Famia lindenii Regel ex André

F
K

Peru: Dept. San Martín.

Between Tarapoto and
Moyobamba.

Coll. J. Schumbe s.n.

Seed

7602. Chenopodium

"Tocra"

Anise + sugar flavored

→ L. Rivin Quinoa purchased in
Lima market (La Parada).

July 1978.

S/S each. "Fingers" = in size +
shape - floured.

7603. Musa

"Tocra"

Coarse tocrá made
from Platano.

Bought in Lima, market
(La Parada).

July 1978.

Amorphous mess.

7604. Limestone

Source of homemade cal (lime)
at Tocache, Dept. San Martín,
PERU. July, 1978.
Rocks brought from Río Hua-
quisha.

7605. Lime

35.
St. River
~~St. River~~ Homemade lime made
by heating rocks to red-hot
and placing them in water.
This water is boiled down
to yield lime.
Tocache, Dept. San Martín,
PERU. JULY 1978.

7606. Lagenaria siceraria
"poro" "mate"

ECON

F

Grounds purchased in
market in Tingo Maria.
Used for Coca chewing as
lime pots. 10 July 1978

7607. *Lagunaria Siceraria*
"poro" "mate"

ECON

Grounds purchased in market
in Tingo Maria. Used for
Coca chewing as lime pots.
10 July 1978.

7608. *Mussatia hyacinthina* (Stenl.) Sander. Bignon
"Chamzyro" det TP1981. ✓

F
ECON

Bark strips purchased
in Lima, La Parada
market, 9 July 1978.
Reputedly from Chanchamayo.
Chewed with Coca

7609. Heliconia aff. humilis

(F)

det Kress

Collected at Mera, Prov.
Pastaza, Ecuador, Nov. 1974.

live
Hawaii Forest
EIAI
Hawaii
John Kress

Herb. 1 m. tall in forest.
Lvs. with red stripe on midrib
above & below. = Kress 79(1052
79-1052

Harrisburg, Penna. 5 Aug 1978.

7610. Impatiens cf. pallida Nutt.

(1)

Herb. Fl. white.

see also Jane Ploumen, s.n., (F).

7611. Erythroxylum coca Lam.

F

ex 4610F ex 4711 VOUCHER

Cult. Cambridge. SPECIMEN
Chicop.

7612. Erythroxylum novogranatense

= 7351

var. truxillense VOUCHER
n. v. truxilla, Coca SPECIMEN

Vouchers Peru: Dept. La Libertad. Trujillo
area.

Received 10 Apr. 1978.
Import Permit # 15281.

16 Oct 1978

7613. Peperomia tristachya H.B.K.
(1) det. T. Plowman 1979.
SEL Cult. herb. Collected in
Colombia: Cundinamarca. Apulo.
Ex. 4187.

14 Nov 1978

7614. Dichonandra thyrsiflora

(2)
F-2 University of Chicago Green-
houses.

B+W color

fotos

BH

Cult. herb 0.5 m. tall
Grown from cuttings obtained
from a garden in Lima, Peru,
from a large clump 2.5 m.
tall, 2 m. in diameter.

UC greenhouse 5 Dec 78.

7615. Anthurium polyschistum R.E. Schult. + Idrobo.

(1)

F

Cult. scandent vine. Spathe
reflexed, coiling, ^{purplish} lt. green. Spadix
dull green.

Origin unknown.

April 30, 1978. Woburn, Mass.

7616. Abelmoschus moschatus Medik.
(2)

F
BAH Cult. Suffrutescent herb, 1 m. tall.
FRS. pale green, turning brown
at maturity.

UNIVERSITY OF CHICAGO
GREENHOUSE. 11 May 79.

7617. Erythroxylum confucium Britt.

From Fairchild Trop. Gard. #73-265.

Grown from seed.

Sown. 29 Nov 1976,

Rept. 17 Oct 1978.

7618. Erythroxylum coca var. ipadu Plowman
"ipadu"

~~Result of Cross 6183 x ?~~
Amazn.

Sown 8 Jan 1977, Rept 11 Oct 78

VOUCHER

SPECIMEN

7619. Erythroxylum coca Lam. var. coca
~~ipadu Plowman~~

~~Result of Cross 6292 x 6183.~~

27 Oct 1977 - 1 seed.

Sown 23 Jan 1978.

(F) NY
MA
COL ECON
DUKE
US
BH

Cutting sent to J. Duke Dec 24, 1986.

7620 Erythroxylum coca Lam.
Ex 4711.
Rept 4 Nov 1978.

7621. Erythroxylum coca Lam.
Cutting of 5792.
Rio Mishollo.
Rept 4 NOV 78.
Died May 1984.

F
OS

7622. Erythroxylum coca **VOUCHER**
(1) "ipi" var. ipadu Plowman **SPECIMEN**
F-2 Ex cutting of 6663.

7623. Erythroxylum coca var. ipadu Plowman
n. v. ipi
Ex cutting of 6663.

7624. Erythroxylum coca Lam. var. coca.

Cross: 6114 x 6170.

~~Planted~~ 17 NOV 1976.

Planted Seed 3 MAR 1977.

Report. 11 Oct 1978.

7625. Erythroxylum coca Lam.

Cross

Ex 6183 Amazon x VOUCHER

2 Sept 1977.

SPECIMEN

Report. 4 Nov. 1978.

U. Chi.

F
US
NY

7626. Erythroxylum novogranatense
(Morris) Hieron. var. novogranatense

Result of cross:

6196 x 6207.

7 Dec 1977.

Planted 22 Feb 1978

Report 11 Oct 1978.

Sent to Kampong. 20 Jun 85.

F-2

MO
NY
ECON
US
MARY
TEX
CM
WS
DAV
HUT
QCA
W
CR
PMA

HMM
RB
CTES
P
MA

7627. Erythroxylum novogranatense (Morris)
(1) var. traxillense (Rusby) Plowman
JAUM Trax. S.N.

8 June 1979.

7628. Zamioculcas zamiifolia

(1)

F

Succulent herb. Spathe
green, reflexed at anthesis.
Spodix orange.

7629. Ctenanthe sp.^{cv.} "Burl Marx"

(1)

det H. Kennedy 1979.

→HK

Cult. herb. from John Banta.
Ex hort. Lvs. banded whitish
and dark green above, dark
purple beneath. Bracts
yellow green.

Petersham, Mass. Apr. 29, 1979.
Cult. Harvard Forest.

7630. Tetrapteris Sp. nov.

(3) → Mascegnia betthamiana (Griseb.) W. Anderson

F
Mo
NY
Cult. vine. Grown from cutting
↑ Plowman 5865; Tingo Maria.
dup. det Anderson 1982 M. STANNEA (Gr.) NIED.
W. ANDERSON 1991

7631. Brouffelsia

(3)

Cult. shrub grown from ~~root~~ -
~~cutting~~ cutting brought from Peru.
Original plant: Plowman + Schumaker
7400. Lvs. dull, rubbery, dark
green above; light dull yellowish
green beneath. Sterile.

7632. Brouffelsia puciflora (C. + S.) Benth.

(1)

F

Cult. shrub. Result of cross
Plowman 3392 (ex hort.) x
Plowman 2739 (ex S. Brazil).

1633. Alocasia x amazonica
(1) (A. penderiana x A. lowii)
F Cult. herb.
Ex hort. (Florida, J. Benta).

7634. Eucrosia (Collipsocha) aurantica
(2) (Baker) ~~FRANCO~~ ^{PAX} Comb. nov.
F Cult. bulbiferous herb.
K Bulb white with thin brown
MO covering. Lvs. semi shiny,
rubbery. ~~Fls.~~ ^{Petals} greenish
yellow at center, pale yellow
at margins, ~~stamens~~ filaments
& style green.
Ex Plowman et al. 4600.
Ecuador. DET. A. MEEROW 1986

7635. Diplopteris (skrerana) (Cuatrecasas)
(3) Gater
F Cult. vine. Ex Plowman 6040.
ECON from Tarapoto, PERU.
K

7636. Peperomia tristachya H.B.K.
(3) det. T. Plowman 1979.

Ex Plowman 4187.
Colombia.

F
U
VEN

7637. Anthurium

(1)

F

Ex hort. Selby.
Pendulous epiphyte.

7638. Bumfelia portoricensis Kr. + Urb.

(2)

F
K

Ex Vivaldi 515, cutting
sent from Puerto Rico, Luquillo
Nat. Forest.

7639. Erythroxylum shatone Macbride

(5)

(F)

MO

U

P

QCA

Cult. Shrub 1 m. tall. Lvs.
dark shiny green above, lvs.
shiny, yellow-green beneath.
Sterile.

Ex Plowman 6046.

8 June 1979. Chicago -

7640.
(1)

Ctenanthe sp. cv. "Purple Tiger"
det H. Kennedy 1979.

HK

Cult. herb. Lvs. banded dark green and ~~striped~~ ^{light green} above, dark red purple beneath. Sterile.

2 July 1979

7641.

(1)
F

Hementhus katherinal Bak.

Cult. bulbiferous herb obtained from Harvard Forest. Fls. pink.

Petersham, Mass. 29 Apr 1979.

7642. Anthurium truncicolum Engler.

(2)

F
MO
K.

Scandent herb 1 m.
Grown from cutting collected in Ecuador, Prov. Napo.

1974-75.

This plant now at Arnold Arboretum.

Bedford, Massachusetts.
July 10, 1977. Vegetable Garden.

7643. Allium ampeloprasum L.

(2)
n. v. "Leek"
F
BH
Coarse cult. herb grown
Fls. white. from commercial seed.

7644. Tropopogon porrifolius L.

(2)
n. v. "Salsify" "oyster plant"
F
BH
Cult. herb 1 m. tall, grown
for roots, from commercial seed.

7645. Digitalis purpurea L.

(1)
F
Cult. medicinal herb to 1 m.
tall, selfseeding. Fls. white to
deep pink with dark purple spots
in throat.

7646. Arctium lappa L.

(2+2)
F-2
BH
n. v. "giant burdock" "koku"
Coarse giant biennial herb
cult. for starchy roots. Fls.
pale purplish.

7647. Hydrastis canadensis

(1)
F
Cult. herb in apple orchard.
FR. red. seeds shiny, black.

8 Mar 1977. Woburn, Mass.

7648. Monocostus uniflorus

(1) Cult. herb. Fls. pale yellow.

F Grown from cutting of Plowman
6050.

Tim:

The taxonomy of Bothrops is in miserable condition in the literature and our holdings are not very strong for Andean species. Tentatively I would call the big one from Huanuco Bothrops xanthogramma and the small one B. castelnaudi, but I won't have time to really confirm these names until I get back in September. José should have your vial down in the basement.

Ken Miyata

Tim Plowman

The Botanical Museum

Dead Cores El A)

6115

6121

6146

6119

6151

PT 136

Tetrapteris

7400

7582

7565

7474

7573

1078

1907



1978

AMICA MUTUAL INSURANCE COMPANY

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JAN	1	2	3	4	5	6	7	JUL	—	—	—	—	—	—	1
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	22	23	24	25	26	27	28		16	17	18	19	20	21	22
	29	30	31	—	—	—	—		23	24	25	26	27	28	29
FEB	—	—	—	1	2	3	4	AUG	—	—	1	2	3	4	5
	5	6	7	8	9	10	11		6	7	8	9	10	11	12
	12	13	14	15	16	17	18		13	14	15	16	17	18	19
	19	20	21	22	23	24	25		20	21	22	23	24	25	26
	26	27	28	—	—	—	—		27	28	29	30	31	—	—
MAR	—	—	—	1	2	3	4	SEP	—	—	—	—	—	1	2
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	23	24	25	26	27	28	29		29	30	31	—	—	—	—
MAY	—	1	2	3	4	5	6	NOV	—	—	—	1	2	3	4
	7	8	9	10	11	12	13		5	6	7	8	9	10	11
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JUN	—	—	—	—	1	2	3	DEC	—	—	—	—	—	1	2
	4	5	6	7	8	9	10		3	4	5	6	7	8	9
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