

6897

RECORD

167  
CRPT  
BOT  
Plowman  
014

TIMOTHY PLOWMAN  
BOTANICAL MUSEUM  
HARVARD UNIVERSITY  
CAMBRIDGE, MASS. 02138

VERNON



## ACCOUNT BOOKS

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JOURNAL  
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VERNON ROYAL, INC. Elizabeth, N. J. 07208

MADE IN U.S.A.

Plant Collections in PERU, Dept. Loreto,  
Prov. Maynas.

Collected by T. Rowman,  
O. Touzr + R.E. Schultes.

April-1977

CLIP

WEEK

BRILLO

NUEVO

Peru: Dept. Loreto. Prov. Maynas.  
Rio Yaguas yaco, affluent of Rio  
Ampiyaco. Brillo Nuevo.

16 Apr 1977.

6897. Hyptis pachycephala Epling Labiat.  
USM (5) Herb .8 m. tall in secondary forest  
GH MO Margin. Lvs. purplish beneath.  
F K Bracts + calyces lt. green. Fls. white.  
det. R. Harley 1979.

6898. Paspalum virgatum L. Gram.  
GH USA (4) Herb 2 m. tall in open pasture. Infl.  
US K dark purple det. O.T. 1977.  
fenuis (Presl) Hitchc. + Chase

6899. Ichnanthus ~~candicans~~ (Nees) Doell Gram.  
GH USA (4) Herb in chacara. det. O.T. 1977  
US K 1980.

6900. Virola elongata (Bth.) Warburg Myrist.  
(6) Tree 20 m. tall, trunk 20 cm. DBH.  
Bark lt. brown, yellowish within, resin  
turning dark red on exposure. Lvs. shiny,  
dark green above, pale whitish green be-  
neath, margin distinctly undulate. In  
flood forest at river margin.

Voucher Paste made Holmstedt + Lindgren  
USM ECDW (5) N. v. "cumala" "cúu rucó" (Bora)  
US Inner bark chapped Kürduco  
KF MO Resin boiled down into narcotic paste.  
U det. W. Rodrigues

16 1977

BRI LAPR - 1977

NUEVO

Dioscor.

6901. Dioscorea trifida L.f.

(5)

n.v. "sacha papa"

Cult. vine in houseyard. Tubers eaten. det. B.G. Schubert 1981.

USM  
GH  
F  
K6902. Capsicum chinense Jacq.

Solanc.

(2)

n.v. "aji"

det. W.H. Eckburg L 1982.

Cult. shrub 1 m. tall. FRS. pendulous, yellow turning red at maturity. Fls. nodding, petals cream.

ECON  
F6903. Pourouma cecropiifolia MART.

Morac.

(7)

n.v. "uvilla"

Cult. tree 6 m. tall. Lvs. dark green

above with ascending laminae pale whitish green beneath with yellow nerves. FRS. green, turning dark purple at maturity, fleshy. FRS. eaten.

USM  
F  
GH  
US  
K6904. Lygodium volubile Sw.

Fern

(6)

Climbing fern in flood forest on river bank. det. R.G. Stolze 1978.

K  
GH-2  
USM  
F-26905. Brumfelsia grandiflora D. Don

Solanc.

(3)

Cult. shrubs 1.5 m. tall in house-  
yard, transplanted from adjacent forest  
for ornament. Lvs. rubbery, subcoriaceous,  
bullate, yellowish green above. PedicelK  
USM  
GH  
F

↓ calyx H. ~~green~~ yellowish green. Corolla tube pale violet, limb violet with large white "eye" at throat, fading pure white with age. Petals declinate. FR. green.

N.v. "chiric Sanango" = bark of trunk + roots scraped with cold water. Taken for pains of any kind. Gives cold sensation. No name in Bora language.

6906. Pourouma cucura STANDL. + CuATR. Morze.

(4) Small tree to 8 m. tall in forest.

USM  
GH  
F  
US

margin along flooded river bank. Youngest lf pinkish red; lvs. dark green above, pale green beneath, terminal stipule golden yellow-green. Sterile. DET. C.C. BERG + VAN HEUSDEN 1986

Psychomorphis

6907. pusillum Orchid.

USM  
AVES

(2) Epiphyte on tree in chacara. Fls. yellow.

P. parviflorum DUCKE (H. v DER WERFF 1988)

6908. Pleurothyrium densiflorum Laureceae

(FR)  
USM  
GH  
F

(3) Tree on river bank in flood forest. Calyx brown, verrucose. Fls. yellow at maturity.

det. H. v. der Werff 1986.

APR 16 1977

BRILLO

NUEVO

6909. Combretum rotundifolium Rich. Combret

GH (1)  
Unicoto

Shrub 3 m. in  
flooded river margin. Fls. bright  
red-orange. det. T. P. Bouman 1984.

6910. Heisteria?

(3)

n.v. "chuchubasi"

Bark purchased in Leticia,  
Colombia. 1 kilo. for 30 pesos.

Use: Bark chopped and added to  
cachasa (cane alcohol). Used as  
general tonic, against pains and  
for rheumatism.

17 Apr 1977. Pebas.

US 6911.

Panicum ~~sp~~ chloroticum Nees Gram.

USM (3)  
Glt

~~det. O. T. 1977.~~ det. Renvoize 1980.

6911a. Desmoncus

Palm

Seeds

Climbing palm on flooded river  
bank. Frs. red.



PUCA URQUILLO

Peru: Dept. Loreto. Prov. Maynas.  
Rio Ampiyacu. Pucatorquillo.  
18 Apr 1977.

(A) 6912. Odontadenia macrantha (R. + S.) Mg. Apocyn.  
USM (F) Vine in flooded thicket on river  
F MO K bank. Corolla tube yellow, lobes pale  
GH 5 orange. det. Th. Fallon 1980.  
US (A) FL. -> M. Fallon, herb. Z.

6913. Drymonia uda Wiehler ined. Gesner.  
GH (F) Vine in primary forest. Lvs.  
USM cortaceous. Bracts + calyx car-  
F mine red, Corolla yellow.  
D. COCAINEA (AUBL.) WIEHLER det. H. Wiehler 1978.  
DET. L. ESKR6 (US) 1997

6914. Plicourea bracteosa Standl. Rubiac.  
(4) Shrub 3 m. tall in forest. Rachis  
USM bright yellow. Calyx pale green.  
GH F white. det. T. Plowman 1978  
K

6915. Geonoma juruana Mart. Palmar  
(7) Palm 5 m. tall in forest.  
USM Rachis orange. FRs. green, turning  
GH black at maturity.  
K F det. H. E. Moore, Jr. 1979.

6916. Carpotroche longifolia (Poeppig) Benth. Flac.  
(5) ~~treelet~~ treelet 5 m. tall. FRs. cauliflorous, white.  
USM det. Steumer 1980.  
U  
GH  
F

APR 18. 1977

PUCA URQUILLO

F-2  
GH-2  
P-2  
USM  
K-2

6917  
(15)

Cespedesia

Ochnac.

tree 15 m. in forest.

Fls. yellow.

Trypanthera macrophylla (Bth.) Warb. det W. Rodrig. 1977

Tree at edge of H<sub>2</sub>O but not in it.

6919  
(5) voucher  
USM  
ECON  
F  
INPA

Bark said to be used for paste. Ht. 60-65

ft. Diam. 1 1/4 ft. Bark outside smooth, dirty brown; light tan inside. Very rapidly turning red on inner surface bark when stripped. Lvs. green beneath.

Virola surinamensis (Rol.) Warb. det Rodrig. 1977

Standing in H<sub>2</sub>O. Lvs. green grey

6918  
(5) voucher  
USM  
ECON  
F  
INPA

beneath. Bark smooth, dark black-brown.

Slady turning red on inner surface. Said to be used for paste but ~~characteristic~~ ~~found same~~

Tree 20-30 ft. Curcula. naja

6920 On tierra firme. Forest. Tree 60 ft., diam.

(6) 10". Bark smooth, tawny brown outside,

voucher light inside, rapidly turning red on stripping 3-5 min. Lvs. grey green beneath. Curcula

blaven,

Virola elongata (Bth.) Warb.

det W. Rodriguez 1977.

USM  
ECON  
F  
K  
US  
V  
INPA

PEBAS

Chem. mat in EtOH → Hank Fales, NIH APR 18 1977  
22 May 85

Soleneo

6921. Brumfelsia grandiflora D. Don  
(10) n.v. chiric Senzugo.

USM

F  
G4  
4  
NY  
P  
US  
SEL  
S

Shrub 3 m. tall in secondary thicket near Pebas. Trunks multiple about 10 cm diameter at base. Bark on lower trunk H brown with horizontal warty lenticels. Young stems green. Lvs. acute with ascending laminae, medium green above, paler green beneath, dull. Pedicel &amp; calyx pale green. Corolla tube white to very pale violet. Limb violet fading to white with age. "eye" yellow. FRs. green.

A → K

6922.  
(3)  
An voucher  
ECON  
F  
KErythroxylum coca Lam. var. ipadu  
Fresh lvs. purchased at Pebas.6923.  
(3)  
voucher  
ECON  
F MOErythroxylum coca Lam. var. ipadu  
Fresh lvs. purchased at Pebas.6924.  
(3)  
voucher  
ECON  
F USErythroxylum coca Lam. var. ipadu  
Fresh lvs. purchased at Pebas.6925. Ayahuasca Drink  
Purchased from José Criollo  
Pebas, Peru

APR 18.1977

6926. <sup>f</sup> Croton lechleri Muell-Arg.

Sangre de Grado.

"Resin" from tree. Bought from  
Iquitos, Bought in Pebas.  
350 soles 1 liter.

1/2 bottle to Don Jerima, NIH.

= Hemkeshio phyton ulsi (Dommer) ←  
Hunziker

PEBAS APR 19 1977

Peru: Dept. Loreto. Prov. Maynas.  
Pebas. Forest behind town.  
19 Apr 1977.

6927. Psychotria jayurensis M. Arg. Rub.  
(3) Shrub 1.5 m. tall in secondary  
voucher forest. Petiole red-purple. Fks. dark  
USM green. det. D. Simpson 1977.  
EON  
US K F

6928. Periconia vulgaris Tutin Gram.  
(1) Herb in forest. Lvs. yellowish green  
USM above, dull glaucous green beneath,  
unicate petiole purple. Bracts purplish brown.  
Spikes yellow-green. det. O.T. 1977.

6929. Markea cf. ulii Dammer Solanec.  
(3) Epiphytic shrub in crotch of  
aut voucher tree in forest. Roots forming tangled  
USM mess housing ant colony. Sterile  
GH forming thick, fleshy, potato-like tubers.  
F (=Blum R637)

6930. Lindackeria paludosa (Benth.) Gilg Flacour.  
(10) Tree 18 m. tall, trunk 20 cm  
DBH, somewhat flanged toward base.  
Chem. Voucher Bark reddish brown, very thin; wood  
USM hard, pale yellowish. Fks. green  
U turning yellowish-brown.  
F GH  
US  
K NY S Alkaloid negative H. Sleumer 1979. det.

APR 19 1977

PEBAS

6931. Coccoloba parimensis Benth. Polygon.

GH  
USM  
F K

(4) Small tree 6 m. tall in secondary forest. Frs. green. det. R.A. Howard 1984.

6932. Tococa cf. juruensis Pilger Melzst.

(4)

ant voucher  
USM  
US  
ECON  
F

Shrub 1 m. tall in secondary forest. Frs. dark blue-purple at maturity. Ant plant: Chromolaena sp. det. J. Wurdack 1977

6933. Dilkea

(2)

USM  
F

Shrub 1.5 m. tall in forest. Fls. white.

6934. Tococa Czquetana Sprague (syn. T. microantha)

(3)

ant voucher  
USM  
US  
ECON

Shrub .6 m. tall in moist ravine in forest. Rachis deep carmine red. Ovary deep pink. Ant plant: det. J. Wurdack 1977.

6935. Floscopa

Comnelinac.

(2)

USM  
≠

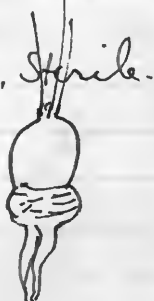
Herb in moist forest. Costa + nerves red-purple beneath, Rachis + calyx pale green. Petals white.

6936. Calathea cf. microcephala Marant.

- (3) Low herb in moist forest. Lf. sheaths red purple; petiole olive green, pulvines purplish brown; blade dark dull green above, red-purple beneath, rubbery. Peduncle + bracts dark red-purple. Capsule brown. Seed bright pink with white aril. det H. Kennedy 1978.
- (A)  
USM  
F  
GH

6937. Fernia

Zamiac.



- (3) Cycad in cut over forest, sterile. Live  
Leaf 3. Stem bulbous constricted below middle. Upper part white, smooth, lower part light brown, corky-rugulose. Only one seen.
- USM  
GH  
F

6938. Heliconia stricta Huber det. L. Andersson 1979.

- (3) Herb 1m. in shade forest. Infl. erect, plane. Reclus. Earmine pink. Bracts deep earmine pink with white margin. Bracteoles white. Ovary white. Perianth white in basal  $\frac{2}{3}$ , yellowish green in apical  $\frac{1}{3}$  with short white tip. Lvs. held in one plane. ~~Only one seen~~. det P.J.M. Moss 1978.
- (A)  
USM  
GH  
F

APR 20 1977

PEBAS

Peru: Dept. Loreto. Prov. Maynas.  
Pebas, Rio Ampiyaco.  
20 Apr 77.

D. Don

GH  
Ecol  
(8)  
Voucher  
USM  
U NY  
F K  
MO

6939. Brumfelsia grandiflora

Solanec.

n.v. chiric Janango.

Shrub 2.5 m. tall. Fls. violet  
fading to white. FRs. green.  
Secondary thickets.

6940. Psittacanthus cucullaris (Lam.) G. Don foranthae.

F  
GH  
USM  
K  
U

(5)

Hemiparasite on trees along  
riverbank. Calyx + pedicel red.  
Corolla tube basal red, yellow  
in apical half, lobes yellowish,  
recurving.

n.v. "Suelta con suelta"

~~6940~~. Lvs. chopped up with cold ~~water~~  
or hot water. Used externally for pruny  
wounds, skin diseases.  
det. J. Kuijt 1980.

6941. Struthanthus sp.

Loranth.

USM  
F  
GIT  
K  
US  
U  
Ecol

(7)

Hemiparasitic shrubs on tree  
along river bank. Fls. creamy-  
white.

n.v. "Suelta con suelta"

Same use as 6940.

det. J. Kuijt 1980.



Peru: Dept. Loreto: Prov. Maynas, Rio

APR 20 1977

Ampiyaco near Pucaorquillo.

20 Apr 1977

*Weigeltiana* (Rchb.) Ktze.

det. R.A. Howard 1984

6942. *Triplaris surinamensis* Chamisso

Polygon.

ant. warden

(4) n.v. "tangarana" det. J. Brandbyge 1982.

Frequent tree along open flooded

river bank, 8 m. tall. Stipules reddish (or yellowish green) sterile.

Inhabited by *Pseudomyrmex* ants.

USM  
ECON

+ first lf.

F  
K

GH 6943. *Paragonia pyramidata* (L. Rich.) <sup>Bur.</sup> Bigoniac.

F  
USM  
MO

(5) Vine in margin of flood forest along river bank. Calyx dark rust-red.

*Poroula magenta* pulch. det. A. Gentry 1978.

6944. *Alchornea latifolia* Sw. Euphorbiac.

USM  
K  
F  
GH

(4) Tree 15 m. tall with broad spreading crown. Leafless, ♀. Fls. + frs. green. det. J. Webster 1978.

6945. *Astrocaryum vulgare*. Palmae

(20) n.v. "chambira" =

USM  
F  
ECON  
GH  
K

Palm in secondary upland forest near Pucaorquillo, 20 m. tall, trunk 30 cm DBH, with <sup>concentric</sup> rows of long spines. Lfs. ascending, petiole 3 m. long, ~~blade~~ very spiny, blade 6 m long. Infls. <sup>3</sup> erect, 2 m. long. Frs. green, seeds edible.

usi: Fiber stripped from unopened leaflets in

APR 20 1977

Crown, dried in sun + twisted to make strong cord for bags, hammocks etc. Tree usually felled to obtain fiber.

6946. Oryctanthus florulentus (Rich.) Urban Lovault.

(b) Kew parasite on Erythroxylum coca in plantation. FRS. ~~FRS~~ green turning red. det. C.W. Greene 1978  
Gth (on 6989)

APR 21 1977

PEBAS Apr 1977. Pebas Rio Ampiyaco.

6947. Bourea cuspidata var. densiflora (Steyer.) E. Forero. ~~Raf?~~

F USM (4) Liana in flooded open river bank. FRS. white, fragrant. det. M. Liebman + T. Plummer 1978  
Gth K

(948) Aechmea chantinii (Garr.) Baker Bromeliac.

(1) Photo Epiphyte on tree trunk on river bank. Rhizome ~~is~~ creeping, appressed to tree. Scape + major bracts bright red. Rachis pale green. Infl bracts red. Perianth pale green. det. L. B. Smith 1984.  
Gth F

K F 6949. Triplaris americana L. det. J. Brendbyge 1982

USM ESCAN (4) Tree 6 m. on flooded river bank. lf. dark dull green, stipule lt. green. Sterile. ~~det~~ Voucher

APR 22 1977  
PUCA URQUILLO

Peru: Dept. Loreto. Prov. Maynas.  
Rio Ampiyaco. Pucallpa orquillo.  
22 Apr 1977.

- (A) → F6950. (3)  
USM  
GH  
F → holotype
- Policonrea plowmanii D. Simpson sp. nov. ined.  
Herb .4 m. tall in secondary forest.  
Lvs. very dark, velvety green above  
with pink <sup>costa +</sup> nerves; bright red-purple  
beneath. Peduncle pale purple. Rachis +  
bracts + calyx bright yellow. Corolla ~~the~~  
yellow at base, tube red, lobes black with  
yellow margin abaxially, yellow adaxially.  
Det. D. Simpson 1975.

6951. Micrandra spruceana (Baill.) Schult.  
(10)  
Tree <sup>6.5</sup> m. tall with buttresses;  
forming interwoven props at base; <sup>upland</sup> primary  
forest. Fruit green. Latex white, sparse.  
Seeds brilliant, smooth, red-brown.  
! K.L. FORSGARD 1991 det R.E. Schultes. 1977.  
FR. COLLECT.
- Chem  
voucher  
USM K  
GH U  
F E (LOR)  
NY

6952. Anthurium Arac.  
(2)  
Epiphyte climbing on tree trunk in  
primary forest. Lvs. rubbery, dark green  
above, somewhat shiny, pale green beneath.  
Peduncle erect, lt. green. Spathe erect,  
reddish purple, spadix creamy white.
- USM  
GH

6953. Ischnosiphon bambusacea Mercur.  
F (1) Vine in primary forest. Bracts  
lt. green.

F K USM GH (3) ~~6954~~ Aparisthium cordatum (A. Juss.) Baill. Euph.  
Shrub 1.5 m. in primary forest  
along trail. Fls. cream.  
det. G. Webster 1978.

6955. (1) Moss on tree trunk in primary  
forest:  
= Irbachia alata (Aubl.) Maas subsp. alata

6956. Stolonanthus alatus Gleason. USM (2) Herb in chacara. Fls. greenish  
yellow. det. P. J. M. Maas 1985.  
n.v. "hai-bi-ki (Huitoto)"  
root used for stomach ache.

→ Hawkdisphyton ulai (Dumr.) A. T. Hung.

6957. Markea ulai Dummer Solanec. (WD) (5) Epiphytic shrub with arial  
tubers on roots, infested with ants.  
(A) → K Growing on small trees along trail  
in secondary forest. ~~Fls.~~ Calyx  
pale green. Corolla pale creamy  
yellow. FR. white.

USM F. 3 Mo. 2 with Markea sp. (1988)  
GH US U K-2 Crematogaster sp. (red sp) = Blum  
R640

Solanec.

6958. Markea formicarum Dummer

(6) Epiphyte shrub with aerial tubers on roots, infested with ants. Growing on small trees along trail in secondary forest, with Markea (6957). Calyx pale yellowish green with darker green nerves. det. TP 1977.

fotos  
① → K  
voucher  
USM  
GTH  
F US  
MO K

6959. Neutilocalyx

Gesneriad.

(2) Terr. herb in secondary forest. Lvs. dark purplish brown above, reddish purple beneath. Calyx pale green. Corolla white. det HU '81

USM  
GTH

6960. Miconia carassana Cogn.

Melast.

(4) Shrubs 1.5 m. tall in primary forest. Petals white. Filaments yellow turning orange. det. J. J. Wurdach 1978.

USM  
US  
GTH  
F

6961. Calyptracarya bicolor T. Koyama

Cyperac.

(3) Despitose herb in primary forest. Leaf bases & undersides dark purple. det. T. M. Koyama 1978.

USM  
F  
NY

(962. Paradrymonia ciliosa (Mart.) Wiehler

Gesneriac.

(3) Epiphyte herb on tree trunk. Calyx dark red. Corolla pale yellow with red hairs. det H. Wiehler 1978.

SEL  
USM  
GTH

PUCA URQUILLO

APR 22 1977

6963.

Loranthac.

usm  
GH (2)

Epiphytante on 6964. (M M M)  
Corolla bright red.

6964.

Rub.

F (1)  
unicate

Treelet 5 m. FRS. green.  
Primary forest.

6965

Gram.

us  
usm  
(3)  
voucher

Ichnanthus panicoides Beauv.  
Herb <sup>to</sup> 10 m. tall in primary  
forest. det. O.T. 1977.

6966.

usm  
GH.

(5)

Polypodium megalophyllum Desv. Fern  
Climbing fern on tree trunk.

F  
K

Rhizome ~~stems~~ fleshy, flattened, appressed  
to trunk <sup>but</sup> ~~with~~ ~~between~~ but convex  
with air space ~~with~~ between.  
det. R. Stolze 1978.

6967.

Gram.

us  
voucher  
unicate

Perizoma sp.  
(1) Cepitose herb in primary forest. ~~LS~~ LVS  
~~plant~~ dark bluish ~~purple~~ green  
above, dark purple beneath.

6968.

Anthurium polyschistum R.E. Schult.

usm  
GH  
SEL  
F

Climbing herb in secondary  
forest. Sterile. Costa 2 late adaxially.  
det. T. Plowman 1977.

PEBAS APR 23 1977

Peru: Dept. Loreto. Prov.

Maynas

Pebas. 23 Apr 1977.

6969. Caladium bicolor

Arac.

USM  
F  
GH

(3)

Herb in chacara. Lf. dark green with whitish spots. Spathe green. Use: tuber chopped up and used as a poultice on snake or ant (Isula) bites.

6970. Gynerium sagittatum (Aubl.) Beauv.

Gram.

USM  
ECON  
Voucher (4)

Herb 6 m. tall in flooded river bank. det. O.T. 1977.

6971. Paspalum fasciculatum Willd.

Gram.

USM  
ECON  
Voucher US  
US

(3)

Herb in flooded river bank. det. O.T. 1977.

— Trail from Pebas to Pijuzay.

6972. Heliconia cf. chartacea Lene ex Barreiros

(A) (10)

det PJM M228 1976

USM  
GH  
F  
K

Herb in secondary growth, 4 m. tall. Petiole .8 m, leaf to 1.5 m. Infl. pendulous, spiralled. Rachis pink. Bracts pale pink/ margin pale green, pruinose. Pedicel & ovary cream white. Perianth lt. green, live-women cream at base. Fr. blue-violet. Bractesles lt. green.

PEBAS  
APR 23 1977

H. STANDLEYI MACBR. (DET. W.J. KRESS 1970)

6973 Heliconia rostrata R. + P. Musz. C.

(A) (15)

photo  
USM-3

GH  
F  
K  
copiously  
Musz. 29/1/1978

Herb 6 m. tall in low wet forest along trail. Petiole 1 m. lf. blade 2 m. Infl. pendulous, planar. Bracts erect, red. Lt. green in <sup>axial</sup> ~~axial~~ <sup>1/4</sup>. Bractlets pale green. Pedicel + ovary creamy white. Petal + white, blue. Lt. green. Fls. dark blue.  
det. P.J.M. Muz. 1978.

6974 Calochea capitata (R. + P.) Lindl. <sup>Muz. C.</sup>

(10)

det. H. Kennedy 1978.

USM-2

F  
GH

Herb 3 m. tall in low wet area in forest. Infl. ~~to~~ to 1.5 m. tall. ~~Fls.~~ Peduncle olive green, reddish at apex. Bracts lt. green. Fls. - pale brownish purple. Lvs. above ~~with~~ dark green with distinct sheen, <sup>pale</sup> green beneath; petiole lt. green, pubescent: dark brown.



6975. Calathea insignis Peters. Morant.

(16) det. H. Kennedy 1978.

USM-3

Herb 4 m. tall in low wet area in forest. Bracts pale green, pale yellow along margins. Bracteoles yellow. Ovary yellow, <sup>lt.</sup> green in fruit. Corolla white. Stamens pale violet. Petiole to 1.5 m., blade 0.9 x 0.55 m. dull dark green above, pale dull green beneath.

Morant.

6976. Monotagma smaragdinum (Lind.) Schum.

(5)

foto

USM

F-2

GH

U sterile

Herb to .8 m. in secondary forest on hillside. Petiole + peduncle light green. Pulvinus yellowish green. Lvs. medium green above with dark green central stripe; pale green beneath with yellowish costa. Rachis lt. green. Bracts yellowish green.

citrifolium St. Hil. Erythrox.

6977. Erythroxylum ~~implum~~ Benth.

(A) → (1)

GH

Shrub 1 m. tall in forest on slope, sprouting from cut stump 2 cm. diam. Lvs. medium green, shiny above, slightly light green

PEBAS  
APR 23 1977

beneath with raised venation.  
Costa lt. green

6978. Orthocladia lata (L. Rich.) Beauv. <sup>Gram.</sup>

(3)

Herb 1 m. along trail in secondary forest. det. O.T. 1977.

Voucher  
USM-2  
ECON  
Glt

6979. Hylaezanthe hexantha

Morant.

(A) GK (6)

Herb in open area along trail in forest. Petiole + peduncle lt. green. Lvs. medium green above with distinct sheen, pale green beneath, pulvinus medium green, costa pale yellow-green. Bracts lt. green. Bracteoles hyaline. Calyx lt. green, translucent. Corolla translucent white. Stamens <sup>pale</sup> yellow.

USM  
F-2  
GH  
U  
K

K  
AM  
USM  
US  
Voucher  
ECON

6980. Andropogon bicornis L.

Gram.

(4)

Herb 2 m. tall in open thicket near town. det. O.T. 1977.

→ Fittonia albivenis (Lindley ex Veitch) Brummitt

6981. Fittonia verschaffeltii det. Plowman 1982.

(3)

Herb in wet forest along quebrada. Lvs. green with white veins. Bracts lt. green. Fls. pale yellow.

GH  
USM  
F

6982. Cassia latifolia C.F.W. Meyer Leg.

GH (3)  
USM  
NY

Shrub 3 m. tall in forest margin along trail. Lvs. shiny above, dull beneath. Calyx mustard yellow. Corolla pale yellowish, pistil orange.  
det R. Barneby 1978

Zingibi.

6983. Dimerocostus strobilaceus O. Kuntze  
ssp. appendiculatus Mazze

GH (4)  
USM  
ant  
voucher

Herb 3 m. tall in open thicket at forest margin. Bracts green. Calyx pale green. Corolla creamy yellow, Labellum cream with ~~red~~ yellow center. Lvs. shiny above.  
det P. J. M. Mazze 1975.

6984. Heliconia episcopalis

Musci.

(3)

USM  
GH-2

Herb 2.5 m. tall along stream in forest margin. Bracts red orange, yellow apically. Lvs. medium green above, dull; shiny lt. yellowish green beneath.

6985. Spathiphyllum

Arac.

(3)

USM  
GH-2

Large Rosette herb in low place in forest to 1 m. tall. Spathe white, ~~red~~ adaxially, turned green; green adaxially. Spadix creamy white.

APR 23 1977

Eragrost

Chem  
ant

voucher

USM  
ECON  
US  
F6986. Miconia lateriflora Cogn. Melastom.

(4) Shrub 2 m. tall in secondary forest along trail. Rachis deep carmine red. Fls. white at maturity. det. J. Wurdack 1977.

USM  
U  
Glt  
F6987. Costus erythrocorone K. Sch. Zingib.

(4) Herb 4 m. tall along trail in forest margin. Lvs. shiny above, dull beneath. Peduncle dark red. Bracts red. Bracteoles white to pinkish. Ovary white. Ovary pink. Corolla + Stamens + staminate bright yellow. det P.J.M. Mez 1978.

6988. Philodendron Arac.Glt  
USM  
SAM

(2) Vine on stump in forest. Lvs. very dark green above, shiny, coriaceous, dull green beneath. Sterile juveniles?

6989. Erythroxylum coca Lam. Erythrox.

(3)

live to  
HBM.

Cult. Shrub 4 m. tall in secondary thicket. Not picked. Fls cream.

Host for Loranth 6946.

Peru; Dept. Loreto Prov. Maynas  
Pebas.

Leg.

(RK) (3) 6990. Campsiandra laurifolia Benth. in Hook.  
n. v. "huacapurana"  
Tree 10 m. tall in forest  
near Pebas. Buds green.  
Use: Bark for wounds.  
det C. Niezgodá 1978.

(FR) (15) 6991. Ficus insipida Willd. Moreac.  
det. C.C. Berg 1978  
Nov. "oje"  
Large tree 20 m. tall in low  
forest. Frs. light green with  
paler green spots.  
Latex used to expel intestinal  
worms. live. ~~Urbina~~ 1981.

USM (3) 6992. Hevea brasiliensis Muell.-Arg. Euphorb.  
det R.E.S.  
Tree 25 m. tall in secondary  
forest. isolated.  
Chem  
voucher  
ECON  
F

USM (4) 6993. Ficus citrifolia P. Miller complex Moreac.  
Small tree 6 m. Frs. green  
F. eximia form

PEBAS  
APR 23 1977

6994. Peperomia glabella (Sw.) A. Dietrich Piperac.  
(2) Epiphytic semi-succulent  
USM herb. det. R. Callejas 1985.  
Fitt used against tumors.

6994A. Cucurb.

seeds from large oval,  
thick walled fruit.

Heteropterys riparia Cuatrecasas  
det W.R. Anderson 1978.

Peru: Dept. Loreto. Prov. Maynas.  
Rio Ampiyaco, between Estirón and  
Tierra. APR 24 1977

6995: Viroba elongata (Bth.) Warb. Myrist.  
(10) n.v. "cumola" det W. Rodriguez 1977

Voucher

Tree 15 m. along river bank.

margin undulate, with yellowish nerves; pale glaucous  
USM F  
ECON U  
K K  
MICH AS  
Lvs. dark green above, shiny,  
whitish green beneath. Infl. rusty  
brown. Bark white-grey.

Resin turning reddish on exposure.

6996. Paullinia nobilis Radlk. vel sp. aff. Sapindac.

USM (3) Liana in thicket on river bank.  
MO  
GH  
Fls. cream. det. R. Liesner 1983.

Coccoloba fasciculata (R. + P.) Steumer

K  
GH  
USM (5) ~~Gustonia~~ det. Plowman 1982. Flocculent  
U  
K  
Treelet 5 m. on river bank.  
FRS. dark red.

Heteropterys nervosa A.C. Juss.

MICH  
GH  
USM (3) ~~Bysonium~~ det W.R. Anderson 1978  
Tree 6 m. on river bank.

(A) → MICH Petals light cadmium yellow.

GH 6999. Dalbergia ecostophyllum (L.) Taub. - Leg.

NY (10) Liana in flooded river margin.  
USM F US FRS. brown.

GH S  
U P  
MICH MO  
det. R. Barneby 1978

Estirón - Tierra

APR 24 1977

mix-lime with  
us. of Salacia sp.

two similar Mo  
plants

A. Arribidaia bracteolata (DC.) Sendw.

foo1. B. Arribidaia bracteolata (DC.) Ander. Biquen.

USM (3) Liana in flooded river margin.  
Fls. white.

ECON  
F foo1. Gnetum nodiflorum Brongn. Gnetae.

USM (3) Liana in flooded river bank.  
chem  
voucher Sterile. det. T. Plowman 1980.

(A) → K

foo2. Cassipourea peruviana Atston Rhizoph.  
USM (5) Shrub 4 m. in flooded forest  
F  
G# MO margin. FRS. yellowish orange.

K var. glabra (Martier Hook. f.) Prance  
foo3. Licania heteromorpha Benth. Chrysobalanac. det. Prance 1980.

USM (5) Shrub 5 m. in flooded  
K F river bank. Overy yellow green.  
G# MO Petals white.  
NY det. C. Niezgodna 1980.

foo4. Calyptranthes cf. maxima McVaugh Rubiac. Myrtac  
USM (3) Shrub 3 m. tall in flooded  
G# MO forest margin. FRS. green.  
WCHT det. R. McVaugh 1978.

F foo5. Securidaca Polygal.  
G# MO (8) Liana in flooded river bank.  
USM Fls. pale pink.

U  
K US  
S MO (A) → K



7006. Faramea glandulosa P. + E. Rubiac.

GH  
USM  
US NY  
F MO  
P  
K

(9) Shrub 3 m. tall in flooded forest margin. Peduncles green. Infl. rachis pale violet. Pedicel, & ~~ovary~~ <sup>ovary</sup> violet. Corolla lt. blue violet. Frs. still green.

mixture: Fls. Psyllinia sp.

Lvs: Inga sp.

7007. Senjania ~~Senjania~~ Sapindac

USM  
GH  
(2)

Liana in open flooded river bank. Fls. white.

7008. Inga MATHEWSIANA BENTH. Legum.

NY  
GH  
USM  
F  
K

(6) Shrub 3 m. in flooded river bank. Frs. green. DET. R.E. GEREAD 1988

Spruce ex Benth.

7009. Campsiandra angustifolia Legum.

FR  
USM  
NY  
GH  
F-FR  
W  
US  
MO  
K  
S

(15) Tree 15 m. tall on flooded river bank. Frs. yellow-green at maturity. Seeds ~~the~~ brown. det R.S. Cowen 1978

7010. Psychotria alboviridula Krause Rub.

ECON  
USM  
Voucher  
(2)

Shrub 3 m. in flooded forest. Frs. green. det. D. Simpson 1977.

DET. R.E. GEREAD 1988

7011. Inga AFF. SPECTABILIS (VAHL) WILLD. Legum.

K  
F  
GH  
USM  
NY  
(5)

Tree 8 m. tall on river bank. Bracts lt-green. Corolla pale green. Stamens white.

Estirón-Tierra

APR 24 1977

Gram.-  
Bambus.

7012. Bambusa

(3) Climbing bamboo in flooded river bank. Sterile.

(Meissn.) Mez

7013. Endlicheria macrophylla

Laurac.

(8) Treelet 5 m. tall on flooded river bank. det. K. Kubitzki 1979.

7014. Casearia uleana Sleumer

Flacourt.

(12) Shrub 4 m. tall in flooded river bank. Fls. white, very fragrant. det. H. Sleumer 1980.

7015. Heisteria spruceana Engler

Oleac.

(5) Treelet 4 m. with straggly slender branches. Fls. cream. det. H. Sleumer 1980.

7016. Hirtella elongata Mart. + Zucc.

Rosac.

(6) Shrub 5 m. in open flooded river bank. Petals white. Filaments basally white, apically rose. det. G.T. Prance 1978.

7017. Miconia aff. tetrasperma Gleason & Melast.

(7) Shrub 3 m. tall in flooded river margin.

det. J.J. Wurdack 1978.

USM  
US  
GH

F  
USM-2  
GH MO  
NY K

USM  
GH  
F NY  
MO U  
ENPA K

F  
GH  
USM

K  
F  
GH  
USM  
NY  
MO

USM  
GH  
K  
F  
GH  
US  
U  
MO

Estirón-Tierra  
APR 24 1977

7018. Cecropia latiloba Mig. Morac  
(5) Tree 8 m. tall on flooded river bank. Upper part of ~~branches~~ <sup>branches</sup> black. Stipule red. Lvs. medium green above, very pale green beneath. Peduncles yellowish green. ♀ Infl. pale grey-green. det. J. Cuatrecasas  
! C.C. BERG 1992 1978.

Blum R649  
ant  
voucher

USM  
ECON  
US  
F-2

CECROPIA FICIFOLIA SNOOTHLAGE  
DET. C.C. BERG 1992

7019. Cecropia obtusa Morac  
(5) Tree 8 m. tall in flooded river bank. ~~branches~~ <sup>branches</sup> brown. Stipule yellowish yellowish green: ~~leaf~~ <sup>Spathe</sup> dark red brown. Peduncle yellow green. ♀ Infl. <sup>dull</sup> greenish yellow. det. J. Cuatrecasas 1978.

Blum R651  
ant  
voucher

USM  
ECON  
US  
F

CECROPIA ENGLERIANA SNOOTHLAGE  
DET. C.C. BERG 1992 1978

7020. Cecropia setica Smetth. Morac  
(6) Tree 8 m. tall in flooded river margin. Branches green. Petiole yellowish to reddish. Stipule deep pink. Lvs. dark green above, pale glaucous green beneath with dark red nerves. First lf. deep pink. ♀ infl. cream. det. J. Cuatrecasas 1978.

Blum R650  
ant  
voucher

USM  
ECON  
US  
F

det. J. Cuatrecasas  
1978

PEBAS  
APR 26 1977

Peru: Dept. Loreto. Prov. Maynas.  
Pebas, trail towards Pijuzayal.  
26 Apr 1977.

7021. Caladium Xanthosoma viviparum Madison Arac.

(2) Herb along forest trail. Spathe green. Spadix white. Lvs. dark gr. Shiny at costa + nerves.  
det. M. Madison 1984.

USM  
GH

7022. Caladium Arac.

(1) Herb in forest. Stipules + Spathe dark red.

GH

7023. Anthurium alienatum Schott Arac.

(4) Herb in forest. Spathe green. Spadix dark brownish green. Fls. dark red-purple.  
det. T. Croat 1982.

USM  
GH-2  
F

7024. Urtic.

(1) Urticating herb in forest margin along trail. Lvs. purple beneath, green above. Rachis purple. Fls. white.

GH

7025 Souchezia peruviana (Wees) Rusby Acanth.

(1) Shrub 3 m. in low wet forest along quebrada. Bracts red.  
det. Wesshagen 1979.

Wessels  
US

PEBAS  
APR 26 1977

F  
GH  
USM  
(3)

7026. Philodendron

Arac.

Climbing herb on ground.  
Lvs. medium green with distinct  
sheen above, pale dull green beneath.  
Sterile.



7027. Xanthosoma

Arac.

USM  
GH

(3) Herb 1 m. tall in forest. Petioles  
reddish at base. Peduncle + lower  
part of spathe lt. green; upper part  
of spathe white. (Lower part of spathe  
often with dark purple patch on one  
side.)

7028. Peperomia serpens (Sw.) Loud.

Piperaceae,  
fleshy

GH  
USM  
F

(3) Epiphyte creeping herb on tree.  
Spikes creamy white. det. R. Callejas 1985.

7029. Caladium

Xanthosoma trichophyllum K. Krause  
det. M. Madison 1980.

Arac.

GH  
USM

(2) Herb in forest along trail. ~~tree~~  
Basal part of spathe green, white apically.  
Spodix ~~is~~ creamy white.

7030. Gasteranthus

corollinus (Fritsch) Wiehler.

Piperaceae  
fleshy  
calyx  
bracts

Photo  
seed

GH  
USM  
SEL  
F

(1) Herb in forest, to 1 m. ~~bracts~~  
Berry white.  
det. H. Wiehler 1978

PEBAS  
APR. 26 1977

7031. Psallinia

Sapind.

(A) K (2)  
USM

Liana in forest. Frs. dark red.  
Seed with fleshy white translucent  
aril, one seeded.

F 7032. Bromelia scarlatina E. Morren Bromeliac.

(A) <sup>GH</sup> USM

(3) Rosette herb in forest.

cult: univ. Chig. FRs. dark yellow-ochre, shiny.  
SEL. (= Pl. 7960 cult.) det. Selby 1979. = 7188.

(A) K

7033.

Uelast.

(1)

Herb on steep bank along  
quebrada in forest. Rachis & frs.  
deep red-purple. Infl. + lvs.  
pendulous.

US

7034. Adiantum scalare Trigon Fern

(4)

fern in forest along quebrada  
on steep bank. det R. G. Stolze 1978

USM  
GH  
F

Cephaelis leucantha (Krause) Standl.

7035. Psychotria det D. Simpson 1978. Rubiac.

(2)

Herb in forest. Peduncle +  
basal bracts lt-green. <sup>fleshy.</sup> Infl. bracts  
fleshy, 7 calyx dark red-purple. Berry  
red-orange.

F  
USM

Colthea cf. mishuyacu <sup>Macbr.</sup>  
det. H. Kennedy 1979.

7036. Solanum Solanac.  
GH (2) Herb 1 m. tall in forest. Fls. green.  
USM

7037. Dieffenbachia stenophylla Madison  
USM (2) Herb in forest. Spathe lt. green.  
Lue SELBY Strong skunk odor. SEL # 77-2242

7038. Begonia semiovata Liebm. Begon.  
GH (1) Herb on steep cliff in forest along  
mucate trail. Fls. white. det. P. Schubert 1978

7039. Neutilocalyx whitei Rusby Gesneriac  
GH (1) Herb in forest. Lvs. deep red -  
purple beneath, dark shiny green  
above with purple hairs. Calyx lt.  
green, lobes with pink hairs.  
det. H. Wiehler 1981.

7040. Monopyle Gesneriac  
USM (2) Herb on steep bank along trail in  
GH forest. Calyx lt. green. Corolla tube  
white, lobes pale violet. Capsule  
opening obliquely. Seeds black. Corolla red-orange,  
fleshy. Leaves with sheen.

7041. Calathea sp. Sect. Nudiscape Marant.  
USM (4) Herb in clearing along trail.  
F Lvs. lt. green with sheen, dull glaucous  
GH green beneath. Bracts lt. tan, tinged  
K green or purple. Fls. yellow.

PEBAS

APR 26 1977

Rub.

7042. Psychotria rhodothamna Standl.

chem  
voucher  
ECON

(1) Shrub 2 m. in forest. Rachis  
pedicels, calyx + buds bright  
yellow. det. D. Simpson 1977.

Rub.

7043. Pentagonia williamsii Standl.

seed-FRS  
USM  
GH  
F

(3) Slender unbranched tree 6  
m. tall, lvs. all at top. Lvs. dark  
green above, pale purple beneath.  
Stipules bright red. Bracts +  
calyx pale green with red tinge.  
FRS. tan, calyx lt. green.  
det. D. Simpson 1978.

7044. Philodendron cuneatum Engl. Arac.

GH  
USM  
US

(3) Climbing epiphyte on slender  
trees. Spathe cream, fleshy.  
Young frs. yellowish. det. T. Croat  
1985.

7045. Besleria aggregata (Mart.) Hanst. Gesneriac.

GH  
USM

(1) Herb 1 m. in forest. Calyx fleshy,  
orange. Fr. orange. det. H. Wiehler  
1981.

7046. Dieffenbachia Arac

USM  
Sclb

(2) Herb in forest. Strong odor  
of skunk. Mature infl. lt. orange.  
FRS. orange.



PEBAS  
APR 26 1977

7047 Cryptochloa unispiculata Soderstrom Gram.  
US (3) Grass in forest. det. T. Soderstrom 1982.  
USM  
GH

7048. Anthurium Arac.  
unicata (2) Herb 1 m. tall in forest. Spathe  
GH-2 lt. green. Spadix dark green with  
purple frs.

K  
US  
ECON 7049 Paspalum conjugatum Berg. Gram.  
USM (3) Herb in chacara. det. O. T.  
chem  
voucher

US  
ECON 7050. Pariana sp. Gramineae -  
USM (3) Cespitose grass in forest. Olyreae  
voucher

US  
GH  
ECON 7051. Pharus latifolius L. Gram.  
USM (4) Herb in forest.  
voucher det. O. T. 1977.

ECON 7052. Pariana trichosticha Tutin Gram.  
USM (4) Herb in forest. Lvs. med. green,  
voucher both sides. det. O. T. 1977.

7053. Piper zosterotrichum C. DC. Piper  
F (3) Shrub 1 m. at forest edge.  
USM Spikes pendulous, lt. green.  
GH det. R. Colley 1982.

(KUNTH IN HUMB. &amp; BONPL.) PERKINS

7054. Siparuna GRANDIFLORA Monim.USM  
F  
GT(3) Unbranched shrub 2 m. tall  
in forest. FRs. mostly below the  
leaves on stem, bright red,  
aromatic. (DET. S. RENNER & G. HAUSNER 1994)7055. Aphelandra nervosa T. Anders. Acanth.USM  
GT  
US(3) Vine 3 m. in forest. Bracts  
thin membranaceous, flattened  
in one place, deep carmine pink.  
Calyx pale green. Corolla cream,  
with longitudinal dark red splotches  
within. det. D.C. Wasshausen 1979.

7056. ?

GT (1) Unbranched shrub 1 m.  
tall in forest. FRs. greenish  
yellow; one-seeded.7057. Selysia prunifera (P. & E.) Cogn. Cucurbit.USM  
GT(2) ~~Tree~~ Liane in forest. FRs.  
green. det. P. Matekaitis 1984.Morita guianensis Aubl.7058. var. guianensis Melastom.K  
US  
USM  
ECW  
seed  
antShrub 1 m. tall in forest,  
Ovary red. Petals white. Lvs.  
Shiny dark green above, lt. green below

with red nerves. Fls. black.

7059 (3) Myrosma membranacea (Peters.) Schum. Marant.   
 Herb in forest margin along trail.   
 Lf. dark green with sheen above,   
 pale glaucous green beneath.   
 Bracts thin, fl. green. Fls. fl.   
 green. det H Kennedy 1978

USM  
 GH  
 F

→ Myrosma tenuifoliz (Peters.) Schum.

PEBAS

APR 26 1977

Peru: Dept. Loreto. Prov. Maynas.  
Pebas and vicinity. 27 Apr 1977.

F  
GH  
USM  
(3)  
A → K  
foto

F060. Corynostylis arborea (L.) Blake Violac.  
Liana in thickets along river.  
Fls. white, very fragrant at  
night. det. C. Nieggoda 1980.

A → K (12)  
Chem. voucher

F061. Posoqueria longiflora Aubl. Rub.  
Tree 8 m. tall. Corolla  
tube green toward base, apically  
white. Limb pure white. Filaments  
green. Very fragrant of gardenia:  
det. D. Simpson 1977.

USM F S  
ECON U K  
MO NY INPA

GH  
RB

F062. ~~Heisteria~~ Maytenus sp. <sup>det. Peat, 1982</sup> mequillensis <sup>Celast.</sup>  
(6) n.v. chuchuhuasi. <sup>Rusby</sup> det. Steamer 1980.  
Tree 20 m. tall in upland  
forest. Sterile.  
use: bark prepared as tonic for  
rheumatism, pains, impotence etc.  
Boiled then added to cachasa. ~~St~~  
MAYTENUS MACROCARPA (R & P.) BRIQ.  
DET. R. LEISNER 1990

Chem. voucher  
USM  
ECON  
MO US  
F S  
K

F063. Malachra capitata L. Malvac.  
(3) n.v. maluz. det. M. Chanco 1979.  
Herb 2 m. tall in chacara.  
fls. yellow.  
use: anti-inflammatory

USM  
ECON  
F

GH 7064. Mikania congesta DC. Comp.  
F  
USM (3) Herbaceous vine. Fls. white.  
det. Holmes + McDaniel 1982.

7065. Lamia Zamiac.  
GH (1) Cycad in forest. Roots .5 m. long,  
6 cm. diameter. Sterile.

Rhabdodenia macrostoma (Benth.) M. Arg.

Chen 7066. Mandevilla det. Markgraf 1980. Apocynac.  
Voucher  
LA (10) Vine in flooded river margin.  
USM F Fls. magenta pink. FR. green.  
GH K Milky latex.  
MO US  
INPA MG

R. AMAZONICA (Cogn.) KUNTZE Cucurb.

K P 7067. Rytidostylis carthaginensis (Jacq.) Kuntze  
F (7) Vine in open thickets along river.  
GH Fls. white. det. R. Liesner 1980.  
USM  
MO

Paspalum repens Bergius det. F.O. Zuloaga 1982.

Fus 7068. Penicum elephantipes Nees Gram.  
ECON  
USM-2 (8) <sup>Floating</sup> Grass in flooded river bank.  
voucher det. O.T. 1977.

ECON 7069. Paspalum repens Berg. Gram.  
USM-2 (5) Floating grass in flooded  
voucher river bank. det. O.T. 1977.  
analysis

F 7070. Hypochaeris donacifolia (Raddi) Chase  
K  
ECON (6) Floating herb in flooded river bank.  
USM det. O.T. 1977.  
voucher

PEBAS  
APR 26 1977

- F  
ECON USM (4) 7071. *Panicum mertensii* Roth. Gram.  
voucher Floating herb in flooded river bank.  
det. O.T. 1977.
- KIS  
ECON USM (4) 7072. *Eriochloa sp. punctata* (L.) Desv. + Hamilt.  
voucher Floating grass in flooded river  
bank. det. O.T. 1977. 1980.
- INPA  
F  
GH MO (9) 7073. *Guazuma crinita* Mart. Stencil.  
USM US pink. Flood forest along river.  
K U S NY Ludwigia det. C. Niezgodna 1980.
- GH  
USM MO (3) 7074. *Jussiaea* Ouzgrac.  
Herb in flooded river bank.
7075. *Capsicum*  
ECON (5) Shrub 1 m. cult. in chacara.  
USM US Fls. nodding, corolla creamy white.  
F FRs. small, round, yellow at  
K MO maturity.
- F  
GH (4) 7076. *Anthurium brevipedunculatum* Madison  
USM SEL Epiphyte. Spathe dark purple-  
black. Spadix brown.  
det. M. Madison 1978
- F  
ECON USM (3) 7077. *Capsicum chinense* Jacq. det. Fshbough 1982.  
Cult. shrub 1 m. in chacara. Fls.  
cream. Fls. ovoid-oblong, yellow-orange

PERAS  
APR 26 1977

7078. Solanum ~~lanceum~~ sessiliflorum Dunal var. sessiliflorum Solanaceae  
(3) Cult herb 1 m. tall in chacara  
USM Petals pale green. FRS. still green.  
F det. M. Nee 1982.  
GH

Tierra Firme  
APR 27 1977

PERU: Dept. Loreto. Prov. Maynas.  
Río Ampiyaco. Village of Tierra  
Firme above mouth of Río Yaguasyaco.  
27 Apr 1977.

Mercur.

7079. Calathea sp. Sect. Microcephalae  
(6) Herb in primary forest. Lvs. dark  
USM black-green above, dark purple  
F beneath, petiole lt. green, pulvinus  
brown. Lower bracts dark purple-  
black, upper inner bracts lt. green.  
Calyx lt. green, corolla white. St-  
minodes pale violet.

~~Fuscullos?~~ (DANHER) A. HUNZ.

7080. ~~Markea~~ sp. HAWKESIOPHYTON ULEI Solanec.  
(4) Epiphytic shrub with decurrent  
live aerial roots. Lvs. dark shiny  
out vascular coriaceous. Forming swollen  
GH aerial tubers, inhabited by ants.  
ECOLOGY on GH  
GH  
F Sterile. DET. A. HONZIKER 1989

7081. Diplasia karzetifolia L. K. Rich. Cyperac.  
(3) Large rosette herb 1.5 m. tall  
USM in primary forest.  
F  
GH det. G. Davidse 1981.



APR 27 1977

TERRA FIRME

F 7082. Philodendron krouseanum Steyermark/Araç.  
 USM (3) Climbing epiphyte. Spathe lt.  
 GH green. det. T. Croat. 1983.

US 7083. Ossaea cucullata Gleason Melast.  
 USM (3) Shrub 2m. in secondary thicket.  
 GH Fls. white. det. J.J. Wurdach 1978

F 7084. Bactris sp. Plum.  
 USM (2) Palm 1.5 m. tall in secondary  
 seed woods. Frs. orange.  
 (= Moore 8423, 8435) det. H.E. Mone Jr  
 1979

7085. Miconia serrulata (DC.) Naud Melast  
 (4) Shrub 3 m. in secondary thicket.  
 seed Bracts + calyx pale green. Petals  
 USM cream. Filaments white. Anthers  
 US red-violet. Frs. black at maturity.  
 GH

7086. Clidemia jayurensis DC. Melast.  
 USM (3) Shrub 1.5 m. in ~~secondary~~ <sup>open</sup>  
 GH thickets. Fls. white.  
 US det. J.J. Wurdach 1978

GH 7087. Clidemia hirta (L.) D. Don Melast.  
 USM (3) Shrub 1 m. in open thicket.  
 seed Petals white. Frs. ~~to~~ blue.  
 det JJ Wurdach 1978

Tierra Firme  
APR 27 1977

7088. Paspalum conjugatum Berg. Grass.

K (4) Grass in chacara. Stem + lvs.  
USM-2 purplish. det. O.T. 1977.  
GH

7089. Pitcairnia Bromel.

USM (2) Terrestrial herb in primary forest. Scape + fls. red-orange.

US 7090. Miconia sp. Melast.  
USM (4) Treelet 6 m. tall. Fls. white.  
GH det. J.J. Wurdach 1978  
F

7091. Virola pavoris (A.DC.) A.C. Smith  
(5) n.v. "cumala" det. W.A. Rodrigues

Voucher

Tree 15 m. tall, 20 cm DBH.  
Bark <sup>thin</sup> light tan, yellowish within.  
turning orange on exposure.

Lvs. medium green above, shiny,  
~~is~~ very pale grey-green beneath,  
coste lt. brown, margin not undulate.

Resin used to make narcotic  
paste. Stronger than 7092.  
Sterile.

+

1001 22 992

Tierra Firme  
APR 27 1977

7092. Virola elongata (Bth.) Warb.  
(7) n.v. "cumala" det. W. Rodrigues 1977

voucher

USM  
ECON  
K  
NY  
F

Tree 25 m. tall, trunk 25 cm DBH. Bark thick, dark reddish brown. Lvs. dark green above, shiny, margin ~~is~~ mildly undulate, whitish glaucous green beneath, costa + nerves yellowish green. Buds rusty brown.

Resin in bark light orange, turning dark red on exposure. Used to make narcotic paste, not as good as 7091. Forest on terra firme.

7093. Virola calophylla Warb.  
(4) n.v. "cumala" det. W. Rodrigues 1977.

voucher

USM  
ECON  
F

Small tree 10 m. tall, trunk 5 cm DBH. Bark reddish brown. Sparse sep.

Lvs. dark green above, shiny; light tan beneath, costa brown. Branches storied. Sterile. lf. not undulate.

Not used to make narcotic paste. Forest on terra firme.

→ 7094. Virola elongata (Bth.) Warb. det. W. Rodrigues  
(7) n.v. "cumala" [Probably Virola sp. nov. det. T. Plowman]

voucher

USM  
ECON  
K  
NY  
F

Small tree 8 m. tall, trunk 4 cm DBH, said to grow to 15 cm. diameter. Bark thin, reddish brown. Lvs.

Tierra Firme

APR 27 1977

Medium green above, shiny; very pale <sup>glaucous</sup> green beneath, costa + nerves yellow green.

Resin said to be used to make narcotic paste, reputed to be strongest variety.

7095. ~~Myrsine~~ Osteophloeum platyspermum

(FR) (3) n.v. cumala det. W. Rodrigues 1977. (A.D.C.) Worb.

voucher  
USM  
ECOR

Large ~~tree~~ tree 40 m. tall  
trunk 1.8 m. DBH. Bark thin  
dark ~~red~~ rusty brown. Fruits  
green, aromatic, 2 or 3 pink,  
on ground under tree.

Not used to make narcotic paste.

7095A. Iryzanthra juruensis Worb.

(3) det. W. Rodrigues 1977.

USM  
ECOR

Saplings under 7095, said to  
be ~~young~~ <sup>seedling</sup> plants of same. Lvs.  
dark dull green above, lighter  
yellowish green beneath.

F 7096. Piper

Piperac.

(GH) (3)  
USM

Shrub 1 m. Lvs. medium green,  
shiny above, bullate. Spikes  
cream. Frs. green.

Tierra Firme

Lindsaea ubai Hieron. APR 27 1977

US  
GH  
F (6)  
USM  
K U

7097. ~~Adiantum~~ det R. G. Stolze 1978  
Fern with creeping rhizome in primary forest.

7098. Ischnosiphon killipii Macbr. Marant.

F (2)  
USM  
GH

Vining herb. Lvs. Shiny green above, pale green to purplish beneath. Sterile. det H. Kennedy 1978.

Olyrea  
Gramin.

US  
USM (4)  
GH

7099 Pariana sp.  
Capitose grass in forest.

7100. Monotagma tuberosum M. Høberg sp. nov.

(8) DET. M. HÅGBERG 1990

(A)

USM U  
GH MO  
F-2 P  
S INPA  
K

Herb in moist places near water in primary forest. Prophylls reddish. Petiole + pulvinus pale yellowish green. Lvs. lt. green above very pale green beneath. Bracts pale green to reddish. fls. white. Infl. bending to ground at maturity.

7101. Mercgravia ?

ecol  
F (3)  
USM

Liana in primary forest. Sterile. Sap used as remedy for eyes.

7102. Philodendron Arac.

(b)  
GH

Epiphyte on slender tree. Spathe lt. green.

Tierra Firme  
APR 27 1977

7103. Psychotria microbotrya Ruiz ex Standl.

det (1) Shrub 1.5 m. in forest.  
Voucher. New leaves, stipules & rachis  
ECON red-violet. Frs. green. Lvs.  
med-green above with sheen,  
hervee below purplish

det. D. Simpson 1977.

7104. ~~Pithecolobium sp.~~ Sclerolobium leguminos.

(6) Large tree 30 m. tall with  
Voucher. buttresses 2.5 m. tall, trunk  
for gum! (1 m.) Seedlings underneath  
bark tree. Bark dark red-brown,  
USM exuding dark black-brown  
F gum-like substance with very  
K fetid odor of methyl-indole  
ECON Compounds.  
GH det. R. Foster 1979

7105. Calathea Marant.

(3) Herb with creeping horizontal  
(A) rhizome. Petioles dark green;  
USM pulvinus lt. yellow green. Lvs.  
F-# lt. green above, ~~was~~ pale green  
GH beneath. Bracts light green.  
Fls. ~~pale~~ pure white.

Tierra Firme

APR 27 1977 ~~APR 27 1977~~

7106. Leandra secunda (Don) Cogn. Melast.

USM  
GTT  
-US

(3) Low shrub in forest. Lvs. dark green above with pink nerves, red-violet beneath. Reclis + fls. red-violet. det. J.J. Wurdach 1978.

7107. Pariana sp. Gram.

US-2  
USM (3)

~~sp.~~ Caespitose grass in primary forest. det. O.T. 1977.

7108. Revealucia aff. thyrsoides Zingib.

F

(1) Herb 1 m. tall in primary forest. <sup>Peduncle</sup> Bracts dark red. Infl. bracts light red. Calyx red. Corolla + stamens yellow.

7109. Cephaelis williamsii Standl. Rub.

voucher  
USM  
Ecal  
F  
K  
US

(5) Shrub 3 m. tall in flood forest.

Lf. dark shiny green above, light shiny green beneath, costa whitish. Peduncle dark purple. Fls. purple turning white at maturity. det. D. Simpson 1977.

APR 27 1977 Tierra Firme

7110. Heliconia juliani Barreiros Musac.

(2) Herb 2 m. in flooded forest.  
Lfs. white pruinose beneath,  
medium dull green above. ~~Base~~  
Infl. erect, slightly twisted,  
Rachis green. Bracts carmine red.  
Pedicel shiny green. Perianth yellow-  
green in basal  $\frac{2}{3}$ , dark green in  
apical  $\frac{1}{3}$ , tip white. det. L. Andersson 1984.

timothei Andersson

7111. Heliconia acuminata group Musac.

(A) (5) Herb 1.5 m. in primary forest  
in moist places. Lvs. light green  
above with velvety sheen, shiny be-  
neath. Infl. erect, plane. Rachis  
& bracts deep yellow axially.  
Bracts bright red orange adaxially.

Ovary + Pedicel pale green. Bracteoles  
white. Perianth pale green in  
lower  $\frac{2}{3}$ , dark green in upper  $\frac{1}{3}$ ,  
tip white. det. L. Andersson 1984

7112. Heliconia Musac.

(A) (1) Herb 2 m. tall in flooded forest.  
Lvs. shiny dark green above, lighter  
shiny green beneath. Bracts, rachis,  
pedicel + ovary orange. Perianth pale



APR 28 1977

Tierra Firme

orange with 3 dark green bands  
near apex, apex <sup>very</sup> pale orange.

---

PERU: Dept. Cuzco, Prov. Cuzco.

Pisac. 24 April 1977.

Coll. Henry Fales

7113. Erythroxylum coca

(1)  
ECON

Loose leaves bought at Pisac market.  
Cost 80 soles. 325 g. 0.477% C.  
"Cuzco Verde."

7114. Erythroxylum Coca

(1)  
ECON

n.v. "Cuzco Verde"  
Coca leaves wrapped in muslin  
cloth package ~~10~~ 20 cm. long,  
10 cm. diameter, 306 grams.  
Cost: 80 soles. Pisac market.  
0.417% C.

7115. Chenopodium quinua

(1)  
ECON

n.v. "Iipta"  
Ball of hardened quinoa  
ash (+?) 3.5 cm diameter, wt.  
35 g.

PEBAS  
APR 28 1977

Peru: Dept. Loreto - Prov. Maynas.  
Pijuyal, army base below  
Pebas, ~~at~~ Rio Amazonas. 28 Apr  
77.

Secondary forest behind base.

Marant.

7116. Monstaya samaragdina (Lind.) Schomb.

(6)

USM  
F-2  
GH-1  
K-2

Herb 1 m. tall in secondary forest. Lvs. yellow-green above, nerves dark green, very dark green central stripe along costa. 1 cm. wide, lvs. pale glaucous green beneath, costa yellow. Pulvinus yellow-green. Bracts yellow green. Rachis pale green. Bracteole, calyx & corolla creamy white. Staminodes red-purple.

Solanec.

7117. Solanum NEMORENSE DONAL DET. H. NEE

1986

F (2)  
USM

Spicy shrub 1 m. tall. FIS.  
light green. det Nee + Plouman  
1979.

Musae.

7118. Heliconia spathocircinata Aristeguieta

(6)

USM-2  
GH-2  
F-2

Herb 3 m. tall in thicket.  
Lvs. dark matt green above, shiny  
pale green beneath. Infl. erect,  
spiralled. Rachis & bracts red, bracts  
deep yellow-orange within.

APR 28 1977

Bracteoles pale yellow. Petical, ovary pale yellow. Perianth deep yellow, det. P. J. M. Maas 1978.

7119. Ischnosiphon puberulus <sup>var. scaber (Peters.) Anders.</sup> Loes.  
(2) Vine in thicket. Lvs. dull, dark green above, pale glaucous green beneath. Bracts yellowish green. det. L. Andersson 1979.

USM  
F

Ichnanthus breviscrobis Doell. <sup>Gram</sup>  
7120. ~~Panicum~~ sp. det. O. Tovar 1980.  
Climbing grass 3 m. tall forming dense thicket. det. O. T. 1977

ECW

USM (5)  
vouchers  
F  
US  
K

7121. Markea formicarium Dammer <sup>Solanec.</sup>  
(5) Epiphytic shrub on slender tree trunk in thicket. Butt inhabited tubers formed at base. Calyx yellow-green. Corolla cream, lobes brownish.

USM  
F  
GH  
US  
K  
MO

7122. Piper <sup>Piperac.</sup>  
(1) Shrub 1.5 m. Spikes cream.

USM

7123. Neea virens Poepp. ex Heimerl <sup>Nyctag.</sup>  
(2) Herb .5 m. tall in forest. Buds yellowish. Fls. yellow-green. det TP 1984.

USM  
GH

PEBAS  
APR 28 1977

7124. Anthurium acrobates Sodiro Arac.  
(2) Epiphyte on tree trunk. Lvs.  
shiny med. green above, lt. green  
beneath. det. T. Croat 1986.

GH  
USM

Bark GH

PUCAPUILLA

7125 Hevea guianensis. Burksmooth,  
(3) Pan-grey. Tree 10" diam. 60ft.  
Latex cream. Chem. lvs, bark.

FR

ECON  
USM  
# 6:1:16 made

PEBAS

7126. Piper lanceolatum R. + P. Piperac.  
(1) Shrub .5 m. tall in secondary  
forest. Lvs. speckled white. Spikes  
cream. det. R. Callejas 1985

GH

7127. Dolechampia? Euphorb.  
(6) Liens in open thickets. Cyathes  
green.

USM  
GH  
MO K  
F

Warszewiczia coccinea (Vahl) Klotzsch

7128. ~~Warszewiczia~~ det D Simpson 1978.  
(3) Shrub 3 m. tall. Bracts past,  
brown. Frs. lt. green.

USM  
F  
GH

7129. Dieffenbachia  
(3) Herb in forest with succulent  
stems. Spathe green, turning orange  
in fruit, opening to expose orange spadix.

GH  
USM  
GH

APR 28 1977

7130. Erythroxylum aff. macrophyllum (Muell. Arg.)

(15) N.V. Cordoba monte "tsurures"

Treelet 6 m. tall in dense thicket on hilltop. Soil <sup>red</sup> orange clay. Branches many, very leafy. Bark rust brown. Lf. dark green above, somewhat shiny, lateral nerves slightly prominent, <sup>dull</sup> pale glaucous green beneath, costa yellowish. Stipules reddish brown, early caducous, acuminate.

Sterile.

Use: leaves toasted dry and pulverized. mixed with ashes of Cecropia and chewed when "No hoty coca".

Strong aromatic odor in leaves. resembling vanilla.

7131. Anthurium oxycarpum Poeppig Arac.

(3) Terrestrial herb in secondary forest.

Spatha green. Spadix + frs. green turning dark purple. det. T. Croat 1985.

7132. (~~mayra~~) Carpotroche longifolia (Poeppig) Bth.

(3) Treelet 5 m. tall. Frs. cauli-florous near base, creamy white. det. Sleumer 1980.

voucher

F  
USM

ECON-2

NCH

NY

U

US

DPA

G

GB

MG

P

TEX

K

MO

WIS

F

USM

GH

F

(FR)

USM

U

GH

PE 44  
APR 28 1977

7133. Leandra longicoma Cogn. Melastomaceae  
USM (3) Shrub 2 m. tall. Stem + infl.  
+ frs. with purple trichomes.  
det. JJ Wurdach 1978

7134. Cestrum sendtnerianum Solanaceae  
USM (6) Shrub 3 m. tall. FRs. dark  
blue-black.  
voucher  
K  
F

7135. Parmelia latissima Fée Lichen  
FH Lichen on Hevea brasiliensis  
trunk. Pebas.  
det. Mason Hale 1977.  
[Hale found atranorin + selaginic acid by TLC.]  
voucher

BRILLO  
NUEVO

Peru: Dept. Loreto. Prov. Maynas.  
Rio Yaguas yaco, affluent of  
Rio Ampiyaco. Brillo Nuevo.  
1 MAY 1977.

7135: Erythroxylum coca var. ipadu Plowman  
(7) n.v. "mojorra coca" (Sp.) ts'hpaa (Bora)  
det. T. Plowman 1981.

USM  
ECON

Voucher

F  
K  
NCU  
INPA  
AAU  
LA  
UBC  
VEN

Shrub to 2 m. tall cultivated  
near house. From cuttings. Trunk  
lt. brown. Branches <sup>usually</sup> leafy. Lvs. dark  
rather shiny green above, lateral nerves  
somewhat raised; pale glaucous green  
beneath, costa yellowish, veinlets  
distinct darker green. Areolae dis-  
tinct, paler; veinlets faint, lines  
distinct. Fks. well formed, yellow  
turning red at maturity.

use: special cultivated small-  
leaved coca. Lvs. picked mainly  
for special fiestas. Said to yield  
high amount of <sup>coca</sup> powder for chewing.

t

0.2076% C.  
VOUCHER  
SPECIMEN

MAY 1. 1977  
BRILL  
NUEVO

7137. Erthyroxylum Coca Lam. var. ipadu Plowman  
(6) n.v. "pelejo coca" (Sp.) dallimu  
(dallimü) (Bra)

voucher  
USM  
ECON

Cultivated shrub 1.5 m tall  
in chacara, grown from cuttings.  
Trunk greyish brown. Branches  
erect, mostly leafless. Plants  
appear <sup>reflected</sup> virus-infected, heavy  
caterpillar damage. Lvs. rather  
chlorotic, lt. yellowish green, <sup>above</sup>  
lateral nerves slightly raised;  
pale glaucous green beneath with  
yellowish costa, veinlets pale  
throughout, areolae indistinct,  
luna distinct. Sterile.

Use: Recognized as distinct from  
"Coca legitima". Said to grow very  
well when properly cultivated.

Lvs. toasted + pulverized to make  
Coca powder for fiestas. Must  
be especially well toasted or lvs.  
become "flemosa" on pounding.

VOUCHER  
SPECIMEN

0.3456% C.



MAY 1 1977

BRILLO

NUEVO

7138. Capsicum chinense Jacq. Solanac.

- (3) Cult. shrubs 1.5 m. tall in  
houseyard. Fls. cream. FRS.  
smooth, yellowish green turning  
purplish at maturity.  
det. W.H. Eshbaugh 1982;

USM  
ECON  
F  
K7139. Capsicum chinense Jacq. Solanac.

- (4) Cult. shrub 1 m. tall in  
houseyard. Fls. light yellowish  
green. FRS. irregularly rugose,  
lobate, yellow. det. Eshbaugh 1982.

F

7140. Leandra secunda (Don) Cogn. Melastom.

- (5) Shrub 1 m. in secondary forest.  
Fls. white. det. J.J. Wurdack 1978.

USM  
F  
GH  
K7141. Leandra cf. secundiflora (DC.) Cogn. Melastom.

- (4) Shrub 1.5 m. tall in secondary  
forest. Young stems + petioles red-  
dish. Rachis pale green. Fls. white.  
Lvs. shiny above. FRS. red turning  
black at maturity.  
det. J.J. Wurdack 1978.

USM  
GH  
F  
US

Myrist.

7142. Virola elongata (Bth.) Werb.

(8) Small tree 8 m. tall in open flooded river bank. Trunk 10 cm DBH.

Voucher  
USM  
ECON  
K  
US  
A7K

Lvs. medium green, shiny above, lightly bullate, margin only mildly undulate; lvs. <sup>very</sup> pale glaucous yellowish green beneath, costa + nerves yellowish. Fls yellow ochre.

n.v. "cumala Colorado"

Said by some Indians to be used in making narcotic pellets.  
det W. Rodrigues 1977.

7143. Virola elongata (Bth.) Werb. Myrist.

(6) Sapling tree 5 m. tall in flood forest along river. Lvs.

Voucher  
USM  
ECON  
K  
NO  
F

medium green above, not shiny, margin scarcely undulate; very pale, whitish ~~green~~ beneath with dark yellowish green costa + nerves. Sterile.

n.v. "cumala blanca"

Leaf in herb said to be used to make narcotic pellets.

Same as tree analyzed by T, Swin.  
det W. Rodrigues 1977.

MAY 1 1977  
BRILLO  
NUEVO

K 7144. Virola lorefensis A.C. Smith Myrist.

US  
F (8)

USM  
ECON  
P

Bark  
Chem.  
Voucher

Small tree 10 m. tall in flooded forest along river bank. Branches storied, trunk 6 cm DBH. Lvs. dark shiny green above, margin not undulate, very pale whitish beneath; costa + nerves + twigs with dense rust-brown indument.

n.v. "cumala blanca" -

Resin not used to make narcotic pellets

det. W. Rodrigues 1977.

PEBAS  
MAY 1 1977

Peru: Dept. Loreto. Prov. Maynas.  
Pebas + vicinity. 1 MAY 1977.

US 7145. Bambusa superba (Haber) McClure <sup>Gram.</sup> Bambuseae  
USM (3) Erect bamboo 5 m. on river  
GH bank. det. O. Tovar 1980.

GM 7146. Coccoloba lehmannii Lindau Polygon.  
K (4) Tree 15 m. on river bank.  
GH F Fls. white. det. R. A. Howard 1984.

GH 7147. Alchornea latifolia Sw. Euphorb.  
USM (3) Tree 10 m. tall on river  
F bank. Leafless. Frs. green.  
det. G. Webster 1978.

F 7148. Himenachne amplexicaulis (Raddi) Nees  
K USM-2 (6) Floating grass on river bank.  
GH US P det. O. T. 1977.

K 7149. Montrichardia arborescens Arzc.  
US F (8) Arborescent herb 2.5 m. in  
USM flooded river margin. Spathe  
GH white. Spadix cream.  
? ?

7149. Pariona vulgaris Tutin?  
det. O. T. 1977.

Peru: Dept. Loreto. Prov. Maynas.

Pebas and vicinity. Trail to

Corutú. 3 May 1978.

→ *Schlegelia macrophylla* Duché det. Gentry 1980!

(A) 7150. *Schlegelia parviflora* (Aubl.) ~~Vellozo~~ <sup>Manchego</sup>

(8.) Tree 20 m. tall on forest  
ant hillside. FLS. waxy <sup>calyx</sup> white; corolla  
voucher white. det A Gentry 1978.


USM  
Glt  
F  
Infl. infested with ants.

(A) → MO

7151. *Rudgea cryptantha* Standl. Rubiac.

(3)

1 m.

 voucher low shrub in primary forest. Very

USM pale green. Calyx cream.  
F. det. D. Simpson 1977.

7152. *Anemopogon floridum* Mart. ex DC. Bignon.

(A) (2) Vine in chacara margin. Corolla

USM tube pale yellow, ~~limb~~ white.  
F. det. A. Gentry 1978

(A) 7K

7153. *Poriana vulgaris* Tutin <sup>*stenolemma* Tutin</sup>  
det. O.T. 1980

(6) Caespitose herb in primary

US forest. Lvs. dark green above  
USM pale glaucous beneath. Infl.  
F red-purple.

det. O.T. 1977.

K  
Glt

MAY 3 1977

- P  
K 7154. Pilea sympodica (Doell) Swallen  
NY (8) Cryptochloa sp. det. T. Soderstrom 1981.  
US (8) (first record for Peru)  
voucher USM-2  
ECON  
GH  
Cespitose herb in primary forest.  
Spikelets <sup>dark</sup> reddish.
- GH 7155. Aechmea corymbosa (Mort.) Mez Bromel.  
(1) Epiphyte in primary forest.  
Bracts pink. FRS. green.  
det. T. B. Smith 1984.
7156. Pariana sp. Gram.  
USM (3) herb in primary forest. Sterile.  
US
- K 7157. Cryptochloa unispiculata Soderstrom Gram.  
F (6) det. Soderstrom 1982.  
Herb in primary forest. Spikes  
green.
- chem  
voucher  
USM  
ECON  
US  
7158. Adenophaedra megalophylla Euphorb.  
USM (3) (Kl.) Muell. Arg. det. J. Webster  
GH 1978  
Shrub 2.0 m. tall in primary  
forest. Fls. greenish-white.
- Policourea  
7159. Psychotria laetionantha Standl. Rub.  
chem. (3) det. T. Plowman 1977.  
voucher Shrub 3 m. tall in primary forest  
USM on hillside - Rachis magenta. FRS. green  
ECON calyx magenta.  
F

MAY 3 1977

7160. Leandra secunda (Don) Cogn. Melastom.USM  
GH  
F  
US

(4) Low shrub in primary forest along trail. Lvs. shiny dark green above with metallic bluish cast in afternoon light. Fls. white. det. JJ Wurdack 1978.

Olyreae  
Gramin.7161. Pariana sp.

US

USM (2)

Herb in primary forest. sterile. det. O. Touss 1980.

7162. Dieffenbachia

Arec.

(34)

USM  
Selby-Z  
F

Fleshy herb in primary forest. Spathe green. No odor of skunk. Spathe bright orange in fruit. Seeds red-orange.

7163. Quararibea malacocalyx A. Robyns + Nilsson Bombacaceae

(F)

USM  
GH  
F  
K  
US  
S  
MO

Slender treelet 3 m. tall in primary forest. Pedicel &amp; calyx olive-greenish yellow in fl, darker green in fr. Corolla creamy white. FR. pale green. det. W.S. Alverson 1985.

Rubiace.

7164. Cephaelis trichocephala (P. + E.) Standl.

(4)

det. D. Simpson 1977.

Chem.  
Wucher  
USM  
ECON  
KShrub <sup>1-1.5</sup> m. tall in primary forest. Bracts + calyx lobes <sup>ciliate</sup> aristate, green basally, dark purple apically. Fr. green.

PEBAS

MAY 3 1977

Erythroox.

7165. Erythroxylum macrophyllum Cav.

(4)

ECOR  
USM  
F  
K

Shrub 4 m. tall with hori-  
zontal striated branches in primary  
forest. Lvs. leathery, smooth, dark  
green above, pale glaucous, yellowish  
green beneath, veinlets dark, finely  
drawn, costa yellowish green, areo-  
les more yellowish green than rest  
of leaf; ciliate. Frs. orange.

7166. Psychotria sp. nov? aff. P. capillacea

(2)

(M. Arg.) Standl. det D. Simpson 1977.

ECOR  
USM  
Chem.  
voucher

Shrub 2 m. tall in primary  
forest. Buds cream. Fr. still  
green. (= 6528)

7167. Psychotria bullatifolia Standl. Rub.

(3)

det. D. Simpson 1977.

Chem  
voucher  
USM  
ECOR  
F

Low shrub < .5 m. tall in  
primary forest. Lvs. black-green,  
bullate, pale <sup>grey-</sup> green beneath. Frs. bright <sup>red-</sup> orange.



MAY 3 1977

7168. Erythroxylum macrophyllum Cav. Erythrox.

(4)  
USM  
F  
ECON  
NCU  
WOOD: Aw

Treelet 5 m. tall in primary forest,  
Trunk lt. brown. Wood pink. Lus. medium  
Smooth, slight shiny above, pale glaucous  
green beneath with <sup>dark</sup> finely drawn nerves +  
veins. Areolae barely distinct lighter,  
elminate. Stipules red-brown.

(A) → F

7169. Piper brasiliense C. DC. Piperac.

(2)  
USM  
F

Herb. 5 m. tall in primary forest.  
Lus. dark green with lighter green  
stripe along costa. Spikes yellow,  
frs. green. det. R. Callejas 1982.

~~morac.~~  
~~Euphorb.~~  
~~Flacourt!~~

7170. Perebea menegae C. C. Berg ~~Flacourt!~~

(3)  
USM  
GH  
u

det. C. C. Berg 1984.  
Shrub 4 m. tall. Fls. yellow.

7171. Erythroxylum amplum Benth.  
E. citrifolium St. Hil. det TP 1987.

(8)  
USM  
GH  
NCU  
MO  
NY  
F  
INPA

Shrub 1.5 m. tall with flat,  
spreading branches. Lus. dark  
green above, slightly shiny, costa pale green;  
light rather shiny yellowish green beneath  
with distinct dark veins, costa pale green  
Stipules red-brown.

MAY 3 1977

myrist.

7172. Virola pavonis (A.DC.) A.C. Smith

(3) n.v. cumala colorada

USM  
ECON

Small tree 10 m. tall in primary upland forest. Bark grey brown, rust-red within. Lvs. med. green above, sub-shiny, pale bluish-green beneath with yellowish Costa + nerves. Gerise.  
det W. Rodrigues 1977.

7173. Lyciathes aff. amatitlanensis (Coul. + D. Sm.) <sup>B.H.</sup>F  
GH  
USM  
MO

(4) Herb to .5 m. in primary forest. Calyx hairs purple. Fr. red-orange. det. W.G. D'Arcy 1979.  
L. MEDUSOCALYX BITTER M. NEE 1990

7174. Erythrochiton carinatus Little <sup>Rutaceae</sup>USM  
F  
GH

(4) TOXOSIPHON MACROPODUS (K. KRAUSE) KALLUNKI  
Shrub 2.5 m. Calyx green.  
~~Capule~~ capule creamy-white, 5-locular.  
det. J. Pirani 1986 DET. KALLUNKI 1991

7175. Pilea poeppigiana Wedd. vel aff. <sup>Urtic.</sup>

GH

(1) Herb in primary forest. Infl. pale pink. Fls. white.  
det. T. Plowman 1984.

7176. Adiantum villosum L. <sup>Fern</sup>USM  
GH  
F  
K

(5) Herb in primary forest.  
det R.G. Stolze 1978

→ A. latifolium Lam.  
det. R. Tryon 1987.

7177. Palm.  
USM (1) Acaulescent palm in forest.  
Petiole purple. Infl. pale green.

7178? Graminea  
USM (1) Cespitose grass in primary forest.

(A) 7179. Heliconia schumanniana Loes. Musc.  
(2) det. T. Plowman 1984.  
unicate Herb 2 m. tall in primary  
forest. Infl. erect, plane. Peduncle  
& rachis green. Bracts yellowish green  
in basal  $\frac{1}{2}$ , apical  $\frac{1}{2}$  bright magenta pink. Pedicels orange. Ovary  
white in basal  $\frac{1}{2}$ , apical  $\frac{1}{2}$  green.  
Perianth pale orange in basal  $\frac{1}{2}$ , apical  
 $\frac{1}{2}$  white with green streak.  
Only one seen.

7180. Psychotria macrophylla R. + P. complex  
(3) det D. Simpson 1977. Rub.  
Herb 1 m. tall in primary  
forest. Bracts fleshy, dark purple  
FRS. pale orange-pink.  
Chem  
voucher  
USM  
ECON  
F

PEBAS  
MAY 3 1977

7181. Cryptochloa sp. Gram.  
USM (1) Grass in primary forest. Sterile.

7182. Cryptochloa ~~sp.~~ concinna (Hook. f.) Swallen Gram.  
USM (2) Diminutive forest grass,  
US caespitose. One fertile.  
det. T. Soderstrom 1986.

7183. Cyclanth.  
GH (1) Clumped ~~herb~~ terrestrial  
herb on wet bank along stream.  
Spadix green.

7184. Cryptochloa unispiculata Soderstrom Gramin.  
USM (5) Caespitose herb in primary  
ECON forest. det. T. Soderstrom 1982.  
Chem. voucher

7185. Centropogon cf. loretensis Wimmer Labell.  
USM (2) Herb 1.5 m. tall in forest  
GH clearing, corolla carmine pink.

7186. Gutteria Annon.  
GH (1) Treelet 3 m. Fls. dark red.

7187. Philodendron Arac.  
GH (1) Climbing epiphyte. Lvs. dull,  
dark green, velvety above, paler  
dull green beneath. Spathe cream.

PEBAS  
MAY 3 1977

PEBAS

7188. Bromelia scarlatina (Hort. ex Hering.) E. Morrén  
Bromel.

(2) (= 7032)

live Rosette herb with coriaceous  
leaves at edge of hill. Sterile.

GH  
USM

7189. Chorisia sp. Bombac.

USM (3) Large forest tree 40 m. + tall.  
GH trunk 2 m. DBH. Fls. on ground.  
Petals magenta pink.

7190. Orchid.  
USM (4) Epiphyte on fallen log. Fls. cream.

7191. Renealmia breviscapa P. + E. Zingib.

(1) Herb in primary forest. Bracts  
GH pale green. FR. black, calyx  
orange.

K 7192. Psychotria brachybotrya M. Arg. Rubr.

F (4) Shrub 2.5 m. tall. Rachis  
USM magenta. FRs. green turning purple  
ECON black at maturity.  
Chem. det. J. Simpson 1977.  
voucher +

7193. Anaxagorea brevipes Benth. Annonac.

(1) Small tree 6 m. tall. FRs. cream.  
GH

det. Maas 1985.

PEBAS  
MAY 3 1977

7194. Caladium Arac.  
USM (1) Herb in primary forest. Spathe  
green in lower part, cream above.

7195. Schoenobiblus daphnoides Mart. + Zucc.  
USM (4)  
F  
GH Low shrub .5 m. tall in  
primary forest. FRS. orange.  
det. D. Simpson 1978

7196. Pellicourea subspicata Huber Rub.  
ECON  
USM (2)  
Chem.  
voucher Unbranched shrub 1.5 m  
tall in forest. Spike red-violet,  
pedicels red-violet. FRS. still  
purplish or yellowish-green. det. D. Simpson 1977

7197. Psychotria longispis M. Arg. Rub.  
F  
USM  
ECON (3)  
Chem.  
voucher. Shrub 2 m. tall in primary  
forest. Inf. ~~pendulous~~ peduncles. Peduncle  
& rachis ~~black~~ <sup>purple</sup>-black; fls. yellow.  
det. D. Simpson 1977.

7198. Nees virens Poepp. ex Heimerl Hyptag.  
GH (1) ~~low~~ Herb in primary forest.  
Fls. cream. det TP 1984.

7199. Pariana Gram.  
F K  
ECON  
USM (6)  
Chem.  
voucher Capitose herb in forest. Lvs.  
med. green above, pale glaucous green  
beneath. Spikes red-purple.

MAY 3 1977

Rub.

7200. Ophaelis iodotricha (M. Arg.) Standl.

(2) Low shrub 1.5 m. tall with spreading leafy branches. Trichomes red-voucher purple. FR. bright violet.  
 det. D. Simpson 1977.

7201. Hirtella racemosa Lam. var. racemosa Arysobol.

(1) Small tree 6 m. tall. FRs. lt. green with dark red bluish.  
 det. T. Plowman 1984.

7202. Infested Rubiac. Infested Need! ?

(3) Shrub 3 m. in primary forest. Infl. fleshy, green, calyx red.

7203. Leandra rhodopogon (DC.) Cogn. Uelast.

(1) Shrub 3 m. in <sup>sandy</sup> forest on hillside. Whole Infl. brilliant red-orange. Only one seen. det. J. J. Wurdack 1978

7204. Heteropsis sp. Arac.

(2) n.v. "támishe"  
 Vine on tree trunk. Aerial roots very strong, used for lashing beams, etc.

7205. Pariana sp. Grammea

(2) Cespitose grass in primary forest. Culms + lvs. beneath purple sterile!

PEBAS  
MAY 3 1977

7206. Thoreocarpus bissectus (Vell.) Harl. Cyclanth.

(3) Vine climbing on tree trunks.  
Aerial roots very strong, used  
for lashing beams, etc.  
n.v. "támishe" det. G. Harting 1976.

USM  
GH  
F  
S

7207. Eupatorium macrostemon Cass. Comp.

(4)-166 Herb in chacara along  
trail. Fls. pale violet.  
det. R. Perreyra 77.

F  
USM  
GH  
K

7208. Carpotroche Flac.

(1) Shrub 1 m. tall in primary  
forest. FRs. greenish yellow.

7209. Ischnosiphon moritzii Morant.

(1) Herb 1.0 m tall in clearing  
in primary forest. Trichomes  
dark brown. Bracts green. Calyx +  
corolla white. Stamens yellow.

Rub.

7210. Psychotria racemosa (Aubl.) Willd.

(3) Shrub 1 m. tall in primary  
forest. FRs. orange, turning  
black at maturity.

seed  
chem.  
voucher

det. D. Simpson 1977.

USM  
ECON  
F

live: A. Fernandez



7211. Guzmania rhizantha (P. + E.) C. Jeffrey Cuculb.  
(3) Liana in forest. Infl. cauliflorous  
USM 1 ft. above ground. Hypanthium yellow  
GHT orange, lobes deep orange. det. T. Proumen  
F 1984.

7212. Dalechampia <sup>magnifolia</sup> spathulata Euph.  
(2) Herb in primary forest along trail.  
USM Bracts white turning green. Fl + FR.  
GHT lt. green.

7213. Piper Piperac.  
F (1) Shrub 1.5 m. tall. Infl. erect.  
Peduncle purple, spike green

7214. Piper permolle Trel. + Yun. Piperac.  
F (1) Shrub 1 m. tall in forest. Infl.  
pendulous, green. det. R. Celjzes 1982.

7215. Cryptochloa unispiculata Soderstrom <sup>sp. nov.</sup> Gram.  
USM (3) Cespitose herb in forest. TYPE  
US  
GHT

7216. Anthurium Arac.  
USM (1) Terrestrial herb. Spathe +  
Spadix pale green.

PEBAS  
MAY 3 1977

Desmodium oxillare (Sw.) DC.  
var. stoloniferum (Rich. ex Poir.)  
Schubert

7217. Desmodium det B.G. Schubert 77  
(4) Herb with trailing rhizome.  
USM in forest clearing. Infl. erect,  
K flowers pure white.  
GH

7218. Palm:  
USM (1) Acaulescent palm in  
primary forest. Infl. orange.  
FRS. black at maturity.  
Mayna odorata Aubl.

7219. ~~Carpotroche~~ det. Sleumer 1980. Flac.  
(3) Shrub 1.5 m in forest. FRS.  
USM orange.

7220. Psychotria embirensis Steyermark  
(2) Shrub 1.5 m. tall in primary  
chem forest. Bracts mustard yellow.  
voucher  
USM  
ECON det. D. Simpson 1977.

7221. Chamaedorea aff. geomoides (Spruce) Drude  
Palmaceae  
GH (1) Forest palm with short trunk,  
2 m. tall. FRS. orange.  
det. S.F. Glassman 1984.

7222. Amphidasya intermedia Steyermark. Rubiaceae  
F (4) det D. Simpson 1977 (first record for Peru)  
USM Herb 1m. tall in forest. ~~FRS~~ Infl.  
ECON pale green throughout; calyx lobes

with thin white margin.

7223. Psychotria sp. indet. (aff. P. refracta M. Arg.)  
 Econ  
 USM (2) Shrub 1.5 m. along trail in  
 Chem forest. Buds green, fls. pale greenish-  
 voucher cream. det D. Simpson 1977.

7224. Raritebe palicouroides Wernham subsp. <sup>file</sup>  
<sub>palicouroides</sub> var. palicouroides <sup>Kirkbride</sup>  
 (6) Shrub 3 m. tall on hilltop in 1979  
 primary forest on white sand. Infl.  
 Creamy white. Corolla white <sup>lobes</sup> turning  
 yellow. Very fragrant during the  
 day. det. D. Simpson 1977.  
 First record for PERU.

7225. Colyptrocarya Cyperac.  
 (3) Sedge in primary forest. lf. bases  
 red-purple.  
 F  
 USM  
 GH

7226. Besleria pauciflora Rusby var. aff. Gesneriac.  
 (4) Shrub 2.5 m. tall on hilltop  
 in primary forest on white sand.  
 Corolla orange. Trichomes reddish.  
 det. H. Wiegler 1978  
 USM  
 SEL  
 F  
 GH

7227. Ichnanthus pallens (Swartz) Munro  
 (3) Grass along trail in forest.  
 USM  
 GH

PEBAS  
MAY 3 1977

7228. Calathea cf. microcephala Marant.

- (1) Herb in forest along trail.  
Lf. bases red-purple. Petiole  
dull green. Pulvinus purple brown.  
Lvs. med. green above, pale green  
beneath. Peduncle pale green. Bracts  
med. green. Fls. pure white.

7229. Piper permolle Trell. & Yun. Piperac.

- (1) Shrub 1 m. tall in forest.  
Lvs. dark green above, rubbery,  
pale green beneath. det. R. Collinge 1982.

US 7230. Pariana vulgaris Tutin <sup>stenolemma Tutin det. O.T. 1980</sup>  
~~Tutin~~

- (2) Herb in forest. Sterile.  
det. O.T. 1977.

7231. Lepidocaryum tessmannii Burret Palmar.

- (2) Palm with trunk 1 m. in  
forest. Sterile.  
n.v. "irapay" "Coraná"

Lvs. commonly harvested  
for making thatched roofs.  
det. S.F. Glassman 1984

7232. Urera baccifera (L.) Gaud.

- (2) Herb in forest along trail.  
Rachis pale brownish-purple.  
Fls. cream.

MAY 3 1977

7233. Sanchezia peruviana (Nees) Rusby Acanth.  
 USM (2) Shrub 2.5 m. tall along open  
 GH Quebrada in full sun. Bracts  
 red. Corolla deep yellow.  
 det. T. Plowman 1984.

F 7234. Piper Piperaceae.  
 USM (2) Shrub 1.5 m. along trail in  
 GH forest. Spikes greyish-brown.

7235. ~~Urena?~~

(1) ~~Herb in forest along trail. Petals  
 dull pink. Buds cream.  
 (→ 7232?)~~

7236. Calathea silvosa Macbr. Marant.  
 (3) det. H. Kennedy 1986.  
 (A) → K Herb 1 m. tall in forest along  
 USM trail on ~~the~~ hilltop on white sand.  
 F Lf. bases purplish. Lvs. <sup>+ costa</sup> dark purple  
 Iwe beneath; Lvs. dark green above, shiny,  
 GH with white hairs. Pulvinus light yellow-  
 green. Peduncle pale green. Bracts  
 thin, very pale green, greyish green  
 beneath. Fls. pure white large.  
~~Lower pulvinus dull yellow upper  
 pulvinus dark brown. Petiole dark green.  
 Lf. dark green above, dull, pale glaucous~~

PEBAS  
MAY 3 1977

7237. Calathea sturdleyi Mezbr. Marant.

(2) Herb 1 m. tall. in forest along

USM Trail. Lower pulvinus dull yellow,  
GH upper pulvinus dark brown. Lf.

dark, dull green above, pale glaucous, dull green beneath. Bracts

light green, thin. Calyx hyaline.

Corolla light yellow-orange. Staminodes yellow. Lvs. turning dark blue when bristled.

7238. Floscopa Commelinac.

USM (2) Herb in forest. Lvs. green  
F above, red-purple beneath. Calyx  
creamy-white.

7239. Plowmania Commelinac.

(3) Rosette herb in primary forest.  
USM Lvs. dark green above, with marked  
F sheen, costa red-violet to whitish,  
GH lvs. dark red-purple beneath.

FRS. axillary, calyx + capsule  
Type magenta. det Faden 1978.

7240? Gramin.

(1) Forest grass.  
USM

Piperace.

USA  
GH  
P

7241. Piper strigosum Trel.  
(3) Shrubs. 1.5 m. in forest. Spikes  
cream. det. R. Callejas 1986.

Gentianeae.

unicate

7242. ~~Lophosiphon~~ Voyria flavescens Griseb.  
(1) ~~Parasitic~~ saprophytic herb in  
U humus. Whole plant yellow.  
det. P.J.M. Maas 1978.

Burserae.  
~~Legum.~~

Resin

7243. Protium sp.  
(1) n.v. "copal"  
ECON Large forest tree 40 m. trunk  
.8 m. DBH. Seedling under tree  
plus fallen lvs.

+ products  
collection

gum-resin exudes from tree,  
wounds (from insects etc.). Heated to  
forming thick tar used in patching &  
sealing dug-out canoes.

PEBAS

MAY 4 1977

Peru: Dept. Loreto. Prov. Maynas.  
Pebas. Secondary forest behind  
town. 4 May 1977.

(A) 7244. Psychotria japurensis M. Arg. Rub.  
(3) Shrub 3 m. tall in thicket.  
chem voucher US Peduncle + rachis dark red-  
seed ECW US violet. FR. green turning purple-  
fotos. US black at maturity.  
det. D. Simpson 1977.

(FR) 7245. Guarea kunthiana A. Juss. Meliac  
(10) Tree 25 m. tall in chacara.  
USM K FI. buds cream. FRs. dark red,  
F GH MO large, woody.  
US

F 7246. Lacistema nana Macbr. Flac.  
GH USM (6) Tree 25 m. tall, ~~trunk~~ trunk  
40 cm DBH. Spikes yellowish  
US K green. FRs. red.  
det. C. Niessgo da 1979.

7247. Calathea exscapa (P. + E.) Koern. Merent.  
(2) det H. Kennedy 1978.  
(A) USM Herb forming large clump  
F along <sup>open</sup> trail in forest. Lvs. medium  
green above, pale glaucous green  
beneath. Bracts lt. green with  
faint red blush. Calyx white, spicely



PEBAS  
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pink. Corolla white. Stem nodes  
light yellow.

7248.

Annon.

GH (1)

Shrub 1 m. in forest. Pedicels  
pink. Fr. pale yellow green. Aromatic.  
(Vahl) Ktze.

7249 Marsypianthes chamaedrys

Labiatae

USM  
K  
GH  
F

(4) Aromatic herb in open place  
along trail in Pebas. Fls. lavender  
pink. det. T. Plowman 1979.

7250. Cryptochloa unispiculata Soderstrom Gram.

USM  
US  
GH  
F

(4) Herb along trail in chacara.  
det. Soderstrom 1982.

7251. Lasiacis ligulata Hitch. + Chase

USM-2  
F  
GH  
K  
US  
U

(7) Tall cane-like grass, scandent,  
3 m. tall in open thicket.  
det. O. T. 1977.

7252. Psilocybe cubensis (Earle) Singer

FARLOW  
FIELD MUS.  
Chew  
Worcher

growing in old cow dung  
in cow pasture along Rio Amazonas.

Stipe white. Gills pale brown.  
Pileus tan. Annulus, <sup>white turning</sup> black.

Hallucinogenic. Used by local  
youths for visions.

VOUCHER  
SPECIMEN

PEBAS  
MAY. 4. 1977

7253. Polyporus

(1) large polypore, delivered to  
FARLOW boat.

7254. Zamia

Zamiac.

(12)

live

USM

F-2

GH-2

US

NY

K

u Trunk

Giant cycad growing in <sup>steep</sup> mud  
bank of quebrada in primary  
forest. Petiole spiny, 2.6 m.  
tall, blade 1 m. long, with 5  
pinnae, thick coriaceous.  
~~Rhizome~~ oblong spheroid,  
15 cm diameter, 18 cm. long.  
sterile.

7255. Fauxia

Zamiac.

(2)

live

USM

GH

Cycad in forest margin,  
~~Trunk~~ ~~Rhizome~~ cylindrical, slightly  
curved 20 cm. long.

7256. Zamia

Zamiac.

(2)

live

USM

GH

GH

Cycad in forest margin  
~~to~~ in chacara. ~~Rhizome~~ Trunk  
cylindrical, somewhat warty,  
15 cm long, 6 cm. diameter.  
Sterile.

MAY 5 1977  
BRILLO

NUEVO

Peru: Dept. Loreto. Prov. Maynas:  
Rio Yaguasyaco, affluent of Rio  
Ampiyaco. Brillo Nuevo.  
5 May 1977.

7257. Spondias

Anacard.

(3) Tree 10 m. tall. Sterile.

USM  
ECON  
F

n.v. "ubos" - bark cooked with  
water. Taken for diarrhea.

7258. Heliconia hirsuta <sup>L.f.</sup> ~~Group~~ det. L. Andersson 1983.  
<sub>open</sub>

(6) Herb 2 m. tall in low flooded  
area along river bank. Lvs. shiny

(A)

USM  
GIT  
U  
F  
K  
S

med. green above, lighter <sup>shiny</sup> green  
beneath, <sub>+vein</sub> margin red. Infl. erect,  
plane. Bracts <sup>+vein</sup> red-orange. Bracteoles  
pale yellow. Pedicel + basal half of  
ovary orange. Upper half of ovary red.  
Perianth orange, dark green spot at  
apex, tip itself white. FR. red turn-  
<sup>dark</sup>ing blue at maturity.

(cult. Herbar. Tor)  
by  
Kress

7259. Virola loretensis A. C. Smith <sup>Myrist.</sup>

(6) n.v. "cumala blanca" <sup>Bark grey-brown  
dark red within.</sup>

Small tree 8 m. tall in low, flooded  
forest. Lvs. shiny medium green above,  
pale glaucous green beneath with rust  
brown hairs on nerves + costa. det. W. Rodriguez  
1977

Chem.  
voucher  
USM F  
ECON K

BRILL

NUEVO

MAY 5 1977

7260. Virola surinamensis (Rol.) Warb.

(6) n.v. "cumala colorada"

USM  
ECON  
F

Tree 15 m. tall in low, flooded forest, trunk 12 cm DBH.

K  
(6775)

Bark greyish brown, lt. yellowish within. Lvs. thickish, stiff, shiny, dark green above, costa yellowish green, margin not undulate;

Chem. voucher

pale greyish-green beneath, costa + nerves yellowish green; petiole light green.

Bark may be used to make narcotic pellets?

det. W. Rodrigues 1977.

7261. Prestonia

Apocyn.

(6)

USM  
F  
GH  
K  
MO  
US

Vine in flooded thicket on river bank. White latex.

Corolla tube yellowish green; limb white at center with 5 intense yellow nectar guides.

Petals ~~yellow~~ greenish yellow.

MAY 5 1977

BRILLO

NUEVO

Paullinia cupana Kunth det. R. 1987  
Gereau vel sp.

7262. Paullinia obovata (R. & P.) Pers. aff. Sapindac.

(3) B Liana in open flooded thicket.  
Fls. cream. det. R. Kiesner 1983.

USM  
GH  
MO

7263. Virola elongata (Bth.) Warb. Myrist.  
det. W. Rodrigues 1977.

(10) n.v. "cumala blanca"

Tree 30 m. tall with straight  
columnar trunk, unbuttressed,  
25 cm. DBH. Bark whitish grey-  
brown, reddish within. Resin  
turning red on exposure. Older <sup>petioles</sup>  
branchlets smooth, black. Twigs <sup>new petioles</sup> + 1  
scuffy, rusty brown. Lvs. dark shiny  
green above, Costa + nerves yellowish  
green, margin markedly undulate;  
beneath whitish glaucous green,  
dull, Costa yellowish-green. ~~lvs.~~

Chem.  
Voucher  
USM  
ECON  
F  
MICH  
NY  
MO  
K  
U  
P  
INPA

Used to make narcotic pellets.  
Strongest variety. ~~Res~~ Sap, phloem  
"resin" samples taken by T. Swain  
& L. Rivier. Peste prepared.  
This is it!

MAY 5 1977  
BRILL  
NUEVO

7264. Solanum jamaicense Mill. Solanac.

(7) Spiny shrub in open thicket near house. Fls. white - Frs. orange at maturity. det H. Nee 1977  
Poisonous.  
← not matched at F

USM  
MO  
NY  
K  
F

GH  
US

7265. Dioclea HUBERI DUCKE Legumin.

(5) Scandent shrubs in flooded river bank. Calyx dark purple brown. Corolla bright violet.  
DET. R.H. MAXWELL 1991

USM  
K  
F

GH  
US

7266. Scheelea cf. tessmannii Burret Palmae

(10) n.v. "shapaja" det. H.E. Moore '77

fotos  
(FR)  
SPATHE

BH

Large palm 15 m. tall, trunk columnar 5 m. tall, 0.6 m DBH. Lvs. ascending 10 m. long. Spathe 2 m. long. Infl. pendulous 1.5 m. long. Frs. brown.

USM  
GH  
ECON

use: Bark chopped off and burned to ashes. Used to make "sal de monte", for empiri tobacco paste.

F 7267. Psilocybe cubensis (Earle) Singer

F#

chew analyzed pasture.

VOUCHER SPECIMEN

MAY 6 1977

Peru: Dept. Loreto. Prov. Maynas.  
Pebas vicinity. 6 MAY 77

- F 7268. Mikania guaco HBK. Comp.  
USM (3) Herbaceous vine in open thicket.  
GH Fls. white. det. McDaniel 1982.
- US 7269. Digitaria horizontalis Willd. Gram.  
GH (7) Herb in chacara. det. O.T. 1977.  
USM-2  
F  
K
7270. Drymonia unecta Wiehler Gesner.  
(2) Vine in secondary forest.  
USM Bracts pink. Fls. yellow, Infl.  
GH mucileginous. lvs with dark purple  
brown spots. Leg.
7271. Desmodium axillare (Sw.) DC. var. axillare  
(2) Herb in chacara along trail  
GH Fls. violet. det. B. G. Schubert 1978  
USM
7272. ~~Mikania~~ Tococa cf. guianensis Aubl.  
(3) Shrub 2.5 m. tall in margin  
of forest. Buds pink. Fls. white,  
det. J. J. Wurdach 1978.  
USM  
GH  
F  
US

MAY 7 1977

Loc: Dept. Loreto Prov. Maynas. Pucallpa, Trail to behind village 2 hours walk in primary forest. 7 MAY 1977.

*P. barbiflora* A. DC. det. S.F. Sm. PL 1986?

7273. Psychotria ruizii Standl. vel aff. Rub.  
(6) Low shrub 0.6 m. tall in primary forest. Bracts purple. Frs. lt. green, bright blue at maturity. det. D. Simpson.

Chen  
Opuchen  
USM  
US ECON  
K F

7274. Rapatea paludosa Aubl. Repet.  
(2) Herb in primary forest. Bracts green. det. T. Plowman 1982.

USM  
F

7275. Zamia cf. ulai Zamiae.  
(6)

USM-1

Loc: Selby  
Banta  
Lyon

Acaulescent cycad 3 m. tall. Tubers large, ~ 15 cm. diameter. Petiole 1-1.5 m. & 13 pairs of leaflets. Sterile. Many seedlings under plant.

7276. Calathea straminea Peters. det. H. Kennedy 1978.  
(3) Herb in primary forest, Lus.

USM plicate, shiny med. green above, lighter green beneath, stiff-leathery. Infl. basal, rachis + basal bracts reddish. Upper brs. reddish green.

1 fert.



MAY 7 1977

7277. Pitcairnia

- (4) Rosette herb, epiphyte on tree  
 USM trunks, also on ground, fallen logs etc.  
 F Bracts pinkish green. Pedicel lt. green  
 GH-2 Calyx dull pink

7278.

- USM (2) <sup>Terr.</sup> Fern in primary forest, white  
 F Sandy soil. Schizaeac.

7279.

- USM (1) Herb in forest. Gram.

7280. Ichnanthus panicoides Beauv.

- USM (4) Herb in primary forest.  
 GH  
 K  
 US det. O. T. 1977. Acanth

7281. Ruellia cf. putumayensis Leonard

- USM (4) Herb on stream bank in primary  
 GH forest. Corolla pure white.  
 US det. D.C. Wasshausen 1979  
 F

7282.

- (3) Trailing herb to 1 m. tall in  
 USM forest clearing along trail. Lvs.  
 GH dark green with silvery band between  
 F Costa + margin, dark red-purple beneath  
 Calyx basally lt. green, lobes dark  
 purple. Commelin

PUCA URQUILLA

MAY 7 1977

sp.

7283. Perizoma vulgaris Tutin Gram.

(3) Herb in primary forest. Lvs. black-green above, dull, dark red-purple beneath. 1 fertile  
 det. O.T. 1977.

USM  
 GS  
 GH

7284. Triolena amazonica (Pilger) <sup>Wurdach</sup> Melast.

US (1) Herb in forest. Lvs. black-green unicate above, purplish beneath with dull green nerves. det. J.J. Wurdach 1978.

US 7285. Perizoma sp. Gram.

GH (3) Herb in primary forest. Lvs. dull, dark green above, slightly lighter green beneath, with purplish bluish. 1 fertile

USM

7286. Besleria sp. Gesneriac.

GH (4) Herb 1m. tall in primary forest. Pedicel + calyx orange. Corolla fleshy, yellow. det. H. W. 1978

USM  
 SEL

7287. Neutilocalyx sp. Gesneriac

(2) Herb on stream bank in primary forest. Lvs. blackish green above, shiny, purple beneath. Pedicel pale green. Calyx pink. Corolla pure white. det. H. W. 1981.

USM  
 GH

7288. Piper macrispicum Trel.

(3) Shrub 1.5 m. tall in primary forest. Lvs. shiny, blackish green above, shiny pale green beneath. Spikes dark green. det. R. Callejas 1982.

USM  
K  
F

7289. Dalechampia Euphorb.

(1) Unbranched shrub .8 m. tall in primary forest. Bracts + flowers pink. Gland yellow.

GH

7290. Calathea sp. nov. Marant

(4) Low herb in primary forest along trail. Petiole brown, pulvinus dark brown to reddish brown. Lvs. dark <sup>black</sup> green above with central pale green stripe, hairs golden. Peduncle + bracts pale pink. Calyx + corolla white. Stems + nodes violet. = 6515

(A)  
USM  
F  
GH - sterile  
K

7291. Neutilocalyx sp. Gesneriac.

(2) Creeping herb in primary forest. Lvs. dark green, shiny above, purple beneath, margin markedly undulate. Calyx magenta. Corolla white with dark purple-brown spots on ~~ventral~~ <sup>adaxial</sup> side of lower 2 lobes + throat.

USM  
GH  
F

PUCA URQUILLO

MAY 7 1977

7292. Ichnanthus sp. Gremin.

USM (2)  
US Herb in primary forest.

7293. Fareamea axillaris Standl. Rubiac.

USM (2)  
F Low shrub .5 m. tall in primary forest along trail. FRs. bright violet. det. D. Simpson 1978

7294. Monstera obliqua Miq. Arac.

USM (3)  
F Climbing herb in forest along trail. Wis-Selby det. M. Madison 1981.  
SEL # 77-223/5

7295. Zamia

(1)  
live? Cycad in primary forest along trail.

7296.

(2)  
USM F Commelin Herb to 30 cm. in primary forest along trail Lvs. dark green above, red-purple beneath. Infl. + calyx dark red purple.

7297.

(1)  
FH White fungus on dead tree twig.

MAY 7 1977

## PUCA URQUILLO

Catasetum7298. ~~Stenhopa~~

Orchid.

USM (2)  
AMESOrchid on stump in open chacara  
Sepals green. Petals dull greenish  
yellow.7299. ~~Stenhopa~~ Catasetum sp.

Orchid

(1)  
AMESOrchid on old stump in open chacara.  
Remnants of fl. white. FR. green.7300. Erythroxylum macrochemium Mart.

(2) n.v. "monte coa" "Secha coa"

GH

USM  
~~AMES~~VOUCHER  
SPECIMENUnbranched shrub 1 m. tall  
in primary forest. Lvs. all at top,  
dark shiny green above, costa yellowish  
green, pale glaucous green beneath  
veins yellowish green, areolae more  
or less distinct ~~to~~ darker yellowish  
green, ~~areolate~~ <sup>reticulate</sup> ~~areolate~~ <sup>reticulate</sup>. Stipules  
light brown. Bark thin, light tan,7300A. ? Licania longipetala Prance

ELOW

Bark of forest tree (dead).

Use: Bark burned and pulver-  
ized. Added to clay to make  
pots.  
"hu. apacharamo"<sup>h</sup>

MAY 7 1977

~~PROVINCE~~

ECOV 7301. Theobroma grandifolia Stercul.  
USM (2) n.v. cupuassú  
chem. Fruit purchased in market  
voucher in Iquitos by L. Rivier.  
or O. solimoesensis Rudd?

7302. Ormosia macrophylla Benth?  
Red + black seed bought  
at Pebas.

Ormosia  
7303. O. nobilis var. santaremensis (Duche) Rudd?  
Red ~~black~~ seeds bought  
at Pebas

7304. Ormosia coccinea var. subsimplax (Spruce ex Bth.)<sup>Rudd?</sup>  
Red + black seeds bought  
at Pebas.

7305. Ormosia amazonica <sup>Duche</sup> ~~Red~~  
Red + black seed on forest  
floor in primary forest near  
Pebas. Under large forest  
tree, trunk 1 m. DBH.

det. V. Rudd 1977.

MAY 7 1977

7306. Solanum ATURENSE DON.

(3) Spring vine in secondary forest

140-seed margin. FRS. bright red-orange  
DET. W. D'ARCY 1991

capitata?

7307. Cayaponia? cf. ruizii Cogn.

(4) h.v. "chacapa" det. P. Matekaitis 1984

(FR)  
USOL-  
F  
K  
GH  
Vine in forest. FRS. ovoid,  
8.5 cm long, 7 cm diameter  
pericarp 8 mm thick, pale green,  
orange at maturity. -2  
pulp orange. One-seeded.

Seeds used to make dancing necklaces.  
Unripe pulp white, poi-  
sonous. Orange when  
ripe.

MAY 8 1977

BRILLO

NUevo

Peru: Dept. Loreto: Prov. Maynas.  
Río Yaguasyaco, affluent of  
Río Ampiyaco. Brillo Nuevo.  
Forest behind village. 8 MAY 77

7308. Pelicourea condensata Standl. Rub.  
(1) ~~treelet~~ 4 m. tall. Rachis  
pedicel + calyx magenta. Corolla  
magenta pink. det. T. Plowman 1977.

chem.  
voucher  
ECON

F 7309. Duroia hirsuta (P. + E.) Schum. Rub.  
USM (4) det. D. Simpson 1977.

ECON  
ant  
voucher  
R678

Small tree 7-8 m.  
in ant-clearing in forest, growing  
with 7310. FR. green.

K  
F  
ECON 7310. Cordia nudosa Lam. Borag.  
USM det. T. Plowman 1977.

ant voucher  
R679

Treelet 6-8 m. in ant-clearing  
in forest, growing with 7309.  
sterile



Peru: Dept. Loreto. Prov. Maynas.  
 Pebas + vicinity. 4 hrs. walk  
 to interior primary forest.  
 9 MAY 1977.

7311. Jessenia

(FR) (5)  
 oil  
 USM-5  
 ECON-1  
 F  
 K-2  
 US  
 GH-4

n.v. "ungurabe morado"  
 collected by local woodsman.

Tall palm in ~~low~~ <sup>wet</sup> places  
 in forest, trunk .5 m. diameter.  
 Lvs. shiny, med. green above, pale  
 glaucous green beneath. Rachis  
 purplish. Frs. purple black,  
 flesh purple, 3.3-3.7 cm. ~~long~~ <sup>long</sup>  
 2.2-2.6 cm diam.

Best oil source, smaller fruits.  
 Pulp edible, liquid from boiling drunk.

7312. Jessenia

(FR) (15)  
 USM-4  
 oil  
 ECON  
 GH  
 F  
 K

n.v. unguarabe blanco

Collected by local woodsman.

Tall palm in wet places in  
 forest, trunk 0.5 m. diameter.  
 Lvs. shiny, med. green above, pale  
 glaucous green beneath. Rachis  
 yellowish, turning brownish.  
 Fr. black, flesh white, 3.5-4.0  
 cm long, 2.6-2.8 cm diameter.

Second best oil source, larger frs.

PEBAS

1990  
(DET. X. LONDON) Superba (Huber) McClure  
det. O.T. 1980.

GUADUA SUPERBA HUBER (Pilger) McClure

7313.  
(12)

Bambusa ~~testimonii~~

Bambu

Erect bamboo in flooded river bank, 6 m. tall.

det. G. Davidse 1980.

USM-2

7314.  
(2)

Citharexylum?

Verb.  
Melice.?

Waimoa  
P.R.

seeds found on forest floor near Pebas.

7315.

Tabernaemontana sp. LINKII A.DC. Apoc.

(1)

seeds found on forest floor,

F

Pebas. FR. capsular, 4-locular, 6-8 cm long, ellipsoid, valves woody. plant → Lyon Arb. 7 Oct 81.

7316.

Margaritaria nobilis L.f. det. R. Foster 1982

(F-1)

4-locular fruit found on forest floor - 2 seeds/locule.

FRS. brilliant metallic blue in color, fading on drying.

Euph.

7317.  
seed

Capsicum

Pebas. Cult.



7318.

Capsicum

Pebas market.



7319. Capsicum  
Pebas market.

○ yellow

7319A. Abuta?

Abutt

Large woody liana brought  
to boat for analysis. No voucher  
specimens.

END

7319B. Ficus?

Moraceae

(CON)

"Bolsa de  
"Lanchama" - ~~dark~~ red brown fiber.

Bag made of pounded bark.  
Puca Orquilla. Witoto.

7319C.

scorpion

MCE

found under rotten log. wet  
forest. Pebas.  
MAY 1, 1977.

7319-D.

F

Land fruit.  
Found near Pebas.



11 July 1977.

7320. Banisteriopsis?

voucher Piece of "yagé" stem collected  
in Ecuador by Mr. Loren Miller

Said to have unique psychotropic  
properties, different from  
typical "yagé".

Medicinal.

sent to L. Rivier 11 July 1977.

7321. Anthurium

(1)

F

Ecuador: Napo. Dureno.  
Coll. 1974. Cutting sent  
to Selby 12 Oct. 1977.

1 Nov 1977.

7322. Indigofera suffruticosa

(2)

Econ

Cult. Bedford, Mass. Grown  
from seed collected in San Luis de  
Shuara, Chanchamayo Valley,  
Dept. Junín, Peru, Mar. 1976.

Subshrub 1m. Fl. pink.

15 Sept 1977

Lagenaria siceraria

7323  
(4)  
ECON  
1'

Bedford, Mass cult.  
Pottle gourd grown from  
seed collected by E.W. Davis  
at Sagrome, Sierra Nevada  
de Santa Marta, Apr. 1974.

Fls. white.

9 Jan 1978 Miami, FLA. TheKemping

7324. Banisteriopsis caapi (Spruce)  
Morton

FTG  
MO AAU  
MBM GB  
F VEN  
RB QLA  
COL BH  
K SEL  
GB S  
ECON HBG  
US BM  
U BOG  
CTES NY  
CAS P  
INPA

Woody liana 8 m. tall  
climbing on telephone pole +  
wires. Planted 1974.

Fls. creamy white turning  
pink with age; both pink  
& white fls. occurring to-  
gether.

Grown from cutting from  
Martín + Plowman 1805, collected  
at Tarapoto, Dept. San Martín,  
Peru.

Ⓐ > K

1 MAR 78

7325. Fuchsia

MO

Cult. Woburn, Mass.  
Infl. pendulous. Fls. Scarlet.  
Waxes red below.  
Ex S.A.

14 MAR 78

7326. Colubrina reclinata (L'Her.) Brongn.

Herb purchased in La Platahara,  
Roxbury, Mass.

n.v. "mabi" (Puerto Rico)

"maby" (Barbados)

Decoction drunk as tonic.

14 MAR 78

7327. Chondrodendron

themizerm.

(10)

platyphyllum (A de St. Hil.) Miq.

det. Kruhoff + Barmby, 1978.

n.v. "curare"

Specimen of leaves, stems

and infl. sent from Brazil

by F. Monteiro, Sao Paulo,

to Abbott Laboratories. Said

to be source of curare

of commerce.

Living plant cultivated at

Green Case.

ECON-2

F S

RB P

NY COL

U

US

K

MO

VEN

Wabern, 5 Apr 78

7328. Strombosia Bugonia

(2)

A-AP

Herb 2 m. tall. cult.

F

Bracts + fls. carmine red.

7329. Vertheimia capensis (L.) DC. <sup>Liliaceae</sup> Amaryll.

AP

Bulbiferous herb. Fls. pale pink.

7330. Brumfelsia uniflora (Pohl) D. Don.

F

Cult shrub 30 cm tall.  
Deciduous, flowering after leaf drop at beginning of new growth. Fls. violet fading pure white with age, with yellowish green eye at throat.

Grown from seed collected in  
Brazil: Bahia: Monte Santo.  
alt. 610 m. approx. 39°20'W, 10°27'S.  
Ex Harley et al. 16432



7331. Billbergia pyramidalis va. pyramidalis Bromel.

Epiphyte grown in sand.  
Bracts light red. Fls. red.

7332. LYCIANTHES INAEQUILATEA Solanaceae.  
(1) (ROSBY) BITTER DET. M. NEE 1990

F Subshrub 30 cm. Lvs. deep purple below. Fls. yellowish.

Ex Plowman et al. 4005.  
(Ecuador: Prov. Napo. Rio Aguzico. Dureno. ~~Feb~~ Aug 1974)

Cult. Sept. 1977.

7333. Ischroma cyanea?

(1) Shrub 50 cm. tall. Fls. purple. Ex Plowman et al. 4594. Ecuador: Azuay.

Catanta - Pasaie Road.

~~Apr~~ Jun 1976.

7334. Ischroma fuchsoides

Cult. Shrub 2 m. Corolla bright red. Ex Kart. Quito Ecuador. Plowman et al 3888

MO  
A-JP  
RB  
BH

Woburn

7335. Solenandra guttata D. Don ex Lindl.

AA  
F

(1) ex Monroe Birdseye, Miami, Fla. 6337.

Liens 6 m. tall. Corolla creamy  
yellow, brownish purple stripes  
within.

~~Woburn~~

7336. Senecioidea

AA

(1) ~~Stout~~ Thymotous herb. Lvs. thick

terete 3 cm diameter.

Fls. cream.

Burlington Botanical Research station, Woburn Ma.

7337.

Ornithogalum caudatum (Ait.)

(Liliaceae) petals white with green  
midvein; bulbiferous herb

collected at Woburn, 11 March 1978

7338

Fuchsia (Aspirozui??) Melibride Onagraceae

calyx & corolla red

collected at Woburn, 11 March 1978

7339

Kalanchoë Blossfeldiana v. Poellnitz Crassulaceae

corolla red, leaves thick

collected at Woburn, 11 March 1978

Burlington Botanical Research Sta., Woburn Mass

- 7340 Capsicum frutescens (L.) Solanaceae  
corolla yellow, stamens pale blue, fruits: dark;  
purple berries; herb  
collected at Woburn 11 March 1978
- 7341 Columna, sp. unknown Gesneriaceae  
corolla bright red; vine  
collected at Woburn 11 March 1978
- 7342 Maranta leuconota E. Morr Marantaceae  
flowers white w/ purple spots; herbaceous  
from Woburn 11 March 1978
- 7343 Euphorbia pulcherrima Willd Euphorbiaceae  
flood bracts bright red, clear nectar covering  
flowers; small shrub  
from Woburn 11 March 1978
- 7344 Ficus carica L. Moraceae  
from greenhouse 2 April 1978
- 7345 Commelinaceae  
petals white tipped w/ pink, anthers yellow  
small straggling herb  
Woburn 11 March 1978

Burlington Bot. Resarch Sta., Woburn Mass

7346 Cardamine (sp. unknown) Cruciferae  
herb ~ 30cm; flowers small, white  
weed growing in Woburn greenhouse  
11 March 1978

7347 Hibiscus Rosa-sinensis L Malvaceae  
corolla deep red, anthers yellow  
from Woburn 11 March 1978

7348 Citrus sp. unknown Rutaceae  
flowers white, ~ 3cm across  
from Woburn 11 March 1978

7349.

1 Apr 78 det. T. Croat 1986.  
7350. Anthurium truncicolum Engl Arac.  
(F)  
Epiphyte, not climbing.  
Lvs. rubbery coriaceous, lt. green.  
Spathe light green. Spadix lt. green  
turning dark brown.  
= 7321? Origin: lost. Maybe Dureno  
Rio Aguerica, Ecuador

7351. Erythroxylum novogranatense  
var. trujillense

ECON

= 7612 Peru: Dept. La Libertad.

TRUJILLO?

"Trujillo Coca"

Received 10 Apr. 1978

from ENACO, Lima, Peru.

~~7352~~ Brouffelsia grandiflora

7352. Brouffelsia mire Monachino

(1)  
AA

Cult. Woburn, Mass.

18 Apr 1978. Ex Plowman + Davis

5172. Bolivia: Nor Yungas.

7353. Anthurium bakeri?

(1) Cult. Woburn. Lvs., inf.

AA erect. Ex Fantastic Gardens.

7354. Anthurium ocule Schott Arac.  
crispimarginatum

(3) Origin unknown. Lvs., inf. erect.

Spathe + spadix fl. green.

A-JP  
BH  
F

18 Apr 1978.

7355. Anthurium wendlingeri  
(1) Ex Selby Botanical gardens.  
AA Lvs. ~~long~~ pendulous.  
Inf. erect. Spathe purple.

---

11 March 1978

collections made at Woburn Mass:

Burlington Botanical Research Station greenhouse

7356 Cymbidium Orchidaceae

7357 Ficus lyrata Warb. Moraceae  
Small tree.

7358 Anthurium sp. Araceae

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7359. Erythroxylum nov.  
Ex 6180 self?  
17 MAY 1978. → Chris Campbell

7360. Erythroxylum nov.  
17 MAY 1978. Ex 6180 X "B"  
Dead  
22 Jan 79

