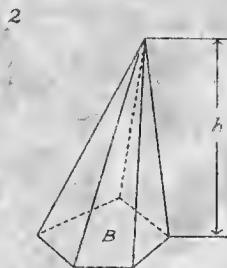
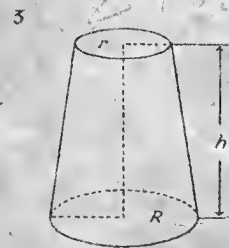


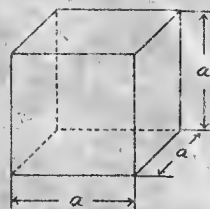
$$V = B \cdot h$$



$$V = \frac{1}{3} B \cdot h$$



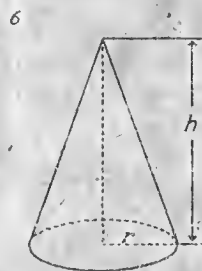
$$V = \frac{1}{3} \pi h (R^2 + R \cdot r + r^2)$$



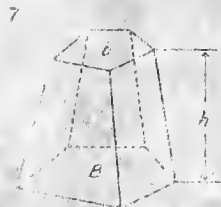
$$V = a^3$$



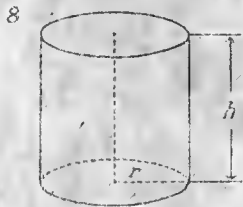
$$V = \pi r^2 \frac{L + l_2}{2}$$



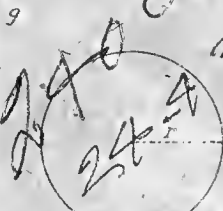
$$V = \frac{1}{3} \pi r^2 h$$



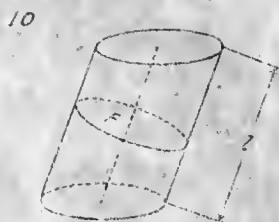
$$V = \frac{1}{2} h (B + \sqrt{B \cdot b})$$



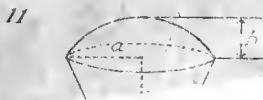
$$V = \pi r^2 h$$



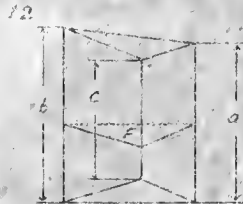
$$V = \frac{4}{3} \pi r^3$$



$$V = \pi r^2 L$$



$$V = \frac{1}{8} \pi h (3a^2 + 3b^2 + h^2)$$



$$V = \frac{1}{3} (a+b+c) F$$

COL

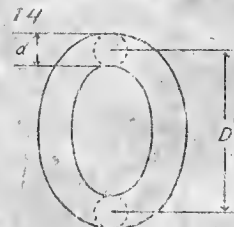
24000 -
24428

CUADERNO DE:

PERTENECE A:



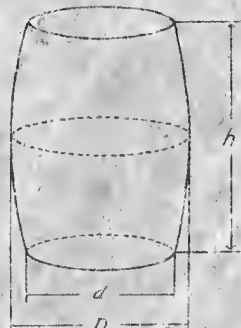
$$V = \frac{2}{3} \pi r^2 h$$



$$V = \frac{1}{4} \pi^2 D \cdot d^2$$



$$V = \frac{1}{8} \pi h (3a^2 + 3b^2 + h^2)$$



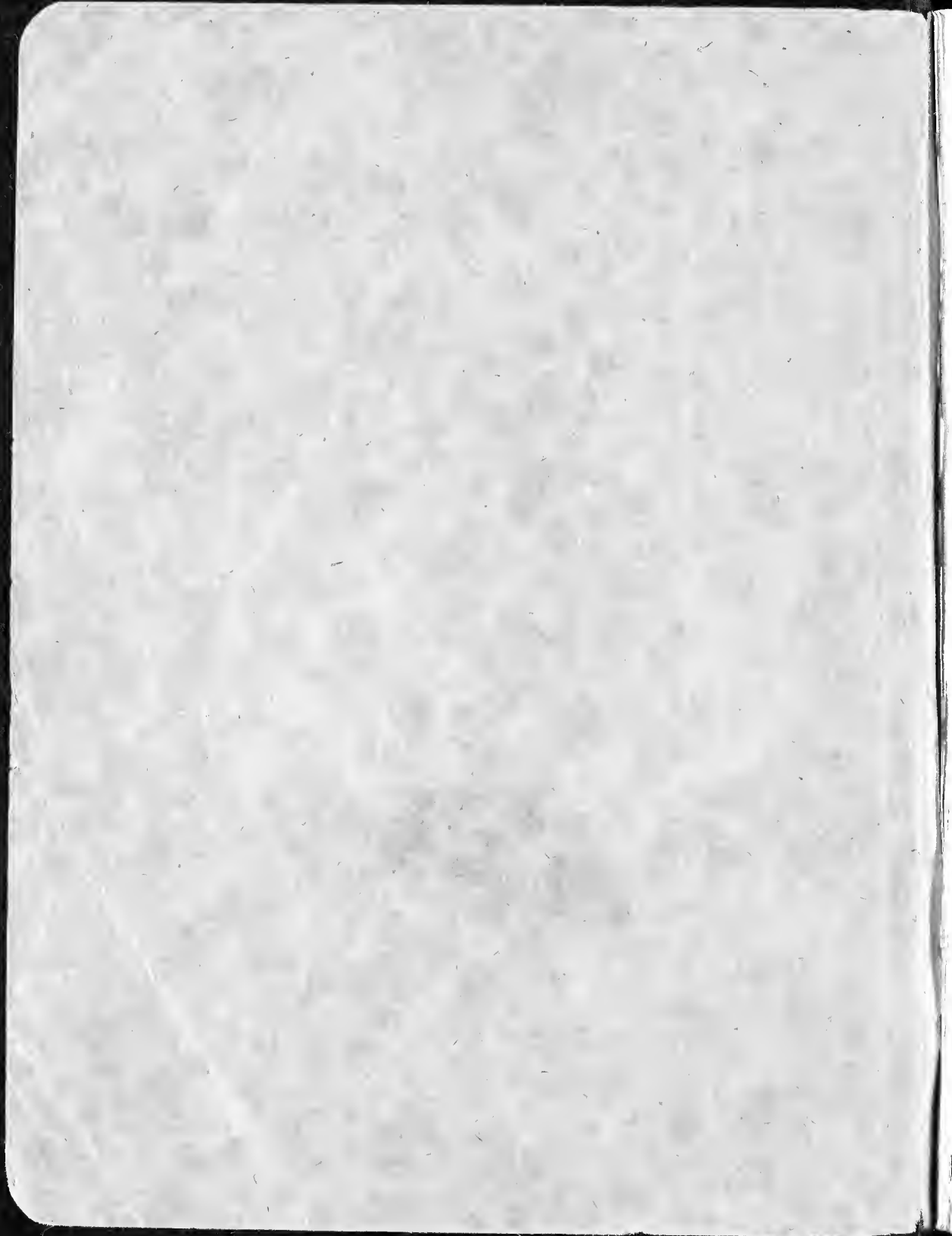
$$V = \frac{1}{12} \pi h (2D^2 + d^2)$$

100 HOJAS

NORMA

15

16



Plantas medicinales

Eugenio Arias Alzate (1965) Ed. 1

Ed. Boernt

Plantas	By	74.30
	gas	150
pirarucú		25
food at		
mercaderías		115
gasoline		100
gasoline		200
bananas		2
Marcetino		100
Escorta		60
Boy		60
Romaldo	2 1/2	7.5
Boy	1/2	15
...		12
...		50
...		10
Marcetino		75
J. Lopez	1/2 day	75
Sept. 17	mercaderías	26
	Albino	

plantas 42.20
 ... 229.00
 ... 45.00 etc.
 ... 1.00
 ... 21.00
 ... 10.00
 ... 6.00

Oct 12 Boya 4.00
 Oct 13 ... 20.00
 Expenses 218.65

towelung \$20.00

Sept 23 lunch 4.50
food 47.00

Sept 24. Baggage Kyoto 40
Bus 40
Taxi 14

Sept. 25 Taxi 32
Dinner 102
Sausage 30
Tickets (plane) 20

Sept 26 Taxi 14

Sept. 27
Taxi 1.00

Sept. 28 Joan 882.00
Taxi 27.50

Sept 29 Hotel - 1040.50
cigar box 300.00
beer 80.00
taxi 12.00

Edo Ortiz, Mich.

Esther de Molina

Air ticket 180.00
 Taxi to Vallar. 10.00
 Taxi to B. y Sta 40.00
 Taxi to Hotel 2.70
 Taxi to Joma
 , back 12.00
 Dinner — 60.00
 , Tips in hotel — 10.00
 Hotel — 76.00
 Taxi 21.00

To land

Lilo Lenke

People of the Amazon 21/
 Robt Hale, Ltd. London 1963.

Oct 2 Julia — 20.
 Rum — 32.00
 Oct 3 Food for trip 290.00
 Oct 5 Joma tip 20.
 Cigar etc 15.00
 Tido Vargas 507.00
 Cerveza 20.00
 Special plants 72.20
 Oct 8 Food for trip 224.00
 Special 75.00 etc.
 other tips
 Joma 21.00
 Oct 9 Special 10.00
 Bank of Joma 2.00

Oct 10 Groceries 15.00
 Special 20.00
 Bank of Joma 5.00
 Oct 11 Boya 11.00
 Special 10.00
 Oct 12 Boya 4.00
 Oct 13 Special 20.00
 Special plants 218.65

towel lining \$20.00

Sept 23 lunch 4.50
food 47.00

Sept 24. Baggage Payola 40
Bus 40
Taxi 14

Sept. 25 Taxi 32
Dinner #02
Sausages 30
Tickets (prints) 20

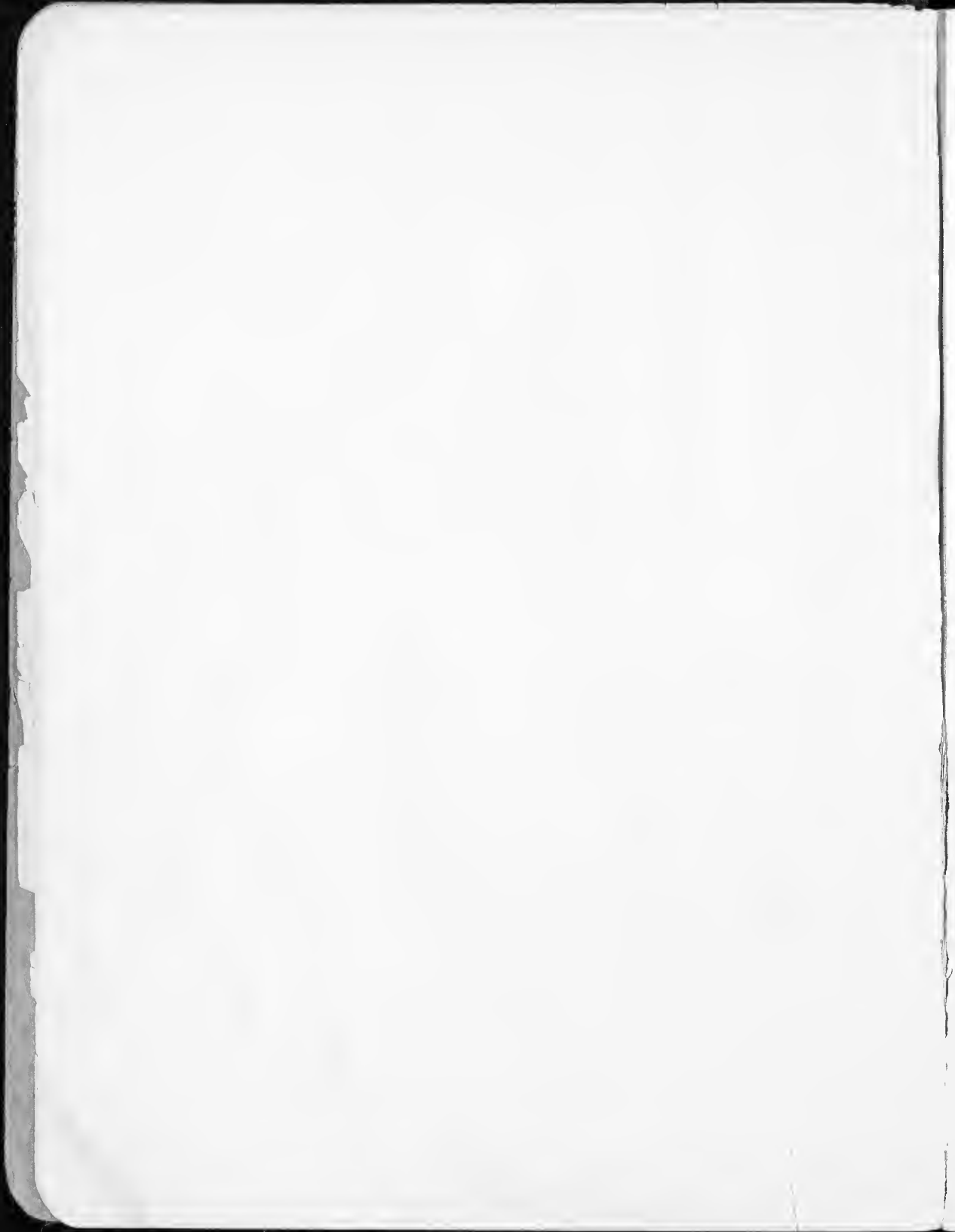
Sept 26 Taxi 14

Sept. 27
Taxi 6.00

Padre Ortiz, Mita.

Esther de Molina

Oct. 14 Air ticket 180.00
Taxi to Vallar. 10.00
Taxi to Bogotá 40.00
Taxi to Hotel 2.70
Taxi to jeans
+ back 12.00
Dinner — 60.00
Tips in hotel — 10.00
Oct. 15 Hotel — 76.00
Taxi 21.00



1880

1. ...
 2. ...
 3. ...
 4. ...
 5. ...
 6. ...
 7. ...
 8. ...
 9. ...
 10. ...
 11. ...
 12. ...
 13. ...
 14. ...
 15. ...
 16. ...
 17. ...
 18. ...
 19. ...
 20. ...

- 24000 *Hevea brasiliensis* (Willd. ex A. Br. Juss.) Muell. - Arg.
det RES.
- 24001 *Hevea brasiliensis* " " det RES.
- 24002 *Isertia hypoleuca* Benth. det M. B. L.
- 24003 *Herrania nitida* (Poepp.) R. E. Schult. det RES.
- 24004 *Scleria pterota* Presl. det. Koyama

Cerro de la Cruz Schwilke, Pinar, Fern., So. part
Sept 10-11, 1946

Cerro de la Cruz, Pinar, Fern., So. part
Aug. 23-24

- 2399 *Hydrocotyle* ... Cent. 22 yrs old
Plant collected in 1944: Leaves green, stem
reddish, silicles dark red, fruit yellow, taste
thick, bitter. H. & P.
- 2400 *...*
1944 ...
- 2401 *...*
Leaves white ...
alk. Pos.
- 2402 *...*
Trunk 4 m diam. Fl. ...
42. Fruit ...
HK, Neg.
- 2403 *...*
- 2404 *...*
- 2405 *Solanum*. Tree 45 ft. ...
Luis de Ferro
HK, Vothoff
- 2406 Grass. Shade. ...
Orthoclada laxa
- 2407 Grass. Shade ...
Homolepis aturensis

- 24008 *Vismia angusta* Miq. det RES.
- 24009 ~~*Clusia globosa* Mez~~ ^{det RES.}
Decaphalaris peruviana Melchior det. Stevens
- 24010 *Ficus glabrata* HBK. var. *obtusula* Dugand det RES.
- 24011 *Palaicourea macrophylla* (HBK.) Standl. det RES.
- 24012 *Pourouma sericea* Tul. det RES.
- 24013 *Ficus cavalleria* Standl. det RES.
- 24014 *Clusia insignis* Mart. det RES.
- 24016 *Polypodium megalophyllum* Desv. det RES.
- 24017 *Cordia Klugii* Killip (?) det RES.
- 24018 *Piper Hostmannianum* (Miq.) C. DC. det RES.
- 24019 *Ischnosiphon obliquus* (Rudge) Koern. det Roberto

cd. 24058 Flowers white - tree sap of tree Sep 18
tree white
Vernonia 5 ft. high Trunk 7 in diam.
alk. doubtful, orange sap.

cd. 24009 Clusia Fl. frag. white Branch water vernifera alk. neg.

cd. 24010 From a theminiana Stem (2), lateral
young branches alk. pos.

cd. 24011 Tree 30 ft. Psychotria? Stem
very juicy See growth alk. pos. ✓

cd. 24012 Pavonia (1) Fl. yellow at top 25
ft. alk. neg.

cd. 24013 Flowers Trunk water alk. neg. - doubtful

cd. 24014 Stem alk. pos.

cd. 24015 Stem 5 x 5 in. Fl. alk. neg.

cd. 24016 Stem (1)

cd. 24017 Stem

cd. 24018 Stem alk. pos. Boothia cut loc. for warts.

cd. 24019 Stem alk. neg.

- 24020 *Palicourea condensata* Standl. det RES.
- 24021 *Cecropia sciadophylla* Mart. det RES
- 24022 ~~*Stychnos jobertiana* Baill.~~ det RES
Stychnos cogens Benth. vel aff.
- 24023 ~~*Psychotria* sp. *Palicourea guianensis* Aubl.~~ det RES
Palicourea crocea (Sw.) Roem + Schult. det RES
- 24026 *Solanum lipimitante* R. E. Schult. det RES.
- 24027 *Poureaqueiba peruvia* Tul. det RES.
- 24030 *Alloplectus semicordatus* P. et E. det RES.
- 24031 *Stychnos jobertiana* Baill. det RES
- 24032 *Palicourea guianensis* Aubl. det RES

Col 29000 *Pygmaea*, ...
...
ack. pos.

Col 29022 *...*
...
ack. pos.

Col 29024 *Taranea* ...
...
ack. pos.

Col 29034 *...*
...
ack. pos.

Col 29045 *Tulip* ...
...
ack. pos.

Col 29055 *...*
...
ack. pos.

Col 29065 *...*
...
ack. pos.

Col 29075 *...*
...
ack. pos.

Col 29085 *...*
...
ack. pos.

Col 29095 *...*
...
ack. pos.

Col 29105 *...*
...
ack. pos.

Col 29115 *...*
...
ack. pos.

Taken each month in menstrua-
tion, bark decoction contra-
upline

24036 Solanum

24037 Anacardium occidentale Tikwa: syncope peduncles det RBG.
togeth with fruit fls. Tea f.

24038 Lycopodium cernuum L. leaves + bark for diarrhea det RBG.

24039 Urospatha sagittifolium (Rodesch.) Schott det RBG.

24040 Bellucia grossularioides (L.) Tr. det Wurd.

24041 Sesertia hypoleuca Benth. det RBG.

24042 Inga edulis Mart. det Ellis det Urbe

24043 Pourouma cecropiaefolia Mart. det RBG

24044 Victoria regia Lindl. det RBG

24045 Erythrina fusca Koiv. Radcl

24046 Sphenoclea zeylanica Gaertn. RBG

Col. 1911 ... alk. neg.

Col. 1912 ... alk. pos.

Col. 1913 ... alk. pos.

Col. 1914 ... alk. neg.

Col. 1915 ... alk. pos.

Col. 1916 ... alk. pos.

Col. 1917 ... alk. neg.

Col. 1918 ... Tea-Plant ... alk. neg.

Col. 1919 ... alk. neg.

Col. 1920 ... alk. doubtful

Col. 1921 ... alk. doubtful

Col. 1922 ... alk. doubtful

Col. 1923 ... alk. doubtful

Col. 1924 ... alk. pos.

Col. 1925 ... alk. sl. pos. ?

- 24048 ~~Erythronium~~ *Eretalaria nitens* HBK. Reed
- 24051 *Maicta guianensis* Aublet det Ward.
- 24052 *Adelobotrys marginata* Brade det Brondash
- 24053 *Besleria ignea* Fritsch det RBG.
- 24054 *Bryopteris meniscoides* (Willd.) O. Ktze.
- 24055 *Pourouma sericea* Tul. det RBG.
- 24056 *Piper nigrum* L. det RBG.
- 24057 *Polypodium megalophyllum* Less. det. Small
- 24058 left with Unibe
- 24059 *Anthurium* sp.
not in H-Gl.
- 24060 *Rapatea pilulosa* Aubl. det RBG.
- 24061 *Aechmea nidularioides* L. B. Sm det Smith

Col. 1

Alk. good.

Col. 2

Col. 3

11. 17
"Matauea rock"
~~Photo?~~ Was used & red.

Col. 4

Col. 5

Not a true sup. it is a very poor sup.

Col. 6

Col. 7

Col. 8

Was used to Macmillan neg.

6. ... of people have bank in ...

24066 *Mendoncia*

24067 *Rhynoria*

24069 *Equisetum patens* Poir. (E. "superia" in K. Poir.)

det McLaughl.

24070 *Lepidocaryum tenue* Mart.

det R.S.S.

24071 *Matayga rostrata* (HBK.) Presl

det Merrill

24072 *Siparuna magnifica* Perk.

det R.S.S.

24073 *Passiflora nitida* HBK., *Laticia* ~~det~~ silva + portulaca

24074 ~~*Compocarpum Sprucei* (A. DC.) Wats.~~

det R.S.S.

24076 *Ficus figifolia* Miq.

det R.S.S.

24077 cf. *Caraija*?

24077 *Cymbopetalum*
Stenoclinium

24078 *Smilax equatorialis* A. DC.

det R.S.S.

alk neg.

neg ✓

Fish poison

alk neg

col. 24071

alk neg.

col. 24072

col. 24073

Indica... fr...

Vine

(H. loss)

col. 24074

col. 24075

alk neg.

col.

col.

Caranpa?

alk neg

col.

24079 no 7 in H^o C. I.

24080 *Alchornea cordata* (Juss.) Muell. - Arg det RES

24081

24082 *Pourouma sericea* Tul. det RES

24083 *Miconia amazonica* Tr. det Warlow

24084 Piper

24085 ~~*Acanthoopermum?*~~ ~~*truncata* sp.?~~ det RES
Pida cordifolia L.

24086 *Cassia lucens* Vog.

24087 *Passiflora Killipiana* Cuatrecasas. (Type RES 5875
K. Pedersen) det RES
Tikawa: tea of lbs. febrifuge.

24088

24089 *Henriettella sylvestris* Planch. det RES

24090 *Bonafousia tetrastachya* (HBK.) Mgf. det. Numerov
= *Tabernaemontana tetrastachya* HBK. det RES

24092 *Miconia tomentosa* (L. Rich) S. Don det Warlow

24093 *Machaeranthera macrophyllum* B. Th. det Reel

24096 *Warszewiczia coccinea* (Vahl) Kl. det RES

24097 *Nectandra* sp. *Verola* ^{*elongata*} ~~*cannata*~~ (Bth.) Mart. det RES

8 in

all pos.

Cl. 2405 Banksia laevigata F. - all pos (slight)

Cl. 2406 Piper sp. all pos.

Cl. 2407 Conium maculatum all neg.

Cl. 2408

Cl. 2409 Conium maculatum Feb 1952

Cl. 2410 Conium maculatum all neg.

Cl. 2411 Conium maculatum all pos.

24091 Piper Bush. all neg.

Cl. 24092 Melastom. Fraxiniflora Tree 25 ft. all neg.

Cl. 24093 Legume. Leucaena Fl. white. all neg.

24094 Tree form. H. 12 ft.

Cl. 24095 Cactus. Cholla H. orange. 12 ft. all neg.

Cl. 24096 Worcesteria Breviflora Fl. yellow. Shrub 15 ft. all neg.

Cl. 24097 Conium maculatum all neg.

24098 Solanum jamaicense Mill.

det R.S.

24099 Oryctanthus aff. botryostachys Echl.

24100 Ficus caballina Standl.

det R.S.

24101 Matricaria

24102 Belotia sp. (none in hb from Amazonas)

det R.S.

24105 Iryanthera ~~Ellii~~ peruviana Warb. ✓ det R.S.

24107 Ormosia n. sp.?

24108 Brumfelsia ^{graniflora var. Schultzei} maritima TYPE

det R.S.

24109 Decapthalargium peruvianum Melchior det Standl.
Cleistanthus globosa Meyen topotype det R.S.

24110 Tabernaemontana Sananho R. + P.

Sida - pentapeta, maritima, colombiana. Leptocarpus peruvianus Wats.

24111 Matisia coriata H. + B.

det R.S.

Tranquilizer prep of fruit with Fouquieria in tea: menstrual problems

24112 Ficus Mathewsii Mig.

det R.S.

24113 Struthanthus cf. adenostemon (Echl.) Killip

det R.S.

alk. doubtful,

Col. 2

Col.

Col.

Col. 2
↑

Col.

Col.

Col.

Col.

Col.

Schult. + Raffauf Sojarto

R. Loreopycnis. At mouth of river Sept 13-15, 1966

amazonica Duchesne var. renoufiana K.S.P. Type

24107 Urmoia "chocho" Tikuna - mu-mu-²-ka.

Col.

Calyx brown, pet. ...
leaves ... seeds very alkaloidal. Lvs. trig. orb.

24108 Bouffelsia. Bush 12 ft. Fl. white or purple. Poison to

Col.

cattle. "Sanango" alk. ...

24109
Col.

Clusia Strongleyi. Fl. all pink. Petal yellowish.

Latices ... alk. ...

24110

Tabernaemontana Sanango. Fl. white. Latices white.
Small tree or large bush. Sanango + Tikuna bark & latex
poisonous for sheep & cattle

24111

alk. pos.

Col.

Ficus ...

24112
Col.

Miconia ... 24112

24114 Not in HB Col.

24115 Cochlospermum ornocense (HBK.) Steud. det RBG

24116 Pitheusa sp.

24117 Matisia n. sp. ^{Patinia} ~~Quararibea~~ ictiomytica RBG. det RBG
Pulpa minor fresh powder.

24118 Genipa americana L. det RBG

24119 Spondias sp. Hot bath for varicella with menstrual problems.
Loc. used.

24120 Clitoria cf. arborea Bth. Ruud

24121 Sanchezia thimophila Kunze { topotype, 2nd coll! det RBG

24121a Nectandra globosa WRS. n. sp.

24122 Capsicum isothrix Standl. det RBG
(new to Amazon of Colombia)

24123 ~~Cestrum~~ sp. Solanum verbascifolium L. det RBG

24124 ~~Nectandra~~ Pisi Miq. (check with Allen) det RBG

Marsippospora microfusa

Very toxic. Topical dogp.

24126 Prestonia sp. (not in HB Col.) Lelicia. Very toxic. Used to kill dogs.

24127 Eugenia sp. ?

24128 Jussiaea leptocarpa Nutt. det RBG

24129 Sporoclea linderifolia L. det RBG

Ca. 24114 Flamm. Umb. 3' alk. po.

Ca. 24115 *Passiflora* sp. ... (faint text)

Ca. 24116 *Asclepias* sp. ... (faint text)

Ca. 24117 *Asclepias* sp. ... (faint text)

Ca. 24118 *Passiflora* sp. ... (faint text)

Ca. 24119 *Passiflora* sp. ... (faint text)

Ca. 24120 *Passiflora* sp. ... (faint text) ... Bark + ...

Ca. 24121 *Passiflora* sp. ... (faint text) ... Bark + ...

Ca. 24122 *Passiflora* sp. ... (faint text)

Ca. 24123 *Passiflora* sp. ... (faint text)

Ca. 24124 *Passiflora* sp. ... (faint text) ... Bark tea ...

Ca. 24125 *Passiflora* sp. ... (faint text)

Ca. 24126 *Passiflora* sp. ... (faint text) ... Bark tea ...

Ca. 24127 *Myrtaceae*. Fl. white. ... (faint text)

Ca. 24128 *Convolvulaceae*. Fl. yellow. Playa.

Ca. 24129 *Sponsoa*. Vine. Fl. purplish. Playa.

24130 Dicranostyles ???

24131 Phyllanthus fluitans Bth.

det RSB.

24132 Neris amazonic Killip

Reid

24133 Crateva Berthamii Eichler

24135 Ormosia macrocalyx Bucke

Reid

24136 Utricularia foliosa L.

det RSB.

24137 Polygonum portoricense Bert. ex Small

24138 Datura suaveolens H. & B.

det RSB.

24139 Duguetia ~~sp.~~ Spixiana Mart.

det RSB

24140 Coussapoa intermedia Mart. ex Miq.

det RSB.

24141 Palicourea crocea (Sw.) Roem. + Schult.

det RSB.

24142 Microlobium acaciaefolium (Bth) Bth.

Reid

24143 Clusia amazonica Pl. + Tr.

det RSB.

24145 Tabernaemontana tetraetachya HBK.

det RSB.

24146 Eugenia inundata DC

det M. N. S. J.

24147 Cecropia peltata L.

det RSB.

Convolv.

24130 ~~Convolvaceae~~? Vine. Fl. yellow, all st. pos

24131 Phyllanthus spontaneus Hoating, oak, slightly pos.

24132 Dalbergia? Scandent, similar to blue. Fl. white.
Bark formerly fruit position l, twigs sl. pos.

24133 ~~Leguminosae~~? Small tree. Fl. bracteoles green & yellow.
Bark formerly fruit position l, twigs pos.; Bark neg

24134 Legume. Tree, 90 ft. Fl. brown - purple.

24135 Legume. Near Cumara. Tree 80 ft. tall. Seeds all red.

24136 Lentil. Cumara Hoating. Fl. (1)

24137 Polygonum, Scandent, stem reddish, all round

24138 Datura maritima. Fl. pendent, white. Bush.
oak. pos.

24139 Convolv. Small tree. Fl. yellow, tree 100 ft. tall.
Bark, neg.

24140 Coussapea. Large tree with 10 ft. orange - brown.

24141 Furcraea. Fl. yellow. Tree 12 ft.

24142 Legume. Small tree. Tree 60 ft. bark reddish.

24143 Clusia - Scandent epiphyte. Fl. orange - white.

24144 ? Scandent vine. Fl. brown.

24145 Tabernaemontana strobilata. Bush 6 ft. all white.

24146 Myrtaceae. Common shrub along banks. Fl. white.

24147 Cecropia peltata. (1)

- 24148 Chrysophyllum auratum Mig. det R.S.S.
- 24149 Croton glabellus L. det Fernandez
- 24150 ~~Egt~~ Chytroma tricornata (Berg) Miers
Eschweillera timbuchensis det R.S.S.
- 24151 Cymbosema roseum Bth. Rudd
- 24153 Berria amazonica Killip Rudd
- 24154 Combretum frangulifolium HBK. det R.S.S.
- 24155 Sphenoclea zeylanica Gaertn. R.S.S.
- 24156 Crataeva tapia L. Tree of leaves stomachic. Litchia det R.S.S.
- 24160 not in H.C.C. Mucuna rostrata Bth. Rudd
The leaves good seed to put into food as
antidotes.
- 24163 Pterocarpus Rohrii Vahl (Rudd)
- 24164 Cyphomandra sp. NOT in H.C.C. det R.S.S.
- 24165 Theobroma grandiflorum
examined seeds
in 2nd fruit specimen
det R.S.S.

- 24148 *Sonchitaceae*. Fr. green. Lvs. white.
- 24149 ^{Cuscuta} *Rauvolfia*? Fr. green. Sm. tree.
Wolffia hirsuta cr. lvs. p. lvs. collected with some
- 24150 *Leg. Hirsutum*. Fr. yellow, 50 ft. Fr. white-green.
Fr. lvs. collected from a tree in a forest
- 24151 Legume vine, Fr. red. Flowers put into tea to
correct menstrual disorder
- 24152 *Lauraceae*. Small tree. Fr. brownish. Ht. 12 ft
- 24153 *Asclepiadaceae*. Sm. tree. Fr. purplish.
- 24154 Combretum. Vine. Fruit bright red. all neg.
- 24155 *Borrachito*. On plays. Dense. Fr. white. Cattle poison.
same as 24076 all. doubtful.
- 24156 Tree. Ht. 30 ft. Fr. white. *Wolffia hirsuta*
of lvs. for stomachic.
- 24157 *Faramba*. Scand. lvs. yellow. Fr. red. (1)
- 24158 *Flacora*? Small tree, 30 ft. Fr. purplish. Fr. lvs. yellow.
- 24159 ? Tree. Ht. 45 ft. Fr. white.
- 24160 *Passiflora*. Large vine. Fr. bright purple.
- 24161 *Momipha*? Sm. climber.
- 24162 *Viola*? Sm. tree. Fr. yellow.
- 24163 ? Fr. yellow. Fr. pale yellow. Fr. lvs. yellow.

- 24166 Styphnos panurensis Sprague + Sanders. det RBG.
- 24167 Malouetia furfuracea Spr. det RBG.
- 24168 Duroia genipoides Spr. det RBG.
- 24169 Ilex sp. (near but not I. lupuciana)
- 24170 Mabea nitida Benth. det RBG.
- 24171 Heterostemon ruissoides Desf. Thunb.
- 24173 Drya cf. longifolia (Chick) det Urt.
- 24174 Ocotea similans C. K. Allen det RBG.
- 24175 Ryania angustifolia (Turcz.) Mon. det RBG.
- 24176 Banara guianensis Aubl. det RBG.
- 24177 Qualea acuminata Spr. ex Warmunz det RBG.
- 24178 Peperomia macrostachya (Vahl) A. Dietr. var. nematostachya (Link) Trieb. + Yunk. det RBG.
- 24179 Xylopia aromatica (Lam.) Mart. det RBG.
Kubecan - fruits red - candy

Vaupés Sept 27 - Oct 20, 1966

Vac. of Mita

cl. 24166 *Stylocybe*, Epil. on edge, pinkish, fl. purple, white, fruit green, Fr = ark. stem + BK + lvs. = white

cl. 24167 *Malesherbia* ... in center of ... fl. white, ... BK ...

cl. 24168 *Dorstenia* ... fl. pinkish, ...

cl. 24169 *Vicia* ... fl. greenish ...

cl. 24170 *Panicum* ... alk. neg.
 Kibros effort out to prevent moldy trail loss.

cl. 24171 *Legume*, ... fl. purple, alk. neg.
 fl. ... yellowish to ...

cl. 24172 *Bush*, fl. white, *Hirtella*

24173 *Inga*, small bush, flowers white (1) alk. neg.

cl. 24174 *Lamiales*, ... fl. yellow-green, lvs. + frs, alk + ... (slight)

cl. 24175 *Flacourtia*, ... alk. neg. lvs. frs, doubtful

cl. 24176 *Flacourtia*, Bush, ... fl. green-yellow, alk. doubtful

cl. 24177 *Legume*, Sm tree, fl. white, ... alk. neg.
 Bark as a faecal ...

cl. 24178 *Peperomia*, Hanging ... alk. neg.

cl. 24179 Sm tree, 20 ft, ... fl. cream, not tested

cl. 24180 *Psychotria*, Bush along river bank, alk. neg.

24181 *Pithecellobium* Benth

24182 ^{*Trichilia*} *Comptosia* sp. ? check

24184 *Arabidea*

24185 *Oxytheca elegans* (A.D.C.) Gilg det RBG

24186 *Eschweilera inaequisejala* Cuatr. det RBG

24187 *Strychnos ronderletii*oides Sp. ex Benth. det RBG

24188 *Miconia truncata* Tr. det Warbuck

24190 *Myrciaria* (sent to McVaugh.)

24191 *Comptosia Sprucei* (A.D.C.) Warb. det RBG

24192 *Crudia Amazonica* Bth. ^{Contributed by the foreman of field party} Benth

24193 *Miconia* sp. not in Hb. C.P.

24194 ?

24195 *Palicourea guianensis* Aubl. det RBG

24196 *Leandra rhodopigra* (DC.) Cogn. det Warbuck

24197 *Alchornea glandulosa* ~~RBG~~ P. & E. det RBG

24198 *Licania glabra* Mart. ex Hook fil. ^{det RBG}

24199 *Eugenia florida* DC. ^{Nature's draft for} det RBG

Col. 24181 Legume. Fl. greenish white. Tree alk. R. Pos.

Col 24182 Small tree? alk. neg.

Col 24183 Legume. Small tree. Fl. white. ^{fruit said to be poisonous.} alk. Pos

Col. 24184 Pigeon. Vines. Fl. cream - white. alk. Pos
Rubros make eye wash from leaves.

Col. 24185 Sida acuta. Fl. green - white. ^{fruit, in neg.} alk. Pos

Col. 24186 Lecy. thicket. Fl. cream, Sm. tree. alk. neg, lft

Col. 24187 Strophanthus. Large vine. Fl. green.

24187a Eussia Suda boiled with leaf of Sourashtra fruit ^{with seeds}

Col 24188 Melastomaceae. Tree 9' fl. pink & white.

24189 Small tree. Col. leaves?

Col 24190 Myrtaceae. Small tree. Fl. white.

Col 24191 Bush. Fl. white?

Col 24192 Legume. Small tree. Ormosia? alk. neg.

Bark made into tea for ^{fruit} ^{poisonous}

Col 24193 Climber. Ormosia? Ormosia? ^{not Oleaceae} ^{alk. neg.}

Col 24194 ? Small tree. Fl. pink.

Col 24195 Tree 15 ft. Psychotria. Apo ^{fruit} ^{alk. Pos}

decip yellow. alk. +

Col 24196 Melastomaceae. Chamaecrista?

Col 24197 Aletris? Lythrum, large tree. ^{fruit} ^{alk. neg.}

Col 24198 Anacardium? Albizia, large tree. ^{fruit} ^{alk. Pos.}
^{not Anacard.}

Col 24199 Melastomaceae Eugenia? Albizia? ^{fruit} ^{alk. neg.}

24200 Ocotea simulans K Allen

det RBG

24201 Mandevilla cuneifolia Woods. (see back page)

det RBG

24202 Anthurium crassinervium (Jacq.) Schott

det RBG

var. Caatingae R E Schult. var. nov.

(differs from Cratichneumon (Horr. Bot. Mus. Berl. 16 p 18) in being less cor. + narrower, ~~more~~ leaves, etc.)

W. in collection of leaves released. fungal infection

24205 Piper cf. separabile Trel.

det RBG

24206 Clusia spathulifolia Engl.

det RBG

24207 Pitheca Passiflora Jurupia L.

Fl. ...
green ...
fruit ...
...

24210 Paepalanthus fasciculatus (Ret.) Koern.

det RBG

24211 Nautileodyx sp.

24212 Sarcostemma ? minutifl.

Kubera ...
white plant

24213 Clusia columnaris Engl. var. vaupeana Cuatr. det RBG

24214 Elaphoglossum Wagneri (Kze.) Moore

det Merrill

Col. 24200 Wau acrose, Small tree, alk. neg.
White Castanea forest near ... alt 1/6!

Col. 24201 Mandevilla, Vine, Fl. yellow, Latex white, alk. pos.
Said to be toxic.
24202 Anthurium crassum, Spathe green - purple
Spadix purple, Tea of leaves used for fungal
infection. ~~With~~ Warm decoct. fls. Kubeo ear wash for
Col. 24203 Pithecolobium, Tree 35-40 ft. Fruits big ^{Fungus.} alk. neg.

Col. 24204 Vin ..., Sterile young specimen, alk. neg.

Col. 24205 Piper, Sterile Bush 4 ft,
bark with small flowers of 24207 bark for ...
Col. 24206 ..., Tree 30 ft. Fruit light green, alk. neg.

24207 Passiflora, ..., Fl. white, diam. 1/2 in
... (1) Tea ...
sleep.

24208 ..., Alt. 5 ft. Fl. white, ... (1) ^{...} alk. neg.

Col. 24209 ..., Fruit ...
Col. 24210 Populatia ..., Herbaceous, alk. neg.

Col. 24211 ..., alk. pos.
Bark for ...

Col. 24212 Asclepiad ..., Fl. ...
alk. neg.

24213 ..., Fl. ... with purple
red belly of petals & latex yellow, alk. neg.

24214 ..., alk. neg.

24215 ..., Tea of ...
Plant very rare ...

24216 *Aechmea brevicollis* L.B.Sm.

Smith

24217 *Elaeagia* sp. ? not in Hb. G.

det RB.S.

24218 ~~in Hb. G.~~ *Cephaelis* ?

24220 *Billbergia macrolepis* L.B.Sm.

det Sm.

24222 *Cephaelis* ~~sp.~~ *barcellana* (Muell.-Arg.) Standl.

det RB.S.

24225 *Alloplectus semicordatus* P. & E.

det RB.S.

24227 *Psychotria uliginosa* Sw.

det RB.S.

24228 *Solanum verbascifolium* L.

det RB.S.

2416. Small tree. Bracts orange, fl. white. *bract spotted.*
- 2417 Small tree. Bracts orange. Fl. pinkish white. *alk doubtful*
- 2418 ~~2418~~ *Piper* sp. H. 2 ft. Fru green. - *alk pos.*
- 2419 *Scleria*, *Lepidocarpus* (1)
- 2420 Bromeliad sp. *Piper* group. *Susquehanna*, (1)
- 2421 *Piper* sp. H. 3-4 ft. Fru. 7-8 ft.
- 2422 *Piper* sp. Bracts red. Fl. yellow. H. 6-8 ft. *alk pos*
- 2423 *Piper* sp. Bracts red. Fl. yellow. H. 6-8 ft. *alk pos*
- 2424 *Tabernaemontana*? *Smilax* *H. white* *alk*
~~not in the coll.~~ (1)
- 2425 *Piper* sp. Bracts red. Fl. white (1)
- 2426 Small tree. Fru green ?
- 2427 *Ficus* sp. Fru green. *alk*
- 2428 *Asplenium*. H. 3 ft. Fl. white. *alk pos.*
Asplenium. Fru. aspenus, *alk*
- 2429 Tree fern. H. 6-7 ft. Fru. 7 ft.
- 2430 Tree fern. H. 3 ft. Fru. 3 ft.
- 2431 Tree fern. H. 3 ft. Fru. 3 ft.

24234 Manihot vesiculenta

24235 Solanum Topiro H. & B. ex Dun.

det. P. S. S.

24239 Cephaelis salicifolia H. & B.

det. P. S. S.

(Psychotria sp. prototypic new sp. matching a recent James Duke collection from Chocó, Col.)

det. Daryus

24242 Sipanea colombiana Wernh.

det. P. S. S.

24243 Solanum stramineifolium Jacq.

det. P. S. S.

24244 Solanum subnerone Jacq.

det. P. S. S.

24245 Clibadium asperum DC.

det. P. S. S.

24232 *Tecoma*, Ht. 3 ft. lvs. 3 ft.

24233 *Tecoma*, Ht. 4 ft. lvs. 2 ft.

Ca 24234 *Passiflora*, Ht. 2 ft.

ES

Ca 24235 *Tecoma*, Ht. 2 ft.

24236 *Sida*, Ht. 2 ft. lvs. 2 ft. (1)

24237 *Tecoma*, Ht. 4 ft. lvs. 2 ft.

24238 *Tecoma*, Ht. 2 ft.

ES

Ca 24239 *Sida*, Ht. 2 ft. lvs. 2 ft.

Ca 24240 *Alibonum*? Ht. 3 ft. Fl. white.

24241 *Phytolacca* alt. neg.

Hotel

ES

Ca 24242 *Rondeletia*? Fl. pink, Herb.

ES

Ca 24243 *Solanum* *stream*, Ht. 2 ft. Fl. white, lvs. purplish underneath.

ES

Ca 24244 *Solanum* Ht. 4-5 ft. Fl. blue-purple. alt. pos.

ES

Ca 24245 *Alibonum*, Ht. 3 ft. tall. Fl. white. alt. doubtful

24246 *Cyphomandra* sp. - Kuba = leaf of roots & leaves
relieved by stomach from scented
hot & moist

24247 *Tachigalia cavipes* (Spreng. ex Bth.) Macbr. det RBG.

24248 *Stychnos Erichsonii* R. Schomb. det RBG.

Voupa Indiana add flower & leaf specimen to det. as
stimulant for op. & sick 24247. Also ingredients curare

24250 *Chytroma valida* Hieron det RBG

24251 *Ficus Mathewsii* Miq. det RBG

{ 24253 *Virola elongata* (Benth.) Warb. (subsp.)
~~cuspidata~~ ✓ } det RBG

{ 24254 *Virola cuspidata* (Benth.) Warb. ✓ } det RBG

24255 *Inga* sp.

24256 *Inga stenoptera* Benth. det RBG

24258 *Stychnos ronderletii*ides Spreng. det RBG

24259 *Cyphomandra* sp.

Vaupés - Rio Vaupés near mouth Kibizé

- col 24246 *Erythroyplacis*? Fl white. Sm tree. alk. pos
 (see 24259)
- 24246 *Chelidonium + alaba.*
- col 24247 legume. Tree 60 ft. lvs. silvery. Fl. yellow. Water in edge.
 Very common. all pos.
- col 24248 *Stychnos*. Fl. white, frequent. Fr. orange. Sp. vine.
alk. pos
 H. leaves added to chicha, stimulant forged in bark bark beautiful
- 24249 *Tabernaemontana*, Common. Fl. white
 Not in H. Col. Water white. H. up to 6 ft. (1) all pos.
- 24250 large tree. *Acyrtocarpus*. Fl. yellow. frequent.
 Col. alk. neg.
- col 24251 *Ficus*. large tree. Fruit red. Latex white, alk neg
- 24252 *Bignon*. Flower - colored. vine. (1)
- col 24253 *Varila*. large tree 50 ft. Lvs white beneath. Red bark
 resin. H. brown. alk. pos.
- col 24254 *Varila*. Tree 50 ft. Lvs white beneath. Red bark
 resin. H. brown. alk pos. lvs + bk.
- col 24255 In all legume. Fr. green.
- col 24256 *Juga*. Fl. white. Bark along water edge. Very common.
alk. neg.
- 24257 *Clashtana*? Vine. Fl. yellow.
- col 24258 *Stychnos*. Vine. Fl. white, frequent.
- col 24259 *Erythroyplacis*? Same as 24246. Fl. white, frequent

24260 Byrsonima papirensis Jacq subsp. silvatica Cuscut. det RBG

24261 Clusia columnaris Engl. det RBG

24262 Bomarea ?? Wallacea incignis Sfr. ex Benth & Hook f. det Maguire

24263 Cyrtia racemiflora L. det RBG

24264 Cephaea tuberosum Lour. det RBG

24265 Xyris dolichostachya Lanj. det RBG

24266 Part generally considered with C. digitata in agradent in pair Keller.

24267 Trachomanes arbuscula Desv. det Merrill

24268 Paepalanthus Moldenkianus R.E. Schult. det RBG

24270 Styrax viridifolia Harms + Schult. f. Yapobodensis Harms + Schult. det RBG

24271 Pitcairnia patentiflora L. B. Sm. var subintegra L. B. Sm. det Sm.

24272 Cecropia Harmsii Cuscut. (Ac. from type S. J. L.) det RBG

Plant used by Tubinas in description of Styrax in agradent in pair Keller
(for Styrax in agradent)

24274 Calliandra Rudd

24275 Dillenia. (Same as 24378 ?)

738

Ce 24260. Wa get tree. Malpighiaceae. Fl. pinkish white,
lvs. waxy green, all neg.

81

Ce 24261 Clusia, large tree. Fl. white, center with purple,
all. neg.

→ Rio Kubiyá. S. ... Kañendá

f.
max

Ce. 24262 S. ... Fl. ... all. neg.

Ce 24263 Cynila, Tree 20ft. Fl. white, all. neg.

24264 Cuphea, Fl. purple. (1)

Ce 24265 Xyris, Fl. yellow.

Ce 24266 Small tree. Fl. white, Meytenus Cereis Reiss.

all

Ce 24267 Fern.

ES

Ce 24268 Paepala - ... Maiden tree - Ht. 3 ft. Fl. white,
all. doubtful

24269 Rondeletia, Fl. white, all. +

S

Ce 24270 Styrox yapobukensis, Bush 5ft. Lvs. waxy, all. doubtful

Ce 24271 Bromeliad. Terry. Lvs. light red, Fl. red.

238

Ce 24272 Cecropia. Low tree 15-20ft. Petioles long lined, Br. & red
Ant. ...

Ce 24273 Small bush. Fruit globose

Ce 24274 Mimosa ? Bush. Fl. red.

Ce 24275 ... Polioëarpus disruptus (Eichl.) Steyererm.

- 24276 Himatantlius bracteata (DC.) Woods, det RBG.
Makun = lebrifol
- 24277 Mandevilla subcarnosa (Bth.) Woods, det RBG.
- 24278 Gongylolepis Martianum (Baker) Steyerl. + Cuatr., det RBG.
- 24279 Sauvagea Sprengelii St. Hil. det RBG.
- 24280 Bombax coriaceum Mart. + Zucc., det RBG.
- 24282 Byrsonima oleata Cuatr. det RBG.
- 24283 Vellozia lithophila R.E. Schult. *Trigonostemon* ex f. *rupestris* det RBG.
to Mart. + Cuatr. 1845, by Schult.
- 24284 Ochroma ?
- 24285 Macairea Schultesii Wunderl. det Wunderl.
- 24286 Pachyloma coriaceum DC. det Wunderl.
- 24287 Albobloda macrostachya Spr. ex Malme det RBG.
*T. g. det RBG. 1925 det RBG.
 found in ...
 used for ...*
- 24288 Ochroma? *Thaenocary* Bonnetii, Tylerii?
- 24290 Theobroma bicolor det RBG.

- 24276 Large bush. Plumaria? latex white. fl. white, many (1)
 24276A same species alk +
 24277. Vine, Stems red. fl. pink - white, latex white, all. ?
 Latices white, stems, green, all. ?
 24278 Gongylolepis, large bush, sterile (1) alk. pos. doubtful
 24279 Same as 278. fl. pink
 24280 Bombay correa, Bush 3 ft. fl. sterile alk. neg.
 24281 Malpighia - fl. yellow. alk. neg.
 24282 Malpighia, fl. 10-12 ft. fl. pink.
 24283 Vallozia lithophylla, Ht. 3 ft. fl. white
 24284 Bush. Rosaceae? fl. orange, alk. neg
 24285 Bush, 2-3 ft. Melastom. fl. dark, alk. neg (1)
 24286 Melastom. Trichop. fl. purple, alk. neg.
 24287 Albizia magnifica, fl. blue, alk. doubtful
 24288 Rosaceae, fl. white - pink, Ht. 4-5 ft, fl. tea or dist. yf
~~24288 Rosaceae, fl. white - pink, Ht. 4-5 ft, fl. tea or dist. yf~~
 24289 ? Rubiaceae. Climber, fls. white alk. doubtful
 24290 Theobroma bicolor. Treelet, 9 ft. alk. doubtful
 24291 Flacourtiac. Bush, 2 m tall, fl. white, fl. green.
 alk. doubtful

- 24292 Solanum. Small tree, 10 ft tall, all pos
petals deep blue, fruits green.
- 24293 Leguminosae (Papilion). Herbs
fls. orange, ~~profuse~~ glandular all neg
hair all over stem.
- 24294 Compositae. Climber, fls. profuse, white.
all neg.

✓

24293 *Stylosanthes guianensis* (Aubl.) Sw. Rudd

24295 *C. microstemon* Pl. & Ta.

det Maguire

24297 *Campsiandra angustifolia* Spr. ex Bth.

Reid.

24299 *Securidaca pendula* Bonpl.

Cavan
~~Reid.~~

24300 *Solanum apajoranum*

24301 *... ..*

24302 *Triplaris?*

24303 ~~*G...*~~ *Monopsis*

24305 *Kubec* *má-lá'-ne-ya*

24306 *C. microstemon* Pl. & Ta.

det Maguire

Vicinity of Mita, mouth of Rio Kudugardé
Oct. 6/1966

- 24295 Clusia, Small tree, Latex thin, yellowish,
Fl. white & deep red.
- 24296 Serjania, Vine, Fr. red, Fl. white, all neg.
Huber: Pustules of latex reduced swelling from snake bite.
- 24297 Legume: Flowers light red, Bush 9-10 ft,
Fragrant? all. neg.
- 24298 Cupania, Shrub, Fr. red, all. neg.
- 24299 Leguminosae, Fl. purple, all doubtful
- 24300 Solanum (apocynum?) Vine, purple,
Fl. white, Fr. orange, all. pos.
- 24301 ~~Clusia~~ Serjania, Fr. green, all. doubtful
Lectia suaveolens (Pit & Benth.) Benth.
- 24302 Flacou?, Tree 15 ft., all. neg.
- 24303 Ammoniacaceae, Tree 6 ft., lvs. pos back neg.
- 24304 Leguminosae, Tree 8 ft tall, Fr. white,
Gustavia brasiliensis DC. all. neg.
- 24305 Leguminosae, Large tree, Fl. white & yellow,
lvs. in 2's & 3's or 4's case pairs from base, all. doubtful
- 24306 Clusia Fl. large, almost wholly purple-red,
white around edge, large tree, all. neg.
Medusa-like leaves, 2-3' long, 1-2' wide for
heads

24308 Rubiac. powder for redd to food for "stomach" persons?

24309 *Salpinga secunda* Schr. + Mart et DC. det Ward

24311 *Clitemia lutea* (L.) D. Don var
tiliaefolia (DC) Macbr. det Ward

24312 *Myrcia bracteata* (Rich) DC. det McVay

24313 *Virola theiodora* Warb.

24314 *Myrcia bracteata* (Rich) DC. det McVay

24318 *Symphonia globulifera* L. fil. det P.E.S.

24319 *Hevea nitida* Mart. det P.E.S.

Mita, forest above flood level, Oct. 7/66.

24307 Miconia, Fl. yellow, Univ. Lvs. white,
alk. doubtful

24308 Piper, Ht. 7 ft. alk. pos.

24309 Meibomia, Fl. white.

24310 Sclerium, Tree up to 25 ft. Trunk 8" diam,
Fl. purple, lvs. grey-green, alk. pos. lvs.
Taper. Faintly dried to kill insects, bark, root.

24311 Meibomia, Bush, Fl. white.

24312 Eugenia, Sm. bush, Fl. white, alk. neg.

24313 Verola, Small trees 40 ft, Fl. brown, alk. neg.

24314 Peperomia, Bush, Fl. white. Same as 24312,

24315 Cistus, Fl. reddish, Univ. alk. neg.

24316 Croton, Bush, Fl. yellow, lvs. doubtful
bark pos.

24317 Struthoanthus, Parasite, alk. neg.

24318 Symphoricarpos, Sm. tree, 40 ft. lvs. yellow.
Pitch for marks. Fl. brilliant red. Tuberous, alk. neg.

24319 Hevea nitida, Sm. tree lvs. drooping,
glossy, sterile. alk. doubtful

24320 Cassia lucens Vog.

det Elias

24321 Chama columbiana Engl var. vancouveriana Cuatrecasas

det RES

24321a Griffeniada caryophyllaea Thu.

det Wurdack

24322. Same plant S+C. 13915 Cerro de Mitú 7 Sept 1951 } # 59666 Hb. C. C.
Mandevilla Steyermarkii Woodson ^{in det.} { 59665

24323 Geoffeina calva

Herbarium in stain back
for Chama in herbarium
of the herbarium of the herbarium
- herbarium of the herbarium

24324 Aristolochia ^{medicinalis} ~~Americana~~ R. E. Schult.

det RES

24325 Xiphidium caeruleum Aubl.

det RES

24327 Carex ~~remota~~ lucens Vog.

det RES
det Elias

24320 Cassia. Small tree. Fl. yellow.
alk. very pos.

Urania, Rio Vaupe's, Vic. of Mith.

Plants on bare granite slope, Oct 8/66.

24321 Cleistanthus. Very common. Tree 25 ft.

Bushy, fl. fragrant, white with red-
purple stripe lengthwise of petal, later
yellowish, alk. neg.

24321a Graffenrieda caryophylla Tr. Alk. neg.

24322 Apoecynaceae rupestris. Extensive, water white.

Fl. pale tan-yellow, fragrant; bracts conspicuous
white. Fruit green. Alk. neg. Kubeo da-pa'-kō-
da first dicotyledonous tree for wood + alk.

24323 Quatteria? Sm. tree 20 ft. tall. Flowers

green, petals leathery. Wood, bark, flowers
alk. very positive; fr. alk. slightly positive.
Formally not curable alk.

24324 Aristolochia medicinalis, fl. green-yellow,
mottled purple. Vase. Lvs. leathery. alk.

24325 Xiphodermis, fl. orange, roots orange.

7 Kubeo crush leaves + red roots for tea for "shading all over".

24326 Singonella.

24327 Cassia. Sm. tree 20 ft. Fl. bright yellow.

alk. very positive. Same as 24320

24328 *Acanthella Sprucei* Hook. f. det Wurd.

24333 *Proclea virgata* (Rich.) Arnsh. L. Wurdack

24334 *Cassia lucana* Vog. " good for people who
cannot remember - drink of leaves det Elias

24337 *Pitcairnia mitisensis* L. B. Sm. det RBG

24340 *Monarda subcaerulescens* vel aff. det RBG

- 24328 Melastom. Common shrub, 10 ft. Fl. bright yellow.
- 24329 Composite. Shrub. Fl. white to reddish.
- 24330 Psychotria. Small shrub. Fl. 3 ft. Fl. white, base purple.
- 24331 Hartella Bush. Fl. purple.
- 24332 Rubiaceae. Fr. red. Bush. (Psychotria?)
- 24333 Legume. Scandent bush or climber. Fl. purple. (1)
- 24334 Legume. Tree. Fl. canopy yellow, tree of blossoms purple and white.

Cerro de Plata Oct. 9/66.

- 24335 Composite. Scandent shrub, fl. cream colored. alk. doubtful
- 24336 Rubiaceae. Fl. white, scandent.
- 24337 Pithecolobium mitis. Fl. green-yellow. Axis 6 ft tall. (1)
- 24338 Malvaceae. Scandent shrub. Fl. red. alk neg.
- 24339 Malvaceae. Scandent shrub, 6 ft. Fl. yellow. alk neg.
- 24340 Apocynaceae. Climber. Fl. pink-white. Latex white.

29341a Haffneria caryophyllaea Tr.

det R.S.

29341 All Vulpes indicate my latex caustic + very toxic but
Kuba use it medicinally to remove warts with crushed
leaves

24243 Clusia nutuana Cuatr.

det R.S.

24347 Aegiphila Smithii

24
351 { Bathypsa obovata (Ruiz) Schum. det Dwyer
Casipoua bicorticosa Sp.

det R.S.

24311a Melastom. Large bush, 15-18 ft. Fl. white.
all neg.

24341 *Mandevilla subcarnea*

24342 Malvaceae. Low shrub, 3 ft. all neg.

24342a Compositae

24343 Clusia, Sm tree, 18 ft. Fl. white, purple-red
stripes, fragrant. Same as 24321.

24344 Tern. orchid, Falsaria. Fl. white, fragrant, fl.
very fragrant. H. 5 ft.

24345 Petenophyllum? Fr. red. Shrub 6-8 ft. all neg.

24346 Chelonanthus alatus. H. 5 ft. Fl. yellow-green.
Ten forams. all neg.

24347 Sycaura? Fr. green. Low shrub.

24348 Convolvulac. Vine. Fl. blue-purple. all slight pos.

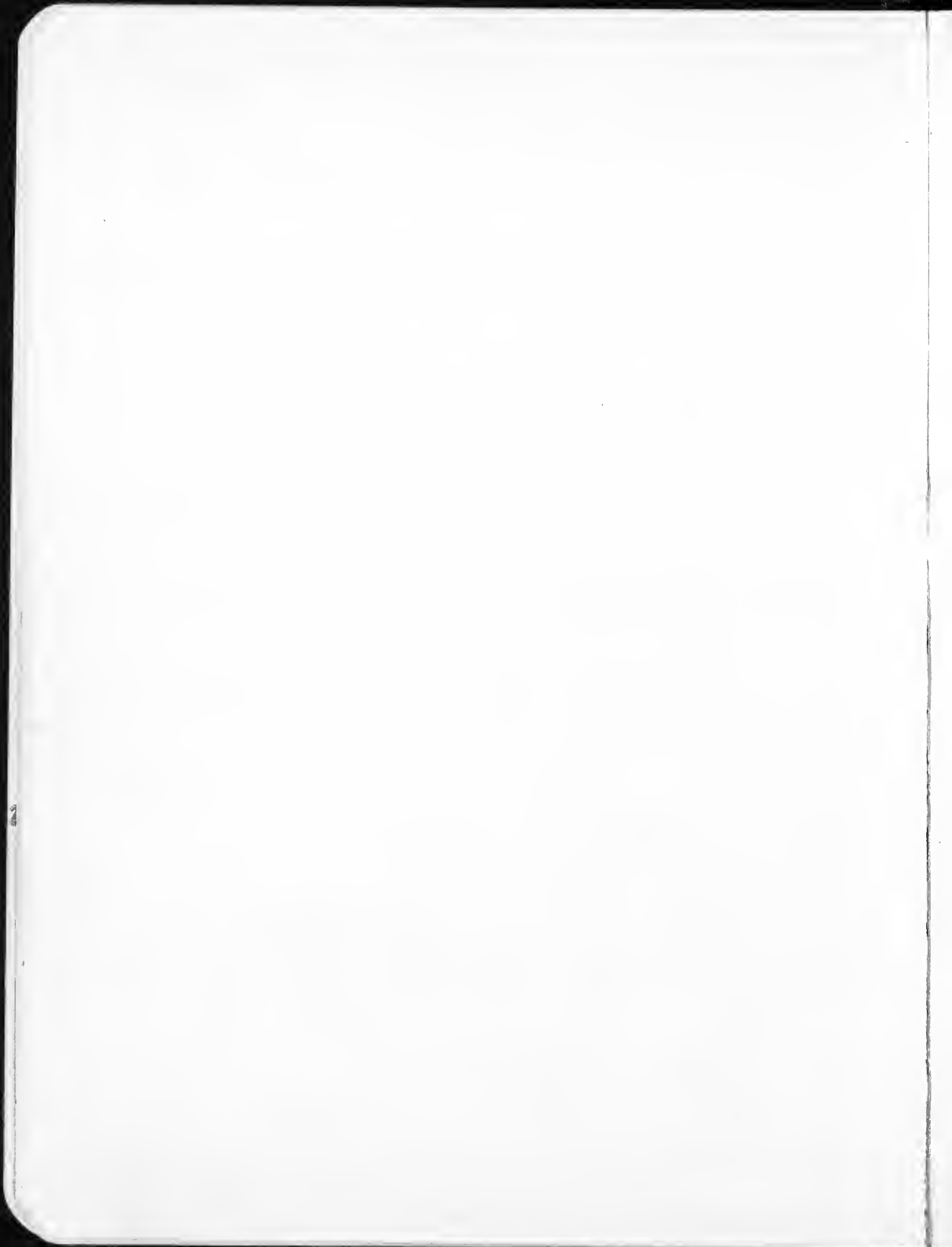
24349 Ypidanthum. Tern. Fl. purple. (1)

24350 Convolvulac. Fl. white. Low shrub.

24351 Rubiaceae. Bracts yellow-green. Sh. 10 ft.
Fl. white. all doubtful.

At base of Cerro Mita. Forest. Oct 9/66.

24352 Tree fern.



24352 Treefern, 2 m tall, sandy soil.

24353 Treefern, 1½ m tall, along creek, wet.
sandy soil

24354 Temperate? Fl. purple (1)

24355 Small tree. The plant is ... Fl. white,
bark ...

24356 Monocot. Small tree ...

24357 Treefern, 1½ m tall, along creek.

24358 Treefern, 1 m tall, tropical rain forest

24359 Treefern, 2 m tall, along creek, wet

24360 Treefern, 2 m tall, sandy soil

24361 Rubiaceae? Small tree. Fr. green,
at ...

24363 Byrsonima japurensis Juss. salsp. silvatica Aente (see book) det RBG

24366 Kenipa americana L. var. latifolia Spr. (check nomenclature) det RBG

24367 Urticum nodosum Kuhn. but fruiting leaves used
to be used as a natural water strengthener +
fetter - give 3-4 days det RBG

24371 Swartzia conferta Spr. det RBG

24372 Calathea cyclophora det J. S. G. B.

24373 Nectandra acutifolia (R. + P.) Mez. Tea for fatigue for 2 days det RBG
2 medicines used as at Lot.

24374 Phoebe Trumanii Rusby Powdered bark for tea det RBG

24375 Siparuna ternata Perk det RBG

24376 Lacuanaria germannii (Cav.) Ducke
Punaia Bö-him (hand of gallnuts) Tea & fruit for
liver pains.

24377 Quatteria Duckeana R. E. F. Catu Tata K. warm decoction
of leaves to be used. det RBG

Río Vaupés, Cachuera de Tatal, Oct 10/66

~~Ramuncle?~~

col. 24363 Tree 60ft, fl. pink + white, alk. neg.

col. 24364 Euphorb.? Scandent, shrub, Fr. green.

24365 Oncidium, fl. yellow, sp.

col. 24366 Rubiaceae, Tree 40ft, fl. white, lvs + twigs neg. back \pm ?

24367 Naclium nodosum, Vine. Sterile, alk. neg on don't fulfil.

col. 24368 Shrub, Euphorb.? fl. white,
 Myp...

col. 24369 Euphorb. Fruit green, Small tree, fl. white.

col. 24370 ? Tree 25ft, Wood on trail, alk neg,
 \rightarrow

col. 24371 Schwarzia, French, Small treelet.

(alk) pos. Red bird's nest on above, for 10 ft. mixture of lvs + twigs

24372 Marantaceae (?)

col. 24373 Laureaceae, fl. yellow, Tree 40ft, (br) alk. pos.
 in some places, Tea of lvs, twigs

col. 24374 Small tree, Fr. green, (alk) pos.

col. 24375 Small tree Saprania, alk neg.
 Rubescent patches on white, provide for coca + tea of fruits

col. 24376 Macphragad, Small tree, fl. yellow.
 Mixed with coca powder for certain uses, alk pos

24377 Gnattleria, Tree 25 ft, fl. yellow.
 Warm bath administered in alk pos.

24378 *Dilleniaceae* Not in Hb. Col.

24379 *Couroupou* n. sp.?

det HBK.

24379 Burn wood to inhale smoke for gripa.

24381 *Graffenrieda rupestris* Nuclea (see note in book) det RBG.
Killed Rub. lvs on branch blistered from paddling

24382 *Duquetia odorata* (Aubl.) Macbr.
(see note in book) with ducha for aromatic taste

det RBG.

24383 *Struthanthus*

24386 *Pithecellobium*

Maxwell

24387 *Ryania pyrifera* (L.C. Rich.) Witten et Sleumer
(duch)

det RBG

24389 *Tachigalia paniculata* E. Aubl.

det RBG

24389a *Diplotripsis Martiusii* Tallonius det RBG for

24390 *Caryocar* aff. *glabrum* Hitchc. det HBK.
det HBK.

col. 24378 Flacourt? Fr. green, scandent,
alk. neg.

col. 24379 Coussapoa, Fr. yellow. Small tree, 30 ft.
hanging over catwalk. alk pos (lvs) + bark neg.
Wood browned, imbedded for seeds.

col. 24380 Small tree. Fl. white. Myrtaceae?
~~Myrtaceae~~ alk. neg. Rosaceae?

col. 24381 McCasstanadoc, Tree 40 ft. Fl. white,
lvs. suited for blisters on hands. Fragrant,
Kubeos. alk. neg.

Rio Kundayari Oct. 10, 1966

col. 24382 Cinnamomum. Tree 12 ft. Fl. green-yellow
Fl. used in food. Very pruritic in lvs + bark
Myrtaceae

col. 24383 Loranthaceae, Fl. white,

col. 24384 Maephanad, Climber. Fl. pink.

24385 Sp. orchid. Fl. yellow.

24386 Legume. Climber. Anthers white, calyx
pink. Alk. neg.

Cach de Tatá

col. 24387 Flacourt? Small tree. Fl. white, alk. neg.
Sash trees to finish

Cach de Tatá
24388? Large tree. Bk. lvs. slightly pos

Cach de Tatá

col. 24389 Legume. Big tree, 35-40 ft. Fl. pink,
Kubeos. Wood used with Cassia for tannin.

24390 Bombax alk. neg. Tree 60 ft. Fl. white, pink

24391 Quatteria dura R. E. Fr. (see back) det. S. S. S.
Ted Wach. vermifuge, Kuba

24393 Xylopia aromatica (Lam) Eichl in Mart det. Wach.

24394 Barborea pinnata (Peru) Baill. Kuhl.

24395 Quatteria

- Col. 24391 *Ammoniacum* Tree 18 ft. Fl yellow-green, cauliflower. Bark strongly pos. of rosylidly. Formerly the curare.
- Col. 24392 *Tabernaemontana*, Fr. green. Latex white. fl. white, Same as 24391.
- Nov in Herb. Col.

Urucaria Oct 12/66.

24393 *Smilax*, *Ammoniacum*, arborescent, +
Fruits red for fruit. Fruits cold and astringent.
Seeds kept in carmine water for depilatory.

24394 *Wegelia*, Vine 70 ft. tall, red, Diuretic
Mine medicine for elderly mental

24395 *Smilax*, *Ammoniacum*, Tree 40 ft.
Fl. yellowish white, tubercles alk. strong pos.

Oct. 14, 1966 Chagra Above Mithal base of ^{cano} Mithal.

24396 Orchid. Epiphyte, labellum white with pink tint, green at tip.

24397 ? *Malouetia*. Tree, 50 ft. tall, latex white, fls. white, fragrant. River bank, wet soil.
Said to be toxic

24398 Tree fern, 6 ft. tall, Common, wet tropical rain forest.

24399 Tree fern, 9 ft. tall, wet, tropical rainforest.

24400 Tree fern, 9 ft. tall, leaf length ca. 4 ft. Wet river bank.

24401 Tree fern, 3 ft. tall, wet tropical rainforest.

24408 *Zornia leptophylla* (Rth.) Pitt. Rudd.
Lvs. powdered to fine white dust on the

- 24402 Treefern, 5 ft. tall, wet river bank.
- 24403 Treefern, 5 ft. tall, wet river bank.
- 24404 Treefern, 4 ft. tall, wet riverbank
- 24405
Apoc. Small shrub, latex white, sepal tube pink, base of petal tube white, turning pink toward apex, lips of petal tube yellow.
- 24406 Treefern, 9 ft. tall, riverbank
- 24407
Byrsonimia Treelet, 12 ft. tall, fls. yellow, frts. green, lower surface of leaves deep brown, upper surface glossy green. Second growth frost. alk. neg.
- 24408
Papilionac. Small herb, fls. yellow. Common, open patch. alk. neg.
- 24410 Inga. Tree, 15 ft. tall, fls. yellow. Second growth
- 24411
Rubiace. Treelet, 15 ft. tall, fls. white. Dark trop. rainforest. bark alk. pos., root alk. neg.
- 24412
Psychotria Small shrub, 2 ft. tall, frts. green, turning yellow when ripe. Common, dark tropical rainforest. Strongly alkaloid positive (bark, leaves, root)
- 24413
Rubiace Treelet, 15 ft. tall, fls. slightly pink, fl. buds glossy green. alk. neg
- 24414 Treelet, 15 ft tall, fls. white alk. neg
- 24415 Palm, climber, inflorescences green.
- 24416 Philodendron Climber, inflorescences green.

24417 *Loxeya acutifolia* Berg ex Tr. det Wurd.

24418 *Myrcia subsessilis* Berg. det McVaugh

24420 *Theobroma subuncinum* Mart.

24421 *Ocotea* *speciosa* Mart.

24426 *Pithecellobium*

Rudd

24428 *Malvaviscus arboreus* Cav. var. *longifolius* (Gussone)
Schery (fide Schery) Condit medicine for Hr. sev hrs

24417 Melast. Tree, 60 ft. tall, fl. buds yellow with deep pink top, stamens yellow, fls. showy. alk. neg.

24418 Eugenia Shrub, 3 ft. tall, fls. pink. Rocky river bank.

Mucic flowers & many Kerba pods. very strongly mucic. (Kaba wa - ka-nee-to)
24419 Treelet, 20 ft tall, fls. green. alk. strongly positive (L, B)

24420 Theobroma ?grandiflora fruit medium Tree, 25 ft. tall, fls. dark deep red. for some local - chard

Fruit covered with cork, Kerba
24421 Lauraceae Tree, 30 ft. tall, fls. green. alk. neg.

24422 Treefern, 3 ft. tall, wet creek.

24423 Treefern, 1 ft tall, on white sandy soil. "Kathiga" vegetation.

Oct. 16, 1966 ~~vicinity~~ vicinity of Mitu

24424 Treefern, 9 ft. tall, leaves 1 1/2 m. long, growing in close clumps. Common.

24425 Treelet, 15 ft. tall, fls. dull white.

24426 Bauhinia. Treelet, 12 ft. tall. Stamen column white at base, deep pink at tips.

24427 Bush, fruits green.

24428 Gossypium. Bush, flowers pale violet.

24429 *Pitcairnia vaupeana* L.B.Sm.

det Smith

24431 *Miconia Poeppigii* Tr.

det Kew

24429 *Poromeliad.* Epiphyte, fls. orange.

24430 ? *Faramia.* Shrub, fls. bright yellow, peduncle orange.

24431 *Melast.*

Tree; 60 ft. tall, trunk diam. at base ca. 25 cm. Fts. green.

- 24050 ~~Alchornea~~
- 24013 *Ficus* ~~cab~~ ^{gibba}
- 24043 *Pourouma acripicefolia* Mart. ^{det R.S.}
- 24019 *Ischnosiphon obliquicaulis* (Poechl.) Koern. ^{det J. Soto}
- 24017 *Cordia Klugii* Killip (?) ^{det R.S.S.}
- 24003 *Herrania nitida* (Poechl.) R.E. Schult. ^{Poeyl.}
- 24011 *Palicourea macrophylla* (HBK.) Standl. ^{det R.S.S.}
- 24009 *Clusia globosa* Laguerre ^{det R.S.S.}
- 24008 *Vismia angusta* Miq. ^{det R.S.S.}
- 24010 *Ficus glabrata* HBK. var. *obtusata* Breg. ^{det R.S.S.}
- 24012 *Pouroumeba sericea* Tul. ^{det R.S.S.}
- 24000 *Herba brasiliensis* (Willd.) ~~Anders~~ A. de Juss. (Muel.) ^{Arg} ^{det R.S.S.}
- 24001 " " " " " ^{det R.S.S.}
- 24002 *Isertia hypoleuca* Benth. ^{det R.S.S.}
- 24018 *Piper Hostmannianum* (Miq.) C. DC. ^{det R.S.S.}
- 24020 *Palicourea condensata* Standl. ^{det R.S.S.}
- 24021 *Cecropia sciadophylla* Mart. ^{det R.S.S.}
- 24023 *Psychotria* [similar to *Hartwegiana* but not?] ^{det R.S.S.}
- 24096 *Maracourecia coccinea* (Vahl) Killip ^{det R.S.S.}
- 24077 *Cymbopetalum* sp. ??? *Stemodia* sp. ??? ^{det R.S.S.}
- 24078 *Smilax aequatorialis* A. DC. ^{det R.S.S.}
- 24082 *Pouroumeba sericea* Tul. ^{det R.S.S.}
- 24080 *Alchornea cordata* (Juss.) Muel. - Arg. ^{det R.S.S.}
- 24085 *Acanthospermum* sp. ^{det R.S.S.}
- 24090 *Bonania tetraastachya* (HBK.) Miq. ^{det Romero}
- 24076 *Ficus fageifolia* Miq. ^{det R.S.S.}
- 24027 *Pouroumeba sericea* Tul. ^{det R.S.S.}
- 24026 *Solanum liliamitante* R.E. Schult. ^{det R.S.S.}
- 24071 *Isertia hypoleuca* Benth. ^{det R.S.S.}
- 24039 *Urospatha sagittifolia* (Rothsch.) Schott ^{det R.S.S.}
- Baunfilicia mertensiana*
Christenafi

3777

S. stramonifolium Tuk. et opaca. Piracirara, R. Costaneda 27, nov. 1952. Comestible

 " " Kubato cebuia Cich. Jurupari G.B. 14946 Oct 24-26-1952

 " " RES Mach Pazzo Kurupata mai-ya-vec 12586 June 17, 1951.

 " " +Cav. Rio Porapereina H.G.B. 14256 Aug. 28-31, 1952.

 " " RES 5883 La Pasa. Apr. 1949

Duque Jaranello 2174

 " " *Solanum mollanum* Britton.

 " " Leule de arbol

UNIVERSIDAD NACIONAL
INSTITUTO DE CIENCIAS NATURALES
(DEPTO. DE BIOLOGIA)

El Director del Instituto de Ciencias Naturales (Depto. de Biología), atentamente se permite invitar a los Profesores, Instructores y Monitores a una reunión que se llevará a cabo en el salón de Lectura de la Biblioteca, el día viernes 9 de Septiembre a las 11 a.m., para escuchar la exposición del Dr. HERNANDO ORDOÑEZ, sobre la Organización de la Sociedad de Biología de Bogotá y los programas actuales de la misma.

Se anticipan agradecimientos por la atención que se sirvan prestar.

Bogotá, Septiembre de 1966. -

LA DIRECCION

/edem. -

See Costus
S. ~~4095~~ 4095

alk-neg.

24107 coll.? Ormosia amaz. venenifera

24108 Brachyloca ident? coll?
S+R.

Try to be
Lobelia sp.
Ficus
24114

with
with
with

Groffeneda rupestris Ducke ~~and~~ Reitzi in
S. & C. 14566 Papuasia 25/11/51. Ser # 24381 Columbia?

Quatteria dura H. & P. S. & C. 15479 Nagasaki. Feb 18/52
Ser # 24341

Byssonima papuensis var. silvatica Curtis.
S. & C. 13539, etc see Webbia 13 pp 393-669.

Urolacarina (Berth) W. & B. Ser # 24253
S. & C. 14987 Soratama "latex at first colorless,
latex white. Parasitism = na - tzi - ne - me"
S. & C. 13532 Soratama Jan 28/52
"Pinnule = chee - van' Infusion gl. & bark
taken for "carate" " 16 Aug 1951.
A. Fern. ²²⁴³ Monchial, R. Druce Feb. 11/53
"semillas verdes con ailo roja usada
para pescar".

Water plants of Col.

Coccoloba rigida

13739 HCB Guayaquil Nov. 25/51 "Quirama"
13909 " Sotomayor Dec 1-15/51. "Balsa"

C. utilis

A Fern. 2176 Iwirika, Rancho Alto o Mariaguani
"pendulata" Feb 3/53

S+L. 9467 Cavi
9486 "

Hancornia speciosa

S 5859A Cerro Caracas March 1949.

Lucmella arborescens

Cuata. 15626 10-21 dec 1943.

Volle wa Laguna Rio Sangre de Torcaes

(This is called sorvendo in Brazil - is it used?)

L. edulis

HCB + R.J. Nees 17107 Macaracas (used?)

L. floribunda "Tachuelo"

R. Cast. 4709 Barranconera Guantánamo 26 agosto 1959.

" 6287 Ciudad - entre R. Tiliupo + sedentatol 21 June 1957

" 4752 same as 4709 Aug 28/54

" 1655 Bolivar, Palotal May 14/49.

Haupt 487c Ant. Mulatos. June 11, 1946.

L. panamensis

Kellip + Cuata. 39155 Ciudad Quebrada Tozoromá
June 13/44.

R. Cast. 5493 Nov 23/55 Marina, Iscuandé

" 5414 Oct 18/55 " "Carmutillo"
San de Tameso.

Parahancornia Kruckovii Monachini

S+C. 12660 Sotomayor June 18 1951. Puumore = cat.

Thevetia peruviana "Cobalonga" "caucho"

used? send task for coll. list.



Hevea n. det. in Hb. Col. Oct 1966 Det. P.S.S.

- RES 5872a La Pedrera, above Angostura Apr. 5/44
H. pauciflora var. *cost.*
- RES 6354 Llor. R. Oct. 1944 *H. brasili.*
- RES 5864 Cerro La Pedrera Apr 3, 1944 *H. nitida*
- RES 6573 Hondonato Quebrada Pamatú, Trop. Sept 1945
H. pauciflora var. *cost.*
- RES 5732 Cerro Castillo July 27, 1943. Far up 700-900 ft slopes.
H. guianensis var. *lutea*
- RES 5751 La Tarisná Feb 1944 *H. guian.* var. *lutea*
- RES 8122 Rio Cotubí, Buenos Aires. Sept 1946 *H. guian.* var. *lutea*
- H. Barclay 4759 Rio Put. below Pt. Gona. 7-30-57. *H. guianensis*
- HGB Cerro Sabukuni Nov 29-30, 1951 *H. nitida* var. *lutea*
- HGB, RES, Blohm 15849 Yabodohá *H. nitida* var. *tox.*
- HGB 14691 La Pedrera Oct 1-4/52. *H. Benth.*
- HGB, RES, Blohm 15831 Yabodohá *H. nitida* var. *tox.*

Micropteryx angustifolia Spr. ex Bth. S. & L. 10125 Rio Guainia
Rio Naguena
Cerro Monechi
June 1948

Cyperandra suberosa Britton

S 3652 Com. pr. 2-5 April 42 "Low fr + lign. part black"



Observaciones:

.....

.....

Foto tomada en:

.....

.....

Fecha:

Tomada por:

Negativo depositado en:

Diapositivo depositado en:

.....

.....

.....



Solanum stramineifolium Jacq.

- RES. 5883 hc Pedernales Apr 1944
HGB 14256 Rio Pinar Aug 28-31/52
S+C 12586 Mouth Paoa 17 June 1951
Cueti. 6769 Mtu 13-18-39
HGB 14946 Yampou Oct 27, 1952
R. C. 3777 Purucuro, Veraguas 27 Nov. 1952. Taken at Paoa
~~HGB~~

Comptosia Sprucei (A. DC) Wats.

- S+C 13105 R. Kinsman July 25/51.
13618 Sorotame Aug 26/51
13376 Jubik. Aug 4/51
12771 Sorotame June 21/51
HGB 14398 Jimigaja Sep 1952

Comptosia capitellata (A. DC) Wats.

S+C 15107 Sorotame June 31/52 - Root pruned

Comptosia acutis (A. DC) Wats.

- S. Baker + E. 18618 San Felipe Oct 25/52.
S+C 19379 Osuna - bel - a - puo - nee spotted May 14-24,
Root pruned Nov. 1953.

Manihottella euneifolia Woodz. Sect 29-201

only 2 of the coll. Type from R. Pinar
S+C 17234
+ S+C 19377 from Yaticá

Prestonia Lindleyana Woods. Kumpis

4BK. 13999 Soratama Dec 1-15, 1951.
Romcost. 3927 Rio Paed.

Stylocnax from Kumpis

- S. cordilicoides. Cuete. 6744 Mita
RES 3829 Rio Karapenani
HGB, RES, Watson 5799 Kudingari
S. & C. 18416 Mita
" 18423 "
" 18408 "
Cuete. 6904 Mita, Mita
- S. Peckii D. H. Robinson. ¹⁴⁶⁶ HGB Soratama.
RES + L. 9491 Rio Megea near Coai (Est)
- S. panamensis Sprague + Sandw.
S. & C. 12840 Soratama.
S. + Peck 8447 Loretojan Oct 1946
S. & C. 13084 Mouth Pacon Tik. orig' - we
{ Cuete 7033A Caruni.
7033 "
- S. Mitscherlichii var. pubescentior Sandw.
R. Schomb.
S. & C. 14701 Yapoboda.
- S. Mitscherlichii S. & B. 8388 Loreto. Sept 1946.
- S. javanensis Kruck. S. + B. 8401 Loreto. Oct 1946.
- S. jobertiana Bailon S. 3523 Kofon ir-re-cher. Curro-reb.
Apr 2-5/42 Quebras Cenejo
- S. brachiata R. + P. S. 3602 Kofon se-hé-ja. Rest = curro.
Santa Rosa 7-8 of rect 2.
- S. Erichsonii R. Schomb. S. & C. 16770 Mak^u = wa - oo - kee - ma - ma
Jungoje
HGB 14041 Soratama
S & C 12644 Soratama
HGB 17242 Jungoje
S. & C 15653 R. Popogabed.
HGB 14850 La Rivera Karipia erequi
HGB 14222 Rio Parap. Makuna cult
S & C 17021 Mekar = keo - ee - et' Jungoje
S 3524 Cenejo Kofon - ir - re - cher
gard to be stronger than 3523
acurro. 2-5 Apr. 42

Fernsd. 2252 Rauwolfia pachyphylla Mgf. R. Duida Feb. 13/53.

RES. 6677 Rhipidia amazonica Mgf. Loret. Oct 1945

Centr. 7169 Tabernaemontana amygdalifolia Jacq. Ceraisia 9-X-39

RCentasia 3434 " jalustus Mgf. Villa Fatima 13 Nov. 1952

" 3438 " " Rio Yi 1-12 Dec. 1952

S Bak. Cal. 17983 " rutila Hook. n. sp. San Felipe Oct 25/52

~~Fernsd.~~ R. Cent. 3730 " rubro-striata Mart. R. Pajany Santa Teresita 25 Nov 1952

Centr. 6759 " " " Mita 13-X-39

S ZC. 19618 " undulata Wood. Sorotama Jan 1952

Delabon 4719 Tabernaemontana ~~articulata~~ ^{articulata (Vahl) Woot.} 9 Oct 1961 - det 228 det +

Delabon + S. 718 Hemitanthus ~~bracteata~~ ^{bracteata (L.) Woot.} "Platanok" S. Jvanbreme Dec 5-20/1950

SAC. 17098 " bracteata (L.) Woot. Muk. = a-na-ree "muck of Barasau - a-na-da-gö "muck"

Purupar. Na kee-garkie Rd. 30/8/52.

HGB 14285 " " Rio Pemp. ag. 28-31/52

14227 " " Jucogofi ag 25-26/52

S ZC. 13066 Malouetia purpurea Spr. Mouth Paeoa July 18/51

" 17065 " " Puni. pum-ka!

Pura p. 28/8/52

S ZC 18417 " Tamaguarina Near Mita 17/11/52

S ZC 14170 " " Japoboda Puni, pim ka, kub. yau-wa-

HGB, RES. + H B C. 15750 " " Karduyari haw-ka-kee.

" ~~14170~~ Galactophora crassifolia (H. A.) Wood. June 25/58. Oct 1951

S ZC. 14207 " " Japoboda June 25/58.

S ZC 12968 " " Jrijonin July 7/51 Oct 1951

HGB; RES, H B C. 16037 " " Gurenjuda June 30, 1958.

S + C. 16236 Eugenia florida DC. Nakura oo-ko. Apr. 24/52 Quecaya

" 16596 " " Jucogofi June 5/52

" 16267 " " Quecaya Apr. 24/52

R/E 6083 + G/12 Malaita Tamoguarini forest. Sept-Nov 1947
 6034
 Family P. 6865 " " alt. + + Cuchara Kasigi 1947
 1969

- S2C 14013 *Mandevilla annularifolia* Woods. n. sp.
 Jujima 16 Sep 1951.
 S&C 17536 " " Purapur. Sept 18/52
 HGB + BSS. 14144 *M. caerulea* Nyl. Arancuon. Dec 21/51
 S.+C. 17234 17234 *M. cuneifolia* Woods n. sp. Savanna C Kos-me-gor
 Purapur. Sept 16/1952
 S2C 19377 " " Yticia May 14-24/53
 HGB 13750 " *lanceifolia* Woods. Jujima Nov. 1951
 BSS 5442 " *nerioides* Woods, Enebigute. Nov 15-16/43
 BSS 5611 " " " July 1943
 { B+C 14010 " *stephanoidifolia* Woods n. sp. Jujima 16 Sep 1951
 { 14952 " " " Jan 21/52
 S.+C. 18325 " *subcarnea* (Benth) Woods. R. Kubigi Cerro Karandi
 Nov. 10/52.
 S2C 19135 " " Rio Karuri - "Goo-ras - mo'da" Apr 15-16/1951.
 Cuatr. 7001 " *subspicata* Purapur 25-IX-1939
 R. Cast. 1268 " *symphitocarpa* (C.F.W. Meyer) Woods. "V. 1951"
 Nov. 25/48
 S2C. 14508 " *thevetioides* Woods n. sp. Dubukuri 29/10/1951
 { " 15393 " *vanheurckii* (M. A.) Hoff. Gajacapi Feb 16/52.
 { " 14068 " " Jujima Sept 16/51.
 S.+C. 15687 *Mesochlora trifida* (Jacq) M. A.
 Makua mee-rat'-men-gau Jurogoje - Feb 27/52
 S.+L. 9319 *Odontadenia cognata* (Salomon) Woods. S' Felaja Dec 12/47
 Cuatr. 6967 " *fungosa* Woods. Yurupari 24-IX-39
 Cuatr. 6868 " *neglecta* Woods. Mita 17-IX-39
 " 6924 " " entre Minit + Mita 20-IX-39
 S.+C. 19669 " " Arcasia Nov. 1951
 Ulubi 2914 " " Mita. Jan 27/57
 S.+C. 17857 " " Kueyari Oct 16/52
 " 17327 " " Purapur. Mak-o-hai-ke-mee-see-uu
 " 14025 " " Cerro Teemera Sept 9/52
 Jujima Sept 16/51
 HGB BSS 13 *O. punctulosa* (A. Rich.) Pele Dubukuri Nov 1951.
 S2C 12666 " *sylvestris* (A. DC.) M. A. Soratana June 18/51
 " 13718 " " " 24 Aug. 51
 S2C 12660 *Parakancornia Krukovi* Mon. Pururee = aat Soratana
 June 18/51
 S2C 13999 *Prestonia lundleyana* Woods. Soratana Dec 1-15/51.

Schult. + Cabr. 12501 *Retimphegulum concolor*
Schult. 6895 *Coume citingae* Juansosa de var. vol
Int. of trajecis Oct. 1945.

~~Schult. 6594. Loretoyaca. Oct. 1945 Bonafousi tetrastrachya~~
~~Fernandez-P. 6867 Aug 19/1964 Saucos. Aek +++. Bon. tetrastrachya~~

Schult + Black 8296 Sept. 1946 Loreto. Tabernaemontana tetrastrachya
was then accepted Tabernaemontana ~~HBK f. aff.~~ =
B tetrastrachya (HBK) MSB.

Jarobo 4692 Oct 8/61 Aek pos. B. tetrastrachya
"aji del monte".
"querumo".

Nov 1951

Garc. B. 13739 *Jeniperus communis rigida* *habetocasticus*
"querumo".

G. B 13909 Sorotama *C. rigida* "Baha"

S. + H. 9467 *C. nitida* R. Negro Coani Dec 27/1947 "pendarito"
9486 " " " " " " " " " " " "

S + C. 19381 *Galactophora cressifolia* (Muell - Arg.) Woodson

SBG 14060 " " " *Jupium* Yutici May 14-24/53
Sept 16/51.

HG. B 13752 " " " " " " " " " " " "

HBK et BSB. 14149 " " *Ardisia* Dec 21/51.

RES 5735 *Himatanthus articulata* (Vahl) Woznia. Churibiquete Jan 18,
HBG 14127 " " Sorotama Dec 1951. 1949

Gut. + RES 799 " " *Miraplex* Feb 1944

RES. 5859A *Houssouia speciosa* Gomez. Cero Cerezo March 1944

RES 5738 *Himatanthus bracteata* (A DC) Woods Churibiquete Jan 18/1949

RES 5814 " " R. Vozquez Cero Paen. "Plataneti" Mar. 6/44.

RES + Black 8562 " *phagedaenica* (Mart.) Wood. Loreto. R. Oct 1946.

RES 6824 " *Succuba* (Spr) woods. Oct 1945.

S + C. 13991 *Macropharynx strigillosa* woods. Sorotama. Sept 15/51.
~~SBG~~

Custi 7285 *Malouita Cuatrecasasii* Woods. 20-X-39 Nitel

Custi. 6898 *Malouina purpurea* Sp. Uania 18-X-39

Oliver 2903 " " Jan. 27/57 Nitel

S & C. 14152 " *jubescens* Mg. Cero Comodita, Parap. March 9/52.

Custi 7107 " *Schomburgkii* Muell Arg. Kanemeri 1-X-1939.

S. + C. 12525 " *Tanaguaria* Sorotama June 16/51

12635 " " " June 17/51

16170 " " " Apr 7/52

13021 " " " 10 July 51

15103 " " " Cero Churico Jan 31/52

Custi 6781 " " " Nitel 13-IX-39

Bramiff 9777 Link Sat 6:15

\$ 219

Av. 41

Sun. 10:00AM



Colección R.E.Schultes
en COL, solamente con el
Nº ;

Nº 22400 a 22493

22500 a 22532

22533 a 22599

22600 a 22699

22701 a 22718



FERNANDO ^{Vallejo} 53 - 06.

"VOLUMENES Y FORMULAS"	TABLA DE MULTIPLICAR			
1 Prismo	2 X 1 - 2	3 X 1 - 3	4 X 1 - 4	5 X 1 - 5
2 Pirámide	2 X 2 - 4	3 X 2 - 6	4 X 2 - 8	5 X 2 - 10
3 Cono recta truncado de bases paralelas	2 X 3 - 6	3 X 3 - 9	4 X 3 - 12	5 X 3 - 15
4 Cubo	2 X 4 - 8	3 X 4 - 12	4 X 4 - 16	5 X 4 - 20
5 Cilindro recto truncado	2 X 5 - 10	3 X 5 - 15	4 X 5 - 20	5 X 5 - 25
6 Cono de revolución recta	2 X 6 - 12	3 X 6 - 18	4 X 6 - 24	5 X 6 - 30
7 Pirámide truncada de bases paralelas	2 X 7 - 14	3 X 7 - 21	4 X 7 - 28	5 X 7 - 35
8 Cilindro de revolución recto	2 X 8 - 16	3 X 8 - 24	4 X 8 - 32	5 X 8 - 40
9 Esfera	2 X 9 - 18	3 X 9 - 27	4 X 9 - 36	5 X 9 - 45
10 Cilindro oblicuo de bases paralelas	6 X 1 - 6	7 X 1 - 7	8 X 1 - 8	9 X 1 - 9
11 Sector esférico	6 X 2 - 12	7 X 2 - 14	8 X 2 - 16	9 X 2 - 18
12 Prisma triangular truncado	6 X 3 - 18	7 X 3 - 21	8 X 3 - 24	9 X 3 - 27
13 Paraboloide de revolución	6 X 4 - 24	7 X 4 - 28	8 X 4 - 32	9 X 4 - 36
14 Tora circular o anillo	6 X 5 - 30	7 X 5 - 35	8 X 5 - 40	9 X 5 - 45
15 Zona esférica	6 X 6 - 36	7 X 6 - 42	8 X 6 - 48	9 X 6 - 54
16 Tonal de Sección circular	6 X 7 - 42	7 X 7 - 49	8 X 7 - 56	9 X 7 - 63
	6 X 8 - 48	7 X 8 - 56	8 X 8 - 64	9 X 8 - 72
	6 X 9 - 54	7 X 9 - 63	8 X 9 - 72	9 X 9 - 81

EQUIVALENCIA DE PESOS Y MEDIDAS

LONGITUD		PESO	
Cm.	— 0,3937	Pulgadas	— 15,432 Granos
Metro — 100 Cms.	— 39,37	Pulgadas	— 0,03527 Onza
Metro	— 3,28	Pies	— 2,2046 Lbs.
Metro	— 1,0936	Yardas	— 2,2046 Lbs.
Metro	— 1,25	Varas	— 2,2046 Lbs.
Km.	— 1,000 Ms.	Millas	— 0,6648 Gramo
Pulgada	— 2,54	Cms.	— 28,35 Gramos
Pie — 12 Pulgds.	— 30,48	Cms.	— 453,6 Gramos
Yarda — 3 Pies	— 91,44	Cms.	— 907,18 Kg.
Milla — 1,760 Yds.	— 1,609,35	Metros	— 2,240 Lbs. — 1,016,05 Kgs
Milla Náutica	— 1,852	Metros	— 437,5 Gramos
Vara	— 80	Cms.	— 480 Gramos
Cuadra — 100 Varas	— 80	Metros	— 11,34 Kgs
			— 45,359 Kgs.

SUPERFICIE

Cm ²	— 0,155	Pulg. Cuad.	— 2,2046 Lbs.
M ²	— 10,764	Pies Cuads.	— 2,2046 Lbs.
M ²	— 1,196	Yds. Cuads.	— 2,2046 Lbs.
M ²	— 1,5625	Varas Cuads.	— 2,2046 Lbs.
Hectárea - 10.000 Ms ²	— 2,4710	Acres	— 2,2046 Lbs.
Hectárea	— 1,5625	Plazas*	— 2,2046 Lbs.
Km ²	— 0,386	Millas Cuad.	— 2,2046 Lbs.
Pulg. Cuad	— 6,452	Cms ²	— 2,2046 Lbs.
Pie Cuad.	— 0,0929	M ²	— 2,2046 Lbs.
Yarda Cuad.	— 0,8361	M ²	— 2,2046 Lbs.
Acro	— 0,4047	Hectárea	— 2,2046 Lbs.
Milla Cuad.	— 2,59	Kms ²	— 2,2046 Lbs.
Vara Cuad.	— 0,64	M ²	— 2,2046 Lbs.
Plaza	— 6,400	Ms ²	— 2,2046 Lbs.

* También Cuadras

CAPACIDAD

Litro - 1.000 Cms. ³	— 0,264	Gal. Americano
Litro	— 0,220	Gal. Inglés
Litro	— 1,389	Botellas.
Onza Flúida	— 29,57	Cms. ³
Galón Inglés	— 227,420	Pulg. Cúb. - 4,546 Lts.
Galón Americano	— 231	Pulg. Cúb. - 3,7853 Lts.
Botella - 720 Cms. ³	— 0,72	Litro
Botella	— 23,36	Onzas Flúidas

VOLUMEN

Cm ³	— 0,06102	Pulg. Cúbica
M ³ 1.000 000 Cms. ³	— 35,3145	Pies Cúbicos
M ³	— 1,308	Yds. Cúbicas
Pulgada Cúbica	— 16,387	Cms. ³
Pie Cúbico	— 0,0283	M ³
Yarda Cúbica	— 0,765	M ³

TEMPERATURA

Grados Centígrados	(Fº - 32) 5/9
Grados Fahrenheit	9/5 Cº + 32
Grados Centígrados	5/4 Grados Reaumur
Grados Reaumur	4/5 Cº