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About the Institute

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.

48.

verte!



long 94

lat 53

int 21



C. subcaerulescens

1550/1

P. caudata Behoudek No 17

48

class 39



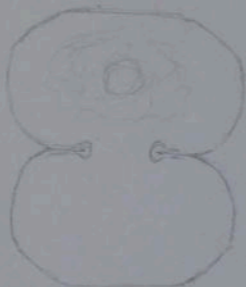
1750 //

verte!



51

long 36
lat 31
lat 10
mess 20



C. rectangulata
(nd var. hexagon. S. f.)

1550
1



Crowdale Labrador No. 17

32

long 30.5

lat 18

ist 5.5



2428 /

C. baerziana Ghl

Lept II: 2

(*C. macrocarpa*

forma

A. baerziana

abundant

1:9)

Crass 14.5



Crossula Labrada 2428

7)
VII-24
SP B

Long 29
ht 30
wt. 10
VII-34



7

1550

Cosmos - ?

only one seen
could not turn him!

Cosmos
C. bipinnatus

Cosmos Labradore No 48

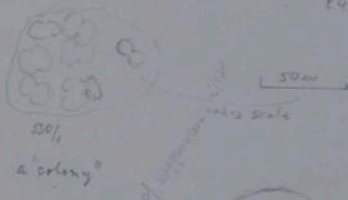
long 17
 lat 14
 alt 5
 Grass 10

Crossman.

Fig 3



2434/1



?



Crossman Labrador No 48



new 7



if
 Wollastony
 Lathyrus
 Nigra

2428/1

C. novae-angliae

long 16
 lat 12
 id 3.5

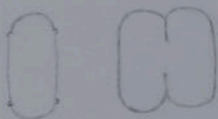


2428/1

XIII-8
 OK

L

long 7.5
wt 8
wt 2+
area 4



$\frac{v. 2420}{1}$

C. repens? or *Sphaerocarpus*?

cf. *Pygmaea*?

$\frac{XIII}{1} = 9 \cdot 10$

35

long 9.5

lat 11.3

cran 5.5

ist 6.5

~~11.1~~



7

2000/1

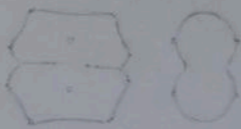
C. pygmaea ?

700-709

Proximal Chamber No 12

121

long 8.5
lat 9.5
ist 2
cav 5



2022/1

C. sinuatus ??

This I have met with in several samples from Trinidad but I have never been quite sure about its identification. What do you propose?

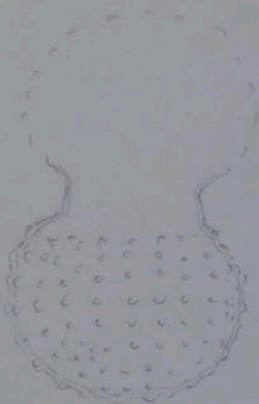
It is so small that it is at the limit of visibility, especially the details.

XIII 23/14

Acadale Labourea NE 4

47

long 52
lat 30
rad 17



cuticle circular

Cross section

Cross section Labrador 17

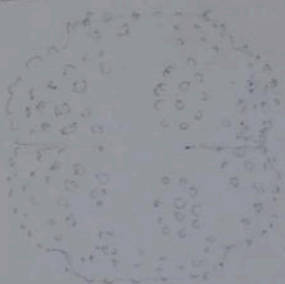
59

XIII - 2726

long 35

lat 35

100 01



Tilted!

1550/11

C. ornata \times
var *perornata* ?

ok

Crossedale, Labrador No 12



11/23/11



2/

long 62
wt 52
1522



1510 //

Cross-section

VERTE →

Cross-section, Labrador 1961 NE3



1851/1

*C. caniflora**Crocidium lobrochii* D

10)

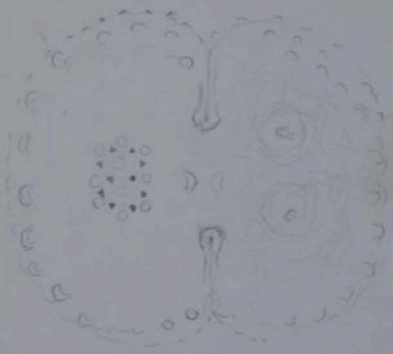
Long 249

Act 44

Est 13

4 WT: 35-37 Grönbl. 1931

? Coron. univacuata. 466



1550/1

It has also something related to
 2 univacuata and 15 varieties.
 C. oligocaryos

20

Grönbl. Labrador No 4



1777/1



Cross-section, *Lebanon 1818*

1777/1

↓
Verte

Long 50
Crown 26



1550/1

Long 52
lat 45
ilt 18



53

62

Long 110

Lat 80

Vol. 26.5



C. f. it. unguis stem

1550/1

Cross-section Libonia 13

68

July 28

lat 27

ist 7



cosm. sp. —
(*C. crenata*?)

open retuse

1500/
- 11



of Cronquist's
figures!
Specimen
Cape Florida

Crocodale Labrador 13

17)

July 23

lot 12.5

class 18

at 5.0

Quibest?

900 mg
100 mg
100 mg



2425 / 1



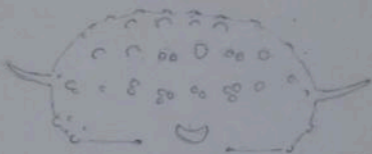
Proxipala Salvadori N.C.

29

class 22
no 9.3

long 26
size of lat 35
c. sp. " 48.

Spiniferum *Gaudichaudii*
(Wood) Presl & Sott



1550

only one seen!

OK

class 24



Cronquistia *laevigata* M. J. H.

114

A

1. sp	long	70
	lat	80
2. sp	long	98
	lat	50

XVI - 1

VERTE !
→

X. Antipops. f
 thickened yellowish
 Central are with a
 central papilla and
 scattered verruculae



1830/11

Cross-section of *Labradia* No. 16

oran 30



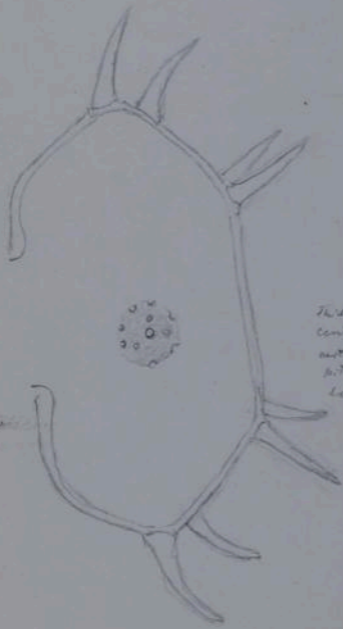
→
VERTE!

11

X11.2 B

same sp long 60
lat 57
same sp long 80
lat 80
Oct 18

X. anti. lops. f.



11111
/

Thickened yellowish
central area
with ca 11-12
pits, no pap!
la!

Verte!
→

in Cross-section 18

55-

class 33

XVI-2



1750

→
Verte!

64

24	long	90
	lat	90
33	long	70
	lat	66
	cran	40
	ist	18

2 out lops of
vvi-3

C



24/10/1913

1510/1

chromatophores & parietal
plates each with a pyrenoid

Verte →

Proasdale, Lake Dor 13



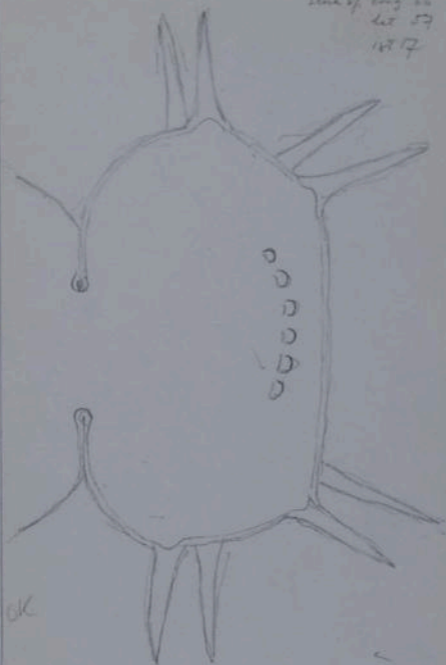
tilted

1537

→
Verte

52

2 sp long 90
lat 55
size of long 66
lat 57
1877



X. anti. long. v. poly act. stem

but not the same as the European forms:
larger cells, stouter spines.

Crossedale Labrador No 17

54

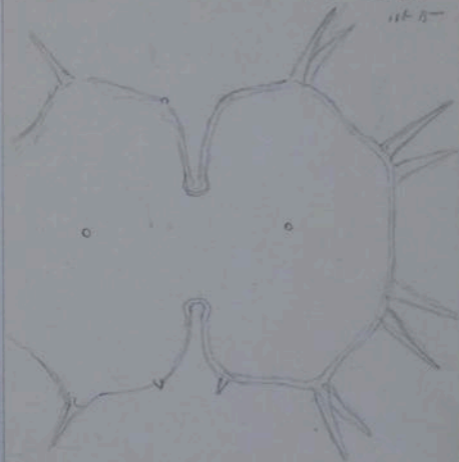
a. spin long 68

" " lat 60

2. sp long 72

" " lat 40

1185



1550

X. cristata f. (of *Sida* var. *ly* Geo.)
B. U. S.

with a small central papilla

Prusadeh, Laborator No. 18

69



1557
/

7304
-22-23-
12

cf. *S. dictyon*? small
- *Hamdenia* -



Crossdale Labrador No. 1

14/

Long 20
c. y. lat 32
int 8

II 20
Bot 1913 p. 2425
- No!
2-10-1913

Halter. Larva ...

= Draw-downs -



1150/11

Cronquist Laboratory No. 4

13/a

sinu sp. long 15
lat 13
c. sp. n 27
ist 9

XVII - 4



sample 4

1500/1

= *Stenandrium* - ?

Sten. incus v. *paucis* - ^{ind?}

Row 6

XVII - 5

sinu sp. long 12
lat 15
ist 8.5

13b



1500/1

sample 12

OK

St. pta. incus s

= *Stenandrium* - ?

Crossidale Labridae No 4 & 13

37

size spin
" "

long 28.5
lat 27
lat 7



= *Stenobotrys* -
 epilobium

↑ 2425/1



tilted!

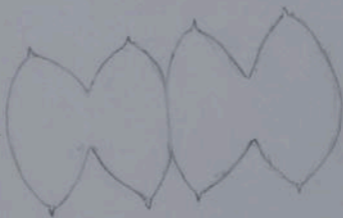
1520
x 1
←

Crowley, *Labridae* No 11

64

1211-11

May 23
July 25
- 1st 8.5



1550/1

Le. mucronatum

(*"Stenodesmus"*)

OK

Cissampelos lobulata No. 13

5) = 69

size of long 20
or 4 lat 35

17-11"

527

H. onerari



~~Fluorobrom~~



527

1

Levanderia tuberosa N° 4

69 = 5

lime sp	long	23
	lat	19
C. sp	long	29-32
	lat	28
		1st 8

17-11



1520/1

= *Stenocarpus* -

a vertice 4 angula

S. americanus?
- 2 -

Cf *S. depetum* & *undulatum* Kirchner (fig. manus.)

S. curvatum & *opacianum* (Maxon) N. S. P. & Borge 1906 17:35

" " f. *Radic. from Coast* 17:14

These two last ones
are in Borge's
opinion & Kirchner's
are *undulatum*.



Crossobala labrada 1104

72

(Kato coll.) / usug 18

cat ep 13

ist 8

17-17



x 2425
1

Stem. pilosulation from dim-dim-mious
nov. var.

West gives long 10-11

only one seen!



ok



cat. 14

ist
apertura
10

Jt

43

17-15

1007 ⁴¹ 41
lat 42
ist 19



2. nettes trianguläre

550/

et. Sluja

Han. Frankladi



1. 12. 9

Cassipoula latifolia - U = 16

75

St. radia v. *truncata*
17-17'

long 40

Lat 40

ist-17



1520/1

Stam —



axes
not
convex
but
straight

Crucifera suborder 6

16)

16)

Aug 38

Lat 39

1817



1550/

of *S. vericus*?

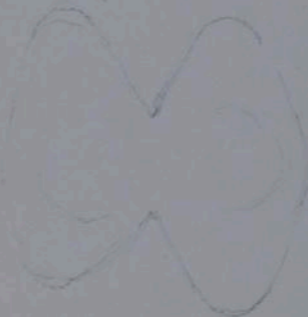


8)

long 39
wt 39
ist 13



1000/1



Crocodylus labialis No. 4

63

May 36

Lat 36

Tot 13



J. longovicum Griseb. Schlecht. 1558/1

on



Cronidia Labradus 13

SV

long 39
wt 37
ist 9



1550

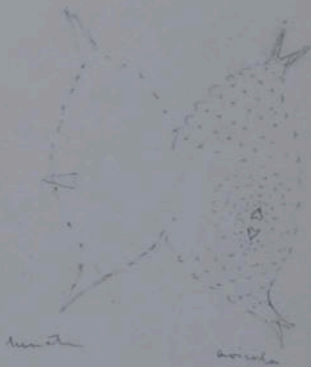
S. longicauda? of G. Blab, Schlegel

OK

P. 115 11

60

May 34
1 sp. lat 42
1st 13



1530
/

L. lunata
aricola

Conspectus Litorum No. 13

66

S. schenckii var. *depressa*

long 22
lat 23.5
sit 7

5455
1



of *S. schenckii* var. ^{2.7m} *spinulosum* *depressa*?

OK



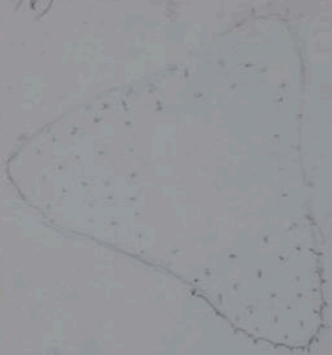
Lab 13 Cronquist

18)

Aug 30

Lot 48

Site 18



1851 / 1



Circostele Labradu - No 6

36

1st Long 15
2nd 18
same per long 4.5

1346 1/2



2498/1

L. rotundum?

OK

Coronilla Labradur 11212

42

long 24 μ
c. H. lat 21
i. lat 8



24.20
1

S. aurantaceum

facies 26

ok



Crossobola lobata IV

41

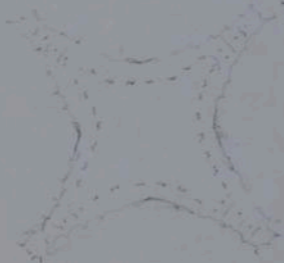
long 35
c. p. 2x 44
1st II



158
1

ad *S. cyrtocera*?

there are also in some samples more characteristic
S. cyrtocera with bent processes a vent. ca. *cyrt.*



Acrostichum 14

65

long 21

cup lat 38 (44/100)

ist 6

of *S. pseudocatali* v. *simplicis*? ^{what}



1000,



Crocidola Labridae No 13

YO

2428/1

1550/1

1550/1

Aug 20
w. p. lat 27
w. 8.5

Crucifera tuberosa 14

58

long 27
c. per. lat 32
lat 10

quad?



1000/1



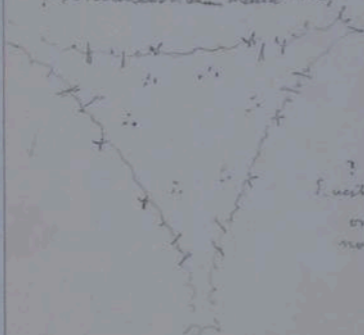
Crocodale, Labrador 11019

74

long 35
C. Mac lat 19
int 11



Stem. sp. - (1842)
? cf S. cublandt. ann. Monist. 1842, XVIII: 4 1830



?
P. ussib. m. m. ?
or
nov. sp. ?

Procedata Lakerdor 6

OMIT
INCOMPLETE

↓ "procta" ? (fibrous)

63.7.20.10



1850/1

only one sensill seen!

(perhaps your "S. barbaricum" ??)

(which I have now seen)

Procta. Labrador 5

68

OMIT
INCOMPLETE

1 May 43

at 53

127 18



1500/1

a vertice
T = angulata

J. see costatum ? or parvum ?

~~B. longicaule~~ cf. Trenae-Maria

48:10

cf. S. polymorphum = validula Merrill 1928, TRE 20

Cremata lobata ?

37 *P. phymatosporum* ?

1000 - a'

long 17.5
lat 6

a/



Penicillium sp.

Shank
11/10

2428 /
—

b/



Penicillium sp.
long 24.5
lat 11

2428 /
—

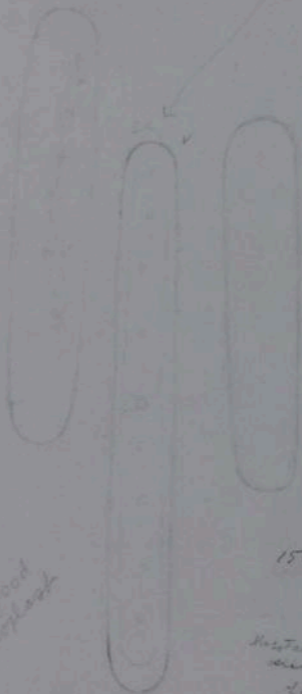
Shank
11/10

Penicillium tetradium W 12

201

1st 7.5 - 10

long 2 73



OK - good
chloroplast

1550/
11

Halimolobos
obovata
Linn.

21)

90

long 57

lat 11



1870 /

Panicum arborescens

Cronquist & Sargent No. 4

24

66.5

2026

118



gentiana-
valis

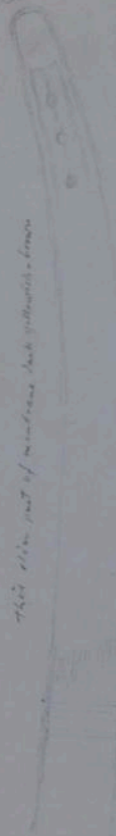
1850/11

Pen. (trigona-silvae)

Crossata Labrador No 8

3) *subsect. linearis*

Subsect. linearis long 375
let may 19
area 5



thin part of membrane back yellowish-brown



cf *Clusia linearis*
in Koenig
3211
seed anal
good?
1950/1

275 x 10
5/10/5

circulate
Lubbock 1961
L-2

73

C. fraxinea

ovoid

long 289 μ

lat. max

13.2

var 20
obj 3

(2)

150

This has some likeness to Thiégo's *Clost. gracile*
 "var. *herbicum*" XXX 13 which I find a "contradiction in
 adjecto" because *C. gracile* is and must be smooth, perfectly
 smooth. If not smooth then it is *C. fraxinea*
 cf. West. Amer. I pp. 165 "The universal of - - -"

Provedale L. L. L. Y

74)

Rafinesquina m.
910 alius

lang 304
h₁ max 21,5

14/10/1922
in 10m

152

130

155

membrane white
luteo-brunnea

14x
218/304
21
265

71

Cl. Costatum

lat 34

1550/

Costae most prominent at apex, they are thinning out towards the central part and become sometimes very inconspicuous!

Cladonia
costatum

apex lat 91

OK

Crosbyville, Labrador V

31 (C. ...)

long 32
lit 24 ←
ist 7

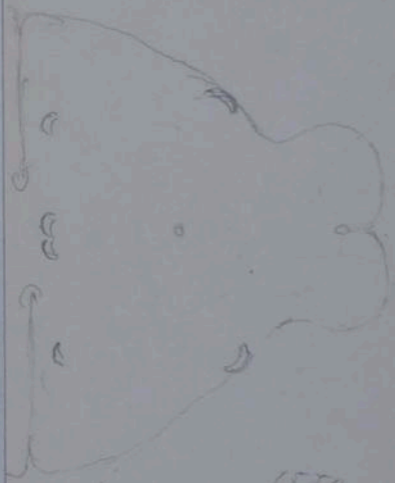


2028 / 1

Cross-section of ...

28

1550



1550

c. 93 x 60, n + 14
(coloured fabric)

crum. 35

arr. 26

Em. angustata com.



Sta II



Co = 93
Cms = 35



4)

long 26.5
lat 20
wt 5.6
Apr 13 2



2055/1



OK

Lin. bracte. / glaberrima

Chorizanthe tuberosa NY 4

21. *E. bicolor* G. Donnell-Smith
f. *aspera*

July 26

lat 13.5

177



E. bicolor f.

2428/1

There were numerous such cells
with open sirus, so it is not a taxonomically
uneless "inopha"

Crossdale Labrados 1108



49

long 29
lat 23
ist 8
max 15

E. denticolata?
Boldo v. *Guilfordia*

These are not
always present



Coverdale Laboratory No 117

72

subalpine caesca
VII - 20✓
(120)

long 18

lat 14

1st 5.5

2nd 11.5



2428/1



granulations
exceedingly small
scarcely visible



Covardale Laboratory No 1

57

Subalgina crassa

long 17

lat 13

area 10



• 2498/1



Crossedata, Labrador no 19

15) subalpinum 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27

long 18-19
lat 15-16
inf 6.5
diam 12



2400/



(3200/)

2400/



1500/

2 seeds
filled
2400/



Cross-section, Inbroad No 6

3)

long 20

wt 15

wt 3.5

cross 7

3 1/2"



2428/1

Er. montanum f.



28

long 70
lat 47
int 14



1872 / 1

En petit astre v. femur en C² d²
Lappul. I: 28

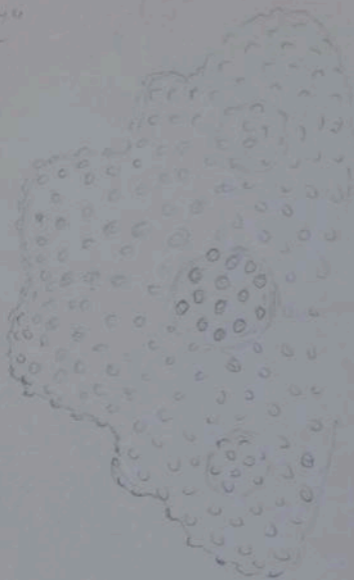
OK

(This is correctly drawn. It is irregular!)

Crossdale Laborator. N: 12

46

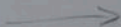
May 88
bot 76



Evergreen
F. amaurum

550/1

Verte!



Cross-section of leaf

Class 48



1552
/



Vorte!

46

long 90
lat 80



Eu vernicosum
/ *f. americanum?*
HTC

Crocodile Librabat 16

Y6

class 47



1851

no 16

45

long 66
lat 62



Eu varicosum var -

1551 /

Verte!

No 16

1550 39



1550
/

No 10

70 = 20

(70 = C. subleund f. stand d)

3 cells in row in section

En. bicolor var (translucent)



2428 / 1

20.7 x 15.1 (1.37)

with 4.7 !

Cross-section Libocladia sp. 1

67



x 5/10/1

IV-6

Miconia angulata

Long 266
A.S. 213
IV 38

Crossandra latifolia Kunth

Digitized by the Hunt Institute for Botanical Documentation

39

let 103

cross 34

IX 7



microst.
versuosa

OK

Coandula
californica 18

15

Long 41
Lat 21



Sample No 9

1550 /

P. cucurbitaria

Long 70
Lat 17.5



Sample No 10

1550 /

OK

Cryptosporidium No 9, 10

- 2 -

Cosmos (*substituent*) -

apex levissime
retrusus



2429/1

long 32
lat 10
wt 8

Cosmos latvica L. & S.

17

59.3 x 40
w 122
diam 0.30

Cosm. subglobosa
unusually "thick"



OK

1550/

verte!



Crossed Labret No 11



NB!

4 p4 raised

1550

1

(another cell)
at sample 17



verte!

9)

(1941) Long 56
let 32
itt 12
class 24

of *C. repens* May in Robt. voice.

of limb. -

Tom Hal.

cutting.



Autumnus ?

1500/11



71

long 12

lat 11

ist 6.5



free
hand

cf

Laphanogomum
v. *striatum* ?

C. tin. Trem f ?

0428/1

Crocodale Labradu 1/2 1

70

long 26

lat 37

diam 16

ish 14



11-214

100/1

f.
 of *C. subterminum* ~~from~~ *Klatsch*
 Klatsch

apex truncate



Crossed by Lubenski 4

50

long 38
lat 32
ix 10
area 23

XI-26



1550



P. willardii?

Crocodile Labraia No. 17

19

lot 21



1550/

OK

Hyalanthus hookeri & *hiemalis* (or *tabernaemontani*?)

Cornwall, Labrador No 7