

Panama' 1971

Clu



MEMOS

19¢

32 SHEETS • SIZE 6 IN. x 4 IN.

No. 204404

Mfd. for McCrory-McLellan - GREEN STORES
YORK, PA. 17402

Panamá (1971)

collection made by

Oles & Volkov and
Robert Dressler

Oles

(152) - *Ammonia*

Ammonia

Ammonia

Boerhaavia latifolia (Zucc.)

Orthocentrus lora (2 ")

Streptopogon (1 mated, 1 juv. nympha)

Pharus grandis (B. G. G.) 2 fl.

Streptocaulis sodiroana 2 fl.

Streptocaulis spicata 2

Pharus chico (B. G. G.) 1 fl.

Artemisia panamensis 4 fl.

Cryptanthus dignatus (J. R.) 2

Macbridea tosta (S. R.) 2, 1, 2

Panama 1st S. R. to 1 fl.

Cal. Serenella 3 fl. 3

Cryptanthus sp. 1st S. R. to 1 fl.

Cryptanthus n. sp. S. R. 1 fl. 1 fl. nympha.

Panama 2nd - 1 nympha of 1 fl.

Leptanthus 1 fl.

Cryptanthus sp. B. G. G. 1

Pharus chico, B. G. G. 1

Bambusa - *lanceolata*, 1

Streptocaulis sodiroana (lanceolata) 1

nympha

Strophoglossa n° 1

Pharus n° 2

Barnes (Barnes)

Strophoglossa (Barnes) 3

Maculipennis 4

Strophoglossa 5

Maculipennis 6

Helminthophila 7

Strophoglossa 8

" *rodiniana* 9

Strophoglossa 10

" " " 11

Arborea 12

Panama 13

Maculipennis 14

Leptocoma 15

Strophoglossa 16

Strophoglossa 17

Panama 18 (2nd f. Rita)

Pharus 19

Orthocentrus 20

Orthobates laxa 21

Asteria 22

Streptoch. spicata 23

Asteria 24

Macrostoma 25

Streptoglype 26

Macrostoma 27

Macrostoma 28

Cryptochloa dilleri 29

Pharus grande 30

Arboria 31

Pharus chico 32

Cryptochloa 1^o J. R. 33

" " " 34

Cryptochloa lampara 35

Lolostoma 36

" 37

Cryptochloa dignita 38

" " 39

B. E. Johnson and R. L. Dressler.

Oct. 21, 1971

↑
2124

Cryptochloa sp.

Panamá, Prov. of Panamá,
5 Km NE of Cerro Jefe,
"La Envidia".

alt. 800 m.s.m.

Small clumps scattered in
forest, in a smooth slope
and along sides of a creek.
Some plants with ~~some~~ lateral
surface of blades dark wine
color. (There are mixed
both kinds of plants in
my herbarium specimens.)

Photo: 6 x w. roll #1 - few
(rain) Helen also took some
with color film and flash.

Fixed material

FAA. sp. h. leaves, 514 10cc

long: leaves - 515 10 cc

~~3-1-203~~

2121

~~2122~~

Oct. 21, 1971

Panamá, Prov. Panamá, Cerro
Jepe, (Dresler's garden) near the
alt: 800? m. ^{beginning of the road to} Cerro Jepe
Bamboo Antennaria? etc.

climbing bamboo

FAA: leaves - #520

Olyra taguare Swallen rel. off.

K 2122

~~2122~~

(name tag)

cerro Jefe -

Panama sp. (stunt)

(*Panama misteriosa*)

large clumps near the road. Plants with no flowers. These plants have not bloom for several years. Collected in 1968 stunt, Drenler has been watching this clump and never has seen in bloom.

Rhizome collected -

some plants with variegated leaves.

no fired material

K, MO, NY, P

2123

~~2123~~

Olyra stanley

~~near~~ Panama', Prov. de Panama
cerro Jefe.

Fired material:

FAA: (2 vials) a) ⁵¹⁶ leaves, culms
and shoot apex. b) ⁵¹⁷ inflorescence.

Boog: ♀ sphi. ⁵¹⁸

3:1: inflorescence. ⁵¹⁹ (♂ & ♀ sphi)

Photo: b & w - roll # 1? no

October 23, 1971

2125

Panamá, Prov. Panamá, Cerro
La Campana.

Cryptochloa sp.

Fixed material:

FAA: leaves, inflorescence - 521

Living plant: collected (in B. Reed)

Not very abundant, small
clumps in shady places of
the forest

2126

Lechmanthus

Panamá, Prov. de Panamá
Cerro Campana.

Fixed material

FRA : 1rial : leaves, inflorescences
522

Oct. 23, 1971 K, MO 2127
Panamá, Prov. Panamá, Cerro
Campaña
Pharus sp.

Living plant: collected
FAA: 1 incl: leaves #523

Bambusa nullois, ~~formosa~~
forma nullois A. & C. Riviere

K 2128

~~Bambusa~~ Panamá, Prov. of Panamá
una, Cerro Campaña

Bamboo. (cultivated?)

FAA: 1 incl with leaves 524

Oct 1976

2129

Oct. 23, 1976

2129

Panamá, Prov. de Panamá

Cerro Campana.

Olyra lateralis

no fixed material

300 m. a.s.l.

Oct. 27, 1976

2130

Macdurelyra tecta

Panamá, Prov. de Panamá

Colón, Santa Rita, ca. 10

Km E of the carretera
Transistmica.

79° 45' long. West

9° 21' lat. North

Alt.: 300 m. s. m.

Living plant: collected

Fixed material:

FAA 2 mts: a) leaves, inflorescences
and?

b) seedlings (~~with roots~~)

3:1 : inflorescences.

Photo: b & w only roll # 1

Frequent in shady places of the
forest. ~~Tecta~~, The original

type locality was cut down.
Scattered plants of *Macclurea*
are still growing there.
They were ~~small~~ small plants
and only few with flowers.
Not far from that place, in
the cultivated forest plants
were growing well, most
of them with inflores. There
were much taller and
robust. Many seedlings
around clumps.

2131

Panamá, Prov. Colón, Santa
Rita, ± 10 km E of the
Lanretero Transistmice.
Cryptochloa sp.

Living plant: collected.

FAA: leaves, inflorescence.

Common in the forest, in
many places assoc. with
Macclurobys.

K

2132

same day & locality

Macclurobys secta

seedlings - (photographed) (in
in manuscript)

2133

Panamá, Prov. Colón, Santa
Rita, ± 10 km E of the
Caretta Transisthmica.
Panicum sp.

Fixed material

FAA. 1 vial: leaves, inflores.

3:1: 1 vial with inflorescences

living plant: collected.

4

Oct. 27, 1978

2134

Panamá, Prov. of Colón, Santa
Rita, ca. 5 km E of the Care-
tera Transisthmica.
 $\pm 79^{\circ} 45'$ long West
 $9^{\circ} 21'$ lat. North

alt: 200 - 250 m. s.m.

Eupatorium (Panicum type)

living plant: collected

FAA: leaves & inflorescences.

Small, succulent plants
growing on a bank, humid
shaded rocky slope.

Oct. 27

2135

Paraná, Prov. of Colón, Santa
Rita, ± 5 km E of the
Carretera Transistruise -
~~alt~~ $\pm 79^{\circ} 45'$ long. West
 $9^{\circ} 21'$ lat. North.

alt: $\pm 200 - 250$ m. s. m.

Elyptochloa Dresslerii

Photos: 6 x W - roll 4

Living plant: collected

Fixed mat:

FAA = leaves & infl. (2)

3:1 = inflorescence (2)

Don't = infl.?

FAA = seedling growing from
spikelet (1)

Oct. 27, 1971

2136

Paraná, Province of Colón
Santa Rita, ± 5 km E of the
Carretera Transistmica.

79° 45' long west

9° 21' lat. north

alt. 200 - 250 m. s.m.

Pariana sp.

Large clumps in bloom. Inflo-
rescence in a repurified shoot.

Photo: ? b.w. roll #1 2nd

Fixed material: FAA. leaves &
infloresc. (trial with inf. fixed. 1 day after
collecting in plastic bags, 10)

3:1 - inflorescences 2 "

Boys: " ?

October 29, 1976

2137

Panamá, Province of Panamá
Cerro Jefe.

to

Cryptochloa sp.

Growing in shady places
of forest associated with
Macaranga trees.

FAA: 1-nd leaves and inflo-
rescences.

Photo: 6 x 9 with WMA #2

Oct. 29, 1972

2138

Panamá, Prov. de Panamá
Cerro Jefe.

Macdunnolysa texta.

In forest, dark places,
some in smooth slopes
associated with *Cryptochloa*.
sp -

Photo: b & w roll #2 associated
with *Cryptochloa*.

no fixed material.

Oct. 29, 1972

2139

Panamá, Province of Panamá
Cerro Jefe, near the begin-
ning of the road to the
cerro.

Olyra lateralis

living plant: collected

Photo: b & w roll #3

Fixed material:

FAA. leaves, . spk (♀)

3:1 = ♂ spk -

Oct. 29, 1974. K 2140
Panama, Prov. of Panama
Cerro Jefe, near the beginning
of the road to the cerro.

Barro Colorado Rhipidocladum

Fixed material: FAA. leaves.

Sugar cane

Panama', Prov. of Panama
Road to Cerro Jefe -
(cultivated)

FAA: leaves

(no herb. specimen.) ^{no}

Oct. 31, 1972

2141

Panama', Prov. of Panama Colon
Santa Rita, from 12 to 20
km E of the Carretera
Transistmica -

9° 21' lat. North.

79° 43' long. West.

Calceponella citratica

Photo: 6 x w roll # 3

Fixed material: 3 vials

FAA = leaves, spbls

3:1 = spbl.

Bouquet = spbl.

Living plant: collected -

2142

Panamá, Prov. of Colón,
Santa Rita, Near Agua
Clara, rain gauge station,
ca. 20 km E of the Carretera
Transistmica.

9° 21' lat. North

79° 42' long. West

alt: 350-400 m. + m.

Arseria panamensis

FAA² - leaves & inflores.

3:1 - infl.

Bong - infl.

herb plant: collected.

no photo.

1 FAA vol (material 2 days in plastic) ^{first after}

In primary forest, obscure,
very humid slopes of a
creek

Oct. 31, 1972

2143

Panamá, Prov. of Colón,
Cruce Rte., ± 18 Km E from
the Carretera Transistimice
(Magisale) *Tripsacum latifolium*
Nitch.

In a secondary growth of
cleared forest -

FAA = leaves, inflorescence -

Nov. 1, 1972

KMO

2144

Panamá, Panamá Canal,
Barro Colorado Island, A.
Armour Trail 8,
ca. 79° 51' long. West
9° 9' 50" lat. North

Olyra latifolia -

FAA = leaves -

Photo = roll # 3 b & w.

Nov. 1, 1976

Panama, Panama Canal ²¹⁴⁵
^{Barro Colorado} Is. Ar -

mouse trail 5-8 -

9° 09' 50" lat. North.

79° 51' long West.

alt. 500 m. s. m.

Streptochaeta spicata

FAA. leaves, inflores -

Bone - inflores -

Nov. 1, 1974

Panama, Panama Canal ²¹⁴⁵
_{Bono Islands} Is. Ar -

mountain trail 5-8-

9° 09' 50" lat. North.

79° 51' long. West.

ultimo viaje

3 km de la céntrica hacia la
represa del Bayano.

Prov. de Panamá.

Near Chepo (para Phrag-
Prov. Panamá miteos)

1° viaje Cerro Jefe.

5 km al NE de Cerro Jefe,
La Encinta - 800 m. s. m.
Prov. Panamá

Jardíncito Roberto: Cerro
Jefe - Prov. Panamá

Loma de Ayica: Babuaya,
al E de Toumen - Prov.
de Panamá.

O. lateralis: Cerro

Jefe, ($\pm$ 100 m del Jardín-
cito de Roberto), al comienzo del
camino de Cerro Jefe.

Birds Rite - 2°

9° 21' lat. N.

79° 42' long. W.

Prov. de Colombia - not far from
Agua Clara Rain Gorge
Station.

- Cerro Atene -

$\pm$ 20 km de la carret. Trans-
américa - 350 - 400 m. s. m.

1° viaje a J. Rite

Machulaga $\pm$ 10 km de la carret.
300 m s. m.

79° 45' long.

9° 21' lat.

Copp. oval. y chigüeto
5 km de la carret.
 $\pm$ 200 - 250 m s. m.

Lalderonella

12 K. e 20 km de la forest

Nov 3 - near limits

2150 - Bamboo - ? K, MO

2151 - *Olyra latifolia* - ? K ✓

2152 - *Pharus miter* - ? ✓

2153 - *Styphelia sodina* ✓

2154 - *Olyra miter* steril.

2155. (ote para) Bamboo ²¹⁵⁶ K, MO

2156 (Olyra - Bamboo)

2157 Olyra pequeña crecida con K

2158 (en el camino Phragmites)

401.3 - one block
 4130 - 1000 ft
 4181 - 1000 ft
 4182 - 1000 ft
 4183 - 1000 ft
 4184 - 1000 ft
 4185 - 1000 ft
 4186 - 1000 ft
 4187 - 1000 ft
 4188 - 1000 ft
 4189 - 1000 ft
 4190 - 1000 ft
 4191 - 1000 ft
 4192 - 1000 ft
 4193 - 1000 ft
 4194 - 1000 ft
 4195 - 1000 ft
 4196 - 1000 ft
 4197 - 1000 ft
 4198 - 1000 ft
 4199 - 1000 ft
 4200 - 1000 ft

4201 - 1000 ft
 4202 - 1000 ft
 4203 - 1000 ft
 4204 - 1000 ft
 4205 - 1000 ft
 4206 - 1000 ft
 4207 - 1000 ft
 4208 - 1000 ft
 4209 - 1000 ft
 4210 - 1000 ft
 4211 - 1000 ft
 4212 - 1000 ft
 4213 - 1000 ft
 4214 - 1000 ft
 4215 - 1000 ft
 4216 - 1000 ft
 4217 - 1000 ft
 4218 - 1000 ft
 4219 - 1000 ft
 4220 - 1000 ft

4221 - 1000 ft
 4222 - 1000 ft
 4223 - 1000 ft
 4224 - 1000 ft
 4225 - 1000 ft
 4226 - 1000 ft
 4227 - 1000 ft
 4228 - 1000 ft
 4229 - 1000 ft
 4230 - 1000 ft
 4231 - 1000 ft
 4232 - 1000 ft
 4233 - 1000 ft
 4234 - 1000 ft
 4235 - 1000 ft
 4236 - 1000 ft
 4237 - 1000 ft
 4238 - 1000 ft
 4239 - 1000 ft
 4240 - 1000 ft

6 Jefe

- 514 FAA. 1^o Cryptid.
 515 B " *loja*
 516 O. Stanley FAA, *loja*, *talla*, *remot.*
 517 " J FAA, *influen.*
 518. " B - H. ♀
 519 " 3:1 *influen.* (♂, ♀)
 520 *Bemisia* (Jani. Dist.) FAA, *loja*
 521 *Crypt. de comp.* - FAA *compa*
 522 *Tetraneura* FAA, *inf.* *loja*
 523 *Pharus* *compa* FAA, *loja*
 524 *Bemisia* (*talla nana*) FAA "

22 J. 3:1 J. (4 *francos*)
 Tecto - *Panama* 1^a, *Panama* 2
Cryptid. violeta

~~22 J.~~
Callosella FAA, B,
Artemis FAA, B
Maitrea FAA

loja (Bano Colorado) en *francos* nitro
 FAA: *loja* *Strip.* *foliar* y *Strip.*
fr *fr* *fr* (francos al *reparar*)

11.11.11 J. *fr* FAA

2141 *Callosella* FAA B, 3:1 J, RC

2142 *Artemis*

2143 *Maitrea*

2144 - *Bano Colorado*

2144 - *Pharus* *loja*? *Artemis* *Trail* + 8

2145 *Strip.* *loja* *epicote*

2146 *Strip.* *foliar* (no *fr*)

2147 *Pharus*

2148 *Strip.*

2149 *Pharus* *fr*

Oct. 27. Santa Rita -

- 1^o info 2130 - *Macdustrya* - PL -
2131 - *Cryptochloa* sp. - PL
2132 - *bebes de Macdustrye*
2133 - *Pariana* 1^a - PL

- 2134 - *Cryptochloa chiquita* - PL
2135 - *Cryptochloa densa* - PL
2136 - *Pariana florentina* - PL
(note from today)

entire
of S. Rita

Oct. 29. Cerro Jefe -

- 2137 - *Cryptochloa* FAA foto
2138 - *Macdustrya* MCFM foto
2139 - *Beauvoisia tetralix* FAA, 3:1, PL, foto
2140 - *Bambusa* - FAA
super. are only FAA. noted

Bambusa: FAA. foto, after under ?

Oct. 31 Santa Rita

- 2141 *Calceolaria* FAA B, 3:1, PL
2142 *Artemisia*
2143 *Maizeal*

Nov. 1 - Cerro Colorado

- 2144 - *Obrya* lat. ? Arroyo trail ± 8
2145 *Styl. tochi* spicata
2146 *Step. Lodiense* (no fence)
2147 *Pharus*
2148 *Sheptoffe*
2149 *Pharus* *chico*

Oct. 21 Cero jefe

- 2121²¹²² - Bambu trizado (x1/2 pedicelo)
2122²¹²⁵ (b) Panane mistura ruzgata PL
2122(c) " " ruzgata y no liza
2123 Olyra Stanley - tiene cañas
buecas (o ruzgata para usar.
2124²¹²¹ - Cryptochloa (rugulosa) PL
las rioladas y las no rioladas.

Oct. 23: Cero lampara

- 2125 Cryptochloa PL
2126 Echinanthus
2127 Pharus PL
2128 Bambu (x1/2 cañeta?)
2129 O. lateralis

- 514 FM - Crypt. FAA Cero jefe
515 " liza B.
516 O. Stanley FAA liza, foll. a pie
517 " " inflor. FAA
518 " " B
519 " " 3:1

- 520 Bambu FAA
521 Cryptoch. FAA infl. y liza lampara
522 Echinanthus liza + infl. FAA
523 Pharus liza (infl.) FAA
524 Bambu (liza) FAA

ch Crypt - FAA
 " Crypt B
 200 O. Harl - 200 FA
 100 " 100 FA
 ch Ch E B
 100 " 3:1
 50 Bamb - FAA
 ch? Cryptoch - FAA
 50 Telhantus "
 50? Pharus "
 50 Bamb. neryj. "
 ch 50 Nocturnif. "
 ch? " 3:1
 50 " Babes FAA
 ch? Cryptoch - FAA
 ch Crypt. chig - FAA
 50? Crypt. brand - FAA
 ch " " 3:1
 ch? " " B?
 100? Pariane 1c FAA
 50 ch " " 3:1
 - 50? " 2c FAA.
 - ch? " " B
 - 50 " " 3:1
 - ch? Cryptoch - Europe FAA.
 200 lata apicari.
 ch - FAA B. lateral

2 ch. Crypt not
Z + 1 ch 7/50

FAA 311
Calculation 42

ch	B laterali	3:1	
50	Banta	FAA	
50?	lateronella	FAA	
ch	"	3:1	
ch	"	B	
50?	Asteria	FAA	
ch	"	B	
200?	Nautilus	3:1	
50	Stroph. spic.	FAA	
ch?	O. latif. dies?	"	
100?	Stroph. f. fock.	"	
50?	Planus?	"	
50	Strophogyn.	"	
50	Orthis	"	
50	Stroph. fock.	"	
50 ch?	Stroph.	"	
ch	O. latif.	"	limited
50	Planus	"	
100	Stroph. fock.	"	
100?	"	3:1	
ch	"	B	
50	Bamb. finto	FAA	
50	oto Bamb.	"	
ch	Olya - Bamb	"	
ch	Olya pignone	"	
100	Phragmit.		

Former No.Present No.

26

22

27

23

28

24

29

25

30

26

31

27

32

28

33

29

34

30

35

31

36

32

37

33

38

34

39

35

40

36

41

Color slides
No number

42

37

43

38

C.E.C. 1968 TROPICAL AMERICA

Former No.

Present No.

1	1
2	2
3	3
4	4
6	5
8	6
9	7
11	8
12	9
13	10
14	11
15	12
16	Color slides No number
17	13
18	14
19	Color slides No number
20	15
21	16
21a	17
22	18
23	19
24	20
25	21

6 Jefe

514 FAA. 1^o Cryptol.

515 B " *loja*

516 O. Stanley FAA, *loja*, *talla*, *renat.*

517 " J FAA, *inflore.*

518. " B - fl. ♀

519 " 3:1 *inflore.* (♂, ♀)

520 *Bambusa* (Jark. Des.) FAA, *loja*

521 *Crypt. de comp.* - FAA *compa*

522 *Schneidius*. FAA, *inf*, *loja*

523 *Pharus*, *compa* FAA, *loja*

524 *Bambusa* (*talla naranjo*) FAA "

ca. f. 3:1 de: (4 *francos*)

Tento - *Paniana* 1^a, *Paniana* 2

Cryptochl. violeta

~~ca. f.~~

Lalobella FAA, B,

Adenia, FAA, B

Martica FAA

hoy (Bano Colorado) en *francos* nitio

FAA: *loja* *Strep. Solingana* y *Strep.*

Strep. fultus (*francos* al *reparar*)

