

Plowman et al.

8600 - 9294

RECORD

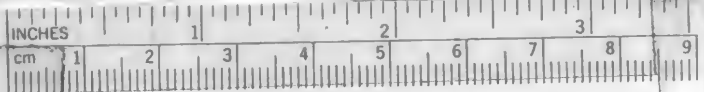
101

CRPT  
BOT  
Plowman  
018



**FOTO FINISH**  
3107 N. Broadway  
Chicago, Il. 60657  
929-9050

S M T W T F S							S M T W T F S						
<b>JAN</b>							<b>JULY</b>						
6	7	8	9	10	11	12	6	7	8	9	10	11	12
13	14	15	16	17	18	19	13	14	15	16	17	18	19
20	21	22	23	24	25	26	20	21	22	23	24	25	26
27	28	29	30	31			27	28	29	30	31		
<b>FEB</b>							<b>AUG</b>						
3	4	5	6	7	8	29	3	4	5	6	7	8	9
10	11	12	13	14	15	16	10	11	12	13	14	15	16
17	18	19	20	21	22	23	17	18	19	20	21	22	23
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<b>MAR</b>							<b>SEP</b>						
2	3	4	5	6	7	8	7	8	9	10	11	12	13
9	10	11	12	13	14	15	14	15	16	17	18	19	20
16	17	18	19	20	21	22	21	22	23	24	25	26	27
23	24	25	26	27	28	29	28	29	30				
<b>APR</b>							<b>OCT</b>						
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13	14	15	16	17	18	19	12	13	14	15	16	17	18
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<b>MAY</b>							<b>NOV</b>						
4	5	6	7	8	9	10	2	3	4	5	6	7	8
11	12	13	14	15	16	17	9	10	11	12	13	14	15
18	19	20	21	22	23	24	16	17	18	19	20	21	22
25	26	27	28	29	30	31	23	24	25	26	27	28	29
<b>JUNE</b>							<b>DEC</b>						
8	9	10	11	12	13	14	7	8	9	10	11	12	13
15	16	17	18	19	20	21	14	15	16	17	18	19	20
22	23	24	25	26	27	28	21	22	23	24	25	26	27
29	30						28	29	30	31			



**COMMON METRIC EQUIVALENTS**

(approximate)

**DISTANCE**

- 1 inch = 25 millimeters
- 1 foot = 0.3 meter
- 1 yard = 0.9 meter
- 1 mile = 1.6 kilometers

- 1 sq. inch = 6.5 sq. centimeters
- 1 sq. foot = 0.09 square meter
- 1 sq. yard = 0.8 square meter
- 1 millimeter = 0.04 inch
- 1 meter = 3.3 feet
- 1 meter = 1.1 yards
- 1 kilometer = 0.6 mile

- sq. centimeter = 0.16 square inch
- 1 sq. meter = 11 square feet
- 1 sq. meter = 1.2 square yards
- cu. centimeter = 0.06 cubic inch

**LIQUID MEASURE**

- 1 quart = .95 liters
- 1 cubic meter = 250 gallons
- 1 gallon = 0.004 cubic meter

**WEIGHTS & MEASURES**

- 1 gram = 0.035 ounces
- 1 kilogram = 2.2 pounds
- 1 kilowatt = 1.3 horsepower
- 1 ounce = 28 grams
- 1 pound = 0.45 kilogram
- 1 horsepower = 0.75 kilowatt





FEB 9 1980

COLLECTORS: T. Plowman, G. Davidse, N.A. Rosa, C.S. Rosario and M.R. dos Santos

Rebena do fogo

Continued BRAZIL: Estado Para, Municipio de Conceicao do Araquuaia. Range of low hills 20 km. west of Rondonço, near Corrego São João and tronca Monte Santa Teresa. Alt 350-620 m. 9 Feb. 1980, Approx. 8°03'S, 50°10'W.

8600. Dioscorea Dioscoreac.  
(9) Twining vine in open area in forest. Perianth dark reddish brown.

8601. Apuleia mollaris Spruce Legum.  
(11) Tree 18 m. tall x 40 cm. diam. at base of mountain in open forest. det. Rose 1980.  
WOOD foto

8602. Rudgea Rubiac.  
(11) Shrub 2 m. tall in open forest. Fruits green.

8603. Aspidosperma Apocyn.  
(12) Tree 10 m. tall x 15 cm. diam. Fruits brown. Growing in open forest at base of hill.  
WOOD

FEB 9 1980

P. STELIS (L.) KUIJT COMB. INED (KUIJT 1994)

8604. Phthirusa retroflexa (R+P.) KUIJT Loranth.  
(11) Hemiparasite in Anadenanthera peregrina. Fruits orange. det. KUIJT 1981.

8605. Rollinia exsucca (DC. EX DONAL) A. DC. Annonac.  
(11) Tree 12 m. tall x 15 cm. diam. at base of hill in forest. Fruits green. DET. P.J.M. MAAS 1998

8606. Clavija macrophylla (LINK EX R. GIES) <sup>MIB</sup> ~~Thymelaeaceae~~  
(12) Erect unbranched shrub in open flat forest. Flowers orange. DET. B. STAHL 1998

8607. Matayba Sapindac.  
(11) Tree 6 m. tall x 30 cm. diam. growing in open forest at base of hill. Flowers white.

8608. Cedrela fissalis Vell. Meliac.  
(4) Tree 16 m tall x 20 cm diam. Fruits brown. det. N. A. Rosa 1980.

8609. Polypodium decumanum Willd. fern  
(7) On top of hill on rocky outcrop. Fern 1 m. tall. det. Micket + Atehortua 1981.

FEB 9 1980

lythrac.

8610. Physo calymma scaberrima Pohl.

(5) Tree 15 m. tall X 15 cm.  
WOOD diam.

8611. PARMOTREMA TINCTORUM (NYL.) HALE Lichens

(5) Lichen on rock outcrop on  
top of hill.

8612. Tuidium schistocalyx (C.M.) Mitt. Musci

(11) Moss on bark of large live  
tree trunk in forest. det. Steere 1982.

FEB 10 1980

10 Feb 1980

8613. Taccarum CRASSISPATUM E.G. CONCALVES

2002

(7) Terrestrial aroid to 80 cm  
tall: Tuber subglobose, white within &

without, Petiole shiny with mottled brown  
and white snake-like pattern.  
Sterile. Occasional on rocky hillsides.

cult: A. Fernandez

8614.

Bryophyta.

(11) Liverwort on gravelly  
road bank in forest.

8615. Cucurbita moschota (Lam.) Poir. Cucurbitac.

(12) Trailing vine cultivated in  
cleared field. Flowers deep yellow -

FEB 10 1980

Orange. Fruits globose to ellip-  
soid to 30 cm. diameter.  
n.v. "albolboda"

DET. G. H. ZHU 1996

8616 Dracontium POLYPHYLLUM L. Araceae

(9) Terrestrial herb to 2 m  
tall occasional in forest.  
Leaves ternate, much divided.  
Petiole scabrous with small  
"spines", dull, mottled light  
and dark brown in snake-like  
pattern. Tuber hemispherical  
or top shaped, cream yellow  
within. \*FRuits white, exposed  
part brown. \* Forming small pink  
tubercles on upper surface.

lvs  
SEL, M.  
photos in  
cult.

8617 Erythroxylum subracemosum Turcz. Erythrox.  
DET. T. Plowman

(9)

Shrub 2.5 m. tall at edge of  
granitic rock outcrop in forest.  
FRuits pale green.

8618 Erythroxylum sp. aff. E. rufum Cav. Erythrox.

(4)

lvs

Shrub 4 m. tall in open flat  
"campina" area in cerrado.

Leaves dark shiny green above,  
dull pale green beneath.

Det. T. Plowman



FEB 10 1980

veins conspicuous above, obscure beneath.

8619. Mabea paniculata Benth. Euphorb.  
(11) Tree 10 m. tall x 15 cm.  
diam. Sparse white latex.  
Flowers cream. det. M.J. Huft 1984.

8620. Orchid.  
(11) Orchid on large boulder  
in 'campina' area in cerise.  
Fruit green.

8621. Cariniana rubra Gardner ex Miem. Lecythidac.  
(12) Tree 16 m. tall x 20 cm.  
diameter. Fruits brown.  
det. Prence 1981.

wood  
3 separate  
fruits

8622. Alibertia edulis (L.C. Rich.) A.C. Rich. <sup>ex DC.</sup> Rubiac.  
(11) Shrub 2 m. tall in open  
gravelly glade in lowland forest.  
Fruits shiny light green.  
det. Kirkbride 1981.

8623. Mandevilla scabra (P. + S.) K. Schum. Apocyn.  
(4) Twining vine in open gravelly  
glade in forest. Corolla tube white, reddish  
at base, lobes yellow. det. Leeuwenberg 1982.

FEB 10 1980

8624. Vismia Guttiferae  
(12) Shrub 2.5 m. on rock outcrop  
in forest. Fruits light green.

8625. Ipomoea Convolvulac.  
(8) Twining vine on moist rock out-  
crop in forest. Leaves dull dark  
green above, silvery beneath.  
Flowers reddish violet, tube  
deeper within. Anther white.

8626. Moutabea EXCORIATA MART. Polygalac.  
(5) Sprout from woody liana  
1.5 m. tall in capoeira.  
Fruits orange, globose.  
(DET. J. J. WURDACK, 1981)

8627. CHIOCOCCA SP. VEL AFF. C. PUBESCENS H. & B. EXR. 45.  
(8) Shrub 10 m. Fruits white.  
DET. J. KIRKBRIDE 1981

8628. Banara guianensis Aubl. Flacourtiac.  
(11) Tree 4 m tall x 5 cm diam.  
in capoeira. Fruits green.  
det. Sleumer 1981.

8629. Colliandra parviflora Benth. Mimos  
Legumin.  
(11) Shrub 1 m. tall in gravelly  
moist glade in low forest. Flowers  
dark carmine red. det. Barneby 1981.

FEB 10 1980

8630. Piper graciliramosum Yunker Piperac.  
(4) Climbing vine to 1.5 m. tall.  
Spikes erect. Base of hill in  
forest. det. R. Callejas 1981.

8631. Mabea Euphorbiac.  
(4) Treelet 2 m. tall in forest at  
base of hill. Flowers creamy white.  
Leaves dark green above, greyish  
green beneath.

var. scabrior Doell.  
8632. Ichnanthus calvescens (Nees) Gram.  
(2) Along road through forest.  
det. Davidse 1981.

8633. Tripsacum australe Cutler + Anderson Gram.  
(6) On rocky hillside shade of  
Quercus along stream. Plant 2 m  
tall. Anthers light yellow. Stigmas  
dark purple. det. G. Davidse 1984.

8634. Hemicarpha micrantha Nees Cyperac.  
(7) In wet area on rock  
outcrop. det. T. Koyama 1981

8635. ADIANTUM LATIFOLIUM LAM. fern.  
(11) Terrestrial fern in shade of  
forest. DET. MICKEL & ATEHORTUA 1981

FEB 10 1980

8636. Utricularia oliverana Stey. Lentibulariac.

(12) Herb in seepage area of rock  
(A) → K outcrop. Corolla pale yellow  
with dark yellow nectar guide.  
det. R. Taylor 1981.

8637. Utricularia hispida Lam. Lentibulariac.

(6) Herb in seepage area of rock  
outcrop. Corolla deep yellow,  
orange yellow at throat.  
det. P. Taylor 1981.

8638. Utricularia pusilla Vahl Lentibulariac.

(2) Herb in seepage area of rock  
outcrop. Corolla yellow.  
det. P. Taylor 1981.

8639. Ischnosiphon GRACILIS (RUDGE) Marantac.  
Koern

(7) Scandent liana 2.5 m.  
Bracts light green. det. L. ANDERSSON 1988  
(Sw.) Munro ex Benth.

8640. Ichnanthus pallens Gram.

(2) Herb decumbent at base  
in lowland forest.

8641. Eulophia Orchidac.

(5) Terrestrial orchid. Perianth  
light green, lip whitish with  
light green veins in lower 3/4,  
purple veins in upper 1/4.

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Pollinia yellow. det. E.A. Christenson 1983

8642. Helicteres Sterculiac.

foto (10) On Edge of rock outcrop. Shrub  
2.5 m. tall Fruit brownish  
green.

8643. Orchidac.

(2) Epiphyte in lowland forest.  
Perianth pale green, lip greenish  
white.

8644. Trichilia pallida Sw. Meliac.

(5) Understory tree 3 m. tall.  
Flowers pale green. det. Pennington  
1982.  
Gram.

8645. Streptogyna americana C. Hubbard  
(DET. G. DAVIDSE, 1980)

(11) grass in shade of lowland  
forest.

8646. Streptochaeta spicata EX NEES  
SCHROD. Gramin  
(DET. G. DAVIDSE, 1980)

(6) Grass in shade of lowland  
forest.

8647. Panicum aff. planotus Trin. Gram.

(16) Edge of forest along road forming  
sprawling colony. det. G. Davidse 1982.

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8648. Setaria vulpisetæ (Lam.) R. + S. Gram.  
(8) Edge of forest along road.  
det. G. D. Zizue 1982.

8649. Habenaria Orchidac  
(10) Terrestrial orchid in shade  
of rock outcrop with solitary  
tuber. Sepals light green. Corolla  
whitish. Column whitish.  
det. E. A. Christenson 1983

8650. Polygala cf. monticola HBK. Polygalac.  
(2) Erect herb in rock outcrop.  
Perianth pale pink.  
var. brizoides (St. H. + Moq.) Steyer.  
det. Wurdach 1981.

8651 Chamaesyce hyssopifolia (L.) Small Euphorbiac.  
(9) Herb on rock outcrop.  
White latex. Flowers green.  
Stem and some leaves reddish.  
det. M. J. Haft 1984.

8652. Psychotria hoffmannseggiana (Willd. ex R. + S.) M. Arg. Rubiac.  
(13) Understory shrub to 1 m.  
fall in lowland forest. Bracts  
white with pinkish tinge  
or sometimes greenish. Fruit  
green.  
det. Kirkbride 1981.

8653. Polypodium PERCUSSUM CAU. Fern  
(8) Fern climbing on tree trunk

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in lowland forest.  
DET. MICKEL & ATEHORTA 1981

8654. Marsdenia sp. Apocynac.

(3) Prostrate vine 3 m. long on rock outcrop. Latex white. Fruit green. det. R. Callejas 1985.

8655. Psychotria prunifolia (HBK.) <sup>Steyermark</sup> Rubiac.

(11) Understory shrub in lowland forest. Bracts dark green in apical half, yellowish in basal half; fruit green, calyx remaining yellowish in fruit. det. Kirkbride 1981.

8656. Bactris pectinata Mart. vel aff. Palmæ

(14) Spiny, single stemmed palm to 3 m. (7 sets) tall growing along small brook in forest. Fruits green. det. Kew 1984.

8657. Mesosetum longifolium Swallen Gram. <sup>m. loliiforme (Hochst.) Chase det. Figueiras 1987.</sup>

(6) Grass in moist gravelly glade in lowland forest. det. Davidse 1981.

8658. Axonopus CANESCENS (NEES) PILGER Gram. (DET. G. DAVIDSE, 1980)

(6) grass in moist "gravelly" glade in lowland forest.

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ROBUSTA CHODAT

8659. POLYGALA ADENOPHORA DC. SUBVAR. Polygalac.

(10) Herb in moist gravelly glade in low forest. Flowers red violet.  
(DET. J. J. WURDACK, 1981)

8660. Bulbostylis conifera C.B. Clarke Cyperac.

F NY (4) Herb in moist gravelly glade in lowland forest. det. T. Koyama 1981

8661. Habenaria Orchidac.

(6) Terrestrial orchid bearing several tubers in moist gravelly glade in lowland forest. Sepals green. Petals yellowish green, column dark purple.  
det. E. A. Christenson 1983

8662. Rhychospora trichochaeta C.B. CLARKE Cyperac.

F (11) Sedge in moist gravelly glade in lowland forest. Spikelets yellowish brown. det. T. Koyama 1981

8663. Rhychospora barbata Kunth. Cyperac.

F (11) Sedge in moist gravelly glade in lowland forest. Spikes brown.  
det. G. Davidse 1980

8664. Scleria pusilla Pilger Cyperac.

F (10) Sedge in moist gravelly glade in lowland forest. det. G. Davidse 1982



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8665. Paspalum plicatulum Michx. Gram.  
(10) Edge of moist gravelly glade.  
det. Davidson 1980.

8666. Orchidac.  
(3) Terrestrial orchid with solitary  
tuber in moist gravelly glade in  
lowland forest. Sepals green.  
Corolla lemon yellow.

8667. Orchidac.  
(1) Epiphytic orchid on tree trunk  
at edge of gravelly glade in forest.  
Perianth green, lip white.

8668. Symplocos Symplocac.  
(11) Tree 8 m. tall x 10 cm. diam.  
in lowland forest. Corolla and fila-  
ments white.

8669. Mimosa floribunda Willd. Leguminos.  
(9) Subshrub 1.5 m. in moist  
gravelly glade in forest. Filaments  
carmine pink, anthers white.  
det. Barneby 1981.

8670. Dioscorea acanthogyne Rusby, Dioscoreac.  
(6) Prickly vine among shrubs in  
weedy cleared field. Flowers  
det. F. Ayala 1985.

FEB 10 1980

greenish white.

8671. Bidens pilosa L. Compositae  
(6) Herb in weedy cleared field.  
Florets yellow. det. Robinson 1981.

8672. EMILIA FOSBERGII NICOLSON Compositae  
(10) Herb in weedy cultivated  
ground. Flowers deep carmine  
red. White latex. (DET. H. ROBINSON 1981)

8673. Renealmia alpina (Rottb.) Mez Zingiberaceae  
(11) Herb 2.5 m. tall in ravine  
in hillside forest, with 5-6  
stems. Peduncle deep pink.  
Fruits red, black at maturity.  
det. P. J. M. Mez 1983

8674. Hemionitis rufa (L.) Sw. Fern  
(10) Terrestrial fern in hillside  
forest on side of gully. det. Michel &  
Atehortua 1981.

8675. Dryopteris patula (Sw.) Lind. Fern  
(8) Epiphyte on trunk of  
urucaru palm in hillside  
forest. det. Michel & Atehortua 1981.

FEB 10 1980

8676. Psallinia Spindac.  
(9) Vine in forest along trail.  
Fruits red at maturity.
8677. Emilia sonchifolia (L.) DC. ex Wright Composit  
(5) Herb in weedy cultivated  
growth. Florets lilac. White latex.  
det. H. Robinson 1981.
8678. Cassia: Senna silvestris (Vell.) Leguminos.  
(11) Treelet 6 m. tall in edge  
of forest in cultivated ground.  
Calyx deep yellow. Petals  
yellow with red claw. det Bernaby  
1981. Irwin + Bernaby
8679. Malpighiac.  
(5) Twining woody vine in  
along road in thicket. Petals  
deep yellow.
8680. Polygala (DET. J. J. WURDACK, 1981) CF. SPECTABILIS DC. Polygalac.  
(12) Subshrub to 40 cm. tall  
on roadside in edge of thicket.  
Calyx reddish green. Wings  
white at base, laterally red-  
violet, apically green; tubular  
petals white, yellow at apex.  
Roots with methyl salicylate odor.

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8681. Erythroxylum daphnites Mart. Erythrox.

foto  
WOOD  
Uw

(10) Shrub 2.5 m. tall in forest along trail. Trunk corky, strongly ridged longitudinally. Leaves dark green above, slightly shiny, pale green dull beneath. Sterile.  
Det. T. Plowman

8682 Porophyllum Compositae

(5) Tall herb 1.5 m. tall in small forest clearing on hillside. Involucre green. Florets yellow-ochre.

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11 Feb 1980

8683. Bryophyta

(11) growing on vertical rock face in forest. Thallus bright green.

8684. Xylophragma sp. Bignoniaceae

(22) High climbing liana. Fruits woody, brown. det. A. Gentry 1981.

8685 Rhynchospora cephalotis Vahl Cyperaceae

(11) Herb in forest in low moist gravelly area. det. G. Davidse 1980

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8686. Annonac.  
(10) Perianth brownish without  
greenish within. Stamens dull  
yellow orange. Pistil green.  
Tree 10 m. tall x 15 cm. diam.  
in hillside forest.

8687. Sapotac.  
(4) Understory treelet 3 m. tall.  
Sap white. Fruit yellow.

8688. Calyptracarya glomerulata Cyperac.  
Urb.  
(11) on marshy area along stream-  
F let in hillside forest. det. G. Davidse 1980

8689. Selaginella Selaginellac.  
(10) In shade of hillside forest on  
boulder. Stems erect.

8690. Helicteres  
(1) Shrub 2 m. tall, in shady hill-  
side forest.

8691. Abuta GRANDIFOLIA (MART.) SANDW.  
Menisperm.  
(11) Scandent shrub tall in hillside  
forest. Buds green.  
(DET. B. A. KRUKOFF, 1981)

8692. Drymonia Gesneriac.

(8) Epiphytic vine in old palm leaf bases. Fruit green. Corolla creamy white, upper lip with red spots.

8693. Smilax Liliac.

(9) Climbing vine on tree trunk in cut over secondary growth. Fruit dark green.

8694. Luehea Tiliac.

(8) Tree 10 m tall x 15 cm diam. in hillside forest. Fruit green. Leaves dull dark green above, silvery green beneath with rusty brown veins.

EX A. RICH) STAFF  
(HOCHST. GRAM,  
DET. G. DAVIDSE, 1980

8695. Brachiaria brizantha

(10) Invader in open cutover secondary growth.

8696. Mesosetum cayennense Steud. Gram.

(8) grass in low wet gravelly open area by rock outcrop. Hairs on spikelets dark purple. det. Davidse 1981.

8697. Chrysophyllum sparsiflorum Klotzsch ex Miq. Sapotac.  
(14) Lowland forest along road.  
Tree 10 m. tall x 10 cm. diam.  
Latex white. Fruits green.  
DET. T. PENNINGTON 1992
8698. Cordia polycephala (Lam.) I. M. Johnston Boraginac  
(11) Treelet 4 m. tall in low-  
lying forest margin. Flowers  
cream. det. J. Kallunki 1984.
8699. Posoqueria sp. vel aff. P. latifolia (Rudge) R. & S. Rub.  
(11) Tree 10 m. tall x 15 cm.  
diam. in forest margin  
in low lying forest. Fruits  
globose, green. DET. J. KIRKBRIDGE 1981
8700. Allophyllus Sapindac.  
(11) Frequent shrub to 4 m.  
tall in forest margin.
8701. Heliconia hirsuta L.f. Musac.  
(9) Herb 2-3 m tall in roadside  
thickets. Bracts red-orange  
red towards tip. Corolla  
orange green at tip. Ovary  
yellow basally, green apically.  
Infl. erect distichous.  
DET. J. KRESS 1998

FEB 11 1980

8702. Spondias Anacardiaceae  
(7) Tree 15 m. tall x 30 cm.  
wood. diam. Fruits deep yellow  
at maturity. Frequent.

8703 Aspidosperma album (Vahl) R. Ben. ex Pichon, Apocyn.  
(11) Tree 12 m. tall x 30 cm.  
diam. Leaves dark shiny  
green above, dull pale green  
beneath. Fruits green.  
det. Leeuwenberg 1982.

8704. Rubiac.  
(9) Erect herb in moist marshy  
open gravelly area near  
rock outcrop. Corolla pure  
white, fugacious.

8705. Eriocaul?  
(13) Small rosette in shallow run-  
ning seep on top of granitic  
rock outcrop.

8706. Utricularia cucullata St. Hill. Lentibular.  
(2) growing in shallow seep on  
top of flat granitic rock outcrop  
in rich organic soil. Corolla  
red-violet, white patch at  
det. P. Taylor 1981.



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base of lip with tinge on yellow,

8707, Utricularia lloydii Merl. Lentibular.

(3) growing in shallow seep on top of flat granitic rock outcrop in rich organic soil. Corolla yellow throughout. Stems red. det. P. Taylor 1981.

foto

8708. Burmannia capitata (Walt. ex Grmel.) <sup>Mart.</sup> Burmanniac.

(2) Delicate herb in moist gravelly area next to flat rock outcrop, among sedges. Flowers cream. det. P. J. M. Maas 1981.

(A) → U  
fotos

8709. Burmannia flava Mart. Burmanniac.

(7) • Delicate herb on moist gravelly area next to flat rock outcrop among sedges. Ovary yellow. Perianth greenish yellow. det. P. J. M. Maas 1981.

fotos  
(A) → U  
(B) → K

8710. Polygala galioides Poir. Polygalac.

(4) Delicate herb in seepage area on rock outcrop. Plant dark purplish. Flowers cream. det. Wurdack 1981.

8711. Caladium bicolor Ait. Arac.

(4) Terrestrial aroid at edge of moist rock outcrop in

FEB 11 1980

forest. Leaves shiny dark green above, not variegated, pale glaucous green beneath. Petiole pale brown with faint mottling. Tuber flattened, discoid to subglobose, yellow within. det. T. Croat 1982.

8712. Erythroxylum daphnites Mart. Erythro

(12) Treelet 3 m tall in

WOOD- low lying forest next to  
Seedlings granitic rock outcrop.

WOOD-Uw  
MADw  
Det. T. Plowman

Leaves semi shiny, dark green above; dull light green beneath. Sterile.

8713. Ocimum micranthum Willd. Labiat.

(8) Strongly aromatic herb along open roadside in cleared area. Calyx pale green. Flowers pale violet.

det. R.M. Harley 1984.

8714. Erythroxylum leptoneurum D.E. Schubert Erythro

(5) Shrub 1.5 m. tall in forest margin along road in low-lying forest on gravelly soil. Leaves dull medium green above, shiny light green

Det. T. Plowman

beneath, lightly bullate and  
strongly undulate at margin.

8715 Phyllanthus stipulatus (Raf.) Webster Euphorbiac.

(8) Delicate herb in seepage  
area on open flat rock out-  
crop. det. M. J. Huft 1984.

8716. Cestrum Solanac.

(8) Shrub 1.5 m tall with long  
virgate branches arising near  
base. Growing at edge of thicket  
along road. Fruits green.

8717. Oryza sativa L. (DET. G. DAVIDSE,  
1980) Gram.

(11) Cultivated grass in hilly  
gravelly fields.  
n. v. "arroz"  
fotos

8718. RIENCOURTIA ANGUSTIFOLIA GARDN. Compositae

(13) Erect herb in seepage on  
open flat rock outcrop on  
gravelly soil. Florets white,  
strongly aromatic, resembling  
Carrot. (DET. H. ROBINSON 1981)

FEB 11 1980

8719. Prestonia lindmannii (Malme) Hehne Apocyn.  
(9) Twining vine with clear  
sap in open cut-over area.  
Corolla tube green yellow,  
lobes dull red, green at base,  
thickening at throat yellow.  
Anthers white = Root stalk  
thickened, det. A.J.M. Leeuwenberg 1981

8720. Cayaponia racemosa (Mill.) Cogn. det. Jeffrey 1981. Cucurbit.  
(9) Herbaceous climbing vine  
in open weedy cleared area.  
Staminate flowers: corolla  
green, upper half and margin  
of lobes white. Pistillate  
flowers: corolla same,  
stigma white. Fruit green.

8721. Physalis Solanac.  
(1) Herb in open weedy  
cleared area. Corolla pale  
yellow, brownish basally.

8722. Maxillaria ALBA (W.J. Hook.) Lindl. Orchidac.  
(12) Epiphytic in hillside forest.  
Perianth completely white.  
det. E. A. Christenson 1983, 1999

8723.

Orchidaceae

foto

(3)

Epiphytic orchid in hillside forest. Perianth yellowish green, with a few dark red dots along margin. Lip white with scattered dark red dots, lip turning yellow with age.

8724. Ichnanthus PROCORRENS (NEES & EXTRIN.) SWALLEN  
(DET. G. DAVIDSE, 1980)

(6)

Scandent grass among tall herbs at edge of moist marshy area in partial shade.

8725. Crotalaria

Legumin.

(1)

Herb in open cleared area. Flowers yellow.

8726. Luehea CANDICANS MART. Tiliac.

(11)

Shrub in forest margin at edge of marshy area. Fruits green. Leaves dull green above, whitish beneath. DET. L.J. DORR 1998 (NY)

8727. TOCOYENA SP. VEL AFF. T. FOETIDA P. & E. EX CHAR. RUB.

(11)

Tree 15 m. tall, x 10 cm. diameter. Fruit woody, green.

DET. J. KIRKBRIDE 1981

T. FORMOSA (CHAM. & SCHLECHT.) SCHUM. SSP. FORMOSA

DET. A. L. PRADO 1984

FEB 1 1 1980

8728. Randia Rubiac.  
(12) Shrub 2 m. tall in forest  
understory. Fruits green,  
yellow at maturity.

8729. EUGENIA Myrtaceae  
(11) Tree 5 m. tall x 8 cm  
diameter. Growing along  
road in forest margin.  
Fruits green. (DET. L. LANDRUM, 1981)

8730. PSIDIUM Myrtac.  
(11) Tree 15 m. tall x 30 cm  
diameter. Fruit green  
(wood) (DET. L. LANDRUM, 1981)

8731. Miconia MINUTIFLORA (BONA.)<sup>DC.</sup> Melastom.  
(10) Tree 6 m. tall. Flowers  
white. In low lying forest  
margin. (DET. J. J. WURDACK, 1981)

8732. Mayaca fluvialis Aubl. Mayacac.  
(13) Submerged mat-forming  
aquatic herb in small stream  
running over granitic rock  
outcrop. Flowers white.  
Fruits pale green.  
foto. det. A. Lowrieig 1981.

FEB 12 1980

12 Feb 1986

8733, Lichen.  
(2) growing on base of rotten Vellozia stem in low moist rocky outcrop.

8734 AMALOUA GUIANENSIS AUBL. Rubiac.  
(12) Tree 8 m tall x 10 cm. diam. in secondary forest margin. Fruits red purple. DET. J. KIRKBRIDE 1981

8735. Cassia Legumin.  
(11) High climbing liana with bright yellow wood. Buds deep yellow. Fruits dirty yellow.

8736. Bauhinia unguolata L. Legum.  
(12). Shrub 1.5 m. tall. Stamens white. J. Grimes 1981.

8737. Bauhinia zuleata L. Legum.  
(11) Armed shrub to 3 m. tall in roadside thickets. Petals and Stamens white. Frequent. det. J. Grimes 1981.

8738. Byttneria catalpifolia Jacq. Sterculiac.  
(11) High climbing liana in forest margin. Flowers white. subsp. catalpifolia det. P. Matebaitis 1982

FEB 12 1980

8739. Mendoncia glabra (P. & E.) Nees Acanthac.  
(11) Liana 15 m. in treetops.  
F Corolla creamy white, lower  
lobe yellowish, lower three  
petals with dark purple veins  
at throat. det. D. Wasshausen 1983

8740. Hamelia PATENS JACQ. VAR. GLABRA OERST. RUB.  
(11) Shrub 2 m. tall in under-  
story of forest. Fruits dull  
orange, purple black at  
maturity. DET. J. KIRKBRIDE 1981

8741. Plukenetia penninervis Muell. Arg. Euphorb.  
(10) Herbaceous vine in forest  
edge. Fruits green.

8742. Thyrsodium paraense Huber Anacardiaceae  
(11) Tree 16 m tall x 35 cm.  
circumference. Fruits  
green. det. N. A. Rose 1980.

8743 STYLOGYNE AMBIGUA (MART.) MEZ Myrsinac.  
(5) Shrub 4 m. in forest under-  
story. Fruits green.  
(DET. J. J. PIPOLY 1981)



8744. Hyptis atrorubens Poit. Labiatae  
 (8) Sprawling prostrate weed  
 on barren roadside. Corolla  
 white. det. R. M. Harley 1984.

8745. Adiantum oyapokense Jenman fern  
 (5) Delicate fern on shady  
 streambank in forest. Rare.  
 spores det. Michel + A. B. Holstun 1981.

8746. Adiantopsis radiata (L.) Fee fern  
 (14) Delicate fern in forest  
 spores near small stream, det. Michel 81.

8747. Clematis BONARIENSIS Juss. Ranunculac.  
 (10) High climbing vine in  
 forest margin along road.  
 Buds white. DET. J. RAMOS, 1992

8748. Cissas sicyoides L. Vitaceae  
 (4) Climbing vine in forest margin  
 F along road. Petals cream.  
 Fruit black at maturity.  
 det. J. Kallunki 1981

8749. Ludwigia octovalvis (Jacq.) Raven Onagrac.  
 (6) Rank herb 2 m. tall in marshy  
 open roadside. Petals yellow.  
 det. Raven 1981.

FEB 12 1980

8750. Commelina benghalensis L. Commelinac.  
(8) <sup>us</sup> Sprawling herb in thicket  
on steep road bank. Flowers  
blue. det. R. Faden 1981.

8751. Hyptis suaveolens (L.) Poit. Labiatae  
(9) Aromatic herb to 2 m tall  
in moist open roadside.  
Flowers pale blue violet.  
det. R. M. Harley 1984.

8752. Clidemia HIRTA (L.) D. DON Melastomat.  
(11) Shrub 2 m. tall in forest  
margin along stream. Fruits  
dark blue - violet at maturity.  
(DET. J. J. WURDACK, 1981)

8753. LINDERNIA CRUSTACEA (L.) <sup>F. MUELL.</sup> Scrophulariac.  
(8) Prostrate herb in standing  
shallow water on open road-  
side. Flowers pale blue -  
violet. DET. KARL A. VINCENT 1989

8754. Theobroma speciosum Spreng. Sterculiac.  
(5) <sup>Separate fruit</sup> Small tree 6 m. tall x 6 cm  
diam. with leaves all near  
top of tree forming broad  
flat crown. Leaves dark  
shiny green above, pale

FEB 12 1980

grey green beneath. Buds green. Old fruits brown, 8 cm. long, broadly ellipsoid.  
det. P. Matekaitis 1982

(mostly)

8755. Cissampelos tropaeolifolia DC.

(12) Climbing vine in open roadside in thicket. Pistillate flowers creamy white. Fruits pale green. ♀ fr + ♂ fl. but some lvs. of another species. Det. R. Barneby 1981.

8756. Ludwigia hyssopifolia (G. Don) Exell Onagrac.

(8) Coarse herb 1.5 m. tall in marshy open roadside. Petals yellow. Ovary red. det. P. Raven 1981.

8757. ADIANTUM LATIFOLIUM LAM. fern

(11) Terrestrial fern with creeping rhizome in low rocky forest. DET. MICKEL & ATEHORTUA 1981

8758. Spigelia Loganiac.

(2) Herb in forest along stream. Flowers white.

8758A. Schizolobium  
Common 20' growth tree  
Photo only

FEB. 12 1980

8759. Siparuna Monimiac.  
(6) Shrub 3 m. tall in edge of forest. Aromatic. Flowers creamy white.
8760. Cordia multispicata Cham. Boraginac.  
(11) Treelet 4 m. tall in forest margin along road; Flowers Cream. Fruit red at maturity -  
det. J. Kallunki 1984.
8761. Spilanthes alba L'Her. Composit.  
(6) n. v. "xambú" - herb used in tacacá soup. for spicy flavor. Aromatic herb in open roadside.  
det. H. Robinson 1981.
8762. Ipomoea pinnata Convolv.  
(12) Aggressive herbaceous vine in roadside thicket. Flowers bright red.
8763. Gurania zuminata Cogn. Cucurbit.  
(12) Herbaceous vine on roadside in forest margin. Flowers lemon yellow. Fruit green.  
det. Jeffrey 1981.

8764. Mandevilla scallia (R. & S.) K. Schum. Apocynac.  
 (11) High climbing liana in forest,  
 Latex white. Fruit green.  
 det. Leeuwenberg 1982.

8765. Aristolochia Aristolochiac.  
 (1) Roadside climber. Corolla limb  
 mottled velvety dark purple,  
 deep yellow at center. Tube  
 greenish white.

8766. Brachiaria HUMIDICOLA (RENDEL) <sup>SCHWEICK</sup> (GRAMIN.)  
 (6) (DET. G. DAVIDSE, 1980)  
 Forming colonies on  
 weedy roadside.

8767. Pteris propinqua Agherd. Fern.  
 (3) Terrestrial ternate fern  
 in shade of forest along  
 stream. det. Michel 1981.

8768. Setaria geniculata (Lam.) Beauv. Gram.  
 (8) (DET. G. DAVIDSE, 1980)  
 Grass on weedy roadside,  
 Bristles yellowish.

8769. Coccoloba coronata Jacq. vel aff. Polygonac.  
 (11) Tree 10 m. tall x 15 cm diam.  
 Fruit red.  
 det. R. A. Howard 1984

C. CORONATA JACQ. DET. J. BRANDBYCE 1992

FEB 1 2 1980

8770. Phyllanthus stipulatus (Raf.) Webster Euphorbiac.  
(9) Herb to 1 m. tall in shallow  
standing water on open  
roadside. det. M. J. Huft 1984.

8771. Nectandra cuspidata Nees Laurac.  
(11) Tree 15 m. tall x 20 cm.  
diam. Flowers creamy  
white. In forest margin.  
det. H. v. d. Werff 1985.

8772. Paspalum DECUMBENS Sw. Gram.  
(12) Weedy roadside in shade  
of forest margin.  
(DET. C. DAVIDSE, 1980)

8773. Calathea Maranta c.  
(6) Herb in shade of forest  
along stream. Bracts mem-  
branaceous pure white to  
violet. Flowers pure white.

8774. Heliconia psittacorum L.f. Musaceae  
(5) Herb ca. 1 m. tall in  
roadside thickets. Bracts  
red, orange toward base.  
Perianth orange except for  
dark green spot on abaxi-  
al side at apex. Ovary orange.

det. L.  
Anderson  
1982.

13 Feb 1979

8775. Piper graciliramosum Yuncker Piperac.  
 (12) Climbing vine with holdfast roots, to 1.5m. tall on slender tree trunks in rocky forest. Flowering spikes yellow. Fruiting spikes green. Young plants occurring as rosulate prostrate herb. on forest floor.  
 F det. R. Callejas 1981
8776. Bertiera guianensis Aubl. Rubiac.  
 (12) Shrub 2.5 m. tall in thicket in forest margin. Flowers white. Fruit green. det. Kirkbride 1981.
8777. Dioscorea Dioscoreac.  
 (4) Climbing vine. Fruit green to brown. On top of rocky mountain.
8778. Paspalum ~~paniculatum L.~~ malacophyllum Trin. Gram.  
 (13) Grass on steep open rocky mountain top. det. G. Davidse 1983
8779. Arrabidaea platyphylla DC. det. Gentry 1981. Bignoniac.  
 (11) High climbing liana on open rock outcrop on steep hilltop. Glyx pink. Corolla deep rose

FEB 13 1980

pink.

8780. FARAMEA Rubiac.

(11) Tree 10 m. tall x 30 cm. diam. near summit of steep rocky hill. Fruits green.  
DET. J. KIRKBRIDE 1981

8781. Magonia pubescens St. Hil. Sapindac.

(7) Tree 12 m. tall x 15 cm.

sep. fruit wood  
diam. growing at base of rock outcrop on steep hill side. Fruits brown, sub-globose, to 9 cm diameter, 7 cm long. det. P. Acevedo 1985.

8782. Emmotum nitens (Benth.) Miers Icacinac.

(12) Tree 12 m. tall x 20 cm diam. among boulders on hill-top. Leaves shiny, dark green above, silvery white beneath. Buds cream. det. R.A. Howard 1984.  
D. DE STEFANO 1995

8783. Spondias Anacardiac.

(11) Tree 18 m. tall x 45 cm diam. growing among boulders on top of mountain. Fruits yellow orange.  
wood



FEB 1-3 1980

8784. Gouania lupuloides (L.) Urban Rhamnac.  
(7) Twining vine in crack in  
rock outcrop on mountain  
top. Buds tawny.  
det. M.C. Johnston 1981.

8785. Orchidac.  
(1) Orchid on exposed rocks,  
Perianth green with brownish  
tinge. Lip and lobes whitish.

8786. Euphorbia sciadophylla Boiss. Euphorbiac.  
(9) Herb on rocks in forest in,  
steep hillside. White latex. Fruits  
green. det. M. J. Haft 1984.

8787. Spermaceae: Rubiac.  
(11) Herb in moist depression  
on exposed rock outcrop. Corolla  
white.

8788. Ananthacorus angustifolius (Sw.) Anderw. Fern.  
(2) Fern on rocks in forest  
in steep hillside. det. Michel.

8789. Anemia AFF. OBLONGIFOLIA (Cav.) Sw. Zaeac.  
(12) Small pilose fern on moist rock  
faces in forest on steep hillside.  
DET. MICKEL & ATEHORTUA 1981

FEB 13 1980

8790. Aemia PASTINACARIA MORITZ Schizaeac.  
(10) Slender fern on moist rock  
faces in forest on steep hill-  
side. DET. MICKEL & ATEHORTUA 1981

8791. Ficus guianensis Desv. in Hem. Moraceae  
(14) Tree 6 m. tall x 12 cm  
diam. Latex white. Growing  
on rock outcrop. Fruit  
pink with red dots.

8792. Brassavola Orchidac  
(7) Orchid on vertical cliff  
face in shady exposure.  
Perianth light green, sepals  
with irregular dark purple  
dots on back. Lip and column  
white. Lip with dark yellow  
base. Flowers fragrant.

8793. Strychnos PARVIFOLIA A. DC. Loganiac.  
(11) Liana in hillside forest.  
Branches spiny. Fruit  
green. (DET. B.A. KRUKOFF, 1981)

8794. Trigonio NIVEA Comb. var. Trigoniac.  
 (7) Woody vine in crack in ex-  
 posed rock outcrop on moun-  
 tain top. Buds white.  
 DET. E. LLERAS 1991

8795. Ichthyothera dauidsei H. Robinson Composit.  
 (4) Herb 0.8 m. tall in moist  
 crack in exposed rock out-  
 crop on mountain top. Florets  
 white. PARATYPE

8796. Coutarea hexandro (Jacq.) K. Schum. Rubiace.  
 (11) Tree 6 m. tall in crack  
 in exposed rock outcrop on  
 mountain top. Fruits light  
 green. det. B. Boon 1981.

8797. Bomarea Amaryllidac.  
 (2) Scandent vine among  
 boulders on steep hillside. Fruits  
 green. sepals pale carmine pink  
 with green tip. Petals green with-  
 out green with purple black markings  
 within.

(NAUDI) COON.  
 8798. Tibouchina POGONANTHERA Melastom.  
 (6) Tree let 3 m. x 15 cm. diam.  
wood among boulders on rock

FEB 15 1980

outcrop on steep hillside.  
Fruits green. (DET. J.J. WURDACK, 1981)

8799. Anemopaegma pabstii A. Gentry Bignon.  
(2) Woody vine among boulders on steep rocky hillside.  
Fruit green, det. A. Gentry 1982.

8800. Mimosa pusiliceps Barneby Legum.  
(10) Subshrub in seepage area on rock outcrop. Flowers rose, det. R. Barneby 1984.

8801. Lantana aristata (Schau.) Briq. Verbenac.  
(8) Scrambling herb in moist area among boulders on steep hillside. Corolla white with yellow center, det. Moldenke 1981

8802. Sclerolobium Legumin.  
(10) Tree 8 m. tall x 15 cm diam. among boulders on steep cliff on hilltop. Fruits green.

8803. Cissus simsiana Roem. + Schult. Vitaceae  
(11) Climbing vine semi-woody

FEB 13 1980

at base in hillside forest. Immature fruit red, mature fruit purplish black. det. T. Plowman 1984.  
J. A. LOMBARDI 1993

8804. Banisteriopsis muricata (Sw.) Cuatr. Malpighiac.  
(2) Petals white with pink tinge, filaments white, anthers yellow. Leaves dull green above, silvery sheen beneath. Liana in hillside forest.  
det. B. Gates 1981-

8805. Magonia pubescens St. Hil. Sapindac.  
(3+3) Tree 6 m. tall x 10 cm. diam.  
Fruit brown. det. P. Acevedo 1985.  
Separate fruit

8806. Legum.-Papilion.  
(1) Subshrub 1 m tall. Petals red. On hilltop in open forest.

8807. Digitaria insularis (L.) Mez ex Griseb. EKANAN  
(4) Grass in open disturbed ground. (DET. G. DAVIDSE 1980)

8808. Himantanthus articulatus (Vahl) Woods Apocynac.  
(6) Tree 6 m. tall in crack of large rock outcrop on moun-

FEB 13 1980

tain top. Flowers white,  
fragrant. det. P. Ravena 1981.

8809. Trachypogon gram.  
(3) grass in moist glade on  
gravelly soil.

8810. Cestrum LATIFOLIUM LAM. Solanac.  
(11) Shrub 2.5 m. tall in  
weedy open thicket. Flow-  
ers creamy white. Imma-  
ture fruits violet, black  
at maturity. DET. M. NEE, 2000

8811. Amaranthus SPINOSUS L. Amaranth.  
(10) Coarse spiny herb to 2 m.  
tall in open pasture. Stems  
bright pink. Flowers green.  
DET. T. M. PEDERSON, 1999

8812. Capsicum Solanac.  
(6) Cultivated herb 2 m tall  
in houseyard. Pedicel  
erect, flowers and fruits  
noddling. Fruits light  
green with dark purple  
blush.

8813. Bromelia villosa Mez relaff. Bromeliac.  
 (8) Armed bromeliad on open exposed rock outcrop on steep hillside. Leaves on flowering plants turning bright red. Inflorescence broad and flat, at ground level, yellowish brown, covered with 1-2 cm thick layer of mucilage. Flowers pale pink. det. L. B. Smith 1981.
- 3 separate infloresc.
8814. Guazuma ulmifolia Lam. Sterculiac.  
 (9) Tree 8 m. tall x 12 cm. diam. along boulders on hilltop. Immature fruit green. det. P. Matekaitis 1982
8815. Ancropægma pabstii A. Gentry Bignoniac.  
 (9) Woody vine 3 m. tall among boulders in open rock outcrop on mountain top. Fruits green. det. A. Gentry 1981.
8816. Octopleurum albidum Hedw. Musci  
 (11) Moss on moist boulder in hillside forest.  
 det. Steere 1981.

FEB 13 1980

8817. HETERODERMIA SPECIOSA (WOLF.) TREV. Lichens  
(7) Bluish green lichen on  
granitic rocks in hilltop  
forest.

8818 Stereophyllum obtusum Mitt. Musci.  
(11) Moss on large granitic  
boulder in hilltop forest.  
det. Steere 1981.

8819. Paspalum gardneri Gram.  
(1) Grass in open moist gravelly  
glade in forest.

FEB 14 1980 / 14 Feb 1980

8820. Adiantum GLAUDESCENS KL. Fern.  
(10) Fern with horizontal rhizomes  
in lowland forest. Frequent.  
DET. MICKEL & ATENHORTUA 1981

8821. Maranta orbiculata Pers. Marantac.  
(11) Frequent herb in open moist  
clearings on rocky hillside. Lvs.  
pale green, lightly pruinose be-  
neath. Bracts and flowers  
bright orange. Flowers  
visited by butterflies.

F1 → A  
Kren  
Andersson

A → K  
Foto with  
8443.



8822. Jacaratia spinosa (Aubl.) DC. Caricaceae  
 (3) Tree 11 m tall x 33 cm.  
 diam. Trunk and branches  
 with short sharp spines. Leaves  
 shiny dark green above, pale  
 grey-green beneath. Fruit  
 orange. In rocky forest.  
 det. V. M. Badillo 1982.

8823. Poupartia Anacardiaceae  
 (10) Tree 18 m. tall x 40 cm. diam.  
 in hillside forest. Fruit  
 subglobose, green.  
 Fruit  
 spines

8824. Ficus maxima P. Miller Moraceae  
 (12) Tree 20 m. tall x 90 cm.  
 diam. in forest at base of  
 hill. Latex cream, abundant,  
 caustic. Fruits light green.  
 det. Berg 1981.

8825. Fungus  
 (2) Fungus on dead tree  
 trunk. Deep rose pink.

8826. Cyperus sphacelatus Presl Cyperac.  
 (3) Roadside weed.

FEB 14 1980

8827 Paspalum conjugatum BERG. Gramin.  
(7) Stoloniferous roadside weed.  
(DET. G. DAVIDSE, 1980)

8828. ~~Cyperus~~ Mariscus flavus Vahl Cyperac.  
F NY (4) Roadside weed, det. T. Koyama 1981

8829. Cyperus diffusus Vahl Cyperac.  
F (11) Roadside weed.

Brazil: Edo. Pará: Mun. Santena do Pragaia.  
Fazenda Codespar. Road to Rio Dourado,  
18 Feb 1980 -

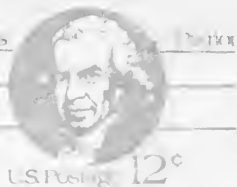
8829A. Bemsteropsis lucida Malpigh.

slides only

W. R. Anderson  
UofM Herbarium  
North Univ. Bldg.  
Ann Arbor, Mich. 48109



Samuel Thomas



Dr. Timothy Plowman  
Botany Dept.  
Field Museum  
Roosevelt Road at Lake Shore Drive  
Chicago, Illinois 60605

23 April 82

Tim,

Many thanks for the ~~most~~ nice high pix. The specim, says  
Bron Gato, is most likely *Banisteriopsis* <sup>?</sup> *lucida*. The  
other possibility is *B. pubipetala*, which is similar and  
grows in the same area but usually has an unbranched  
inflorescence.

Regards,  
Bill

Howman et al.  
8829A.

Collectors: T. Plowman, G. Davidse, N.A.  
Rosa, C. S. Rosario and M. R. dos Santos.

FEB 18 1980

BRAZIL: Estado Pará. Município  
Santana do Araguaia: 100 km  
south of Redenção on road (PA-150) to  
Barreiras dos Campos. Alt. 210 m.  
Fazenda Inajaporã between Rio  
Inajázinho and Rio Inajá.  
Approx.  $8^{\circ}45'S$ ,  $50^{\circ}25'W$ .

(18 Feb 1980)

8830. MYRCIA AFF. ROSTRATA DC. Myrtac.

(11) Tree 10 m. tall x 10 cm diam  
with brown fissured exfoliating  
bark. Fruits shiny black,  
aromatic. In lowlying forest.  
(DET. L. LANDRUM, 1981)

8831. Physalis angulata L. Solenac.

(10) Herb 2 m. tall in open  
sandy clearing. Flowers pale  
yellow. Inflated calyx light  
green with dark purple veins.  
Berry dirty yellow, sweet, edible  
n.v. "gamopú" det. M. Nees 1982.

8832. Geophila repens (L) I.M. Johnston Rubiac.

(3) Prostrate herb in lowlying  
forest. Buds white.  
det.

FEB 18 1980

8833. Rutac.  
(12) Tree 4 m tall in margin  
wood of low lying forest. Flowers  
white, fragrant.

8834. Psychotria bahiensis DC. Rubiac.  
(12) low subshrub to 1 m. tall.  
Rachis dark red-purple. Fruits  
green turning pure white at  
maturity. Frequent in low  
lying forest' det. Kirkbride 1981.

8835. Aniba Laurac.  
(10) Tree 6 m. tall x 5 cm.  
diam. in low lying forest.  
Fruits green.

8836. Picramnia Simarubac.  
(13) Tree 10 m. tall x 4 cm.  
diam. Fruits red-orange,  
In understory of low lying  
forest.

8837. Protium unifoliolata Engl. Burserac.  
(11) Tree 7 m. tall x 10 cm.  
diam. in flooded forest. Fruits  
red.

8838. Passiflora Passiflorac.  
 (11) Vine in roadside thicket.  
 Fruits green, globose, pruinose.

8839. Cathedra acuminata (Benth.) Miers Olacac.  
 (6) Tree 15 m tall x 20 cm  
 diam. in flooded forest. Fruits  
 yellow. Det. H. Sleumer 1981.

8840. Connarus Connarac.  
 (8) Liana among shrubs in  
 open flooded forest. Buds white

8841. GUETTARDA POHLIANA M. ARG. Rubiac.  
 (11) High climbing liana among  
 separate tree tops in flooded low lying  
 forest. Fruits dark purple,  
 flesh sweet, white within.  
 DET. J. KIRKBRIDE 1981

8842 Esenbeckia pilocarpoides Kunth sp. pilocarpoides Rutac.  
 (11) Shrub 3 m. tall in clearing  
 margin in low lying forest.  
 Flowers greenish yellow,  
 Fruits green.  
 Det. J. Kallunki 1983

FEB 18 1980

8843. Poupartia Anacardiaceae  
(9) tree 10 m tall x 25 cm,  
diam. in low flooded forest.  
Fruits green.

C. LUCIDULA BENTH. DET. J. BRANDBYGE 1992

8844. Coccoloba sagotii Lindau Polygonaceae  
(10) Liana 2 m tall among  
shrubs in open flooded forest.  
Fruits green; det. R.A. Howard 1984.

8845. Epidendrum Orchid.  
(2) Epiphytic on tree trunk  
in open flooded forest.  
Fruits green.

8846. Polypodium persicariifolium Schrad. Fern  
(12) Creeping epiphyte on tree  
trunk in low lying forest.  
det. J. Mickel 1981.

8847. Cayaponia selysioides C. Jeff. Cucurbit.  
(14) Herbaceous vine forming  
thicket in open sandy clearing  
in low lying forest. Fruits  
green. det. Jeffrey 1981.

8848. Exolobus Asclepiadaceae  
(12) Herbaceous vine in sandy  
(DET. R. CALLEJAS 1981)



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clearing in lowlying forest.  
Flowers green. Latex white.

8849. Desmodium axillare (Sw.) DC. Legum.  
(8) Prostrate running vine in  
margin of lumber road in lowlying  
forest. Flowers pink.

8850. Davilla Dilleniaceae.  
(8) Liana in small tree in low  
flooded forest. Buds light green.  
Fruits dark green.

8851. Coccoloba grandiflora Camb. Flacourt.  
(11) Frequent shrub to 3 m. tall  
in roadside thickets. Branches  
spreading. Buds + flowers creamy  
white. Leaves dark shiny green  
above, whitish dull green beneath.  
det. Sleumer 1981.

8852. Diodia ocimifolia (Willd. ex R. & S.) Brem. Rub.  
(10) Herb in open weedy area  
along lumber road in lowlying  
forest. Corolla white.

DET. J. KIRKBRIDE 1981

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8853. Sloanea Elaeocarpaceae.

(12) Tree 12 m. tall x 15 cm. diam. Fruit dull green, turning dull orange at maturity. In flooded lowlying forest.

8854. Phthirusa retroflexa <sup>(R. & P.)</sup> KUIJT Loranthac.

(10) Hemiparasite on rubiaceous tree (# 8869). Fruits orange. In lowlying forest.

P. STELIS (L.) KUIJT det. J. Kuijt 1981.  
COMB. INED. 1994

8855. Rhynchospora comata Schultes Cyperac.

F (11) Forming large clumps in forest margin. det. T. Koyama 1981

8856. Monstera <sup>(SCHOTT) ENGL.</sup> SUBPINNATA Araceae

(7) Climbing epiphyte on tree trunk in lowlying forest. Spadix dull cream. 1988 DET. T. CROAT

8857. Epidendrum Orchidac.

(12) Growing on wet rocks along creek. Perianth green. Lip and column white.

8858. ORTHONE NE SCHOMBURGKII (MIERS) BARNEBY & KRUKOFF Menispermac.

(10) High climbing liana in edge of lowlying forest along road.

Fruits black at maturity.  
(DET. B.A. KRUKOFF 1981)

8859. Connarac.  
(2) Shrub 2.5 m. tall in flooded  
low lying forest along road.  
Buds cream.

8860. Maranta? Marantac.  
(15) Sprawling branched herb in  
open flooded forest. Sepals light  
green. Petals translucent white,  
petaloid staminodes

8861. Schizalea elegans (Vahl) Sw. Schizaeac.  
(2) Terrestrial fern on small  
hammock in flooded open forest,  
det. Michel & Atehortua 1981.

8862. Gesneriac.  
(2) Terrestrial herb on bank  
of lumber road. Corolla cream.

8863. Celastrac.  
(2) Scandent vine in clearing in  
low lying forest. Fruit opening  
in two halves, red. Seed black,  
aril white.

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8864. Acanthac.

(2) Sprawling herb in low wet sandy clearing along lumber road. Corolla red.

8865. Legum.

(1) Herb 1.5 m. tall on open roadside. Petals yellow, keel red orange at tip.

8866. Meliac.

(1) Shrub 7.0 cm tall in low lying forest. Flowers greenish.

8867 Banisteriopsis pubipetala (Adr. Juss.) Gates. Malpighiac.

(12) High climbing liana in open flooded forest. Petals yellow. Fruit pale green

foto?

→

turning brown.  
fruit of Hirtaea feijifolia C. DC.

8868 DOLIOCARPUS AMAZONICUS SLEUMER Dilleniace.

(14) High climbing liana. ssp. DUCKEANUS KUB.

Flowers white. growing in low lying forest. DET. G. AYMAR 1989

8869. AMAIOUA GUIANENSIS AUBL. Rubiac.

(14) Tree 12 m tall x 15 cm diam.

Fruit green to dark reddish purple. Corolla white.

DET. J. KIRKBRIDE 1981

8870. Cariniana domestica (Mart.) <sup>Miers</sup> Lecythidac.

(17) Tree 18 m tall x 40 cm

diam, growing at edge of low lying forest along road. In fl.

pendulous. Corolla orange.

Androecium Creamy white.

det. G. T. France 1981.

WOOD  
Fruit  
Sep. foto

8871. Malpighiac.

(9) Vine among shrubs on open roadside. Buds pink. Petals pale pink. Filaments white. Anthers cream.

8872. EMILIA FOSBERGII NICOLSON Composit.

(9) Roadside weed with white latex. Florets light red. (DET. H. ROBINSON 1981)

8873. DIDIA KUNTZIA SCHUM. EX CHAR. Rubiac.

(9) Coarse herb with decumbent, then erect stems in wet roadside ditch.

Corolla white. DET. J. KIRKBRIDE 1981

FEB 18 1980

8874. Ludwigia peruviana (L.) Ha... Onagrac.  
(10) Coarse herb 1.5 m. tall  
in open marshy area along  
road. Petals bright yellow.

8875. Pharus latifolius L. Gram.  
(2) Herb in low lying forest.

8876. Scleria secans (L.) Urb. Cyperac.  
(10) Abrasive climbing vine  
in roadside thicket. det. G. Davidse 1980

(Sw.) Munro ex Benth.  
8877. Ichnanthus pallens GRAM.  
(6) Herb creeping rooting  
at nodes along logging  
road in low lying forest.  
det. Davidse 1981.

8878. Gyneria aequinoctialis (L.) Miers Bignoniac  
(4) Liana in low lying forest  
along logging road. Fruit  
green. det. A. Gentry 1981.

8879. Miconia holosericea (L.) DC. Melastom.  
(11) Tree 6 m. tall x 10 cm.  
diam. in forest edge along  
lumber road in low lying  
forest. Fruit green.

Leaves dark green above,  
silvery brown beneath.

(DET. J. J. WURDACK, 1981)

8880. Mendoncia Acanthac.

(7) Vine in forest margin  
along roadside. Corolla white  
with red stripes in throat.  
Fruit greenish white.

8881. Voyria tenella Hook Gentianac.

(6) Saprophytic herb in humus  
in forest floor. Whole plant yellow.  
det. M. S. 1981

8882. Voyria Gentianac.

(1) Saprophytic in humus in low  
lying forest. Corolla blue.

(DET. G. DAVIDSE, 1980)

8883. Streptogyna americana C. E. H. Gram.

(10) Grass in low lying forest.

8884. Calyptracarya glomerulata V. Cyperac.

(9) Sedge in forest edge along  
road. det. G. Davidse 1980

8885. Nectandra cuspidata Nees Laurac.  
det. Werff 1985.

(11) Tree 14 m. tall x 20 cm.  
diam. Petals white. In forest

FEB 18 1980

margin.

8886. Malpigh.  
(11) Vine on roadside.  
Petals yellow. Wings of  
fruit dark red.

8887. Dioscorea Dioscoreac.  
(5) Twining vine in roadside  
thicket. Perianth reddish  
brown.

8888. RENGGERIA COMANS MEISNER Guttiferae  
(3) Tree 8 m. tall with white  
latex. Buds green (DET. B. MAGUIRE, 1981)  
Var. calvescens

8889. Ichnanthus calvescens (NEES) DOELL Gram.  
(14) growing in large clumps  
along roadside. Plants 1-2  
m. tall. det. G. Davidse 1984.  
! T. FILGUEIRAS 1990

8890. Cenchrus echinatus L. Gram.  
(11) weed in waste ground.  
(DET. G. DAVIDSE, 1980)

8891. Eragrostis tenella (L.) BEAUV. Gram.  
(11) Weed in waste ground.  
(DET. G. DAVIDSE, 1980)



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8892. Eragrostis pilosa (L.) Beauv. Gram.  
(11) Weed in waste ground along road.
8893. Leptochloa virgata (L.) Beauv. Gram.  
(11) Weed in waste ground along road.  
(DET. G. DAVIDSE, 1980)
8894. Eragrostis ciliaris (L.) R. Br. Gram.  
(8) Weed in waste ground along road.  
(DET. G. DAVIDSE, 1980)
8895. Digitaria nuda Schumacher. Gram.  
(4) Weed in waste ground along road  
det. Davidse 1980.
8896. Digitaria ciliaris (Retz.) Koel Gram.  
(7) Weed in waste ground along road.  
(DET. G. DAVIDSE, 1980)
8897. Mucuna urens (L.) DC. Legum.  
(17) Vine in thicket. Corolla  
greenish purple. Fruits  
with irritating hairs. Fruits  
yellowish brown.  
det. R. Barneby 1981.

FEB 19 1980

19 Feb 1980

8898. Canna indica L. Cannac.

(14) Herb 3 m. tall growing  
(9+5 lbs.) on bank along small stream  
near road in secondary thicket.  
Bracts green, pruinose. Calyx  
yellowish. Petals red. Stami-  
nodes yellowish towards base,  
red apically. Fruits green,  
brown at maturity. Seeds  
spherical, black.

8899. Ocimum gratissimum L. Labiat.

(3) Subshrub 1.5 m. tall in  
weedy roadside thicket. Flowers  
white. Foliage aromatic.  
let R. M. Harley 1984.

8900. Bixa orellana L. Bixaceae

(10) Spontaneous shrub 3 m.  
tall on bank along small  
stream in thicket. Petals  
pale pink. Filaments yellow  
at base, pink apically.  
Fruits yellow green at base,  
dull red toward apex with  
dull red "spines."

n.v. URUCU

FEB 19 1980

8901. Cassia Legum.  
(8) Subshrub to 1.2 m. tall in  
waste ground along road. Flowers  
deep yellow.

8902. Sloanea Elaeocarp.  
(8) Tree 15 m. tall x 25 cm.  
diam. in lowlying forest.  
Fruits light green.

8903. Erythroxylum subracemosum Turcz. Erythrox.  
(7) Shrub 2 m. tall in forest  
margin. Leaves dull dark  
green above, pale glaucous  
green beneath. Det. T. Plowman

8904. Ocotea glomerata (Nees) Mez Laurac.  
(13) Shrub 3 m to tree 10 m. tall.  
in forest margin. Flowers  
dirty yellow. det. H. v. d. Werff 1985.

8905. Psychotria RACEMOSA (AUBL.) RAEUSCH. RUB.  
(7) Shrub to 1 m. tall in low  
lying forest. Fruits orange.  
DET. KIRKBRIDE 1981

FEB 19 1980

Euphorb.

8906. Chaetocarpus echinocarpus (Boill.) Ducke  
(8) Tree 8 m. tall x 15 cm  
diam. in forest. Buds cream.  
det. M.J. Huft 1984.

8907. Adiantopsis radiata (L.) Fee Fern  
(2) Terrestrial fern in low  
lying forest. det. J. Michel + Hebertus  
1981.

8908. Plukenetia penninervis Mull. Arg. Euphorb.  
(8) Climbing vine in forest  
margin along logging road.  
Buds and fruits green.

8909. Pityrogramma calomniolos (L.) Link. Fern  
(3) Fern growing in logging  
road in forest. Leaves white  
underneath.

8910. Trichomanes pinnata Hedw. Fern  
(6) Terrestrial fern in forest.

8911. Malanea macrophylla Berl. Rubiac.  
(12) Liana 10 m. high in forest.  
Fruit light green turning  
purplish black at maturity.  
det. B. Boon 1981.

Burserac.

8912. Trattinickia burserifolia  
 (10) Tree 25 m. tall x 1.2 m.  
 diam. in lowlying forest.  
WOOD Fruits green.

8913. Passiflora NITIDA H.B.K. Passiflorac.  
 (12) Vine in open thicket along  
 Foto road. Fruits globose, bright  
 orange at maturity.  
 DET. AC. ARVI, 1999

8914. Adiantum OBLIQUUM Willd. Fern  
 (11) Fern in lowlying forest,  
 DET. MICKEL & ATEHORTUA 1981

8915. Cayaponia duckei Harms Cucurbit.  
 (11) Liana in margin of forest  
 in open thicket. Flowers  
 green. det. C. Jeffrey 1981.

8916. Amaranth.  
 (9) Sprawling herb in open  
 swamp along road. Flower  
 whitish.

8917. ACIOTIS CF. FRAGILIS (DC.) COGN. Melastom.  
 (12) Herb to 1m. growing in  
 open swamp along road.  
 Whole plant red. Petals pink.  
 (DET. J. J. WURDACK, 1981)

FEB 19 1980

8918. Cyperus sphacelatus ROTTB. Cyperac.  
(11) Sedge growing in logging  
F road det. G. Davidse 1980

8919. CTENITIS PROTENSA (AFZ.) CHING. Fern  
(11) Terrestrial fern in shade  
of forest. DET. MICKEL & ATEHORTUA 1981

8920. Adiantum GLAUDESCENS KL. Fern  
(11) Terrestrial fern in shade  
of forest. Leaves glaucous  
beneath. DET. MICKEL & ATEHORTUA 1981

8921. POSOQUERIA SP. VEL AFF. P. LONGIFOLIA ROBL. RUB.  
(11) Tree 6 m. tall x 10 cm  
diam. Fruit globose, green.  
In lowlying forest.  
DET. J. KIRKBRIDE 1981

8922. Gurania Cucurbit.  
(11) Herbaceous vine in  
secondary thicket. Flowers  
orange.

(G.F.W. Mey.) Woods.  
8923. Mendeilla symphytoarpa Apocyn.  
(5) Vine in flooded thicket.  
Corolla tube pale yellow  
with red blush. Lobes

FEB 19 1980

deep yellow. det. A.J.M. Lecuwentberg 1981

8924. MELOCHIA ULMIFOLIA BENTH. Stercul.  
(11) Shrub 1.5 m. tall in secondary thicket. Flowers white, fragrant. DET. L.J. BOER 1998 (NY)

8925. TRICHOMANES OVALE (FOURNIER) W. BOER. Hymenoph.  
(12) Creeping fern appressed to trunk of living tree in forest.  
DET. MICKEL & ATEHORTUA 1981

8926. Polygalac  
(1) High climbing liana in forest. Fruit globose, orange.

8927. Panicum pilosum Swartz Gram.  
(7) Stoloniiferous grass in logging road.  
(DET. G. DAVIDSE, 1980)

8928. Paspalum paniculatum L. Gram.  
(3) Clumped grass in logging road.  
(DET. G. DAVIDSE, 1980)

8929. Orchidac  
(1) Epiphytic orchid. Perianth greenish white. Lip greenish white with purple stripes.

FEB 19 1980

8930. Solanum americanum Mill.  
(5) Herb 75 cm. tall in logging road. Corolla white. Anthers yellow. Berry black.

8931. Bauhinia unguiculata L. Legum.  
(5) Subshrub to 1 m. tall. Petals and stamens white. Growing in logging road in forest. det. J. Grimes 1981.

8932. Axonopus capillaris (Lam.) <sup>CHASE</sup> ~~Tram.~~ (DET. G. DAVIDSE, 1980)  
(11) Grass in logging road in low lying forest.

8933. Epidendrum Orchidac.  
(5) Epiphytic orchid. Flowers past. In forest. det. E. A. Christenson 1983

8934. Caraipa Guttif.  
(7) Tree 18 m. tall x 30 cm. diam. in low lying forest. Fruit brown. Sap gummy, reddish.

8935. Olyra latifolia L. Gram.  
(4) Forest margin. Culms to 1.5 m. tall. (DET. G. DAVIDSE, 1980)



FEB 19 1980

8936. Mendoncia Acanth.  
F (5) Liana in forest. Corolla  
red.

8937. Luffa cylindrica (L.) M.J. Doem. Cucurbit.  
(12) Sprawling herbaceous vine  
in open thicket along road.  
Corolla yellow. Fruits  
to 50 cm. long, green.  
det - C. Jeffrey 1981.

8938. Matayba Sapindac.  
(9) Shrub 3 m. tall in secondary  
thicket. Fruits green. Aril  
orange. Seeds black.

8939. Annonac.  
(10) Tree 15 m. tall x 25 cm.  
diam. Perianth dull yellowish  
green to green. Stamens orange.  
Pistils green.

8940. Monstera adansonii Schott var. lanata (Schott) Madison Arac.  
(9) Climbing epiphyte on tree  
5 sets trunk in low lying forest.  
Spathe creamy white, turn-  
ing yellowish. Spadix yel-  
low in fruit det. T. Croat 83.

FEB 19 1980

8941. Voyria Crotiaria.

(1) Saprophyte in low lying forest. Stems pink. Flowers bright yellow.

8942. Typha DOMINGUENSIS PERS. Typhac.

(11) Plant 2.5 m. tall. DET. J. KALLUNKI 1998

9. sets. Open swamp along roadside. Staminate spike yellow; Pistillate spike pale greenish, rusty brown in fruit.

A. EXCELSUM BENTH. DET. W. MARCONDES-FERREIRA 1989

8943. Aspidosperma marcgravianum Woods. Apocyn.

(12) Tree 25 m. tall x 1 m. diam. with seven buttresses and sinewy-fluted trunk and major branches. Fruits light green at maturity, white within. Seeds brown. Growing in low lying forest. det. A. J. M. Leeuwenberg 1982.

8944. Palicourea marcgravii St. Hil. Rubiac.

(11) Shrub: 5 m. tall growing in pastures at Fazenda CAP.

Rachis and pedicels red. Fruits green. Foliage said to be very poisonous to cattle, killed 13 head on this fazenda.

FEB 19 1980

8945 Sematophyllum subsimplex (Hedw.) Mitt.

(11) Bryophyte; epiphytic on living tree trunk in low-lying forest  
det. W.C. Steere 1981.

8946. Ipomoea phyllomega (Vell.) House Convolvul.

(6) Frequent vine in roadside thickets. Calyx dull deep pink. Corolla bright red.  
det. D.F. Austin 1981.

20 FEB 1980

FEB 20 1980

BRAZIL: Estado Pará. Município Conceição do Araguaia. Redenção, area of cerrado on outskirts west of town about 4 km from center of Redenção along PA-150. Alt. ca. 200 m. Ca. 8°02' S, 50°04' W

8947. Trachypogon Gram.  
(3)

8948. Paspalum MULTICAULE Poir. Gram.

(11) Annual along roadside.

8949. Paspalum ASPIDOTES TRIN. Gram.

(11) (DET. G. DAVIDSE, 1980)

8950. Axonopus SICCUS (NEES) KUHLM.

(11) Grass with rigid leaves.  
(DET. G. DAVIDSE, 1980)

FEB 20 1980

8951. Axonopus CANESCENS (NEES) PILGER Gram.  
(11) (DET. G. DAVIDSE, 1980)

8952. Paspalum LANCIFLORUM TRIN. Gram.  
(11) (DET. G. DAVIDSE, 1980)  
Foliage relatively sparsely  
pubescent.

8953. Mesosetum loliiforme (Hochst.) Chase Gram.  
(11) Plants decumbent at  
base and sparsely stoloniferous.  
det. Davidse 1981.

8954. Axonopus CANESCENS (NEES) PILGER Gram.  
(11) (DET. G. DAVIDSE, 1980)  
Some plants strongly  
glaucous.

8955. Paspalum convexum Humb. + Bonpl. Gram.  
(11) Some culms strongly de-  
cumbent, rooting at base  
almost stoloniferous. on  
disturbed roadside.  
det. Davidse 1980.

8956. Paspalum LANCIFLORUM TRIN. Gram.  
(11) (DET. G. DAVIDSE, 1980)  
Foliage strongly pubescent.

FEB 20 1980

T. AURICOMA A.G. BURMAN DET. R. THOMPSON 1989

F 8957. Thrasya trinitensis Mez Gram.  
(11) culms decumbent at base.  
det. A.G. Burman 1982

8958. Aristida riparia Trin. Gram.  
(12) det. G. Davidse 1982.

8959. Paspalum GARDNERIANUM NEES Gram.  
(11) (DET. G. DAVIDSE, 1980)

8960. Paspalum plicatulum Michx. Gram.  
(8) det Davidse 1980.

8961. Thrasya petrosa (TRIN.) CHASE Gram.  
(11) (DET. G. DAVIDSE, 1980)

FEB 21 1980

21 Feb 1980: SAME LOCALITY

8962. Calolisianthus Gentianac.  
(7) Perennial herb with deep woody  
photo root. Corolla blue, det. Maas 1981.

8963. Hackelochloa granularis (L.) KUNTZE Gram.  
(4) In open area in cerrado. (DET. G. DAVIDSE, 1980)

8964. Aristida longifolia TRIN. Gram.  
(9) In shade of tree islands in  
Cerrado. (DET. G. DAVIDSE, 1980)

FEB 2<sup>nd</sup> 1980

8965. Mikania PSILOSTACHYA DC. Composit.  
(11) Climbing over shrubs in cerrado. Florets white. (DET. H. ROBINSON 1981)

8966. Borreria ✓ Rubiac.  
(2) Herb in open gravelly area in cerrado. Flowers white.

8967. Borreria aff. tenero DC. Rubiac.  
(6) Annual herb. Corolla pale lilac. Flowers blue. det. Kirkbride 1981.

8968. Euphorb.  
(3) Annual in open gravelly place in cerrado. Clear sap. Staminate flowers yellowish.

8969. Polygala Polygalac.  
(1) Flowers white with yellow nectar guide.

8970. Borreria Rubiac.  
(8) Annual herb in cerrado. Flowers pure white.

FEB 21 1980

8971. Borreria cf. eryngioides <sup>Schlecht.</sup> ~~Chem.~~ + <sup>Rubiace.</sup>  
(4) Annual herb in cerrado.  
Flowers white det. J. Kirkbride 1981.

8972. Dioscorea <sup>Dioscoreac.</sup>  
(8) Low twining vine. Flowers  
yellow.

8973. Scleria bracteata Cav. <sup>Cyperac.</sup>  
(6) In shade of tree island in cerrado.  
F Culms lax, semi-scandent.  
det. G. Davidse 1980

8974. Schizachyrum <sup>Gram.</sup>  
(1)

8975 Phaseolus <sup>Legum.</sup>  
(1) Banner greenish purple.  
Wings dark purple, lighter  
towards base. Keel creamy  
white, twisted. Twining vine.

Chamaecrista nictitans (L.)  
8976. Cassia <sup>ssp.</sup> brachypoda (Benth.) Irwin + Barneby <sup>Legum.</sup>  
(2) Erect subshrub. Flowers  
yellow. det. Barneby. 1981.

FEB 21 1980

8977. Scheelea aff. exigua Drude? Palmae  
(10) N.V. COCO-CURUÁ.  
3 sets Acaulescent palm in  
& separate Cerrado. Leaves to 1.5 m.  
fruits fall. Fruits brown. det. S.F. Glassman 1985

8978. Ferdinandusa elliptica Pohl Rubiace  
(3) Small tree 3 m. tall in  
tree island in cerrado  
Buds dark reddish. <sup>det. Kirkbride</sup>  
1981.

8979. Legum-Papilion  
(1) Erect herb. Petals  
red.

8980. Scleria lithosperma (Sw.) Nees Cyperac.  
(4) In shade of tree island  
in cerrado. det. T. Koyama 1981

8981. Cushea Lythrac.  
(14) Slender herb in cerrado.  
Petals magenta.

8982. Solanum subinerme Jacq. Solanac.  
(8) Treelet 1.5 m; tall in  
cerrado Corolla violet, stamens  
deep yellow. det. M. Nee 1982.



FEB 2, 1 1980

Solanac.

8983. Brugmansia suaveolens  
 (7) (H. + B. ex Willd.) Bercht. + Presl  
 Cult. shrub in garden in  
 Redenção. Flowers creamy  
 white.

8984. Panicum cervicatum Chase Gram.  
 (5) In shrub island in cerrado.  
 Culms lax and leaning.  
 det. G. Davidse 1982.

8985. Paspalum gemniflorum Steud. Gram.  
 (11) det. Davidse 1980.

8986. Ichnanthus <sup>EX TRIN. SWALEN</sup> PROCURRENS (NEES Gram.  
 (6) Culms lax and straggling. <sup>(DET. G. DAVIDSE, 1980)</sup>

8987. Paspalum plicatulum Michx. Gram.  
 (3) det. Davidse 1980.

8988. Axonopus DERBEVANUS BLACK Gram.  
 (9) <sup>(DET. G. DAVIDSE, 1980)</sup> Leaves strongly distichous.

8989. Rhynchospora barbata KUNTZ Cyperac.  
 (5) det. G. Davidse 1980

8990. Bromelia sp. Bromeliac.  
 (10) In shade of tree island in

FEB 21 1980

Cerrado. Leaves to 1 m. long.  
Fruits globose, yellow.

8992. Bredemeyera floribunda Willd. Polygal.

(4) n.v. "pau de ovo"  
Scandent shrub in cerrado.  
Sterile. det. Wurdack 1981.

Juice of roots when beaten with  
water produces copious edible foam.

8993. Dioclea bicolor Benth. Legum.

(3) Calyx red-violet. Petals  
light blue violet, white  
at base. Banner with green-  
ish yellow nectar guide. Keel  
white with blue violet tip.  
det. R. H. Maxwell 1982.

8994. Desmodium barbatum (L.) Kuntze Legum.

(12) Erect subshrub to 70 cm  
tall. Petals light blue-violet.  
growing in moist area in  
Cerrado. det. R. Berne by 1981.

8995. Croton chaetocalyx Muell. Arg. Euphorb.

(11) Shrub 1 m. tall in dis-  
turbed cerrado. BRACTS red-  
dish green. Perianth greenish

FEB 21 1980

white. det. M. J. Huft 1984.

8996. Mollia Tiliac.  
(10) Tree 6 m. tall x 10 cm.  
diam. in cerrado. Fruits  
brown.

8997. Caryocar brasiliense Comb. Caryocarac.  
(6) Tree 3 m. tall in cerrado.  
Sterile. det. G. T. Prance 1981.

8998. Cissus erosa Rich. Vitac.  
(5) Vine in cerrado along  
roadside in thicket. Calyx  
red. Corolla orange. Mature  
fruit black. Nodes dark  
red.

8999. Ipomoea Convolvul.  
(4) Vine in tree island. Corolla  
tube white, lobes red violet.

9000. Legum.  
(12) Erect subshrub to 1.5 m.  
tall in cerrado. Petals red.  
Sepals green with reddish stripes.

9001. Helicteres Sterculiac.  
(11) Shrub 3 m. tall in cerrado.

FEB 21 1980

Fruits brown.

9002. Virola Myristicac.  
(8) Tree let 4 m. tall in cerrado.  
Flowers and inflorescence  
rusty brown.

9003. Miconia MACROTHYRSA BENTH. Melastom.  
(6) Shrub 1.5 m. tall. Fruit  
green to red to purplish black.  
Leaves dark shiny green above,  
dull tawny beneath.  
(DET. J.J. WURDACK, 1981)

9004. Mesechites trifida (Jacq.) M.-Arg. Apocynac.  
(3) Climbing vine with white  
lax. Corolla tube white at base,  
green apically, lobes yellow,  
green at throat. det. Leeuwenberg  
1982.

9005. Solanum palinacanthum Dunal Solanac.  
(10) Spiny shrub to 1.5 m. tall  
in roadside. Young fruits  
light green with dark green  
"veins"; mature fruit yellow,  
globose.  
det. M. Nee 1982.

FEB 21 1980

9006. Strychnos parvifolia A. DC. Loganiac.  
(13) Armed scandent shrub  
in thicket along brook in cerrado.  
Fruit green. det. Kruckhoff 1981.

9007. Mabea paniculata Benth. Euphorb.  
(8) Shrub 1.5 m. tall in open  
cerrado. Staminate flowers  
light yellow, sometimes with  
reddish tinge. Latex white.  
det. M. J. Huft 1984.

foto

9008. Cissus erosa Rich. Vitac.  
(7) Vine in roadside thicket.  
Calyx pink, petals orange.  
Fruit green to black at maturity.  
Nodes and peduncles often dark  
red.

9009. Sapindac.  
(9) Treelet 3 m. tall in cerrado.  
Fruits dark wine red.

9010 NODIA TERES WALT. Rubiac.  
(12) Coarse roadside weed, densely  
branched to 50 cm. diameter.  
Flowers violet.  
DET. J. KIRKBRIDE 1981

FEB 21 1960

9011. Asclepiad.  
(1) Twining vine with white latex in tree island. Fruit brown.

9012. Vismia CAYENNENSIS (JACQ.) <sup>PERS</sup> Guttif.  
(8) Shrub 2 m. tall in cerrado.  
foto Petals yellow-green with white hairs. Sepals green, yellow at base. Fruit green.  
DET. M. NEE 1996

9013. Dimorphandra mollis Benth. Legumin.  
(3) Tree 6 m. tall x 15 cm. diam. with thick corky bark.  
DET. R. S. Cowan 1981.

9014. Bignoni.  
(1) Climbing vine. Corolla lobes pink, tube white.

9015. Croton GRACILIPES BAILLON  
(7) Subshrub to 1 m. tall in moist area in cerrado.  
Perianth reddish green.  
Stamens creamy white.  
DET. J. KALLUNKI, 1997

FEB 21 1980

9016. Erythroxylum leptoneurum O.E. Schulz  
(2) Shrub 1 m tall in tree  
island. Buds yellowish. Fruit  
green. Det. T. Plowman

9017. PTEROLEPIS TRICHOTOMA (ROTTB.) <sup>COGN.</sup> Melastom.  
(7) Delicate annual herb in  
marshy area in cerrado. Filaments red violet with white  
process, anthers lilac; petals  
pink. (DET. J.J. WORDACK, 1981)

9018. Polygala MONTICOLA H.B.K. <sup>VAR. BRIZOIDES (ST. HIL. & MOQ.) STEYERHARK</sup> Polygalac.  
(7) Slender herb in marshy area  
in cerrado. Wings and keel  
red-violet. (DET. J.J. WORDACK, 1981)

9019. Chamaecrista trichopoda (Benth.) <sup>Cassia</sup> Legum  
(11) <sup>Britt. + Killip.</sup> Sprawling herb with suberect  
stems. Fls. deep yellow.  
det. R. Barneby 1981.

9020. <sup>Malpigh.</sup>  
(7) Twining vine among shrubs  
in cerrado. Petals pink, claw  
white; anthers yellow, fila-  
ments white.

FEB 21 1980

9021. Mimosa floribunda Willd. Legum.  
(10) Prickly shrub in roadside  
thicket. Filaments pink.  
det. R. Barneby 1981. Erythroxylum

9022. Erythroxylum suberosum St. Hil.  
(9) Dwarf treelet to 2 m.  
tall. Mature fruit red.  
Det. T. Plowman

9023. Zoysia tenuifolia Willd. ex Trin. Gram.  
(7) Stoloniiferous rhizomatous  
F lawn grass forming bushy  
growth under shrubs  
Cultivated in houseyard  
in Redenção.  
det. Davidse 1981.



FEB 23 1980

Collectors: T. Plowman & Davidse  
N.A. Rosa, C.S. Rosario and M.R. dos Santos.

BRAZIL Estado Pará, Município  
Conceição do Araguaia. Alaci-  
lândia, 42 km West of  
Conceição do Araguaia at Rio  
Arraias do Araguaia along highway PA 287,  
Alt. 300 m. Co. 8° 13' S, 49° 36' W  
23 Feb 1980.

9024. Sabicea  
Hanettia Rubiac.

(12) Thorny vine roadside thicket  
along river. Fruits whitish beneath,  
calyx green turning red in fruit,  
corolla white; fruit whitish purple

9025 Croton Euphor.

(11) Tree 5 m tall; open roadside  
thicket along river. Leaves  
whitish green beneath; buds green  
perianth yellowish green.

9026 Diplopteris pauciflora (G.F.W. Meyer) Niet Malpigh.

(7) Roadside thicket along river.  
Twining vine; petals yellow det. Gates 1981.

9027 Piper tuberculatum Jacq. Piper.

(12) Roadside thicket along river.  
F Treelet 1 m tall, spikes erect, creamy  
yellow, green in fruit det. R. Callejas 1981

FEB 23 1980

9028 Turnera breviflora Mours TURN.  
(8) Roadside thicket along river,  
Shrub 1½ m tall; petals deep  
yellow. det. M. M. Arbo 1981.

9029 Aristolochia stomachoides HbKne ARIST.  
(8) Roadside thicket along river.  
common name: angelico; the root is used  
for aseso.

Twining vine; flowers chestnut brown  
yellowish toward base, the hood dark  
brown on upper part, creamy white  
within and in throat with dark brown  
dots. det. K. Barringer 1985.

9030 Cuphea LYTH  
(8) Roadside thicket along river.  
Herb to 1 m tall; upper stem and  
pedicels carmine red; corolla red  
in lower ¾, light green in upper  
¼ with dark green stripes.

9031 Cayaponia cruegeri (Naud.) Cogn. CUCUR.  
(7) Roadside thicket along river.  
Climbing vine; fruits light green;  
petals green with whitish margin.  
det. Jeffrey 1981.

- 9032 Byttneria STERCU.  
 (10) Roadside thicket along river  
 Prickly, scandent shrub; sepals and  
 petal dark purple; staminodes reddish  
 purple.
- 9033 Alternanthera AMARAV.  
 (6) Low wet thicket  
 Sprawling herb; perianth white,  
 anthers yellow.
- 9034 Acosmium sp. LEG-CAES.  
 (11) Roadside thicket along river.  
 Treelet 5 m tall; flowers white.  
 det. R. S. Cowen 1981.
- 9035 Uncaria guianensis (Aubl.) Gmel. RUBIAC.  
 (19) Roadside thicket along river.  
 Sprawling, scandent vine up to 5 m  
 tall; corolla mustard yellow, turning  
 dirty orange with age. det. B. Boom 1981.
- 9036 Heteropterys macradena (DC.) Anders. MALPIGH.  
 (6) Roadside thicket along river.  
 Climbing woody vine; inflorescence and  
 calyx yellowish brown; petals light  
 yellow; filaments pale yellow; anthers  
 orange. det. W. R. Anderson 1981.

FEB 23 1980

9037 Paragonia pyramidata (L. Rich.) Bur. BIGNONIA  
(11) Roadside thicket along river.

Climbing liana to 4 m high; calyx reddish purple; corolla tube pinkish white, the lobes pale pink, white at the throat. fruit green.  
det. A. Gentry 1981.

9038 MACHAONIA ACUMINATA H. & B. RUBIAC.

(11) Roadside thicket along river.

Densely branched treelet, 3 m tall; flowers pure white. DET. J. KIRKBRIDE 1981

9039 Schwenkia grandiflora Benth. SOLAN

(7) Roadside thicket along river.

Twining vine, corolla greenish white.  
det. M. Nee 1988.

9040 Gouania discolor Benth. RHAM.

(11) Roadside thicket along river.

Climbing vine to 3 m high; fruits brown. det. M.C. Johnston

9041 Columbrina retusa var. latifolia (Reiss.) M.C. Johnston  
RHAM.

(12) Roadside thicket along river.

Treelet to 4 m tall; petals creamy white; fruits green.

9042 Ipomoea alba L. CONVOLV.

(6) Roadside thicket along river. Climbing,

FEB 23 1980

herbaceous vine; flowers pure white.

9043 Byrsonima MALPIG.

(11) Roadside thicket along river.  
Shrub 3 m tall; corolla bright yellow; disc deep yellow; fruits deep red.

9044 Poullinia SAPIND.

(2) Roadside thicket along river.  
Climbing vine; fruits green.

9045 RUTAC.

(10) Edge of secondary forest.  
Shrub, 2 m tall; corolla pure white, fragrant.

9046 BIGN.

(1) Open roadside thicket.  
Scrambling vine; corolla dull pink.

9047 Lasiacis sorghoidea (Desv.) Hitchc. & Chase  
(9) Margin of secondary forest. VAR. SORGHOIDEA GRAY.

Culms 3 m tall; fruits shiny black, Culms mustard yellow.

(DET. G. DAVIDSE, 1980)

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- 9048 *Trichilia pallida* Sw. MELIAC.  
(2) Secondary forest understory  
Treelet 2½ m tall; calyx yellowish  
green in bud. det. Pennington 1982.
- 9049 *Psychotria bahiensis* DC. RUBIAC.  
(9) Secondary forest. det. Kirkbride 1982.  
Understory shrub to 1 m tall; pedicel  
red violet; young fruit pale blue,  
white at maturity.
- 9050 *Cephaelis* RUBIAC.  
(10) Secondary forest.  
Shrub to 1½ m tall, inflorescence  
nodding; peduncle yellowish green, erect;  
bracts deep red violet; fruits  
white.
- 9051 *Siparuna* SP. NOV. (J. JANCOUR) MONIM.  
(8) Secondary forest.  
Treelet 2½ m tall; fruits pale  
yellow green with red blush.
- 9052 LEG-PAP  
(2) Roadside weed 1 m tall; flowers  
deep yellow.

9053 Commelina benghalensis L. COMMEL.  
 (10) Weedy field. Sprawling herb; corolla  
 us sky blue. det. R. Faden 1981.

9054 Waltheria americana L. STERC.  
 (10) Roadside weed, 1 m tall; flowers  
 pale yellow. det. P. Matekaitis 1982

9055 Sida cordifolia L. MALV.  
 (8) Roadside weed, to 1 m tall; corolla  
 pale yellow orange with reddish band  
 at the base; anthers and stigmas yellow.  
 det. P. Fryxell 1982.

9056 Sida sp. MALV.  
 (8) Roadside weed to 2 m tall;  
 corolla pale yellow orange throughout;  
 anthers yellow orange; styles bright  
 red. det. P. Fryxell 1982.

9057 Heliconia hirsuta L.f. MUSAC.  
 (12) Low marshy area along road.  
 Plants 3 m tall; bracts greenish  
 orange; pedicels greenish orange;  
 ovary yellow in lower half, dark  
 green in upper half; perianth  
 orange in lower  $\frac{3}{4}$ , the upper  $\frac{1}{4}$   
 dark green; leaves dull dark  
 green above, dull green beneath, pruinose

(Photos)

det. L.  
 Anderson  
 1982.

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9058 Acalypha arvensis Poepp. + Endl. EUPH.  
(11) Weedy pasture det. M.J. Huft 1984  
Herb; male inflorescence creamy yellow,  
pistillate inflorescence light green,  
the styles green.

9059 Heliconia psittacorum L. f. MUSK.  
(15) Low marshy area along road.  
Plants to 2 m tall; rachis  
orange; bracts red throughout;  
(Photos) pedicel and ovary completely  
orange; perianth orange in lower  
2/3, dark green in the upper 1/3.

9060 Solanum melongena L. SOLANUM  
(10) Cultivated shrub to 1 m  
tall; corolla white; anthers  
deep yellow; immature fruit white,  
mature fruit yellow. Common  
N. v. "gilo."



FEB 24 1980

Collectors: T. Plowman, G. Davidse, N. A. Rosa, C. S. Rosario and M. R. dos Santos.

BRAZIL: ESTADO PARA: Município Conceição do Araguaia. Range of north-south lying hills, 10 km west of Conceição do Araguaia.  $8^{\circ}16'S$ ,  $49^{\circ}22'W$   
24 Feb 1980. ca. 350m. elev.

9061. Virola Myristinac.  
(11) Tree 11 m tall x 15 cm diam with red sap, frequent in hillside forest. Buds rusty brown.

9062. Sapotac  
(11) Tree 15 m tall x 30 cm diameter in hillside forest. WOOD Latex white.

9063. Apuleia sp. nov. Legum.  
(11) Tree 12 m tall x 30 cm diam. Fruits brown. det. Cowen 19.

9064. Sapot.  
(14) Tree 10 m tall x 20 cm diam. Latex white. Fruit green. Seeds shiny brown. WOOD Sep. fruit

9065. Gonzalagunia Rubiac.  
(10) Shrub 2m. tall in forest. Corolla white.

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9066. Palicourea aff. longiflora (Aubl.) L.C. Rich. Rubiac.  
(8) - shrub 1.5 m. tall in forest understory. Rachis and pedicels carmine pink. Fruit light green. det. Kirkbride 1981

9067. CHOMELIA cf. PARVIFLORA (M. ARG.) M. ARG. RUB.  
(19) shrub 3 m. tall in forest understory. Fruits green. DET. J. KIRKBRIDE 1981

9068. Erythroxylum subracemosum Turcz Erythrox  
(7) F Treelet 3 m. tall, in forest  
WOOD U understory. Sterile.  
VOUCHER Det. T. Plowman  
WOOD: LW

9069. RUDGEA Rubiac.  
(11) Tree 7 m. tall x 10 cm. diam. in forest. Fruits deep yellow DET. J. KIRKBRIDE 1981

9070. Abuta grandifolia (MART.) SANDW. Menisp.  
(11) Shrub 2 m. tall in forest understory. Young fruits green. (DET. B.A. KRUKOFF, 1981)

# 59127-9129

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9071. Anemia OBLONGIFOLIA (Cav.) Sw. Schizaeac.  
(12) Fern in crevice of boulder  
in forest. DET. MICKEL & ATENHORTA 1981

9072. Plumeria

(1) Treelet 3 m. tall in forest  
Latex abundant, white.  
Flowers white.

9073. Maprounea guyanensis <sup>Aubl.</sup> Euphorb.  
(12) Tree 13 m tall x 35 cm  
diam in forest. Fruits  
green. det. M. J. Huft 1984.

9074.

(1) Gesneria  
Herb in crevice of boulder  
in forest. Bracts light green.  
Corolla whitish with violet  
blush.

9075. Diospyros sp. Ebenac.

(10) Tree 13 m tall x 35 cm.  
diam. in hillside forest.  
Fruits globose, green.

9076. Blechnum fraxineum Willd. Fern

(5) In crevice on large boulder.

FEB 24 1980

BRAZIL: ESTADO PARÁ:  
Município de Conceição  
do Araguaia. Conceição  
do Araguaia. Outskirts of  
town along road 2 km.  
west of town. 300 m. alt.  
24 Feb 1980, Approx. 8°15'S, 49°18'W

9077. Sipanea HISPIDA BENTH. EX WERNH. Rubiac.  
(12) Subshrub to 50 cm tall  
in open marsh. Corolla  
tube red, lobes pink.  
DET. J. KIRKBRIDE 1981

9078. Psychotria carthaginensis Jacq. Rubiac.  
(7) Degraded gallery forest  
with Mauritia palms.  
Tree 4 m. tall x 5 cm.  
diam. Corolla completely  
white. det. Kirkbride 1981.

9079. Paliourea Rubiac.  
(1) Shrub 2 m. tall. Infl.  
rachis and pedicels red.  
Fruit green to black  
at maturity.

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9080. Psychotria hoffmannseggiana (Willd. ex R. & S.) Marg. Rubiac.  
(7) Degraded gallery forest. Understory shrub to 1.5 m. tall. Pedicel and bracts purple. Fruit green to black at maturity.

9081. Phoradendron Loranth.  
(13) Pendulous hemiparasite on Bauhinia sp. in marshy thicket. Infl. and flowers mustard yellow.

9082. DIODIA MACROPHYLLA SCHUM. EX CHAR. Rubiac.  
(7) In roadside marsh with sedges dominant. Long-decumbent at base. Corolla white. DET. J. KIRKBRIDE 1981

9083. DIODIA SPICATA MIQUEL EX CHAR. Rubiac.  
(7) In roadside marsh with sedges dominant. Erect herb long decumbent at base. Flowers white. DET. J. KIRKBRIDE 1981

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9084. Bauhinia unguolata L. Legum.  
(5) Shrub 1.5 m. tall on  
roadside. Petals white.  
det. J. Grimes 1986

9085. Ischnosiphon Marant.  
(4) Herb 1 m tall in edge  
of gallery forest. Bracts  
green; flowers white,  
streaked with carmine red.

9086. Scleria microcarpa Nees Cyperac.  
F (10) Dominant species in open  
marsh. det. T. Koyama 1981

9087. Rhynchospora Cyperac.  
(5) Edge of gallery forest  
among sedges in marshy  
area

9088. Polypodium Polypodiac.  
(9) Climbing fern in gallery  
forest

9089. Panicum pilosum Swartz Gram.  
10+ In gallery forest. Inflores-  
cences from dark reddish  
brown to green.  
(det. G. Davidse, 1980)

9090. LONGIFOLIUS HOLD.  
SYNGONANTHUS DENSIFLORUS VAR. Eriocaul.  
 (8) Rosulate herb in marsh  
 with shrubs. Inflorescences  
 light brown, some proliferous.  
 (DET. H. HOLDENKE, 1981)
9091. Rhychospora cephalotis Vahl Cyperac  
 (6) In sedge marsh at edge  
 F of degraded gallery forest,  
 growing in large clumps.  
 det. J. Davidse 1980
9092. Apocynac  
 (1) Twining vine to 2 m.  
 tall in margin of gallery  
 forest. Leaves shiny green  
 above; dull green beneath  
 with red nerves. Corolla  
 yellow, upper half red with-  
 out; basal part of tube  
 greenish yellow; tube yellow  
 within with red orange stripes.
9093. Faramea multiflora A.C. Rich. ex DC. Rubiac.  
 (2) Understory shrub 1 m. tall  
 in gallery forest. Corolla  
 pale blue without, sky blue  
 within. det. Kirkbride 1981.

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9094. Alibertia edulis (L.C. Rich.) A.C. Rich. <sup>ex DC.</sup> Rubiac.  
(5) Tree let 3 m. tall. Fruit green, in margin of degraded gallery det. Kirkbride 1981.

9095. Orchidac.  
(2) Terrestrial orchid in open marsh. Perianth pale yellow.

9096. Cyperus haspan L. Cyperac.  
(9) Sedge in open marsh.  
F Stems strongly triangular, dark red toward base.  
det. G. Davidse 1980

9097. Diplacrum longifolium <sup>c.B. Clarke ex Durand & Schinz.</sup> Cyperac.  
(11) Dominant sedge in roadside marsh. Rhizomatous.  
F

9098. PASPALUM Gram.  
(12) growing in wet sand leading into gallery forest. Large bunch grass to 1.75 m tall.

9099. Mikania psilostachya DC. det. Robinson 1981.  
(3) Twining vine at edge of gallery forest. Florets white.



9100. Scleria cyperina Kunth. Cyperaceae.  
 (7) Sedge in degraded gallery  
 F forest. Scandent climbing  
 vine to 4 m. tall det. T. Koyama 1981

9101. Isachne POLYGONOIDES (LAM.)<sup>DOELL</sup> Gram.  
 (11) Roadside marsh. Culms  
 sprawling rooting at lower  
 nodes. <sup>DET. G. DAVIDSE, 1988</sup> det. Davidse 1986.

9102. Calyptrocarya glomerulata (Brongn.) Urban  
~~poeppigiana~~ Kunth. Cyperaceae.  
 (11) In shade of degraded gallery  
 F forest. Some spikelets pro-  
 liferous. det. T. Koyama 1981

9103. Panicum cyanescens Nees - Gram.  
 (3) In edge of degraded  
 gallery forest. Culms weak  
 sprawling in bushes. det. Davidse 1981.

9104. Paspalum MARITIMUM TRIN. Gram.  
 (8) Dominant grass in roadside  
 (DET. G. DAVIDSE, 1980)  
 embankment. Strongly rhizoma-  
 tous and also forms long stolons.

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9105. Eleocharis filiculmis <sup>Kunth</sup> Cyperac  
(11) sedge marsh in edge of  
F gallery forest, det. G. Davidse 1987.  
Gram.

9106. Andropogon leucostachys H.B.K.  
(6) growing in wet sand  
leading to gallery forest.

9107. Panicum laxum Swartz Gram.  
(11) In marshy pasture  
(DET. G. DAVIDSE, 1980)  
leading to gallery forest.

9108. Panicum cyanescens Nees Gram.  
(11) Marsh in edge of gallery  
forest. Culms erect to strongly de-  
cumbent at base, det. Davidse 1981.

9109. Fuirena umbellata Rottb. Cyperac  
(7) In roadside sedge marsh.  
F Rhizomatous sedge.

9110. Xyris Xyridac.  
(1) In marsh leading to gallery  
forest. Flowers yellow.

9111. Kyllingia bruiifolia Retz. Cyperac  
F (7) In wet sand leading to  
gallery forest. Rhizomatous herb,  
det. T. Koyama 1981

9112. Xyris fallax Malme Xyridac  
 (5) In marsh near leading to gallery forest. Flowers yellow. det. R. Krol 1982.  
 → Torulinium odoratum (L.) Hooker det. D. Adams 1983  
Mariscus sp. aff. hermaphroditus Urb.
9113. Cyperus det. T. Koyama 1981 Cyperac.  
 (7) Sedge marsh at edge of degraded gallery forest.  
 F NY
9114. Caperonia castaneifolia (L.) St. Hil. Euphorb.  
 (11) In marsh leading to gallery forest. Scandent arching subshrub 1.5 m. tall. Flowers white. det. M.-J. Huft 1984.
9115. Clidemia D. DON VAR. DEPENDENS (DON) MACBRIDE  
CAPITELLATA (BONPL.) Melastom.  
 (12) Shrub 1.5 m. tall in marsh leading to gallery forest. Petals white. (DET. J. J. WURDACK, 1981)
9116. Sauvagesia Ochnoc.  
 (6) Herb in marsh near margin of gallery forest. Whole plant red-purple. Petals white.

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9117. Ourotea Ochnac.  
(4) Erect shrub to 2 m tall with long horizontal branches. Petals yellow. Young fruit green.

9118. Coccocypselum GUIANENSIS (AUBL.)  
(7) Creeping herb with long decumbent reddish stems under shrubs in marsh leading into gallery forest. Corolla pale violet. Fruits sky blue. RUB.  
SCHUM. DET. J. KIRKBRIDE 1981

9119. Clidemia HIRTA (L.) D. DON Melast.  
(9) Subshrub 50 cm tall in open marsh along roadside. Flowers white. Mature fruit dark blue. (DET. J. J. WURDACK, 1981)

9120. Cuphea  
(12) Straggly herb in marsh leading to gallery forest, to 1 m tall, Calyx green. Petals pink with red medial stripe.

FEB 24 1980

- Mimosa orthocarpa Benth. det. Barneby 1986
9121. Mimosa somnians H. & B. ex Willd. Legum.  
(8) Herb on grassy roadbank. Filaments pale pink. det. Barneby 1981.
9122. Tonnina fluviatilis Aubl. - Eriocaul.  
(10) Herb with decumbent stems in open marsh. (DET. H. HOLDENKE, 1981)
9123. Blechnum serrulatum Rich. Fern  
(12) Fern in open marsh along roadside. det. Michet.
9124. Chelonanthus alatus Complex Gentianac.  
(6) Herb in marsh leading into gallery forest. Corolla pale yellow. Fruit green. det. Maas. 1981
9125. Miconia ALTERNANS NAVD. Melastom.  
(11) Treelet 3 m. tall in marsh at margin of gallery forest. Fruits green to dark red to purple black at maturity. (DET. J. J. WORDACK, 1981)
9126. Desmodium canum (Gmel.) <sup>Sch. & Thell.</sup> Legum.  
(4) Herb in weedy grassy roadside. Corolla pure white. det. Barneby

FEB 24 1980

Same Locality for 9061.  
+ Same Date.

9127.

Clavariac.

(2) Erect fungus on forest floor, deep pink.

9128.

(2)

On forest floor. Cap + stipe bright red, gills pale red.

9129.

Clavariac.

(7)

Erect fungus on forest floor, pale pink throughout.

FEB 25 1980

Collectors: T. Plowman, G. Davidse,  
N.A. Rosa, C. S. Rosário and M.R. dos Santos.

BRAZIL: ESTADO GOIÁS.

Município de Couto Magalhães.

7 km. <sup>south</sup> east of Rio Araguaia.

along GO-70. Alt 320 m.

25 Feb 1980. Approx. 8° 18' S, 49° 13' W

9130. Trachypogon SPICATUS (L.A.) KUNTZE Gram.

(9) One of the dominant grasses  
in cerrado savanna.

DET. T. FILGUEIRAS, 1990

BRAZIL: ESTADO GOIÁS.

Município de Couto Magalhães

16 km west of Piquizeiro.

along ~~the~~ GO-70. Alt. 400 m.

Approx. 8° 20' S, 49° 10' W.

9131. Thrasya PETROSA (TRIN.) CHASE Gram.

(DET. G. DAVIDSE, 1980)

(4) In cerrado savanna.

9132. Paspalum LANCIFLORUM TRIN. Gram.

(DET. G. DAVIDSE, 1980)

(7) In cerrado savanna.

9133. Paspalum ASPIDOTES TRIN. Gram.

(DET. G. DAVIDSE, 1980)

(7) In cerrado savanna.

9134. Panicum olyroides H.B.K.

(DET. G. DAVIDSE, 1980)

(3) In cerrado savanna.

FEB 25 1980

9135. Trachypogon Gram.  
(9) In cerrado savanna.

9136. Ichnanthus <sup>(R.+S.) Diell.</sup> hoffmannseggii Gram.  
(11) In shade of tree island  
in cerrado. det. Davidse 1981.

9137. Erythroxylum <sup>St. Hil.</sup> suberosum Erythrox.  
(6) Dwarf shrub 1 m. tall,  
one of dominant shrubs in  
cerrado savanna. Buds  
yellow. Fruits green.  
Det. T. Plowman

FEB 25 1980

BRAZIL: PROV. GOIÁS. MUNI-  
CÍPIO DE PIQUIZEIRO. 4 km.  
west of Piquizeiro along  
GO-70. ALT 400 m.  
25 Feb 1980. Approx. 8°34'S, 48°58'W

9138. Maranta pohlizna Koern. Marantac.  
(10) Rhizomatous herb with single  
erect stem to 75 cm. tall,  
with many spreading branches.  
Glyx + corolla white. Stami-  
nodes tinged violet. Stamen  
white. det. L. Andersson 1985.



FEB 26 1980

Collectors: T. Plowman, G. Davidse, N. A. Rosa, C. S. Rosario and M. R. dos Santos

BRAZIL: PROV. GOIÁS. MUNICIPIO DE PEQUIZEIRO. 16 km. southeast of Pequizeiro along GO-70. Alt. 450 m. 26 Feb 1980. Approx. 8°38'S, 48°52'W

9139. Trachypogon SPICATUS (L.P.) KUNTZE Gr. 6m. (8) Dominant grass in cerrado savanna. DET. T. FILGUEIRAS, 1988

Approx. 8°40'S, 48°50'W south-east along GO-70. Alt. ca. 20 km east of Piquizeiro, 580 m

9140. Trachypogon SPICATUS (L.P.) KUNTZE Gr. 6m. (11) Dominant grass in hilly cerrado savanna. DET. T. FILGUEIRAS, 1988

FEB 26 1980

FEB 26 1980

BRAZIL - Prov Goiás Municipio de Guaraí. 10 km. north of Guaraí along Belém-Brasília highway. (BR-153). Alt. 400 m. 26 Feb 1980. Approx. 8°44'S, 48°31'W. Cerrado with widely spaced trees and shrubs on sandy soil.

9141. Sida cerradoensis Krapovickas Malvac. (9) Herb ca. 1 m tall. Flowers orange. det. P. Fryxell 1982.

FEB 26 1980

230

9142. Cuphea Lythrac  
(6) Herb. Corolla reddish  
purple

9143. Cuphea Lythrac  
(1) Herb in cerrado. Corolla  
red-violet, velvety violet at  
base of upper petals.

9144. Banisteriopsis Stellaris (Gr.) Gates Malpigh.  
(11) Scandent shrub in  
Cerrado. Petals and filaments  
white. Anthers yellow. Wings  
of immature fruit green to  
dark red. Nectararies reddish.  
det. Gates 1982.

9145. Staelia virgata Rubiac  
(2) Herb. Flowers completely  
white det. Kirkbride

(Chamaecrista viscosa (HBK.) var. major)  
9146. Cassia (Benth.) Irwin + Barneby Legum.  
(11) Subshrub 1.5 m tall.  
Sepals yellow green, upper  
reddish. Petals and stamens  
deep yellow.

FEB 26 1980

9147. Bulbostylis junciformis Liebm. Cyperac.  
F NY (3?) Spikelets brown. det. T. Koyama 1981
9148. Peltodon tomentosus Pohl Labiatae  
(8) Herb 2 m. tall. Heads purplish brown. Corolla white lower lip pale lilac. Filaments red. Foliage not aromatic, det. R.M. Harley 1984.
9149. Stylosanthe Legum.-Papilion.  
(10) Erect herb. Petals yellow, banner with red stripe.
9150. Marsipiantes cf. chamaedrys (Vahl) Kuntze Labiatae  
(2) Calyx dull dark violet. Corolla blue violet, upper lip with white nectar guide. det. V.E. Ruddle 1981
9151. Axonopus BURCHELII BLACK Gram.  
(11) Annual grass. (DET. G. DAVIDSE, 1980)
9152. Axonopus PRESSUS (NEES EX STEUD.) PARODI Gram.  
(6) Erect perennial. (DET. G. DAVIDSE, 1980)
9153. Paspalum SUBSESQUIGLUME DOELL Gram.  
(6) Erect annual. (DET. G. DAVIDSE, 1980)

9154. Paspalum Gram  
 (1) Erect annual.

9155. Paspalum Gram.  
 (9) Erect to decumbent annual.

9156. Paspalum Gram.  
 (7) Erect annual, glabrous form; freely intermixed with pubescent form (#9157).

9157. Paspalum Gram.  
 (7) Erect annual, pubescent form; freely intermixed with glabrous form (#9156).

9158. Hirtella Rosac.  
 (1) Dwarf shrub 70 cm. tall. Fruit dark purple green.

9159. Cordia superba Cham. Boragin.  
 (8) Low shrub 80 cm. tall. Corolla cream. Fruit green.  
 det. J. Kallunki 1984.

9160. Echinolaena oplismenoides (Munro ex Doell) Stieber Gram.  
 (13) Erect annual, frequent in open sandy places. det. David 1987.  
 E. JUDZIEWICZ (1990) Stieber

9161. Trachypogon  
(3)

Gram.

BRAZIL: PROV. GOIÁS FEB 26 1980

Município de Babaculândia.  
18 km. southwest of Wanderlândia  
along Belém-Brasília highway.  
(BR-153). Alt. 420 m.

26 Feb. 1980. Ca. 6°56'S, 48°05'W.

Open cerrado with scattered  
trees, Mesosetum sp. dominant  
grass. Sandy soil.

9162. Camptosema aff. ellipticum (Desv.) <sup>Burkert</sup> Legum.-Papil.  
(9) Twining vine among shrubs.  
Banner deep rose pink, wings  
rose pink. Keel pale pink.  
det. R. H. Maxwell 1982.

9163. Staelia sp. Rubiac.  
(7) Herb in bare open sandy  
area. det. Kirkbride 1981.

9164. Arachis burchellii Krap. & Greg. <sup>ined.</sup> Legum.  
(7) Prostrate herb on grassy  
roadbank. Flowers deep yellow.  
det. A. Krepoviches ~~1981~~ 1981.

FEB 26 1980

9165. Chamaecrista flexuosa (L.) Greene  
(3) CASSIA det. Barneby 1981. Legum.  
Erect herb. Flowers yellow.
9166. Amasonia hirta Benth. Verbenac.  
(8) Erect herb with slender  
xylopodium. Bracts bright red.  
Corolla pale yellow. Mature  
fruit black, bracts dark red  
in fruit. det. Mold.
9167. Mimosa somiana H. & B. ex Willd. Legum.  
(12) Prickly prostrate herb. Calyx  
white. Filaments pink. det. Barneby
9168. Qualea PARVIFLORA MART. Vochysiac  
(10) Treelet 4 m. tall x 15 cm.  
diam. Fruits light brown.  
(DET. H. BALSLEV, 1981)
9169. Bulbostylis ~~junciformis~~ <sup>svensoniana Steyermark Davidse 1984</sup> Cyperac.  
F (10) Erect perennial. Spikelets  
light brown. Det. T. Koyama 1981
9170. Paspalum marmoratum Kuhl. Gram.  
(6) Erect annual. Pilose form  
growing intermixed with  
glabrous form (#9174).  
Spikelets biconvex.  
det. Davidse 1980.

9171. Paspalum Gram.  
(12) Erect annual.

9172. Bulbostylis conifera <sup>c.B. Clarke</sup> Cyperac  
F (11) det. T. Koyama 1981

9173. Paspalum MACRANTHICUM L. PARODI Gram.  
(11) Erect annual. Glabrous  
form growing intermixed with  
pilose form (#9170). Spikelets  
biconvex. DET. FIGUEROAS, 1998

9174. Paspalum marmoratum Kuhl. Gram.  
(2) Erect annual. det. Davidse 1981.

9175. Paspalum GARDENERIANUM NEES Gram.  
(11) Erect perennial. (DET. G. DAVIDSE, 1980)

9176. CHROMOLAENA SQUALIDA (DC.) K. & R. Comp.  
(11) Subshrub to 80 cm. tall. Buds  
whitish. (DET. H. ROBINSON 1981)

9177. Sclerobium <sup>paniculata Vogel var. subvelutinum Benth. det. S.F. Smith 1983.</sup>  
~~paniculatum Vogel~~  
Platymenia det. R.S. Gwenn 1981. Legum.  
(11) Tree 10 m. tall x 20 cm.  
diam. Leaves dark green above,  
silvery beneath. Fruits  
green.

FEB 26 1980

9178. Sapotac.  
(11) Tree 5 m. tall x 10 cm.  
WOOD diam. with white latex,  
Flowers green.

9179. Smilax Liliac.  
(12) Climbing vine to 2 m.  
long, among shrubs. Fruits  
green.

9180. Hackelochloa granularis <sup>KUNTZE</sup> (L.) Gram.  
(6) Grass. (DET. G. DAVIDSE, 1980)

9181. Aristida longifolia TRIN. Gram.  
(12) Growing in shade of tree  
island. (DET. G. DAVIDSE, 1980)

9182. Bauhinia rufa (Bong.) Steud. Legum.  
(7) Shrub 1 m. tall with broad  
crown. Fruit green. det. J. Grimes 1981.

9183. BLEPHARODON NITIDUM FOURN. Asclepiadac.  
(8) Twining vine to 2.5 m.  
long. Latex white. Corolla  
light green, corona white.  
Fruit green, lighter green  
at apex and on lower side.



9184. Erythroxyllum pruinatum <sup>Erythrox</sup> O.E. Schulz  
(7) Shrub to 1.5 m. tall  
growing from stump burned  
off at ground level. Stems  
reddish brown, becoming thick  
corky. Leaf blade upturned  
laterally, shiny medium green above,  
pale dull green beneath. Flower buds  
yellow. Growing with E. suberosum  
(# 9186) in annually burned cerrado pasture

Det. T. Plowman

9185. <sup>Amaranth.</sup>  
(3) Perennial from woody xyl-  
opodium. Perianth yellowish to  
purplish. Anthers yellow.

9186. Erythroxyllum suberosum <sup>Erythrox</sup> S. Hil.  
(10) Shrub to 1 m. tall arising  
from stump burned back to  
the ground. Stems light tan.  
Apical branchlets strongly dis-  
tichous. Leaves medium green  
shiny above, dull pale green  
beneath. Young buds light  
green. Growing with E.  
tortuosum (# 9184) in annually  
burned cerrado pasture.

F  
UBC

FEB 26 1980

9187. Helicteres Sterculiac.  
(8) Shrub to 1.5 m. tall. Corolla bright red, filaments dull dark reddish purple. Style green. Fruit green.

9188. Verbenac?  
(1) Subshrub 1 m. tall. Calyx cream. Corolla tube white. Lobes lilac.

9189. ALTERJANTHERA MARTII (MOQ.) <sup>R. E. FRIES</sup> Amaranth.  
(10) Annual herb. Inflorescence silvery white. DET. T. M. PEDERSEN, 1999

9190. Schizachyrium Gram  
(10) Erect perennial.

9191. Trachypogon Gram  
(3)

9192. Centrosema venosum Mart. Legum.-Papil.  
(2) Twining vine. Corolla reddish violet, banner with greenish yellow nectar guide. Tubercles moniliform. det. Barneby 1981.

9193. Mesosetum loliiforme (Hochst.) Chaz. Gram.  
(3) Stoloniferous perennial.  
det. Davidse 1981.

9194. Digitaria GARDNERI HENR. Gram.  
(12) Erect annual. Foliage slightly  
sticky.  
(DET. C. DAVIDSE, 1980)

FEB 27 1980

Soil + rock  
sample.

Cerrado

BRAZIL: Estado Goiás. Município de  
Tocantinópolis, Belém-Brasília Highway  
(BR-153), 55 km southwest of Estreito. Ribeirão  
do Corrêgo. Alt 480 m. 27 Feb 1980.  
Cerrado among sandstone mesas. Sandy + rock  
soil.

9195. Aristolochia ca. 6°49'S, 47°49'W.

(2) Twining vine. Fruit brownish green.  
In cerrado woodland.

9196. Solanum crinitum Lam. Solanac.

(7) Treelet 3 m tall with open crown on  
grassy roadside. Corolla blue-violet. An-  
thers yellow, whitish blue on back.  
det. M. Nees 1982.

9197. Combretum mellifluum Eichl. Combretac.

(7) Scandent shrub 3 m. in low wood-  
land cerrado. Petals pale yellow,  
filaments white, anthers brown.  
Fruit green to greenish brown.  
det. E. Stace 1981.

FEB 27 1980

9198. Rhychospora comata Schultes Cyper  
(3) In shade of low gallery forest  
in cerrado. Spikelets whitish green  
to light brown. det. T. Koyama 1981  
F  
NY

9199. Paspalum CARINATUM H. & B. EX FLUEGGE Gram  
(8) In cerrado woodland on talus slope  
below low sandstone cliff in rocky  
and sandy soil.  
(DET. G. DAVIDSE, 1980)

9200. Centrachloa singularis Swallen Gram  
(26) In cerrado woodland in deep  
sandy soil. Spikelet pubescence  
golden brown to dark violet  
det. Davidse 1980.

9201. Paspalum CONTRACTUM PILGER Gram  
(11) In cerrado woodland on talus  
slope below low sandstone cliff  
in rocky and sandy soil.  
(DET. G. DAVIDSE, 1980)

9202. Paspalum Gram  
(11) In cerrado woodland in deep  
sandy soil. Erect annual.

9203. Digitaria FRAGILIS (STEUD.) LUCES Gram  
(7) In cerrado woodland in deep  
sandy soil. Annual, erect to

Somewhat decumbent at base.

9204. Ichnanthus oplidmenoides <sup>Munro ex Doell.</sup> Gram.

(10) Erect annual in cerrado wood-  
land in deep sandy soil.  
! E. JUDZIEWICZ 1990

9205. Pitcairnea serradicola L.B. Smith <sup>sp. nov.</sup> Bromeliac  
<sup>+ R.W. Read</sup>

(4) Bromeliad on low sandstone  
cliff in cerrado Internodes of  
scape pinkish to red Bracts light  
yellowish green reddish toward  
tip of inflorescence. Perianth red  
filaments white, anthers yellow.

9206. Erythroxylum prob. sp. nov. Erythrox

(11) Treelet 4 m. tall x 2 cm.  
diameter with storied branches.

Lvs. analysis in low gallery forest in cerrado  
f. to. F region in rocky and sandy soil.

9208 NY K Branchlets flattened in one plane. New twigs  
9210 US mustard yellow. Leaves medium green, dull above,  
MG glaucous dull pale green beneath, undulate at  
margin. Det. T. Plowman

Erythrox

9207. Erythroxylum sp.

(3) NY F Shrub 2 m. tall in under-  
story of low gallery forest in  
cerrado region in rocky and  
Det. T. Plowman

FEB 27 1980

Sandy soil. Branches light green, twigs dark red-brown. Leaves somewhat shiny, medium green above, pale dull glaucous green beneath. Stipules yellowish green.

Erythrox

9208. Erythroxylum prob. sp. nov. aff. E. pelleterianum  
(14) Det. T. Plowman 1984.

F  
NY  
K  
US  
MO  
GH  
MICH.  
+W  
E.  
#

Shrub 2 m. tall in understory of low gallery forest in Cerrado region in rocky and sandy soil. Branchlets light brown. New twigs mustard yellow. Leaves medium to light green above, dull; pale dull glaucous green beneath, margin strongly undulate.  
=9206, 9210

Erythrox

9209. Erythroxylum barbatum O. E. Schulz  
(6) Slender treelet 5m. tall

Det. T. Plowman

F  
K  
fotos

x 2 cm diameter in low gallery forest in cerrado region, with rocky and sandy

Soil. Branchlets light greyish tan. Stipules rusty reddish brown. Leaves mostly at branchlet tips, light somewhat shiny green above, very pale glaucous green beneath.

aff. *E. pelleterianum*

9210. Erythroxylum Sp. prob. nov. *Erythrox.*

(9) Tree 8 m. tall x 8 cm. diam.

WOOD

Ny  
F  
K  
us

with open spreading crown and stored branches. Bark thin, H. brown, longitudinally and transversely cracked, shedding readily in rectangular flakes. Branchlets

WOOD  
MAW  
Uw  
Aw  
Kw

light brown, flattened in one plane. New twigs mustard yellow. Leaves medium to light green, dull, above; dull glaucous, pale green beneath, margin strongly undulate. Sterile

9206

Growing in low gallery forest near small stream in cerrado area in sandy and rocky soil.

Det. T. Plowman

*Erythrox.*

F  
u 9211. Erythroxylum barbatum O.E. Schulz

Det. T. Plowman

(15) Slender tree 6 m. tall x 4 cm

WOOD  
US-Chem  
foto anal.

diam. with short columnar crown. Growing in low gallery forest in cerrado with rocky + sandy soil. Bark smooth, thin

FEB 27 1980

WOOD  
Hw  
Uw  
MADw

light greyish to reddish brown, somewhat shiny. Leaves medium green, somewhat shiny above, very pale glaucous green beneath. Stipules rusty red-brown. Sterile

9212. Erythroxylum squamatum Sw. Erythrox.

(12) Tree 10 m. tall x 8 cm.

(A) Lvs-chem. diameter with open crown. anal.

WOOD: Uw

Sub-

Leaves dark shiny green above, light shiny yellowish-green beneath. Stipules light green. Bark light brown, rugulose with irregularly longitudinal fissures, not readily exfoliating

Det. T. Plowman

(A) F

Erythrox.

9213. Erythroxylum subracemosum Turcz.

(8) Shrub 3 m. tall in margin

WOOD of low gallery forest in

Uw Lf-chem. cerrado on rocky and sandy

WOOD: MAD U

Soil Twigs light greyish tan. Stipules light green. Leaves

= 9214 medium green, somewhat

Det. T. Plowman

shiny above, dull pale glaucous



green beneath. Sterile.  
Bark light brown, longitudinally  
cracked.

9214 Erythroxylum subracemosum Turcz. <sup>Erythrox.</sup>

(II) Treelet 5 m tall x 5 cm

diameter in open margin

(A) - Fls.

of low gallery forest in cerrado

- 9213

F  
AAU

Twigs light brown. Leaves med-

ium yellowish green, somewhat

shiny above; pale dull glaucous

green beneath. Petals creamy

white.

Det. T. Plowman

(A) → K

Erythrox.

9215. Erythroxylum sp. prob. nov.

(II) Det. T. Plowman

NY

F

K

US

MO

Slender treelet 3 m. tall x

1.5 cm. diam. in low gallery

forest in cerrado on rocky and

sandy soil. Bark thin, reddish brown,

exfoliating in thin flakes. Branches light

grey, twigs dark reddish brown. Leaves some-

what shiny, medium green above; glaucous

dull pale green beneath. Stipules yellowish

green. Sterile.

photos.

FEB 27 1980

Euphorb.

9216. Euphoroxylum barbatum O.E. Schulz  
 (15) Slender tree 6 m. tall x  
 5 cm. diam. with short cylin-  
 drical crown. Bark smooth,  
 thin. Leaves medium, somewhat shiny  
 green above; very pale dull glaucous  
 green beneath. Stipules rusty red-brown.  
 Growing in low gallery forest in rocky  
 and sandy soil in cerrado area.  
 Det. T. Plowman

9217. Euphorbia Euphorbia  
 (4) Stems dark red. Leaves dark  
 red to green. Latex white.  
 Perianth white. Herb in cerrado.

9218. Chamaecrista trichopoda (Benth.)  
 (6) Cassia Britt + Killip. Legum.  
 Erect herb on roadside in  
 cerrado. Flowers yellow det. Barneby  
 1981.

RUB

9219. RICHARDIA GRANDIFLORA (CHAM. & SCHL.) SCHULT. & SEAR.  
 (11) Annual herb in sandy cer.  
 Corolla pure white, opening  
 abruptly ca. 10 am. DET. KIRKBRIDE 1981

9220. DIONA TERES WALT. Rubiac.  
 (11) Annual herb in sandy cerrado  
 Corolla tube white, lobes violet.  
 DET. J. KIRKBRIDE 1981

FEB 27 1980

9221. Croton microcarpus Muell. Arg. Euphorb.  
(7) Erect annual in sandy cerrado.  
Flowers creamy white; fruit light  
green. Stems to woody brown.  
det. M. J. Huft 1984.

9222. Paspalum (DET. G. DAVIDSE, 1980)  
SUBSEQUIGLUME DOELL Gram.  
(7) Erect annual in cerrado wood-  
land on deep sandy soil.

9223. Paspalum MACRANTHECIUM L. PARODI Gram.  
(10) Erect annual in cerrado wood-  
land on deep sandy soil.  
DET. T. FILGUEIRAS, 1990

9224. Aristida setifolia H.B.K. Gram.  
(10) Roadside annual in cerrado region.  
det. G. Davidse 1982.

9225. Axonopus (DET. G. DAVIDSE, 1980)  
SICCUS (NEES) KUHLM. Gram.  
(11) In cerrado woodland in deep sandy soil.  
Erect perennial in large clumps.

9226. Trachypogon  
(8) In cerrado woodland in deep sandy soil.  
Plants green to glaucous, pubescent  
to glabrous.  
Gesneriac.

9227.  
(17) On sandstone cliff and talus

FEB 27 1980

Slope in cerrado woodland.  
Corolla violet blue, dark purple at  
base of lower lobes, throat white.  
Tube white. Leaves dark green  
above, reddish violet beneath.  
Rhizome horizontal.

9228. Dioscorea

(2) Twining vine 1m. tall in low  
gallery forest in rocky and sandy  
soil. Flowers pale yellow.  
In cerrado region.

9229. Axonopus CANESCENS (NEES) PILGER (Gron.)  
(7) Erect perennial in cerrado  
woodland on deep sandy soil.  
(DET. G. DAVIDSE, 1980)

9230. Lagenocarpus VERTICILLATUS (SPR.) KOYAMA (Gron.)  
(12) Erect perennial on talus slope  
at base of sandstone cliff in  
cerrado woodland.  
(DET. G. DAVIDSE, 1980)

9231. Chiococca ALBA (L.) Hitch. Rubiac.  
(7) Straggly shrub 3 m. tall along  
banks of stream in low gallery  
forest. Fruits white at maturity

DET. J. KIRKBRIDE, 1981

9232. Xylopia AROMATICA (LAM.) MART. Annonac.  
 (12) Tree 5 m x 15 cm. diam in cerrado near margin of gallery forest. Fruits green with reddish blush. DET. P. MAAS & A. VAN SETTEN 1987  
 n.v. Pimenta do Macaco ground fruits used as chili substitute.
9233. Paspalum GARDNERIANUM NEES Gram.  
 (7) Erect perennial in cerrado woodland in deep sandy soil. (DET. G. DAVIDSE, 1980)
9234. Mesosetum cayennense Steud. Gram.  
 (11) grassy roadside in cerrado region. Erect perennial with stolons. Spikelet pubescence brown. det. Davidse 1981.
9235. Paspalum GARDNERIANUM NEES Gram.  
 (11) Erect perennial in cerrado woodland on deep sandy soil. (DET. G. DAVIDSE, 1980)
9236. Rhychospora trichochaeta C.B. Clark. Cyperac.  
 (12) Erect annual. Spikelets greenish brown. In cerrado woodland on deep sandy soil det. T. Koyama 1981  
 F

- (7) 9239A Cyperus diffusus Vahl FEB 27 1980 CYPER  
 F NY Perennial in cerrado woodland  
 on deep sandy soil. det. T. Koyama 1981
9237. Mesosetum loliiforme (Hochst.) Chase det. Figueiras  
 (8) Mesosetum latifolium Swallen (Gram.)  
 grassy roadside embankment  
 in cerrado region. Plants stoloniferous.  
 det. Davidse 1981.
9238. Paspalum marmoratum Kuhlman Gram.  
 (3) In cerrado woodland on deep  
 sandy soil. Annual, decumbent at  
 base. det. Davidse 1980.
9239. Axonopus CANESCENS (NEES) PILGER Gram.  
 (5) (DET. G. DAVIDSE, 1980)  
 Erect perennial in cerrado  
 woodland on deep sandy soil.
- 9239A
9240. Axonopus CANESCENS (NEES) PILGER Gram.  
 (5) (DET. G. DAVIDSE, 1980)  
 Erect perennial in cerrado  
 woodland on deep sandy soil.
9241. Axonopus POLYDACTYLUS (STEUD.) DEDECCA Gram.  
 (13) (DET. G. DAVIDSE, 1980)  
 Erect perennial in cerrado  
 woodland on deep sandy soil.
9242. Psittacanthus sp. det. J. Kuijt 1981. Loranthac  
 (13) Hemiparasite in rubiaceous  
 tree. Foliage dull, glaucous.  
 Pedicel and ovary red. Perianth  
 red in lower 2/3, grading to yellow-  
 orange in apical 1/3. Fruiting

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pedicel dark red-purple. Fruits dark maroon purple. Growing in

9243.  
(11)

Sapotac.

WOOD

Tree 5 m. tall x 10 cm diam in gallery forest along stream. Latex white. Immature fruits green.

9244. FARAMEA

Rubiace.

(11)  
F

Erect shrub 2 m. tall. Fruits green, black at maturity. Growing in gallery forest along small stream in cerrado area.

DET. J. KIRKBRIDE 1981

9245. Chomelia obtusa (C. + S.) K. Schum.

~~Amisomenus~~ det. B. Boom 1981.

Rubiace.

(11)

Shrub 2 m. tall in gallery forest on bank of small stream. Fruits green turning reddish.

9246. Coccoloba sagotii Lindau

Polygonac.

(7)

Liana 2 m. tall among shrubs in margin of gallery forest in cerrado region. Fruits green.

det. R. A. Howard 1984.

9247. TIBOUCHINA SECT. BARBIGERAE Melastom.  
 (12) Slender shrub 2.5 m. tall.  
 Petals reddish violet. Style pink.  
 Margin of low gallery forest  
 in cerrado region. (DET. J. J. WORDACK, <sup>1981</sup>)

9248. Rheedia Guttifer.  
 (7) Shrub 2 m. tall on rocky  
 margin of stream in gallery  
 forest in cerrado. Latex yellow.  
 Fruit yellow at maturity.

9249. Guettarda spruceana M. Arg. Rubiac.  
 (7) Shrub 2 m. tall in margin  
 of low gallery forest in cerrado  
 region. Fruits white.  
 det. Kirkbride 1981.

9250. Convolvul.  
 (8) Vine 1 m. tall among shrubs  
 in cerrado. No white latex.  
 Corolla light magenta.

9251. Arrebidaea brachypoda (DC.) Bur. Bignoniac.  
 (7) Shrub 1 m. tall on sand-  
 stone outcrop in cerrado  
 area. Corolla lavender pink.  
 det. A. Gentry 1981.



9252. Cordia superba Cham. Boraginac.  
 (12) Low shrub 70 cm. tall in  
 cerrado woodland. Corolla  
 creamy white. det. J. Kellunki 1984.

9253. Galactia jussieana Kunth. Legumin.  
 (12) Herb 70 cm. tall along  
 roadside in cerrado area.  
 Fruits green to dark brown.  
 det. Barneby 1981.

9254. Apocyn.  
 (1) Erect subshrub 1 m. tall  
 in cerrado. Corolla dark reddish  
 purple, lower part of tube deep  
 yellow.

9255. Sebastiania bidentata (Mart.) Pax Euphorbiac.  
 (10) Erect herb in open sandy  
 cerrado. Latex white.  
 det. M. J. Huft 1984.

9256. Cybianthus subg. Weigeltia Myrsinac.  
 (7) Shrub 1.5 m. tall in margin  
 of gallery forest in cerrado  
 region in sandy soil. Fruits  
 shiny green.  
 det. J. Pipoly 1982.

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9257. ALBERTIA cf. EDULIS (L.C. RICH.) A.C. RICH. RUB.  
(7) Tall shrub 4 m. tall in margin of gallery forest along small stream in cerrado region. Fruits light green. DET. J. KIRKBRIDE 1981

9258. Phoradendron <sup>EICHL.</sup> STRONGYCLADES Loranth.  
(8) Brittle yellow-green hemiparasite, 50 cm. across, growing on Erythroxylum (#9214). Infl. mustard yellow. Fruits white. In margin of gallery forest along stream in cerrado. DET. J. KUIJT 1974

9259. Moutabea excoriata Mart. Polygalac.  
(3) Scandent vine 3 m. tall among shrubs in cerrado. Fruit orange. det. J.J. Wurdack 1981

9260. Coccoloba latifolia Polygon.  
(11) Tree 5 m. tall x 8 cm. diam. in gallery forest along small stream in cerrado. Fruits green.

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9261. Crotalaria pallida Ait. Legum.-Papil.  
(4) Shrub 80 cm. tall in cerrado.  
Flowers yellow. det. R. Barneby 1981.

9262. Gardenia: Rubiac  
(13) Shrub 3 m. tall in margin  
of low gallery forest along  
small stream. Fruits shiny  
light. In cerrado region.

9263. Manihot Euphorbiac  
(11) Shrub 3 m. tall with long  
scandent branches. Abundant  
white latex. Fruits green.  
Growing in margin of gallery  
forest along small stream  
in cerrado area.

FEB 28 1980

Collectors: T. Plowman, G. Davidse, N.A. Rosa, C.S. Rosario and M.R. dos Santos.

BRAZIL: Estado Goiás. Município de Tocantinópolis. Transamazonian Highway, <sup>(BR-230)</sup> 6 km. West of Estreito (BR010);

Alt 300 m. 28 Feb 1980  
Approx. 6°32'S, 47°32'W.

9264. Paspalum plicatulum Michx. Gram  
(5) Shrub woodland cerrado in shade of trees det. Davidse 1980.

9265. Paspalum aff. riparium Nees Gram  
(6) Grassy roadside in cerrado region. det. Davidse 1980.

9266. PASPALUM CLAVULIFERUM WRIGHT Gram  
(9) Grassy roadside in cerrado region. DET. T. FILGUEIRAS, 1998

9267. Digitaria FRAGILIS (STEUD.) LUCAS Gram  
(5) Grassy roadside in cerrado region. Erect annual. (DET. G. DAVIDSE, 1980)

9268. Hackelochloa granularis (L.) KUNTZE Gram  
(9) Shrub woodland cerrado, erect annual in open places. (DET. G. DAVIDSE, 1980)

9269. Panicum Gram  
(6) Grassy roadside in cerrado region Decumbent, presumably annual.

9270. Bouteloua americana (L.) Scribn. Gram.  
 (11) grassy roadside in cerrado region  
 Strongly decumbent det. G. Davidse 1982.
9271. Trachypogon Gram.  
 (4) Scrub woodland cerrado. Erect  
 perennial.
9272. Bouteloua americana (L.) Scribn. Gram.  
 (7) grassy roadside in cerrado  
 region. Erect annual.
9273. Ctenanthe Marant.  
 (3) Herb in open area in cerrado  
 Bracts and flowers white.
9274. Heliotropium Boraginac.  
 (9) Straggly erect herb in open  
 area in cerrado. Corolla white.
9275. Operculina alata (Hamilton) Urban  
Ipomoea det. Austin 1981. Convolvul.  
 (6) Creeping vine in scrub wood-  
 land in cerrado.
9276. Byrsonima Malpigh.  
 (10) Shrub 1.5 m. tall, in scrub  
 woodland in cerrado. Fruit green.

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9277. Ipomoea carajasensis D. Austin Convolvul.  
(12) Creeping prostrate vine  
F in open place in scrub woodland  
cerrado. Corolla light magenta,  
deeper magenta at throat.  
det. D. F. Austin 1981

9278. Evolvulus Convolvul.  
(11) Prostrate vine Basal part  
of tube white, upper part  
and lobes sky blue. In open  
place in scrub woodland in  
Cerrado.

foto

9279. Ocimum transamazonicum Labiat.  
~~Blepharodon~~ sp. c. Pereira  
(11) Shrub 3 m tall in scrub  
woodland cerrado. Calyx green at  
base, hood reddish purple. Corolla  
white. Filaments white. Anthers  
light brown to dark purple.  
det. R. M. Harley 1984.

9280. ARAUJIA GRANDIFLORA MART. & Zucc. Asclepiad.  
(13) Climbing vine in scrub woodland  
cerrado. Corolla tube green at base  
apically white. Lobes pure white.  
Latex white. Flowers very  
fragrant. (DET. R. CALLEJAS 1981)

fotos.

FEB 28 1980

Collectors: T. Plowman, G. Davidse, N.A. Rosa, C. R. Rosario, M. R. dos Santos.

BRAZIL Estado de Maranhão. Município de Imperatriz. Belém-Brasília Highway (Rodo) 30 km South of Imperatriz. Alt. 360 m.

28 Feb 1980, 5° 47' S, 47° 21' W  
Approx.

9281. Axonopus CANESCENS (NEES) PILGER Gram.  
(8) (DET. G. DAVIDSE, 1980)  
Grassy roadside in cerrado woodland. Erect perennial.

9282. Paspalum gardnerianum NEES Gram.  
(3) (DET. G. DAVIDSE, 1980)  
Grassy roadside in cerrado woodland.

9283. Axonopus POLYDACTYLUS (STEUD.) GRAM.  
(6) (DET. G. DAVIDSE, 1980)  
DEDECCA  
Erect perennial. Grassy roadside in cerrado woodland.

9284. Digitaria GARDNERI HENR. Gram.  
(9) (DET. G. DAVIDSE, 1980)  
Erect annual in grassy roadside in cerrado woodland.

9285. Aristida setifolia H.B.K. Gram.  
(7) Annual. Bare roadside margin in cerrado woodland. det. G. Davidse 1982.

9286. Paspalum multicaule Poir. Gram.  
(6) (DET. G. DAVIDSE, 1980)  
Annual in grassy roadside in

FEB 28 1980

Cerrado woodland.

9287. Chamaecrista supplex (Benth.) Irwin Legum.  
(9) Cassia + Barneby  
Prostrate herb on grassy roadside. Flowers yellow. In cerrado woodland det. R. Barn.

9288. Cassia = Chamaecrista kunthiana Legum.  
(12) (Schl. & Cham.) Irwin & Barneby  
F Prostrate herb in grassy roadside in cerrado woodland. Flowers yellow det. R. Barneby 1981

9289. Chamaecrista rotundifolia (Pers.) Legum.  
(11) Cassia var. rotundifolia  
Prostrate herb in grassy roadside in cerrado woodland. Flowers yellow det. R. Barneby

9290. Axonopus DERBEYANUS BLACK Gram.  
(3) (DET. G. DAVIDSE, 1980)  
Erect perennial in grassy roadside in cerrado woodland.

9291. Axonopus POLYDACTYLA (STEUD.) DEDECCA Gram.  
(5) (DET. G. DAVIDSE, 1980)  
Erect perennial in grassy roadside in cerrado woodland.

9292. Axonopus DERBEYANUS BLACK Gram.  
(9) (DET. G. DAVIDSE, 1980)  
Erect perennial. Foliage glaucous. In grassy roadside



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in cerrado woodland

9293. Trachypogon SPICATUS (L.f.) KUNTZE Gram

(11) Erect perennial in grassy roadside in cerrado woodland

DET. T. FILGUEIRAS, 1998

Mesosetum loliiforme (Hochst.) Chase det. Filgueiras 1984

9294. Mesosetum altum Swallen Gram

(9) Stoliferous perennial in grassy roadside in cerrado woodland det Davidse 1981.



