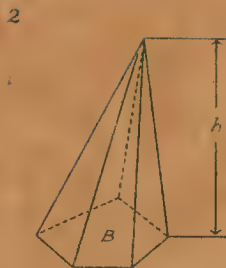
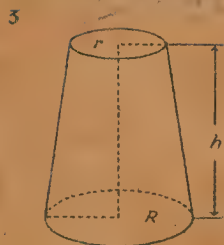


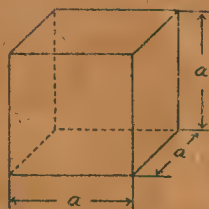
$$V = B \cdot h$$



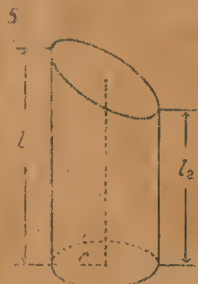
$$V = \frac{1}{3} B \cdot h$$



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



$$V = a^3$$

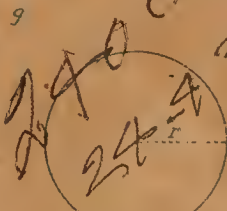


$$V = \pi r^2 \frac{L + L_2}{2}$$



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

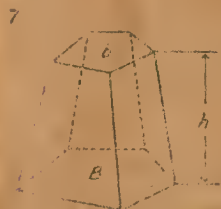
N OPTICA



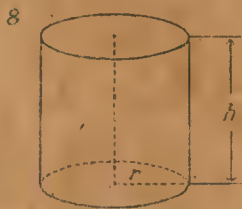
$$V = \frac{4}{3} \pi r^3$$



$$V = F \cdot L$$



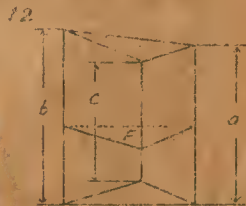
$$V = \frac{1}{2} h (B + b)$$



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



11



12

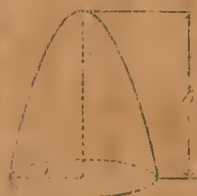
$$V = \frac{1}{3} (a + b + c) F$$

COL

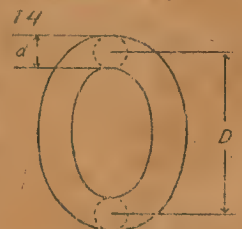
24000 -
24428

CUADERNO DE:

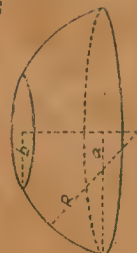
PERTENECE A:



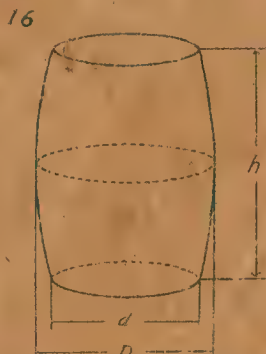
$$V = \frac{1}{2} \pi r^2 h$$



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



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



16

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



Plantas medicinales

Eugenio Arias Alzate (1965) Ed. 1

Ed. Bedint

~~Plantas + By 74.30~~

gas 150

~~pirarucú 25~~

food at

~~micina 115~~

gasoline 100

gasoline 200

~~bananas 2~~

~~Marcelino 100~~

~~Carota 60~~

Bay 60

Romaldo 2 1/2 75

Bay 1/2 15

~~st. 12~~

~~cap. micina 50~~

~~Egg 10~~

~~Marcelino 75~~

~~3 boys today 75~~

~~Sept. 17 micina 26~~

Callento

15

plantas 72.20

gas 229.00

gas 75.00 etc.

gas 4.00

gas 21.00

gas 10.00

Bank 6.00

Oct 12 Baya 4.00
 Oct 13 Baya 20.00
 Expenses 218.65

towelling \$ 20.00

Sept 23 lunch 4.50
food 47.00

Sept 24. Baggage Payrol 40
Bus 40
Taxi 14

Sept. 25 Taxi 32
Dinner 102
Sweets 30
Tickets (prints) 20

Sept 26 Taxi 14

Sept. 27
Taxi 6.00

Sept. 28 Joan 882.00
Taxi 27.50

Sept 29 Hotel - 1046.50
cigarettes 300.00
Wash 80.00
tip hotel 15.00

Edre Ortiz, Mich.

Esther de Molina

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

To lunch

Lilo Linke

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

Oct 2 Jorua — 20.
Rum — 32.00
Oct 3 Food for tip 290.00
Oct 5 Jorua 1 lb 20.
Cid etc 15.50
Tido Vargas 507.00
Came 20.00
Spices plants 72.20
Oct 8 Food for tip 229.00
Squash 75.00 etc.
Cid 4.00
Jorua 21.00
Oct 9 Jorua 10.00
Basket for Jorua 6.00

Oct 10 Greens 15.00
Spices 20.00
Basket for tip 5.00

Oct 11 Flour 11.00
Scrip 10.00

Oct 12 Bora 4.00

Oct 13 Jorua 20.00
Spices plants 218.65

towelings \$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
Snacks 30
Tickets (prints) 20

Sept 26 Taxi 14

Sept. 27
Taxi 6.00

Padre Ortiz, Alitá.

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

[The page contains extremely faint, illegible text, likely bleed-through from the reverse side of the page. The text is too light to transcribe accurately.]

July 2nd 1888

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

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

Colombia Schultes, Rafferty, Fernald, Scajasta
Sept 10 - 11, 1961

Leticia, Amazonas, Colombia 1961
Aug. 23-25

- col. 24000 Hemiphanes. Tree 22 yrs. old.
Planted to RES in 1944. Lvs. somewhat deep
green each side, darker above. Bark 4-6 in. diam.
with sand. Flowers purple, yellow stamens
thick white. Ht. 70 ft.
- col. 24001 Hemiphanes. Tree 22 yrs. old.
1944. Lvs. somewhat deep green each side. Bark
white. Flowers purple. Stamens yellow, green
anthers. Ht. 70 ft.
- col. 24002 Dactyloctenium. Tree 50 ft. area, 10
ft. diam. Lvs. white to pink. Bark
alk. Pos.
- col. 24003 Hemiphanes. Tree 20 ft. Bark
4 in. diam. Fl. red, stamens white upper
1/2. Fr. green, also purple. ATK, Neg.
- col. 24004 Solig. in ac. growth.
- col. 24005 Solanum. Tree 45 ft. Fl. purple. Lvs. 7
in. diam. Bark 4 in. diam. Luis de Perro
ATK. Doubtful
- 24006 Grass. Base. See growth. (1)
- Orthoclada laxa**
- 24007 Grass. Base. See growth. (1)
- Homolepis aturensis**

- 24008 *Vismia angusta* Miq. det RES.
- 24009 ~~*Clusia globosa* Mez~~ ^{det RES.}
Decaphalarjium peruvianum Melchior det. Stevens
- 24010 *Ficus glabrata* (HBK.) var. *stenula* Dugand det RES
- 24011 *Palaicourea macrophylla* (HBK.) Standl. det RES
- 24012 *Poureaqueiba sericea* Tul. det RES.
- 24013 *Ficus caballeria* 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

- 24008 Vernonia ^{tree vine} flowers white-green Sap ^{white} Tree Sap
 ca. 50 ft. high. Trunk 7 in. diam. ^{at base}
 alk. Doubtful, orange sap.
- 24009 Clusia. Fl. fragrant, ^{white} white. Strongly water-venniferous alk. neg.
- 24010 Ficus arthursiana Sterile (?) Later ^{young} young straggler. Sap greenish. alk. Pos.
- 24011 Tree 30 ft. Psychotria? Fl. ^{white} pinkish purple
 ca. very fleshy. See growth. alk. Pos. ✓
- 24012 Pouteria ? ^{tree} Fl. yellow. Sap ^{white} white. 25
 ca. 20 ft. alk. neg.
- 24013 Ficus. Fr. caulifl. Latex abundant, white.
 ca. alk. neg. - doubtful
- 24014 Clusia. Straggler, Fl. white, ^{fragrant} fragrant; ^{fruit} fruit ^{white} white. Latex white.
- 24015 Suriana. Fr. yellow-green. ^{fruit} fruit ^{white} white. Bark
 5 x 5 in. Fl. orange. alk. neg.
- 24016 Tolyplocos. Fr. (1)
- 24017 Alseodaphne. Fl. yellow. ^{fruit} fruit ^{white} white.
- 24018 Piper. ^{fruit} fruit ^{white} white.
 ca. Pollen ^{white} white. Loc. for warts.
- 24019 Golconda ^{tree} Fl. yellow, ^{fruit} fruit ^{white} white. 25
 ca. 20 ft. alk. neg.

- 24020 *Palicourea condensata* Standl. det RES.
- 24021 *Cecropia sciadophylla* Mart. det RES.
- 24022 ~~*Strychnos jobertiana* Baill.~~ det RES
Strychnos cogens Benth. det 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 *Pourouma pencei* Tul. det RES.
- 24030 *Alloplectus semicordatus* P. et E. det RES.
- 24031 *Strychnos* *jobertiana* Baill. det RES.
- 24032 *Palicourea* *guianensis* Aubl. det RES.

Col 24020 *Pogonocherus*, *Tenebrionidae*, *Tenebrionidae*, *Tenebrionidae*
Pogonocherus *Tenebrionidae* *Tenebrionidae* *Tenebrionidae* 24020
ack. pos.

24021 *Ceuthorrhynchus*, *Stenobothrus* (?)

Col 24022 *Stenobothrus*, *Stenobothrus*, *Stenobothrus*, *Stenobothrus*
Stenobothrus (?) *Stenobothrus* (?) *Stenobothrus* (?) *Stenobothrus* (?)
ack. pos.

Col 24023 *Paraneura* (?) *Paraneura* (?) *Paraneura* (?) *Paraneura* (?)
Paraneura (?) *Paraneura* (?) *Paraneura* (?) *Paraneura* (?)
ack. pos.

Col 24024 *Solenophanes* ? *Solenophanes* ? *Solenophanes* ? *Solenophanes* ?
Solenophanes ? *Solenophanes* ? *Solenophanes* ? *Solenophanes* ?
ack. pos.

Col 24025 *Tellus*, *Tellus*, *Tellus*, *Tellus*, *Tellus*, *Tellus*, *Tellus*, *Tellus*
Tellus *Tellus* *Tellus* *Tellus* *Tellus* *Tellus* *Tellus* *Tellus*

Col 24026 *Solenophanes*, *Solenophanes*, *Solenophanes*, *Solenophanes*, *Solenophanes*
Solenophanes *Solenophanes* *Solenophanes* *Solenophanes* *Solenophanes*

Col 24027 *Stenobothrus*, *Stenobothrus*, *Stenobothrus*, *Stenobothrus*, *Stenobothrus*
Stenobothrus *Stenobothrus* *Stenobothrus* *Stenobothrus* *Stenobothrus*

24028 *Stenobothrus*, *Stenobothrus*, *Stenobothrus*, *Stenobothrus*, *Stenobothrus*
Stenobothrus *Stenobothrus* *Stenobothrus* *Stenobothrus* *Stenobothrus*

Col 24029 *Stenobothrus*, *Stenobothrus*, *Stenobothrus*, *Stenobothrus*, *Stenobothrus*
Stenobothrus *Stenobothrus* *Stenobothrus* *Stenobothrus* *Stenobothrus*

Col 24030 *Stenobothrus*, *Stenobothrus*, *Stenobothrus*, *Stenobothrus*, *Stenobothrus*
Stenobothrus *Stenobothrus* *Stenobothrus* *Stenobothrus* *Stenobothrus*

Col 24031 *Stenobothrus*, *Stenobothrus*, *Stenobothrus*, *Stenobothrus*, *Stenobothrus*
Stenobothrus *Stenobothrus* *Stenobothrus* *Stenobothrus* *Stenobothrus*

Col 24032 *Stenobothrus*, *Stenobothrus*, *Stenobothrus*, *Stenobothrus*, *Stenobothrus*
Stenobothrus *Stenobothrus* *Stenobothrus* *Stenobothrus* *Stenobothrus*

Col 24033 *Stenobothrus*, *Stenobothrus*, *Stenobothrus*, *Stenobothrus*, *Stenobothrus*
Stenobothrus *Stenobothrus* *Stenobothrus* *Stenobothrus* *Stenobothrus*

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



24036 Solanum

24037. Anacardium occidentale Tikwa or sycamore peduncles det RBG.
to get liquor against flu. Tea f.

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

24039 Urospatha sagittifolium (Rodesch.) Schott det RBG.

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

24041 Isertia hypoleuca Benth. det RBG.

24042 Inga edulis Mart. det Ellis det Unbe

24043 Pourouma cecropiaefolia Mart. det RBG

24044 Victoria regia Lindl. det RBG

24045 Erythrina fusca Koiv. Rubel

24046 Sphenoclea zeylanica Gaertn. RBG

Col. 24002 *...*

Col. 24003 *...*

Col. 24004 *...*

Col. 24005 *...*
alk neg.
alk pos.

Col. 24006 *...*
alk pos.

Col. 24007 *...*
alk neg.

Col. 24008 *...*
Tea-Pans *...*

Col. 24009 *...*
alk neg.

Col. 24010 *...*
alk. doubtful

...
alk doubtful

Col. 24011 *...*
alk. pos.

Col. 24012 *...*
alk. sl. pos.?

- 24048 ~~Euphorbia~~ *Eretalaria nitens* HBK. Reed
- 24051 *Maieta guianensis* Aublet det Ward.
- 24052 *Adelobotrys marginata* Brade det Brade
- 24053 *Besleria ignea* Fritsch det RBG.
- 24054 *Dryopteris meniscoides* (Willd.) Oakes.
- 24055 *Pourouma sericea* Tul. det RBG.
- 24056 *Piper nigrum* L. det RBG.
- 24057 *Polypodium megalophyllum* Less. det. Small
- 24058 left with Urtica
- 24059 *Anthurium* sp.
not in Hb. Col.
- 24060 *Rapatea pilulosa* Aubl. det RBG.
- 24061 *Aechmea nidularioides* L. B. Sm det Smith

Col. 2402 Salvia collected 1951
upper yellowish ...
up to 1/4 ... Alk ...

Col. 2404 Salvia collected 1951

Col. 2405 Salvia collected 1951 H-50
Matacum rackon
P...? Was used of seed.

Col. 2406 Salvia collected 1951
→ ...

Col. 2403 Salvia collected 1951
Matacum rackon it is strong purgative

Col. 2408 Salvia collected 1951
Cust. ...

Col. 2407 Salvia collected 1951

Col. 2405 Salvia collected 1951

2408 Salvia collected 1951
... 74 ...

2409 Salvia collected 1951
...

2405 Salvia collected 1951 Was used with Macom alk neg.
... for people who don't control ...

2406 Salvia collected 1951

24066 *Mendoncia*

24067 *Rhynoria*

24069 *Eugenia patens* Poir. (E. "superia" in H. Peuv)

det McKay

24070 *Lepidocaryum tenue* Mart.

det RBES.

24071 *Matayga rostrata* (HBK.) Presl

det Merrill

24072 *Siparuna magnifica* Perk.

det RBES.

24073 *Passiflora nitida* HBK., Leticia and Silva + portulac

24074 ~~*Compocarpum Sprucei* (A. DC.) W. & A.~~

det RBES.

24076 *Ficus fagifolia* Miq.

det RBES.

24077 cf. *Caraiya*?

24077 *Cymbopetalum*
Stereocaulis

24078 *Smilax equatorialis* A. DC.

det RBES.

24002 Tree 5 ft tall

24003 Spine 7 ft tall

24004 Miguel ... all neg.

24005 Small tree ... neg ✓

24006 Mandorla ...
Fish poison

24007 Passiflora ... 24008

24008 Cynchona ...
Fl. white, all neg

24009 Smilax ...

Col. 24070 Asplenium ...
all neg.

Col. 24071 Tree 6 ft.

Col. 24072 Sporobolus ...
Indians say fruit toxic

Col. 24073 Passiflora ...
(H. lost)

Col. 24074 Vine ...

Col. 24075 Moss ...
all neg.

Col. 24076 Ficus ...

Col. 24077 Carum ...
all neg

Col. 24078

24079 NO. 7 IN H.P.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 ~~*Acanthoopermium?*~~ ~~*Strombosia sp.?*~~ det RES
Sida cordifolia L.

24086 *Cassia lucens* Vog.

24087 *Passiflora Killipiana* Cuatrecasas. (type RES 5875 to Pedicera) det RES.
Tikuna: tea of lvs. 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) A. Don det Warlow

24093 *Machaeranthera macrophyllum* Bth. Redd

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

24097 ~~*Nyctandra*~~ sp. *Verola* ^{*elongata*} ~~*cuneata*~~ (Bth.) Warb. det RES.

alb. pos.

Col. 2458 Small tree. Acacia sp. Fl. yellowish. Bark de cost. hoja de dolores alb. pos (slight)

2459 Pandanus? Fl. reddish, also white. (1) alb. pos.

Col. 2482 Pongamia? Tree 40 ft. Fl. white. alb. pos.

Col. 2483 Adiantum? Tree 20 ft. Fl. white. alb. neg.

2484 Piper bush.

Col. 2485 Calceolaria? Bush. Fl. pink.

Col. 2486 Cassia. Small tree, 30 ft. Fl. yellow.

Col. 2487 Pithecolobium? Vine. Fl. purple. Feb. 1934

Col. 2488 Passiflora? Vine. Fl. purple. alb. neg.

Col. 2489 Melastom. Tree 25 ft. Fl. purple.

Col. 2490 Apocynaceae. Sm. tree. Latex white. Fl. white. alb. pos.

2491 Piper. Bush. alb. neg.

Col. 2492 Melastom. Fru. to red. Tree 25 ft. alb. neg.

Col. 2493 Legume. Vine. Fl. white. alb. neg.

2494 Tree fern. Ht. 12 ft.

Col. 2495 Costus. Orange bracts. Fl. orange. 12-15 ft. alb. neg.

Col. 2496 Warcezewiczia Bract red. Fl. yellow. Sm. tree 15 ft. alb. neg.

Col. 2497 Linum? Ht. 2 ft. alb. neg.

24098 Solanum jamaicense Mill.

det R.S.

24099 Oryctanthus aff. botryostachys Eichl.

24100 Ficus caballina Standl.

det R.S.

24101 ~~in hb. Eichl.~~ Matricaria

24102 Belotia sp. (none in hb from Amazonas)

det R.S.

24105 Iryanthera ~~Ellis~~ peruviana Worb. ✓

det R.S.

24107 Ormosia n. sp.?

24108 Brumfelsia ^{graniflora var. Schultzei} maritima TYPE

det R.S.

Decapthalargium peruvianum Melchior det Stevens

24109 Cleome globosa Gregaria topotype

det R.S.

24110 Tabernaemontana Sananho R. + P.

Sida - peruviana, umbellata, calandrinia. Looked like Sida but umbellata calandrinia.

24111 Matisia cordata H. + B.

det R.S.

Taken at same place of fruit with Fouquieria in tea: menstrual problems

24112 Ficus Mathewsii Nig.

det R.S.

24113 Struthanthus cf. adenostemon (Eichl.) Killip

det R.S.

225. Col. 2402 *...* *...* alk. doubtful,
- Col. 2403 *...* *...*
- Col. 2404 *...* *...*
- Col. 2405 *...* *...*
- Col. 2406 *...* *...*
- Col. 2407 *...* *...*
- Col. 2408 *...* *...*
- Col. 2409 *...* *...*
- Col. 2410 *...* *...*
- Col. 2411 *...* *...*
- Col. 2412 *...* *...*
- Col. 2413 *...* *...*
- Col. 2414 *...* *...*

Schult. + Raffauf Soefarto
R. Loretoyacu. At mouth of river Sept 13-15, 1966.
amazonica Ducke var *venenifera* H.S.S. Type

- 24107 Ormosia "chocho" Tikuna - mu-mu-é-ka.
 Cal. Calyx brown, petals yellow. Bark grey-brown, fl. 5-6 ft.
 seeds very alkaloidal. lvs. big, only seeds.
- 24108 Broussaisia. Bush 12 ft. fl. white or purple. Poison to
 cattle. "Sanango" alk. very strong.
- 24109 Clusia Schombka. fl. all pink. Petals yellowish.
 Latex orange. alk. doubtful.
- 24110 Tabernaemontana Sanango. fl. white. Latex white.
 Small tree or large bush. Sanango Tikuna bark & lvs.
 palinogonous for tabernaemontana.
- 24111 M... ... alk. pos.
- 24112 Ficus ...
- 24113 M... ... 24114.

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
Pulverizer fish poison

24118 Genipa americana L. det RBG

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

24120 Clitoria cf. arborea Bth. Rubd

24121 Sanchezia thimophila Koenig { topotype, det RBG,
2nd coll! WBS. neg

24121a Nectandra globosa

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

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

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

Marsdenia subprofusca

Very toxic. Topical doge.

24126 Prestonia sp. (not in Hb. Col.) Delicia. Very toxic. Used to kill
doge.

24127 Eugenia sp.?

24128 Jussiaea leptocarpa Nutt. det RBG

24129 Sporoclea heterophylla L. det RBG

Ca. 24114 Ficus, Strangler. All parts

Ca. 24115 Pachira on vine. Tree 40 ft. Fl. light yellow, Fr.
green, yellow.

Ca. 24116 Melastoma. Fl. white. Parasitic on 24114. All parts

Ca. 24117 Melastoma, Tree 50 ft. Fl. greenish yellow, leaves dark
red. Wet forest at base of tree

Ca. 24118 Conocarpus, Sm. tree.

Ca. 24119 Conocarpus, Tree. Fl. white

Ca. 24120 Conocarpus sp. Fl. brown-purple. Seed att. pos.

Ca. 24121 Conocarpus sp. Fl. light purple. Bark + fruit orange red.

Ca. 24122 Conocarpus, Shrub 2 ft. Red

Ca. 24123 Conocarpus, Shrub 2 ft. Fl. light purple. Bark + fruit orange red.

Ca. 24124 Conocarpus sp. Fl. white. Bark + fruit orange red. Wet forest at base of tree

Ca. 24125 Conocarpus, Shrub 2 ft.

Ca. 24126 Aporosa sp. Scandent vine. Fl. brown-purple. Fr. white, all parts.

Ca. 24127 Myrtaceae. Fl. white. Shrub 15 ft. tall. On playa.

Ca. 24128 Conocarpus. Fl. yellow. Playa.

Ca. 24129 Sporobolus. Vine. Fl. purplish. Playa.

24130 Decranostylis ???

24131 Phyllanthus fluitans Bth.

det RES.

24132 Berria amazonica Killip

Rudol

24133 Crotava Benthemii Eichler

24135 Ormosia macrocalyx Ducke

Rudol

24136 Utricularia foliosa L.

det RES.

24137 Polygonum portoricense Berl. ex Small

24138 Datura suaveolens H. & B.

det RES.

24139 Duguetia ~~sp.~~ Spixiana Mart.

det RES

24140 Coussapea intermedia Mart. ex Miq.

det RES.

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

det RES.

24142 Macrolebium acaciaefolium (Bth) Bth.

Rudol

24143 Clusia amazonica Pl. + Tr.

det RES.

24145 Tabernaemontana tetraestachya HBK.

det RES.

24146 Eugenia inundata De

det Mon. my.

24147 Cecropia peltata L.

det RES.

Convolv.

- 24130 ~~Celastraceae~~? Vine. Fl. yellow, alk st. pos.
- 24131 Phyllanthus fluitans. Floating, alk, slightly pos.
- 24132 Dalbergia? Scandent shrub or tree. Fl. violet.
Bark formerly prot. pos. l, twigs st. pos.
- 24133 ~~Rubiaceae~~? Small tree. Fl. bracteol. green; long thin
intra purple, Cappadocian for twigs pos.; Bark neg
- 24134 Legume. Tree, 90 ft. Fl. brown - purple. Bark pos.
- 24135 Legume. Near Amara. Tree 80 ft. tall. Seeds all red.
all pos pos. up bark
- 24136 Lentibulariaceae. Floating. Fl. yellow. (1)
- 24137 Polygonum. Scandent, stems reddish, also brown
- 24138 Datura suaveolens. Fl. pendent, white. Bush.
alk. pos.
- 24139 Convolvaceae. Small tree. Fl. yellow, leafy. Bark pos.
lign. ulcers - bark, neg.
- 24140 Couroupoua. Large straggler. Fl. fr. orange - brown.
- 24141 Furcraea. Fl. large red. Common. Small treelet 12 ft.
- 24142 Legume. Furcraea group. Tree 60 ft. lvs. pointed
spotted on sides
- 24143 Clusia. Scandent epiphyte. Fl. orange - white.
- 24144 ? Scandent vine. Fl. brown.
- 24145 Tabernaemontana amara. Bush 6 ft. Fl. white.
- 24146 Myrtaceae. Common thick along banks. Fl. white
- 24147 Cecropia peltata. (1)

- 24148 Chrysophyllum auratum Mig. det RBG
- 24149 Croton glabellus L. det Fernandez
- 24150 ~~Cyrt~~ Chytronia tribrinata (Berg) Hieron
Eschweillera timbuchensis det RBG
- 24151 Cymbosema roseum Bth. Rudd
- 24153 Derris amazonica Killip Rudd
- 24154 Combretum frangulifolium HBK. det RBG
- 24155 Sphenoclea zeylanica Gaertn. Psk
- 24156 Crataeva tapia L. Tea q leaves stomachic Leticia det Romero
- 24160 not in H.C. Mucuna rostrata Bth. Rudd
The leaves give seed to put into food as
antidotes.
- 24163 Pterocarpus Rohrii Vahl Rudd
- 24164 Cyphomandra sp. NOT in H.C. det RBG
- 24165 Theobroma grandiflorum examined seeds in 22 for a det RBG

- Ce. 24148 *Sonchitaceae?* Fr. green. Lvs. white.
- Ce. 24149 ^{Cuscuta} *Passandra?* Fr. green. Sm. tree.
Witoba hirsuta crush lvs. poulitica infested cuts, same.
- Ce. 24150 *Leucythereum*. Tree, 50 ft. Fl. white-cream.
 Bark boiled to make hair wash against lice.
- Ce. 24151 Legume vine. Fl. red. Flowers put into tea to
 correct menstrual disorders.
- Ce. 24152 *Lauraceae*. Small tree. Fl. brownish. Ht. 12 ft.
- Ce. 24153 *Aalbergia?* Climber. Fl. purplish.
- Ce. 24154 *Combretum*. Vine. Fruit bright red. all neg.
- Ce. 24155 Borrachito. On playa. Dense. Fl. white. Cattle poison.
 same as 24076 all. doubtful
- Ce. 24156 Tree. Ht. 30 ft. Bark same as? *Wicetia* make
 of leaves for stomachic.
- Ce. 24157 *Faramca*. Scand. robust. Fl. yellow. V. orange. (1)
- Ce. 24158 *Flacourt?* Small tree, 30 ft. Fr. purplish brown. Fl. pale
 yellow.
- Ce. 24159 ? Tree. Ht. 45 ft. Fl. white.
- Ce. 24160 *Mucuna*. Large vine. Fl. bright scarlet.
- Ce. 24161 *Menasperma*? Sm. climber.
- Ce. 24162 *Viola*? Sm. tree. Fr. yellow.
- Ce. 24163 *...* Fr. yellow. Tree 5 ft.
- Ce. 24164 *...* 3 ft. Ht. white. *...*
- Ce. 24165 *...* Fr. pale brownish. 2 ft.

- 24166 Stychnos janurensis Sprague + Sanders. det P.E.S.
- 24167 Malouetia furfuracea Spr.
- 24168 Duroia genipoides Spr. det P.E.S.
- 24169 Iseia sp. (near but not I. lupuciana)
- 24170 Mabea nitida Benth. det P.E.S.
- 24171 Heterostemon nemissoides Desf. Thunb.
- 24173 Drya cf. longifolia (Chick) det W. L. C.
- 24174 Ocotea similans C. K. Allen det P.E.S.
- 24175 Ryania angustifolia (Turcz.) Mon. det P.E.S.
- 24176 Banara guianensis Aubl. det P.E.S.
- 24177 Qualea acuminata Spr. ex Warming det P.E.S.
- 24178 Peperomia macrostachya (Vahl) A. Dietr. var. nematostachya (Link) Tr. + Yunke. det P.E.S.
- 24179 Xylopia aromatica (Lam.) Mart. det P.E.S.
- Kubaan - fruits: ...

Vaupés Sept 27 - Oct 20, 1966

Vic. of Mita

Cl. 24166 Strychnos, Epit. vine, river edge, fl. greenish, white. Fruit green. Fr = alk, starchy +. BK + lvs. hairs = alk

Cl. 24167 Malvaceae Tournefortia, Small tree in water at river edge. Fl. white, lvs. white, alk. v. neg. BK. lvs. glabrous +

Cl. 24168 Derris Fr green. Tree 30 ft. Alk neg, Lvs. green

Cl. 24169 Vine, ^{Croton} Solanum Fl. greenish.

Cl. 24170 Panicum? ^{Croton} Tree 20 ft. Fl. white, alk neg. Kibros extract oil to prevent moldy bread loss.

Cl. 24171 Legume, Sm. tree, fl. purple, alk. Neg. Fl. formerly pulverized to scent chickens.

Cl. 24172 Bush fl. white, Hirtella?

24173 Inga. Small bush. Flowers white (1) alk neg.

Cl. 24174 Lamiaceae, Sm. tree, fl. yellow-green, lvs. hairy, alk + lvs. frosted powder added to coca for ceremonial use. (Slight)

Cl. 24175 ^{Flacourt} Flacourtia, Sm. tree, see growth. Fl. white, alk all neg. lvs. hairy doubtful

Cl. 24176 Flacourtia, Bushy tree on river bank. Fl. green-yellow, alk doubtful

Cl. 24177 Legume, Sm. tree, fl. white + pink, alk neg. Bark is a taenifuge water.

Cl. 24178 Lepanome, Hanging Epiphyte, alk neg.

Cl. 24179 Sm. tree, 20 ft. Conocarpus, fl. cream, not tested

Cl. 24180 Phyllanthus, Bush along river bank. alk neg.

24181 *Pithecellobium*

Benth

24182 ^{*Tridulia*} *Compsonura* sp. ? check

24184 *Arrebidea*

24185 *Oxytheca elegans* (A.D.C.) Gilley

det RBG

24186 *Eschweilera inaequisejala* Cuatr.

det RBG

24187 *Strychnos ronderletioides* Spr. ex Benth

det RBG

24188 *Miconia truncata* Tr.

det Warbuck

24190 *Myrciaria* (sent to McVaugh.)

24191 *Compsonura Sprucei* (A.D.C) Warb.

det RBG

24192 *Crudia Amazonica* Bth. Bark holes from *forficaria* of first generation.

RBG

24193 *Mangia* sp. not in Hb. C. G.

24194 ?

24195 *Palicourea guianensis* Aubl.

det RBG

24196 *Leandra rhodopigon* (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.

det RBG

Nahumadrachma ...
peias

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

Col. 24182 Small tree? alk. neg.

Col. 24183 Legume Sp. climbing tree. Fl. brownish red alk. neg.
Fruits said to be poisonous.

Col. 24184 Pigeon. Vine. Fl. cream-white. alk. Pos.
Kubecis make eye mark from latex.

Col. 24185 Sida acylon. Bushy tree. Fl. green-white. Bark, inner sep. white.

Col. 24186 Lecythidaceae. Fl. cream. Sm. tree. alk. neg. lft bk

Col. 24187 Styloban. Large vine. Fl. green.

24187a Eurima Sida. Bark with latex of Sonchid which is with seeds.

Col. 24188 Melastomaceae. Tree 9 m. Fl. pink & white.

24189 Small tree. Celastraceae?

Col. 24190 Myrtaceae. Small tree. Fl. white.

Col. 24191 Bush. Fl. white?

Col. 24192 Legume. Sm. tree. Osmunda? alk. neg.

Bark made into latex by cutting fruit poisonous.

Col. 24193 Climber. Oxycarpus? Persea not Clacaceae not neg.

Col. 24194 ? Sm. tree. Fl. pink.

Col. 24195 Tree 25 ft. Psychotria. Asa foetida dark yellow. alk. +.

Col. 24196 Melastom. Asa foetida dark yellow alk. +

Col. 24197 Alchornea? Isagodon, 100 ft. tall. alk. neg.

Col. 24198 Anacardium? Tournefortia, large tree. alk. fruit sb. Pos.
not Anacard.

Col. 24199 Mimosa? Leguminosae. Sm. tree. 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 (Harr. Bot. Mus. Lond. 16 p 18) in being less cor. + narrower, more leaves, etc.)

warm collection of leaves, releases fungal infection

24205 Piper cf. separabile Trel.

det RBG

24206 Clusia spathulifolia Engl.

det RBG

24207 Dilkea Passiflora Jurupia L.

Traces of fruit
greenish yellow
fleshy, red
pulp

24210 Paepalanthus fasciculatus (Ret.) Koern.

det RBG

24211 Nautileodyx sp.

Kubla U. San espinal
white plant

24212 Sarcostemma ? in H. G.

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

24214 Elaphoglossum Wagneri (Kze.) Moore

det Merrill

- Col. 24200 Wauracoe, Small tree, alk. neg.
 White Cactinea forest near ... Oct 1/6!
- Col. 24201 Mandevilla, Vine. Fl. yellow, Latex white, alk. pos.
 Said to be toxic.
- Col. 24202 Anthurium crasnanum. Spathe gray-purple
 Spathe purple. Tea of leaves used for fungal
 infection. ~~Hot~~ Warm decoct. of leaves ear wash for
 Fungus.
- Col. 24203 Rubiaceae, Tree 35-40 ft. Fruits bright red
 alk. neg.
- Col. 24204 Vanilla, Sterile Very aromatic. Spathe ...
 Sometimes 40-50 ft long. alk. neg.
- Col. 24205 Piper, Sterile Bush 6 ft,
 bark with nodules of 24207 bark bunched, confused
- Col. 24206 Plum, Tree 30 ft. Fruit light green, alk. neg.
- 24207 Passiflora, Sp. vine. Fl. white, stamens tan
 in the night yellow. N. sp? (1) Tea induces
 sleep.
- 24208 Sida, Ht. 5 ft. Fl. white, lips yellow. (1) To
 alk. neg.
- Col. 24209 Orchid Fl. yellow. Sp. Lips stippled brown.
- Col. 24210 Paspalum indigatum, Fl. heads white, alk. neg.
- Col. 24211 ... Fl. ... alk. pos.
 Bath for rheumatoid cramps - use used in the Col.
- Col. 24212 Asclepiad Vine. Lvs glossy above. Fl. white
 with orange spots.
- Col. 24213 ... Tree 30 ft. Fl. fragrant, white with purple
 red half of petals. Latex yellowish. alk. neg.
- Col. 24214 Fern, Fern. alk. neg.
- Col. 24215 Melastom, Fern. Spathe ...
 Pandanus remains, bark of ...

24216 *Declieuxia brevicollis* Z. B. Sm.

Smith

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

det RB.S.

24218 не в каталоге. *Cephaelis* ?

24220 *Billbergia macrolepis* HB Sm.

det Sm.

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

24225 *Alloplectus* semicordatus P. & E.

det RB.S.

24227 *Psychotria* aligenosa Sw.

det RB.S.

24228 *Solanum* verbanifolium L.

det RB.S.

24216. Bromel. Sp. Buds orange, fl. white. Lvs. brown spotted.
- 24217 Small tree. Rubiaceae. Fl pinkish white. ^{ack doubtful}
- 24218 Psychotria Ht. 2 ft. Fr green. - purple. ^{ack pos.}
- 24219 Schyzia. Lepidocarpus (1)
- 24220 Bromeliad Sp. Axi gray. Lvs green. (1)
- 24221 Tree fern. Lvs spreading. Ht. 3-4 ft. Lvs. 7 ft.
- 24222 Cephalaria. Buds red. Fl yellow. Ht. 6-8 ft. ^{ack pos}
- 24223 Rubiaceae. Small tree. Fl small. ^{ack pos}
- 24224 Tabernaemontana? Small tree. Fl white. Lvs ^{ack pos}
~~not in the coll.~~ white (1)
- 24225 Rubiaceae. Sp. Buds red. Fl white (1)
- 24226 Small tree. Fr green. ?
- 24227 Palicourea? Fr green. Small tree.
- 24228 Solanum. Ht. up to 3 ft. Fl. white. ^{ack pos.}
 Lvs. asperous, can be + sticky.
- 24229 Tree fern. Ht. 6-7 ft. Lvs. 7 1/2 ft.
- 24230 Tree fern. Ht. 3 ft. Lvs. 3 ft.
- 24231 Tree fern. Ht. 3 ft. Lvs. 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. prototypa 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 Tree fern. Ht. 3ft. low 3ft.

24233 Tree fern. Ht. 7ft. low 3ft.

Col. 24234 Nidus rosulata, herb,

Col 24235 Solanum Topiis, herb,

24236 Shrub tree, fl. canary yellow. Herb. (1)

24237 Tree fern. Ht. 6 ft., low 6 ft long,

24238 Tree fern,

Col. 24239 Psychotria, Intercala, fr. deep red

Col. 24240 Clebadium? Ht. 3ft. fl. white,

24241 Phytolacca alk. neg.

Mitil

Col. 24242 Rondeletia? fl. pink, Herb,

Col. 24243 Solanum stramonifolium, Edible seed fruit, fl. white, lvs. purplish underneath along veins.

Col. 24244 Solanum Ht. 4-5ft. - Flowers blue-purple, seed. alk. pos.

Col. 24245 Clebadium, Ht. 3ft. tall, fl. white. alk. doubtful

24246 Cyphomandra sp. - Kubler = leaf of root & leaves
releases bad stomach from faucial
part of mouth

24247 Tachigalia cavipes (Spr. ex Bth.) Macbr. det RBG.

24248 Stychnos Erichsonii R. Schomb. det RBG.

Vaupia Williams add flower & leaf specimen to duplicate as
stimulant for opod & sick 24247. Also ingredients curare

24250 Chytroma valida Hieron det RBG

24251 Ficus Mathewsii Miq. det RBG

{ 24253 Virola ^{elongata} ~~constricta~~ (Benth.) Warb. (see back) det RBG
~~cuspidata~~ ✓

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

24255 Inga sp.

24256 Inga stenoptera Benth. det RBG.

24258 Stychnos rondeletiioides Spr. det RBG.

24259 Cyphomandra sp.

Vaupés - Rio Vaupés near mouth Kubiçá

Col 24246 Erythropylaceae ?? Fl. white. Sm tree, ^{fruiting} ~~fruiting~~ ^{all pos.}
(see 24259)

24246a Chloranthus albus.

Col 24247 Legume. Tree 60 ft. Wv. silvery. Fl. yellow. Water edge.
Very common. all pos.

Col 24248 Strychnos. Fl. white, frequent. Fr. orange. Exl. vine,
all pos.

- Fl. leaves added to chicha, stem used foraged or as bark medicinal

Col 24249 Tabernaemontana, Common ⁱⁿ ~~in~~ ^{at} ~~at~~ ^{the} ~~the~~ ^{edge} ~~edge~~ ^{of} ~~of~~ ^{the} ~~the~~ ^{river} ~~river ^{Fl. white}
Not in Hb. Col. Water white. Ht. up to 6 ft. (1) all pos.~~

Col 24250 Large tree. Lecythidaceae. Fl. yellow-green, frequent,
all neg.

Col 24251 Ficus. Large tree. Fruit red, latex white, all neg.

24252 Bignon. Fl. wine-colored. vine. (1)

Col 24253 Varola. Large tree 50 ft. Lvs white beneath. Red bark
resin. Fl. brown. all pos.

Col 24254 Varola. Tree 50 ft. Lvs white beneath. Red bark
resin. Fl. brown. all pos, lvs + bk.

Col 24255 Small legume. Fr. green.

Col 24256 Juga. Fl. white. Bush along water edge. Very common.
all neg.

24257 Celastraceae? Vine. Fl. yellow.

Col 24258 Strychnos. Vine. Fl. white, frequent.

Col 24259 Erythropylaceae ?? Same as 24246. Fl. white, frequent

24260 Byrsonima papurensis Jacq. subsp. selvatica Cuatr. det RB

24261 Clusia columnaris Engl. det RB

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

24263 Cyrtia racemiflora L. det RB

24264 Cuphea tuberosum Lour. det RB

24265 Xyris dolichostachya Lanj. det RB

24266 Bark generally considered rich. Oil light in aqueducts as pair keller.

24267 Trachomanes arbuscula Desv. det Merrill

24268 Paepalanthus Moldenkianus R.E. Schult. det RB

24270 Styrax nigridifolia Hieron. + Schult. f. zapotocensis Hieron. + Schult. det RB

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

24272 Cecropia Hieroni Cuatr. (Ac. from type S. J. L.) det RB

Bark used by Tupikas in decoration for decoration several weeks for lamps in Koroati

24274 Calliandra Rudd

24275 Dillenia. (Same as 24378 ?)

738 Ce 24260. Large tree. Malpighiaceae. Fl. pinkish white,
lvs. waxy glossy, alk. neg.

31. Ce 24261 Clusia, large tree. Fl. white, centre with purple,
alk. neg.

↗ Ris Kubiyai. Souroubea ^{Kañenda} ~~gambiana~~.

f. max Ce 24262 Small tree. Fl. pinkish. Luhea? alk. neg.

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

24264 Cuphea. Fl. purple. (1)

Ce 24265 Xyris. Fl. yellow.

Ce 24266 Small tree. Fl. white. Martynia caeris Reiss.

116 Ce 24267 Fern.

18. Ce 24268 Paepala blanc Maldenkoo ... Ht. 3 ft. Fl. white,
alk. doubtful

24269 Rondeletia. Fl. red. alk. +.

18. Ce 24270 Styrax yapobokense. Bush 6 ft. Lvs. smoky green,
alk. doubtful

Ce 24271 Bromeliad. Terr. lvs. bright red, Fl. red.

238. Ce 24272 Cecropia. Low tree 15-20 ft. Petals light red. Bush red.
Ant. white tipped.

Ce 24273 Small bush. Fruit globose

Ce 24274 Mimosa? Bush Fl. red.

Ce 24275 Small bush. Polioarpus disruptus (Eichl.) Steyerom.

- 24276 Himatantlus bracteata (DC.) Woods, det R.S.
Makino = febrifugus
- 24277 Mandevilla subcarnosa (Bth.) Woods, det R.S.
- 24278 Gongylolepis Martianum (Baker) Steyerl. + Cuatr., det R.S.
- 24279 Sauvagesia Sprengelii St. Hil. det R.S.
- 24280 Bombax coriaceum Mart. + Zucc., det R.S.
- 24282 Byrsonima aliata Cuatr. det R.S.
- 24283 Vellozia lithophila R.E. Schult. *Keok-pan-pan + succ. det R.S.*
to Weston. Wooded. Growing by stream.
- 24284 *Ochroma* ?
- 24285 Macairea Schultzei Wurdack det Wurdack
- 24286 Pachyloma coriaceum DC. det Wurdack
- 24287 Albolboda macrostachya Spr. ex Malme det R.S.
Together with 24285 det.
for det. in Wurdack's
unpublished list.
- 24288 *Ochroma*? *Thracea*? *Bonnetia*, *Tyleria* ?
- 24290 Theobroma bicolor det R.S.

- 24276 Large bush. Plumeria? latex white. fl. white, very (1)
 Frags +, Himantus bracteatus all. neg
 24276A same species alk +
 24277. Vine, stem red. fl. pink-white. latex white, Mandarin,
 latex white acc. to Indians, Amedin (neg) all. +
 24278 Gongylolepis, large bush. Sterile (1) all. pos. doubtful
 24279 Sauvageana. fl. pink
 24280 Bombax coreanum. Bush 3 ft. fl. stands all. neg.
 24281 Malpighia - fl. yellow. all. neg.
 24282 Malpighia. Tree 10-12 ft. fl. pink.
 24283 Vellozia lithophylla. Ht. 3 ft. Sterile, Malco
 see - no - no - + - pa
 24284 Bush. Rosaceae? fl. orange, all. neg
 24285 Bush. 2-3 ft. Melastom. fl. white, (1) all. neg
 24286 Melastom. Trailing. fl. purple. all. neg.
 24287 Alb. B. laguerri. fl. blue. all. doubtful
 24288 Rosaceae, fl. white-pink. Ht. 4-5 ft. fl. tea for dipping
 Oct 6, 1966 Same growth, Intermedia
 24289 ? Rubiaceae. Climber, fls. white all. doubtful
 24290 Theobroma bicolor. Treelet, 9 ft. all. doubtful
 24291 Flacourtiaceae. Bush, 2 m tall, fl. white, fl. green.
 all. 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.

Rehd.

24299 *Securidaca pendula* Bonpl.

Cayan
~~Rehd.~~

24300 *Solanum apajoranum*

24301 *Stemodia* with leaf, very little at top of leaf

24302 *Triplaris?*

24303 ~~*Gnaphalium*~~ *Monopsis*

24305 *Kubec* mü-lá'-re-ya

24306 *C. microstemon* Pl. + Ta.

det Maguire

Vicinity of Mita, mouth of Rio Kudungari

Oct. 6/1966

- 24295 Clusia, Small tree, Latex thin, yellowish.
Fl. white & deep red.
- 24296 Serjania, Vine. Fr. red, Fl. white, all neg.
Rubes. Punctate plus reduced swelling from snake bite.
- 24297 Legume. Flowers bright red, Bush 9-10 ft,
(fragrant) all. neg.
- 24298 Cupania, Shrub, Fr. red. all. neg.
- 24299 Legume. Vine, Fl. purple. all doubtful
- 24300 Solanum (apoporarium?) Vine, Spines.
Fl. white. Fr. orange. all. pos.
- 24301 ~~Clusia~~? Small tree, Fr. green
Lactia suaveolens (Pit E) Benth. all. doubtful
- 24302 Flacourt. Tree 15 ft. all neg.
- 24303 Annonaceae, Tree 6 ft, lvs. pos back neg.
- 24304 Lecythidaceae, Tree 8 ft tall, Fl. white.
Gustavia brasiliensis DC. all. neg.
- 24305 Lecythidaceae, Large tree, Fl. white + yellow,
lvs in decurrent base pairs from base. all. doubtful
- 24306 Clusia Fl. large, almost wholly purple-red,
white around edge, large tree. all. neg.
Mechanical
heat

24308 Rubiac powder lvs. redd to food for stomach poisoning?

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

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

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

24313 *Virola thecadora* 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.

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

24307 Mandevilla. Fl. yellow. Vines. Lvs. white.
all. doubtful

24308 Piper. Ht. 7ft. all. pos.

24309 McCleostomum. Fl. white.

24310 Solanum. Tree up to 25ft. Trunk 8" diam.
Fl. purple. Lvs. grey-green. all. pos. lvs.
Taper. Fruit dried to kill insects. bark, root.

24311 McCleostomum. Bush. Fl. white.

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

24313 Virola. Small tree 40ft. Fl. brown, all neg.

24314 Euponia. Bush. Fl. white. Same as 24312.

24315 Cistus. Fl. reddish. Vines. all. neg.

24316 Cissia. Bush. Fl. yellow. lvs. doubtful
bark pos.

24317 Struthanthus. Parasite, all. neg.

24318 Symphonia. Sm. tree, 40ft. Latex yellow.
Pitch for marks. Fl. brilliant red. Tubers 1-2". all. neg.

24319 Hevea nitida. Sm tree lvs. drooping,
glory. Stems. all. doubtful

24320 Cassia lucens Vog.

det Elias

24321 Chama columbiana Egl var. vancouveriana Cuatrecasas

det REB

24321a Griffithsia caryophylla Tre.

det Wurdack

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

24323 Geofferia calva

Rubens one stem back
for analysis in herbar.
type. 3 stems each from
- lower of tree

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

det REB

24325 Xiphidium coeruleum Aubl.

det REB

24327 Carex ~~...~~ lucens Vog.

det REB
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 Cassia. 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 Apicynaceae rupe. Extensive, water wet.

Fl. pale tan-yellow, fragrant; bracts conspicuously white. Fruit green. Alk. neg. Kubeo da-pa'-kō-la
first dissection both for wood + seeds

24323 Guatteria? Sm. tree 20 ft. tall. Flowers green, petals leathery. Wood, bark, flowers alk. very positive; fr. alk. slightly positive. Formally not certain alk.

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

24325 Xiphidium. Fl. orange. Roots orange.

7 Kubeo crush leaves + red roots powder for "shading oil oval".

24326 Singonia.

24327 Cassia. Sm. tree 25 ft. Fl. bright yellow.

alk. very positive. Same as 24320

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

24333 *Proclea virgata* (Rich.) Amsh. Lourdock

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

24337 *Pitcairnia mitisensis* L. B. Sm. det P. E. S.

24340 *Montivella subcaerulescens* vel aff. det P. E. S.

- 24328 Melastom. Common shrub, 10 ft. Fl. bright yellow.
- 24329 Composite. Shrub. Lvs. white beneath.
- 24330 Psychotria. Small shrub, Ht. 3 ft. Fl. white, base purple.
- 24331 Hartella. Bush. Fl. purple.
- 24332 Rubiaceae. Fr. red. Bush. (Psychotria?)
- 24333 Leguminosae. Scandent bush or sub-⁽¹⁾vine. Fl. purple.
- 24334 Legume. Small tree. Fl. canopy yellow.
Tea of leaves good for people with small intestine

Cerro de Mita Oct. 9/66.

- 24335 Composite. Scandent shrub, fl. orange-red.
alk. doubtful
- 24336 Rubiaceae. Fl. white, scandent.
- 24337 Pithecolobium nitens. Fl. green-yellow. Apis 6 ft tall. (1)
- 24338 Marikroviaceae. Scandent shrub. Fl. red.
alk neg.
- 24339 Malpighiaceae. Scandent shrub, 6 ft. Fl. yellow.
alk neg.
- 24340 Opogonaceae. Lt. vine. Fl. pink-white. Latex white.

29341a Thaenaria caryophyllaea Tr.

det P.S.

29341 All Vagile indicates my leafy caudex + very toxic but
Kubice uses it medicinally to remove warts with crushed
leaves

24243 Clusia nutanana Cuatr.

det P.S.

24347 Aegiphila Smithii.

24 } Bathysa obovata (Ruiz) Schum. det Druce
351 } Cassipouira bicortica S. P.

det P.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
stripe, fragrant. Same as 24321.

24344 Terr. orchid. *Sobralia*. Fl. white, lip yellow. Fl.
very fragrant. Ht. 5 ft.

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

24346 *Chelonanthus alatus*. Ht. 5 ft. Fl. yellow-green.
Ten for some at roadside. all neg.

24347 *Sycaurus*? Fr. green. Low shrub.

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

24349 *Pyrostachya*. Terr. Fl. purple. (1)

24350 Compositae. Fl. white. Los. Co. rare

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

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

24352 Tree fern.

[The page contains extremely faint, illegible text, likely bleed-through from the reverse side of the paper. The text is too light to transcribe accurately.]

- 24352 Treefern, 2 m tall, sandy soil
- 24353 Treefern, $1\frac{1}{2}$ m tall, along creek, wet.
sandy soil
- 24354 Tuniyachid. Sp. Fl. purple. (1)
- 24355 Small tree. Theophrastaceae?? Fl. white,
"eyes red, basals, pink
- 24356 Gesneriad. Small shrub. Fl. red. Lvs fleshy
- 24357 Treefern, $1\frac{1}{2}$ 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.
ack. neg.

24363 Byrsonima japurensis Guss. subsp. silvatica Acaite (see book) det RBG

24366 Genipa americana L. var. latifolia Spr. (Cluck norendotus) det RBG

24367 Gnetum nodosum Killeo but fruit to cure dandruff
to take by cold water straight + full +
fitter - give 3-4 days det RBG

24371 Swartzia conferta Spr. det RBG

24372 Calathea cyclophora det Schott

24373 Nectandra acutifolia (R. + P.) Mez. Tea for fatigue for 2 days det RBG
2 medicines made use of Lot.

24374 Phoebe Tronoi Rusby Powdered bark for tea det RBG
for the same K.

24375 Siparuna ternata Perk det RBG

24376 Lacunaria jenmannii (Oliv.) Ducke
Purunari bö-him (hand of gallnuts) Tea & fruit for
liver pains.

24377 Quatteria Duckeana R. E. F. ^{Carri Tata Katsch} warm decoction
det RBG
ep leaves for tea
become tea

Rio Vaupés, Cachovera de Tattá, Oct 10/66

~~Ramunculus?~~

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

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

24365 Oncidium, fl. yellow, sp.

col 24366 Rubiaceae, Tree 40 ft, fl. white, lvs + frs green,
 bark +?

24367 Stactum nodosum, Vine, Sterile, alk. neg or
 don't fulfil.

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

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

col. 24370 ? Tree 25 ft, Wood very hard, alk neg,
 ↗

col 24371 Schwarzia, Fr. red, Small treelet.

(alk) pos. Rub-barked lvs
 on abdomen for info
 material of lvs - 4x
 dry

24372 Neranthaceae (?)

col 24373 Lawsonia, fl. yellow, Tree 40 ft, (br) alk. pos.
 Fr. green, lvs dark, pubes.

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

col 24375 Small tree Saprania, alk neg.
 Rubes part of lvs white, fruit for alk + leaf of fruit

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

24377 Guatteria, Tree 25 ft, fl. yellow
 Warm bath decoction, alk pos.

24378 Dilleniaceae Not in Hb. Col.

24379 Couroupou n.sp.?

det RBG

24379 Burn wood to inhale smoke for gripa.

24381 Graffenrieda rupestris Ducke (see note in book) det RBG.
Killed Rab lvs on hands blistered from paddling

24382 Duquetia odorata (Aubl.) Macbr.
(Linn. C. 1744) with ducha for aromatic taste

det RBG

24383 Struthanthus

24386 Pithecellobium

Maxwell

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

det RBG

24389 Tachigalia paniculata Aubl.

det RBG

24389a Diploptropis Martiusii Tallonius det RBG for comparison

24390 Caryocar aff. glabrum Witten & Sleumer det RBG

det RBG

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

col. 24379 Coussapoa, Fr. yellow. Small tree, 30 ft.
hanging over cataraet. alk pos (lvs) + bark neg.
Wood burned, inhaled for cough.

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

col. 24381 McCleostomatoc, Tree 40 ft. Fl. white,
lvs. rubbed for blister on hands. Fragrant,
Kubeos. alk. neg.

Rio Kundayari Oct. 10, 1966

col. 24382 Cecropiaceae. Tree 12 ft. Fl. green-yellow
Fl. dried, mixed. Very positive lvs + bark
Myrtaceae

col. 24383 Loranthaceae, Fl. white,

col. 24384 Maepighead, Climber. Fl. pink.

24385 Ep. Orchid. Fl. yellow.

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

Cach de Tatá

col. 24387 Flacourt? Sm. tree. Fl. white, alk. neg.
Said to be 10 ft.

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 tea. Alk. neg.

24390 Bombax aceba. Tree 60 ft. Fl. white, pink

24391 Quatteria dura R. E. Fr. (see back) det Pers.
Teil of back vermifuge, Kuba

24393 Xylopia aromatica (Lam) Eichl in Mart det Waeber

24394 Barbieria pinnata (Pers.) Baill. Kuhl,

24395 Quatteria

- Col. 24391 Annonaceae Tree 18ft. Fl yellow -
green, caulifl. Bark strongly pos. Fl. slightly
Formerly the curare!
- Col. 24392 Tabernaemontana, Fr. green. Latex
white. Fl. white, Same as 24249,
Nov in Herb-
Col.

Urania Oct 12/66.

24393 Small tree, Annonaceae, alkalinity +
Fruits red for fl. Fruits cold and astringent,
seeds kept as carminative for indigestion

24394 Legume, Vine. Fl. light red, Diuretic
Wine medicinal for elderly, mental

24395 Smilax, Fr. green, Tree 4.5 ft.
Pl. formerly common, Rubiac. alk. strong pos.

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

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

24397 ? Maloetria. 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* (Blk.) Pitt. Ruhl.
Lvs. powdered to prob. inf. cut's to sample

- 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 forest. 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 subuncinatum* Mart.

24421 *Ocotea* *speciosa* Mart.

24426 *Pithecellobium*

Rut.

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

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

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

*Mossy flowers among Kurba palms
very strongly mixed. Kurba wa-ka-nee-to*

24419 Treelet, 20 ft. tall, fls. green. alk. strongly
positive (L, B)

24420 Theobroma ?*grandiflora*
Palms medium tree, 25 ft. tall, fls. dark deep red.
for sore throat - chewed

Fruit ends mixed with cocoa, Kurba

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 Mito

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 Wunderlich

24429 *Psittaculid.* 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.

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

Breufelsia ident?

coll.?

S+R.

Trytone

What sp.

Ficus

24114 is

William
W. W. W.

Groffenrieda rupestris Ducke ~~not~~ reistribui
S. & C. 14566 Jericó 25/11/51. Ser # 24381 Columbia?

Guatteria dura N. E. P. S. & C. 15479 Payacoji. Feb 18/52
Ser # 24341

Byrsonima papuensis var. silvatica Cuatrecasas.
S. & C. 13539, etc see Webbia 13 pp 393-664.

Urola carinata (Benth) W. A. R. Ser # 24253
S. & C. 14987 Soratona "latex at first colorless,
latex white. Parassona = ne-tzin'-he-me"
S. & C. 13532 Soratona Jan 28/52
"Pamine = chee-van' infusion of lvs. & bark
taken for "carate" " 16 Aug 1951.
A. Fern. ²²⁴³ Mouchal, R. Duica Feb. 11/53
"semillas verdes con ailo rojo usadas
para pescar".

Water plants of Col.

Coccoloba rigida

13739 HCB Guayaquil Nov. 25/51 "Quiruma"
13909 " Soratana Dec 1-15/51. "Bela"

C. utilis

A Fern. 2176 Iwiritu, Rancho Alto o Marcapire
"pendante" Feb 3/53

S+L. 9467 Cavi
9486 "

Hancornia speciosa

S 5859A Cerro Caracas March 1949.

Lacmellea arborescens

Cuatr. 15626 10-20 dec 1943.

Valle de Loquena Rio sanguinini

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

L. edulis

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

L. floribunda "Tachuelo"

R. Cast. 4709 Barrancabermeja Santander 26 agosto 1959.

" 6287 Chocó - entre R. Tilupo + S. S. S. 20 June 1957

" 4752 same as 4709 Aug 28/54

" 1655 Bolivar, Palotal May 14/49.

Haupt 4870 Ant. Mulatos. June 11, 1946.

L. panamensis

Kellip + Cuatr. 39155 Chocó Quebrada Tozoromá
June 13/44.

R. Cast. 5493 Nov 23/55 Narina, I. Cuandé

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

Parahancornia Kruckovii Monacina.

S+C. 12660 Soratana June 18 1951. Puenve = cat.

Thevetia peruviana "Cobalonga" "caucho"

used? send task for coll. list.

[The page contains extremely faint, illegible text, likely bleed-through from the reverse side of the paper. The text is too light to transcribe accurately.]

Hevea n. det. in Hb. Col. Oct 1966 Del R. S.

- RES 5872a La Pedrera, above Angostura Apr. 5/44
H. pauciflora var. *cost.*
- RES 6359 Llor. R. Oct. 1944 *H. Brasil.*
- RES 5864 Cerro La Pedrera Apr 3, 1944 *H. nitida*
- RES 6573 Hendersons 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 Tarisica 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. Ursa. 7-30-57. *H. guianensis*
- HGB Cerro Inabukuri Nov 29-30, 1951 *H. nitida* var. *tox.*
- HGB, RES, Blohm 15849 Yabodoh *H. nitida* var. *tox.*
- HGB 14641 La Pedrera Oct 1-4/52. *H. Benth.*
- HGB, RES, Blohm 15831 Yabodoh *H. nitida* var. *tox.*

Monopteryx angustifolia Spr. ex Bth. S. & W. 10125 Rio Guainia
Rio Naguena
Cerro Monechi
June 1948

Cyphomandra suberosa Britton

S 3652 Comapa 2-5 April 42 "Lower part drying part black"



Observaciones:

.....

.....

Foto tomada en:

.....

.....

Fecha:

Tomada por:

Negativo depositado en:

Diapositivo depositado en:

.....

.....

.....

[The page contains extremely faint, illegible text, likely bleed-through from the reverse side of the paper. The text is too light to transcribe accurately.]

Solanum stramineifolium Jacq.

- RIS. 5883 La Pedrera Apr. 1944
HGB 14256 Rio Parap. Aug 28-31/52
S+C. 12586 Mouth Paera 17 June 1951
Cntr. 6769 Miti 13-IX-39
HGB 14946 Yampun Oct 24, 1952
R. Cent. 3777 Pucuro, Virza 27 Nov. 1952 Tukurio stopoa
~~HGB~~

Comptosia Sprucei (A DC) Wats.

- S+C. 13105 R. Kansani July 25/51.
13618 Sorotame Aug 26/51
13376 Jambik. Aug 4/51
12771 Sorotame June 21/51
HGB 14398 Jimigpa Sep 2 1952

~~Comptosia capitellata (A DC) Wats.~~

~~S+C. 15107 Sorotame Jan 31/52 Root prism~~

~~Comptosia debilis (A DC) Wats.~~

- S. Proke + E. 18618 San Felipe Oct 25/52.
S+C. 19374 Osene - bel - a - poo - nee Yutici May 4-24,
Root prism Nov. 1953.

Manibilla cuneifolia Woodz. Sect 24201

only 2 of the coll. Type from R. Paraparin
S+C 17234
+ S. + C. 19377 from Yutici

Prestonia Lindleyana Woods. Vaupe's

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

Strychnos from Vaupe's

S. roudiletorces. Cuatr. 6747 Mita
RES 3829 Rio Karaperani
HBK, RES, Holms 5799 Kudugari
S. & C. 18416 Mita
" 15423 "
" 18405 "
Cuatr. 6904 Mita, Mita

S. Peckii B.H. Robinson. ¹⁴⁶⁰ HGB Soratama.
RES + L. 9491 Rio Megeu near Cocui (Col)

S. panurensis Sprague + Sandw.
S. & C. 12840 Soratama.
S. + Peck 8447 Loretoyaen Oct 1946
S. & C. 13084 Mouth Pacon Tik. ong'-we
{ Cuatr. 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. 8701 Loreto. Oct 1946.

S. jobertiana Bailon S. 3523 Kofon ni-ro-chae. Cururo-rok.
Apr 2-5/42 Quehao Conejo

S. brachiata R. + P. S. 3602 Kofon se'-ke'-ja. Rok = cururo.
Santa Rosa 7-8 apr 42.

S. Erichsonii R. Schomb. S. & C. 16770 Mak^u = wa - oo - kee - ma - ma
Jinofoje
HGB 14041 Soratama
S & C 12644 Soratama
HGB 17242 Jinofoje
S. & C 15653 R. Popogabed.
HGB 14850 La Pedrera Karpina erequi
HGB 14222 Rio Parap. Makuna cult
S & C 17021 Meker = keo - ze - et' Jinofoje
S 3524 Conejo Kofon - ni - ro - chae
said to be stronger than 3523
acururo. 2-5 apr. 42

Fernal. 2252 Rauwolfia pachyphylla Mgf. R. Guinda Feb 13/53.

RES. 6677 Rhipidia americana Mgf. Loret. Oct 1945

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

R. Castanea 3434 " jalutina Mgf. Valle Fatima 13 Nov. 1952

" 3938 " " Rio Yí 9-12 Dec. 1952

S. Pak. Calb. 17983 " ruiuila Woods. n.sp. San Felipe Oct 25/52

~~Fern.~~ R. Centr. 3730 " rubro-striolata Mart. R. Papua Santa Tereseta 25 Nov 1952

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

S & C. 19618 " undulata Wood. Sorotama Jan 1952

Del. 4719 Tabeth. Sanancho ~~latuca~~ 9 Oct 1961 - det RES det +

Del. 5.718 Hematanthus ~~bracteata~~ ^{articulata (Vail) Woods} ~~at Wood~~ " Platensis" S. Tumbura Dec 5-26/1950

S & C. 17098 " bracteata (L. DC) Woods. Mak. = a-na-ree "muk of Barossa - a-na-da-go smoke"

HGB 4285 " " Rio Paraj. ag. 28-31/52 30/5/52.

14227 " " Jucosaji ag. 25-26/52

S & C. 13066 Malouita furfuracea Spr. Mouth Paeoa July 18/51

" 17065 " " Puni. poma-Ka!

~~S & C 18417 " Tamaguarua Near Mita 13/11/52~~

~~S & C 14170 " " Yapobada Puni. poma, Kub. yau-wa-~~

HGB, RES. + H. Blöhm 15780 " " Kerduyari June 25/58. haw-ka-kee. Oct. 1951

" ~~15780~~ Galactophora crassifolia (M. A.) Wood. Yapobada June 25/58.

S & C. 14207 " " " " Oct 1951

S & C 12968 " " Jrijonis July 7/51

HGB; RES, H. Blöhm 16037 " " Jurenjuda June 30, 1958.

S & C. 16236 Eugenia florida DC. Nakuna oo-ko. Apr. 24/52 Quecaya

" 16596 " " Jucosaji June 5/52

" 16267 " " Quecaya Apr. 24/52

{ R/S 6083 + 6112 Malacitica Tamoguarins forest. Sept-Nov 1947
 6034
 February P. 6865 " " Alt. + Cuchara Kaszi 1948
 1969

- S2C 14013 *Mandevilla annularifolia* Woods. n. sp.
 Jujinno 16 Sep 1951.
 S2C 17536 " " Purupar. Sept 18/52
 HGB + BSS. 14144 *M. caerulea* Nyl. Aracuanam. Dec 21/51
 S.+C. 17234 17234 *M. cuneifolia* Woods n. sp. Savannah C-koo'-me-goo
 Purupar. Sept 16/1952
 S2C 19377 " " Yutira May 14-24/53
 HGB 13750 " *lanceifolia* Woods. Jujinno Nov. 1951
 BSS 5442 " *nerioides* Woods. Umbiguate. May 15-16/43.
 BSS 561 " " " July 1943
 { B+C 14010 " *stephanotidifolia* Woods n. sp. Jujinno 16 Sep 1951
 { 14952 " " " Jan 21/52
 S.+C. 18325 " *subcarnea* (Benth) Woods. R. Kubiyi Cerro Karandá
 Nov. 10/52.
 S2C 19135 " " Rio Karuri - Goo-ran - too'da' Apr 15-16/1953
 Cuatr. 7001 " *subspicata* Pucurin 25-IX-1939
 R. Cast. 1268 " *symphytocarpa* (C.F.W. Meyer) Woods. " Vampas"
 Nov. 25/48
 S2C. 14508 " *thectoides* Woods n. sp. Subukuri 29/10/1951
 { " 15393 " *vanheurckii* (M. A.) Bigf. Yajacapi Feb 16/52.
 { " 14068 " " Jujinno Sept 16/51.
~~S.+C. 15687 *Mesechites trifida* (Jacq) M. A.
 Matina mee-see'-men-gaw Jurogojo Feb 27/52~~
 S.+L. 9319 *Odontadenia cognata* (Sedelm.) Woods. S. Felejo Dec 12/47
 Cuatr. 6967 " *fungosa* Woods. Yurupari 24-IX-39
 Cuatr. 6868 " *neglecta* Woods. Mita 17-IX-39
 " 6924 " " entre Mita + Mita 20-IX-39
 S.+C. 19669 " " Circasia Nov. 1951
 Uubi 2914 " " Mita. Jan 27/57
 S.+C. 17857 " " Kueyari Oct 16/52
 " 17327 " " Purupar. Mak-o-hai-ke-mee-see-uu
 " 14025 " " Cerro Teameasa Sept 9/52
 Jujinno Sept 16/51
 HGB 13813 *O. punctulosa* (A. Rich) Pule Subukuri Nov 1951.
 S2C 12666 " *sylvestris* (A. DC.) M. A. Soratama June 18/51
 " 13718 " " " 24 Aug. 51
 S2C 12660 *Parakentonia Krukovi* Mon. Pucurá = aat Soratama
 June 18/51
 S2C 13999 *Prestonia lundleyana* Woods. Soratama Dec 1-15/51.

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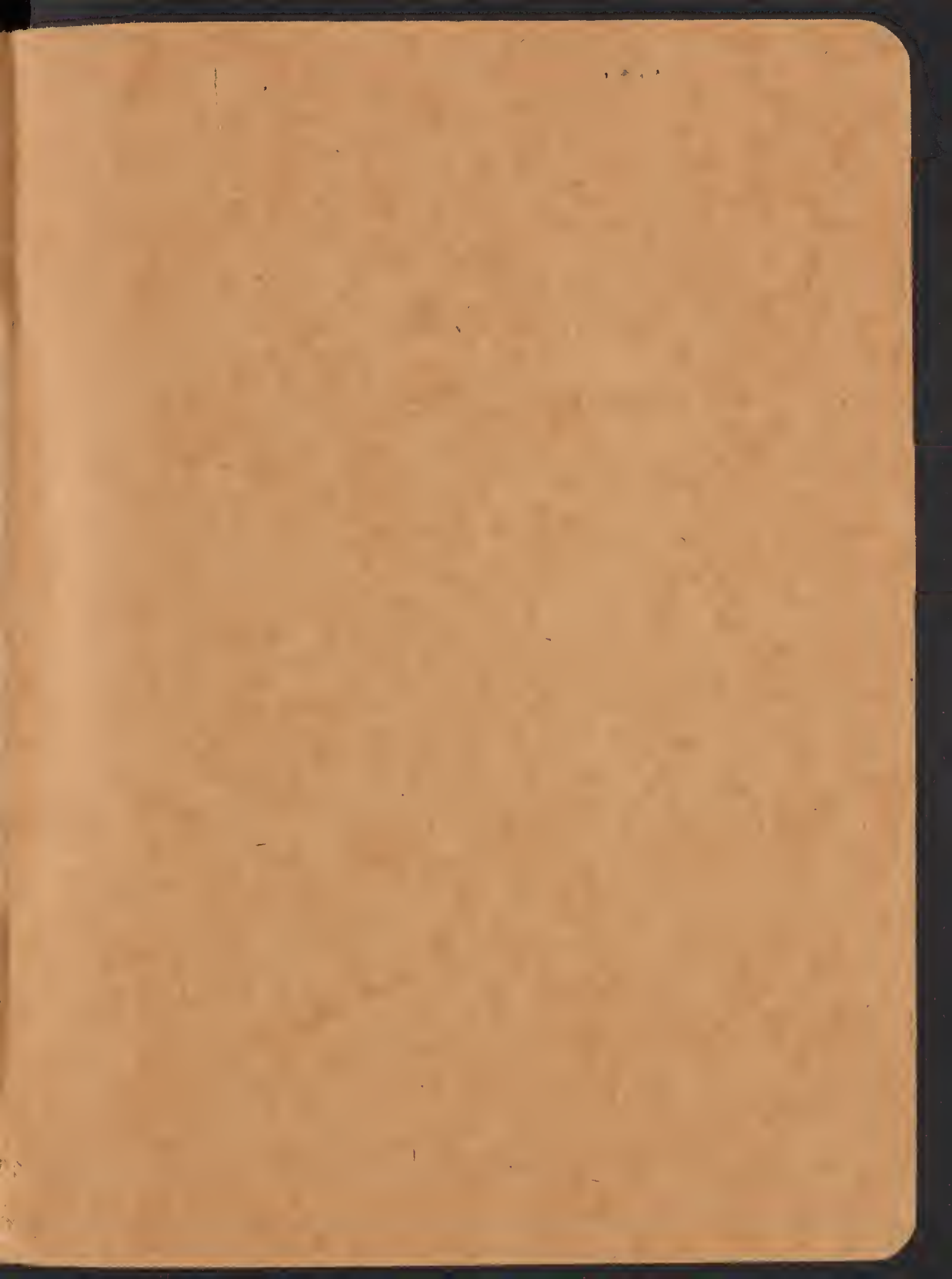
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BOGOTÁ—COLOMBIA
Casa de Monedas, detalle Patio

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EMSA



Revisado ¹⁹³³ - 16.

"VOLUMENES Y FORMULAS"	TABLA DE MULTIPLICAR			
1 Prisma	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 recto 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 recto	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 Paraboloides de revolución	6 X 4 - 24	7 X 4 - 28	8 X 4 - 32	9 X 4 - 36
14 Toro 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 Tanel 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 Cm.	— 39.37	Pulgadas	— 0.03527 Onza
Metro	— 3.28	Pies	— 2.2046 Lbs.
Metro	— 1.0936	Yardas	— 2.204.6 lbs.
Metro	— 1.25	Varas	— 0.0648 Gramo
Km.	— 1.050 Ms.	— 0.62137	Millas
Pulgada	— 2.54	Cms.	— 28.35 Gramos
Pie	— 12 Pulgds.	— 30.48	Cms.
Yarda	— 3 Pies	— 91.44	Cms.
Milla	— 1.760 Yds.	— 1609.35	Metros
Milla Náutica	— 1852	Metros	— 1.016.03 Kgs
Vara	— 80	Cms.	— 437.5 Gramos
Cuadra	— 100 Varas	— 80	Metros
			Onza Avoirdupois — 430 Granos
			Onza Troy — 480 Granos
			Arroba 25 Lbs. — 1.34 Kgs
			Quintal 100 Lbs. — 45.359 Kgs

SUPERFICIE		CAPACIDAD	
Cm ²	— 0.155	Pulg. Cuad.	— 0.264 Gal. Americano
M ²	— 10.764	Pies Cuads.	— 0.220 Gal. Inglés
M ²	— 1.196	Yds. Cuads.	— 1.389 Botellas.
M ²	— 1.5625	Varas Cuads.	
Hectárea - 10.000 Ms ²	— 2.4710	Acres	
Hectárea	— 1.5625	Plazas*	
Km ²	— 0.386	Millas Cuad.	
Pulg. Cuad.	— 6.452	Cms ²	
Pie Cuad.	— 0.0929	M ²	
Yarda Cuad.	— 0.8361	M ²	
Acro	— 0.4047	Hectárea	
Millas Cuad.	— 2.59	Kms ²	
Varas Cuad.	— 0.64	M ²	
Plaza*	— 6.400	Ms ²	

* También Cuadras

VOLUMEN		TEMPERATURA	
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	
		Grados Centígrados	(F° - 32) 5/9
		Grados Fahrenheit	9/5 C° + 32
		Grados Centígrados	5/4 Grados Reaumur
		Grados Reaumur	4/5 C°