Seeds

3	4
10/5	7
9	18
11	6
9	8
9	8
	9
6	
10	7
10	4
4	3
9	0
	8
8	
13 9	

$\bar{x} = 8$

12.6/pods/pie

Vinsa - Boa Barrenas - Augusto

Pod wts
18.5
19.5
20.5
19.0
19.0
23.0
20.0
17.5g
21
18.2
21.5
21.0
20
14.5
11.5

$\bar{X}$ 3.8gms SE = .14
~~3.7gms~~

avg ms 180gms 70gms = 250gms/day

263

19 ± 2.86
07-1

Cafetal atrás de mi casa de cruce
a Beneficio 1º 260 pasos
2º 260 pasos
3º 273 pasos
[illegible]
[illegible]
20
50
20

21.51
x 10
21.51

11/11/15

Neotle Fryn
clear + calm
mid-day

♂ MW coffee 1.5m / 3m / 13m
adult while legs
CS - flash present
1b twig 5mm

♂ w wall 3cm twig 1.5 / 1.5m 1-5m / 3m
legs 1" 1b
large 3" 1b

BTGW ♂ epiphytes (moss) 6/9 Fryn
gt + dead leaf green

mixed flock

BTGW ♂ lower branch 5cm Fryn
medium Fryn
glen below branch
6/9

mixed flock

medium Fryn
♀ 4TE - phanic - green stay orchid
large down glen
5/10m

mixed flock

Nashville warbler
Archilochus
Fringe

6/10 m

reach top 1 b
beech lim

Zone B

Mixed flock

Wilson's
Tom
Mature
top o.t. m
C-
1 b glen
mixed flock

BTGW ad ♀
Small fringe

top slow (+)
(-) o.t. lim
7/11 m

...
4/25 m
beech glen

Wilson ♂
46/16 top
Fringe pattern
rapid ...
mixed flock

... ...
... ...
dead beech lim
Fringe pattern
open
6/16 m ... 3 m+
mixed flock 2

Wilson ♂ 10/10 m glen 1b
Fringe pattern
mid fringe
mixed flock

Hammond's → Wilson's ♂
mixed flock

D. flycatcher ...
B. Jay
G. f woodpecker

Ige / Accum

Plastic #2 4:00p

Mitrop Lurew 12/25 m ?/25

Sim ball - pot[illegible] 3m lb

2 [illegible] B - open

Br[illegible] Drumleglen 10/25 m/25

Sm Lec

Mixed Flush

(also Box [illegible])

G.B

~~R~~ [illegible] 0.[illegible] 3m [illegible] /25m

0.5m / 3m [illegible] 1bs1 x L

1b [illegible] 10 cm

0.5m [illegible]

Ige [illegible]

8/20m/20m 5 W [illegible]

1b [illegible] 2"

[illegible] x L

[illegible] 0.5 m

3 BTW [illegible] [illegible]/20m/20m 1bs1 ~~0.5~~ [illegible]

x2

C. Bosch Tonage
rom
19/20m thg 1/83
lin bosch dense
gutter

Inga Platin 2
([illegible])

[illegible]
3/7m/8m

[illegible]

Route #1

BSGW 3

C-2
+ 6/6m lb 7/9/14
x2
[illegible]

Lillooet 6?
2/2/14
cutter
[illegible] 2m lb
[illegible] p 14?
C-3

Rambler
3/2m 1-m
5mm twig C-3
lb [illegible]
[illegible]

Myca flux

B.6. 6m fluk 2/12/14
ioflec

twg glur 5mm
C-
outer 2

M Wabler ♂

4/5 m
glem 1b
5mm twg B-3

Crescent-chested warbler

4 x 6 ...

... pale ...

... x 1

twg 1cm 4/7M/15

B B-4

Humming flycatcher 10/12/15
Aibernia 15mm branch
large off seed pod

B-3

Solitary vireo

9/12/14 Abeza

5m twg ...

2m ds ⊙

B C-3

Nashville 10/10/14

1b gl x 2 C-3
2cm ...
2cm green ...

BTG wg 7/12 C-2

rd 1L
ro 1b ... fl x 2
1cm twg

Wilson's Ingan 7/10M

vs x 3 7/cm 1b
B-2 1cm branch

Thifting 12/12/12

5m ting C-1
belly 10 cm

RC Inglet

3/4 Citrus (lemon)

2" bd / hum th   3mm tig
back deh 1b   B-4
slender x 2

Azure-crown Hummer lemon
flower

BTHW Bud

2/4/12

2cm bud   1b slem
B-2

Wh ♂   10cm ws 1b
tig slem
10cm / 3m / 12m   5cm trunk
in Wec   plant
A-2

Acorn Woodpecker
18/22/22 Inga

Major Branch 25 cm
hummer burr at leafy epiphyte

A-open

BTBW 5
Inga 6/18 m
1.5cm branch 1bgl
C-3

♂ cd. BSBW 8/12/16

tw 8cm 1b
1b glen
1cm branch
0.3m petiole
B-2

Nashville 8/10/10 C-3 Inga (need)

rd 1b x 3   3mm tig

Tufted Flycatcher

1.5/3m coffee /1.5m

3cm branch 2" large lt

Q low sally

Open

♂

BG Gnatcatcher coffee 2/2m

out lower 0.5m lb

C-1

Tbar A ♀ 6/14 ~~[illegible]~~ [illegible]

Clustered leafs

yellow flower stalk

C-2 7mm [illegible] lb [illegible]

C.C. warbler 7/15/11

low tangle

probably base of small leafy epiphytes

x4

B-2

BTGW ♀ 7/15/10

clustered leaf tree (w/ yellow flower stalks)

probably dead [illegible]

hidden probably dead leaf

petiole perch 3mm B-3

Green Prawn 7/7/12 5m

dead [illegible]

7cm

upstream 1.5m (sally)

Open

tyg

(Hemmond's) Small leaved [illegible] 6/7/12

B

7cm branch Q open

1.2m US 7yc leaf

BTGW ♀ Small leaved [illegible] 8/8/12

Upstream 2" lb x 2

5mm [illegible] C-3

6. Pewee
Pecan tree 10/12
5 m sells 22
1cm Branch

Nov. 13 Tinga 2 8:00am – 11:00am
clear

B Jay 12/12 ? early in the way

Wilson's Warbler ♂ Tinga
1cm branch B-open
1 lip 3" ws 1b

6 F. woodpecker ♂
3/2 | 8m | 14 twig or tree
Nispero

Wilson ♂ 6/14 m Inga pilerna
1cm 1b ws 12cm
A-1

Wi warbler ♂ 4/12/12
1cm branch B-open
3" 1b lip

G.O. woodpe ♂

Tree pileated

9/12/14

12cm trunk
hammer bark with lichen

A-open

BT6 ♂ Tree lure

10/14/14

us 10cm (+) lb
slim twig x2 Smattering B-1
us + hesperidium lb slim

B tr woodpecker ♂ 10cm trunk
Tree pileated
lichen/bark slim
6/12m A-1

Sapsucker

4/12 Tree pileated
pole

near of BTG

5/14/14 Tree pileated

3mm twig lb larger 2"
us 2"

C-3

Golden-fronted woodpecker

10/15/14 Tree pileated
15cm trunk hornbeam

A-2

Nashville warbler 8/14 M
Tree pileated

lbg 5mm twig C-2

us 4cm + hover lb

Hammond's flycatcher
3 long (5m) chases → BTGW
1 hit

3cm branch 8/12 m Tree pileated

B-1 hang to ground
8 m

B+ 6W ♀ ~~Bon~~
1b g1 (damaged) lac
5mm C-2
5/10m/12 ~~Frag~~
Opposing
lected

Wilson's ♀ Frag peivna
7/14 m
B-2 3 mating 1b large 2"

BT6W inn ♀ 7/13 frag
C-2 1 cm thing
it seen
Fragaver a

26 Smith's ♀ 10/12 C-3
3 mating Frag perm
1b large 2"
1b g1

Nashville W
8/14 m Frag peivna
C-2 reached down 1b
large 1b

BT6W in 5
Frag peivna 8/12 m
C-3 5m reached 1b × 2

Nashville warbler
5/10 m Peterson
C-1 1b g1 m 3 m thing

BT6W
Peterson
1b g1 5/10 m
C-1
1 cm thing

Went back to
watch Hammond's flycatcher

Saw it chased by
Ht. flycatcher once

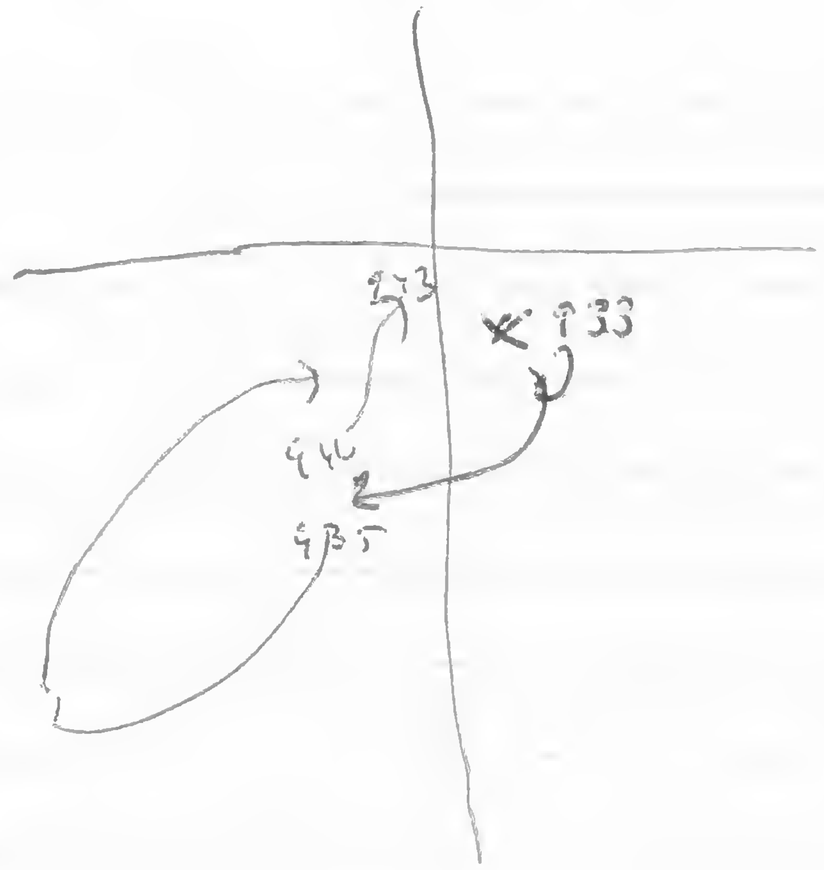
a chase 2 small
birds - hung out

around corner

9:25 6 sm
chased
within 2-3 minutes

BTGW + Wilson's warbler

9:33



934 chase ? warbler

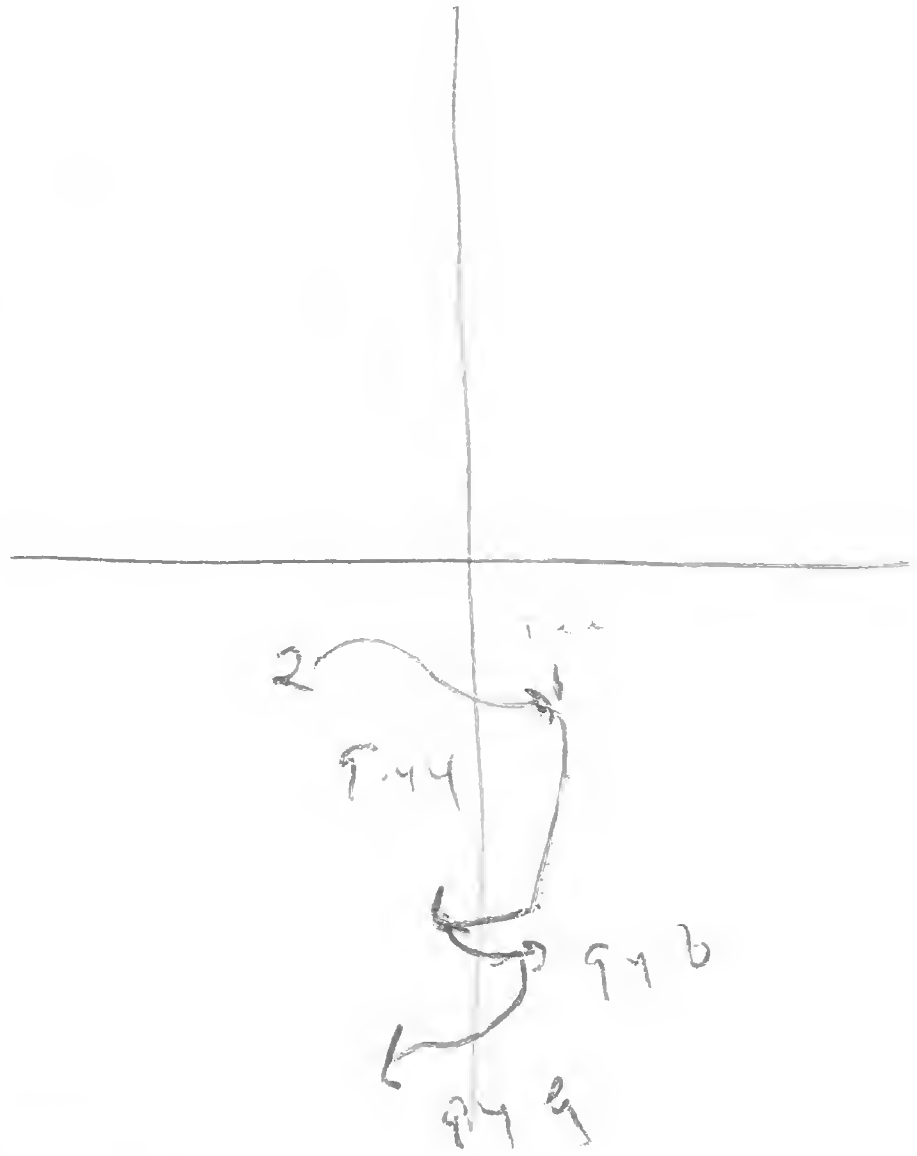
little one
lots of bugs magnolia
foraging

RC kinglet @ 8/9 Ingevera

Jumping hop 2" 1b + 2
C-3

9:40 returning
9:43 back chase 6m
wilsons
BTGwarbler 2m (9:51 [illegible]

9 Tre



9.44 moved to bee

B1 m chase BTGW

9.45 2 chases of BTGW 4
3m

9.45 8m chase

9.46 over rd

birds returning to corner tree 1

BTG warblers very close

no chasing

9.47 chase Nashville 3m

chase Lburn's warbler

chase ? 3m

9.49 long chase Lburn's warbler

9.50 lost

Wilson's ♂
B4 2m coffee | 14 m
leg 3" lb. 3m hg A-3

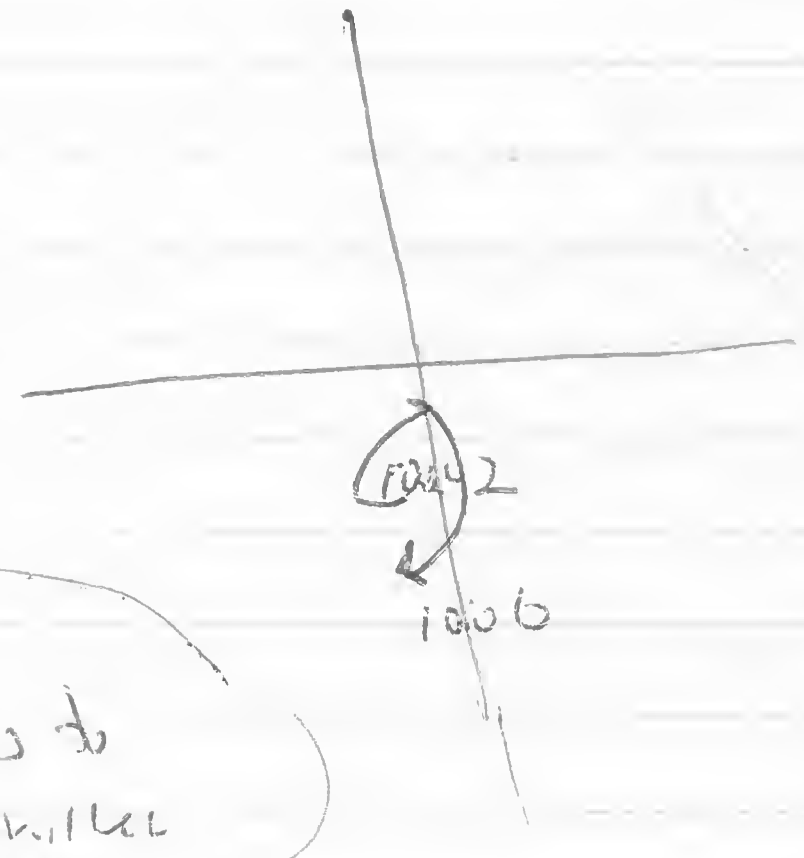
Singing Vireo
Fog a distance
4 /9m
bush 2/m yarn
B - open

Nashville Fog Brown
10/12/12
C - 2 Hazlin 5mm hig

BT6 [illegible] 7/14/14
[illegible]
Elm branches 10cm DB
C-3

10:02 Hammond's [illegible]

2 chases to BTGW
which left territory



10:03 3 chases to Nashville warbler

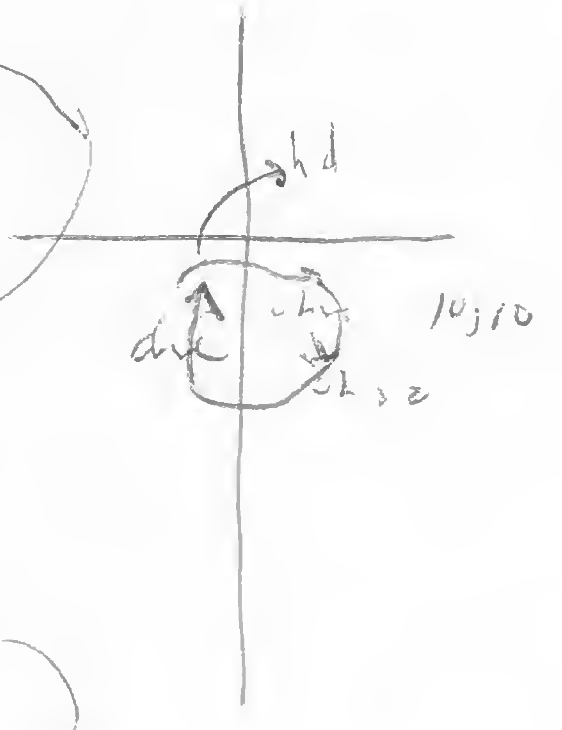
10:06 2m chase to ♂ BTG warbler

↓

coffeee

10:08 10m chase to BT GW

10:10
3 chase to 5-8 M
♀ BTBW



calls
calling

5 min BTBW

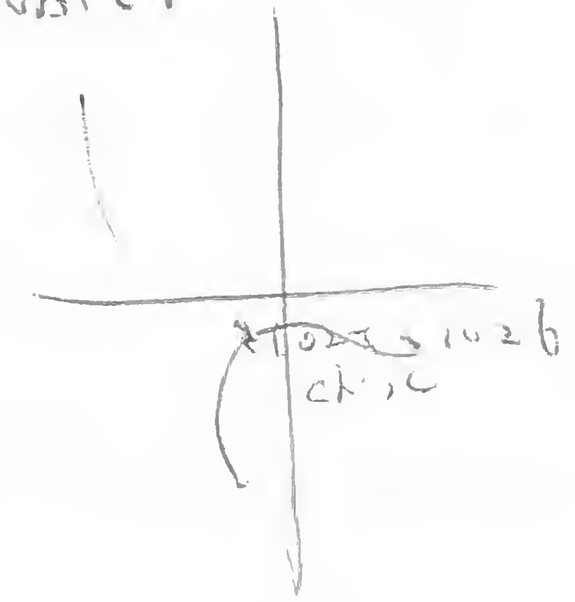
then ___

10 M follow up

10:14 lost

10:17

10:24 chase warbler
180 M



10:35

Same bird??

[illegible] this bird [illegible] 2-3 [illegible]

also 4 Baltimore Orioles

Baltimore one from very
sing or 4-5 (2-3 [illegible])
♂ probe for them
searching [illegible] from branch C-4
12/14 m

[illegible] [illegible] 5 [illegible] branch 10:17 from [illegible]
6.5 [illegible]
B-1

♀ BTGW

1 b g l   Sm ty
C - 3

I. p lwna   6/12 M

Nashville warbler

6/14/11   I. p lwna

C - 4   5 m a ty   1 b g lean

Another Hammond's chase →
warbler

→ chase Wilson's

→ Tom chase

13

Pm near House
Hounds → BTGW. 1 u n

Hammond's
light overcast

11/14 7

745 by House Jay
found H. flycatcher

7:55 a tufted [illegible]
756 ws 1b
8:00 ws 1b

8:03 - large Jay left ⊕
804 large Jay left

[illegible] BTGW nearby

806 Big [illegible] Jay

809 - calling in response
to neighbor

Saw 2 BTGW nearby interaction with neighbor continuing

811 - up [illegible] left

8:20 Solitary Vireo,
BTGW in 10m no chases

8:27 Back to territory 2 — overcast + windy
[illegible]

835 Mixed flock coming

Saw Hammond's briefly in
mist - no
chasing

Tennessee Warbler

6/18/18

7 present

Slow at 1b
hydrogen 1b
5m track

C-3

Inga 10

Tennessee Wa 10/20 M 1 by 1

I may

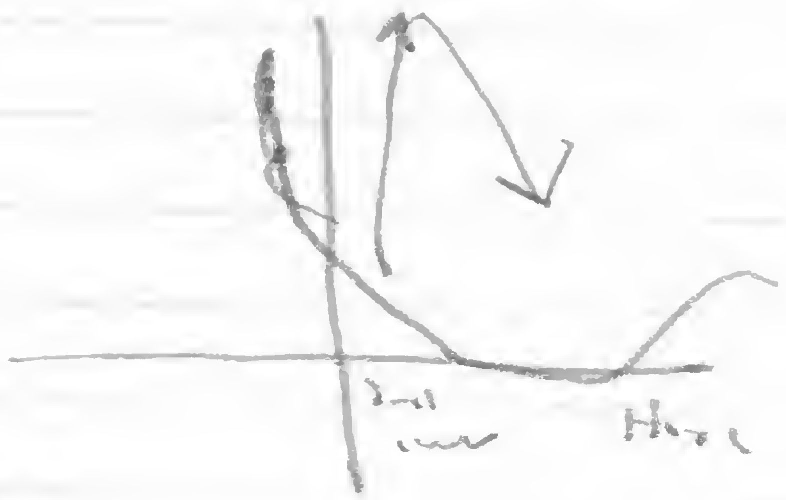
C-2

MW 3/12 Inga

rush 1 by 1 3m C-3

Inga

Mixed Flock



BTG [illegible]

Inga Peterman

3m C-3

1 by 1

Flock

BTGW 15
Wiwa 5-10
TEWA 3
Nashville
B+W Warbler 1
Gnatcatcher 2
Solitary Vireo 2
H. Flycatcher ?
E. Pewee
Y-bellied Flycatcher 1
Y.B. Flycatcher

Rustic 1 11/15 midnight (7)

5/6 [122] large [illegible] 1 tgl [illegible]

C-1

W.W.? 17/12/17 [illegible] 2" [illegible]

large ? 1b

C-3

83

11/16 Sunny - warm

Rustic 1 [illegible] 84

B. [illegible] 6/14 large edulis

hammer trail [illegible]

A-open

B. [illegible] 19 top of hill

0-0 [illegible] Solitary

12/13 [13] large edulis

[illegible] 2" 1b [illegible]

C-2

bear area on top of hill

Sal. [illegible] 5/6 large edulis

large 2" [illegible]

[illegible] B-2

8/12 H. [illegible] only

3 cm 6" [illegible] x3 1b large edulis

B-1

BT6

MSC

B+G women ♂ 8/12

I. editing

C-2

VS lower 3" l b

5m

Nickville 12/12 5mm

thyle C-3

Z. editing

B. Curve 6/7 I. [illegible]

(pair) 1b 3l

C-3

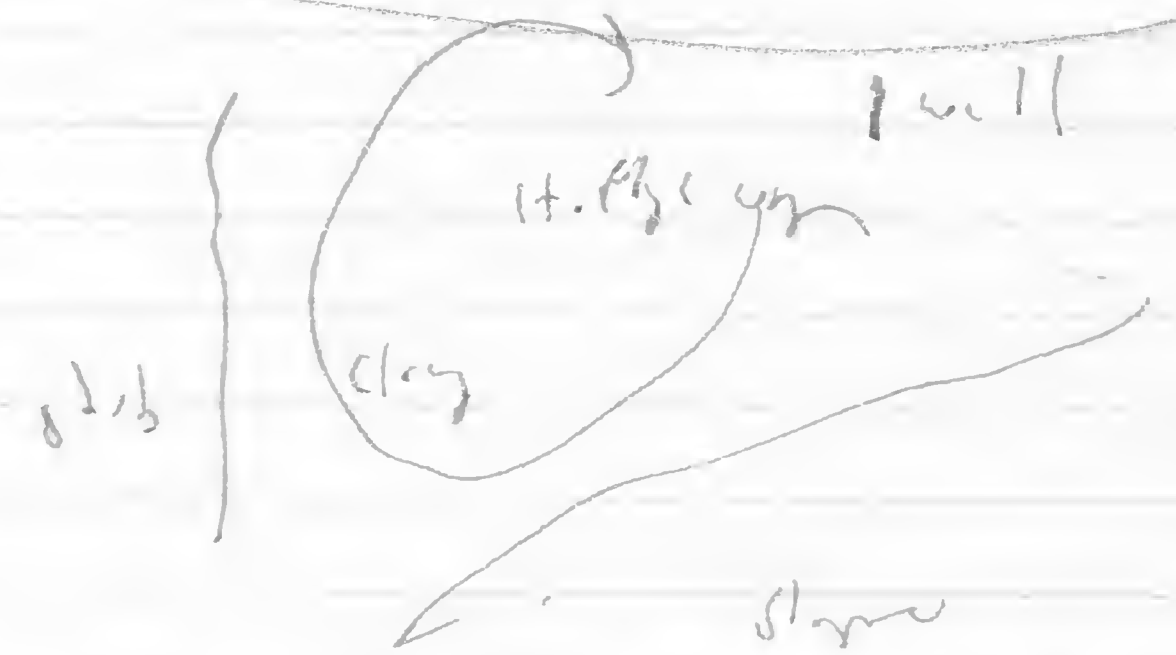
clam [illegible]

Gnatcatcher

* 5mm 2 chases but didn't see who chased

R. B. [illegible]

Branched flower 10/20M



B+W 5 [illegible] 2cm

8/10 15 [illegible] editing

B-1

S. T. Roosters

T. [illegible]

W. W 5 ? w/o? [illegible]

Mixed group 2-3 BTGW
2-3 WW

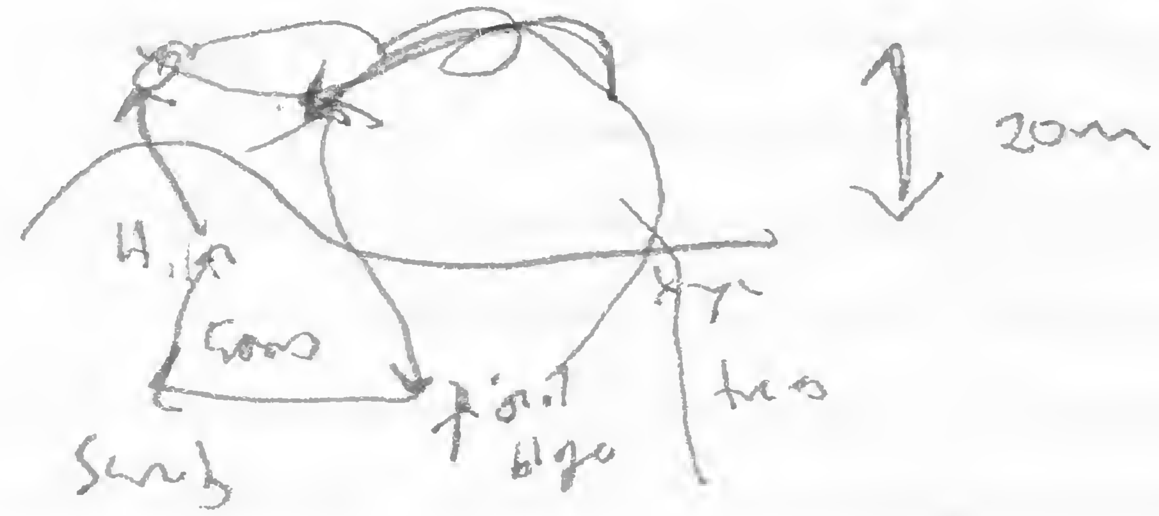
Nov. 17 8:30
Rustic
Hilltop

WEV 1cm 6/6 large 10cm ht
rv 1b Fuga
B/B C-2 edulis

W.W.W.m inmat
1cm US 3'' 1b Fuga edulis
g.7m C-3

BTGW inmat ...
2cm br 8/B Fuga edulis
1h rv

Hummingbird Citrus 7/4/4 orange ?
5/8/12
2cm branch
US 10cm 1b big gray
B-2



old Flycatcher

H. Flycatcher 2cm branch
US 30,
1m 1b Fuga edulis

10 min. watch no chases

BTGW adult 14/10/10
on hilltop

2cm branch large 20cm
1b hang up

B-2

Large leaf tree

Respiratory
Black/Red Wiwa
near net 19

Mixed group in ridge

♂ad BSb um
im ♂ BSb um
♀? Wiwa um

+
nearly 3 Br. Silky flycatchers!

On top of ridge above net 17
♂ Wiwa olbl 9/9 3 adults
Solitary 5mm tg c-3
(not in mixed flock) cs 2" lb

Wiwa ♂ Red/white
13/14/17 c-4 5mm lay lb
3"

♂ im? um near camp 2-13/18
coffee lemons 3" lb

MSK Down Ridge in open
BSb ♂ 5mm br
12/14 7sm
glen Branch

Gnatcatcher in mixed flock
10/12/14 glen lb
7mm c-3

Nuthatch 12/14 c-3 Fog Falls
lbs/ x 2
Sam ty

B. G. Gnatcatcher
lrge 3" 1b
Brown brd 12/14 c-3
Fyge [illegible]

Bri tree [illegible] 9
Fyge [illegible] 18/20
1t glw
c-2
lcm brd

11/09
Fyge 2 foraging

G f woodpecker 7/9/9
10 [illegible] trunk open
hammer

Cf [illegible] 5/7 Brown
[illegible] Brown in the same
patch

G [illegible] 2 Minute
[illegible] 2.5/2.5/1.2
.5 [illegible] 1.5 m

[illegible] 5 [illegible] 15/2 minute/7m
[illegible] 5 [illegible] B-2
lrge 2" 1b
[illegible] brd

[illegible] Bl[illegible] 3/6m/7
Brown [illegible] patch
in the same

W... ...

7m back 1.5M /9...

... coffee bag

back

solid...

Sand... Bullocks ...

Sighting

0.8 ... 10/12/12

...

A-2

11m ...

sol...

W... ... ...

2/2 coffee /12

... 1m

C-1

W... ... sol...

2.5/2.0

C-2

5m

... 1+

10m

Acacia [illegible]

7-8 BTGW
1 H. Fly
1 [illegible] Acacia
NW [illegible]
H [illegible] 2 [illegible] BTGW

1 H Fly 10/12 Tyge [illegible]
[illegible] x 2 [illegible]

BTGW [illegible] C-1

BTGW [illegible] C-1
[illegible]

2nd [illegible]
B GW [illegible]
BTGW Acacia
NW Acacia
BBGW Acacia
3 [illegible] Acacia
[illegible] Acacia
1 H. Fly Acacia

A[illegible] Tyge
8 - BTGW
1 BBGW
1 H. Fly [illegible] 2
2 N.W
[illegible]

[illegible] C-2 [illegible]
8/10 Tyge/10
[illegible]

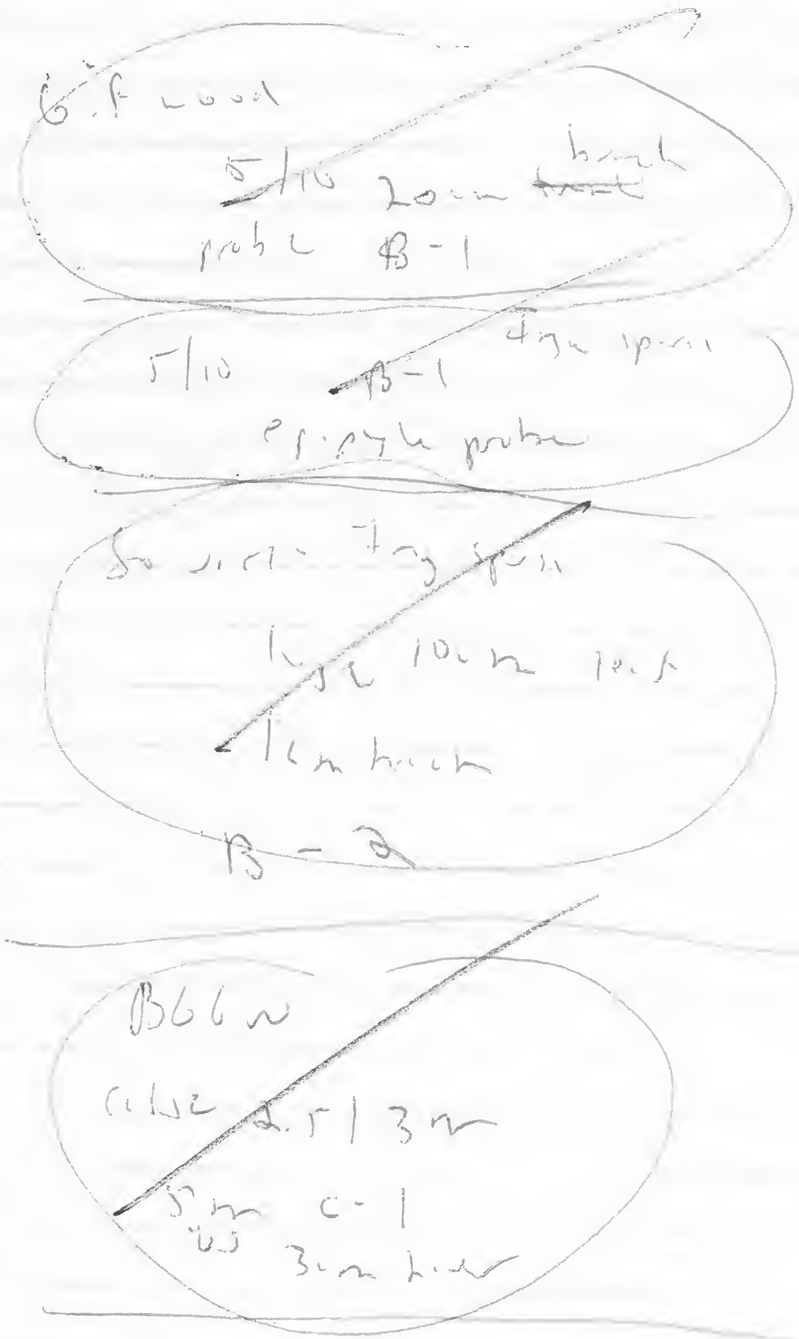
4091
added [illegible]

NW [illegible] 1b [illegible]

BTGW [illegible] C-3
10/12 Tyge

BBGW B/4 C-3
[illegible]
[illegible] 1b Tyge
[illegible] 1b

NW 3/3-5/10
[illegible] C-1



B... ... Acac

BGGN ... 2/2 11/2 ... 16 ... hg

J... C-3

11/12

S... Acacia ... 1b

8 ...

C-2

BTGW ... C-2

8/10 M

6. Chu... 1/2 ...

B-4

... 2" ...

RTAT 2/2 ... 17 M

3 ...

H 4... 4/6 7 ...

3 ... 0.7 M

B-1 ...

H ... Acac

2 ... 1b

B-1

Fl... in Acacia

BTGW

NW

BGGN

B...

B... Acacia ...

... B-1

2/2 ...

6 C... 1/2/15 Acac

... 0.7 M ...

... 10 ... 2/2 ...

NW

C-2 .18 | 15 m

[illegible] 1b [illegible]

Accum [illegible]

4-7 BTW

3-11 BGWN

2 NW

Baker [illegible]

Swing [illegible]

A flyc

BGWN 5 [illegible] glen

10 | 15 m

C-2

A flyc

8/15 m 1.5 2 in [illegible]

1b

A flyc [illegible] Number

Dcflyc

3 [illegible] 0.7 m

7/8 B[illegible] /20 M

---

6 CRW

7 [illegible] 2.5 [illegible] | 15 m A[illegible]

[illegible] 1b

[illegible]

NAL Accu

6/15 m

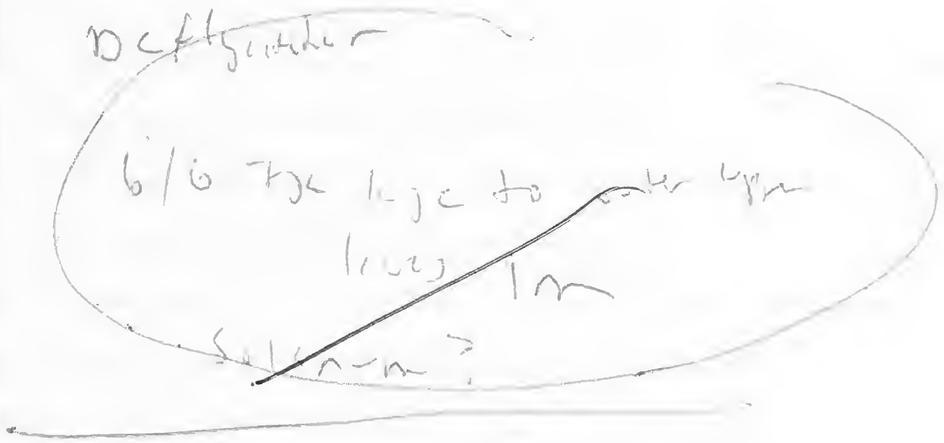
1b slew [illegible] C-2

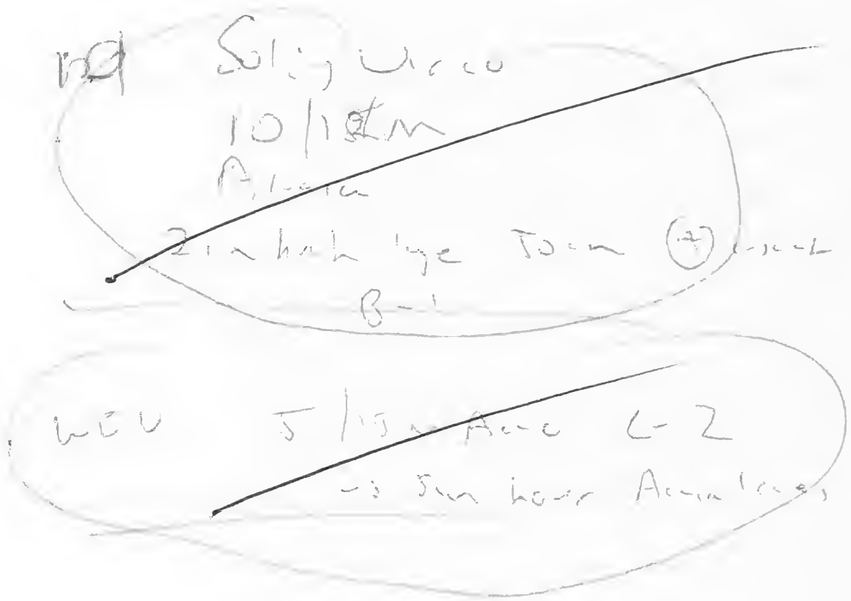
[illegible]

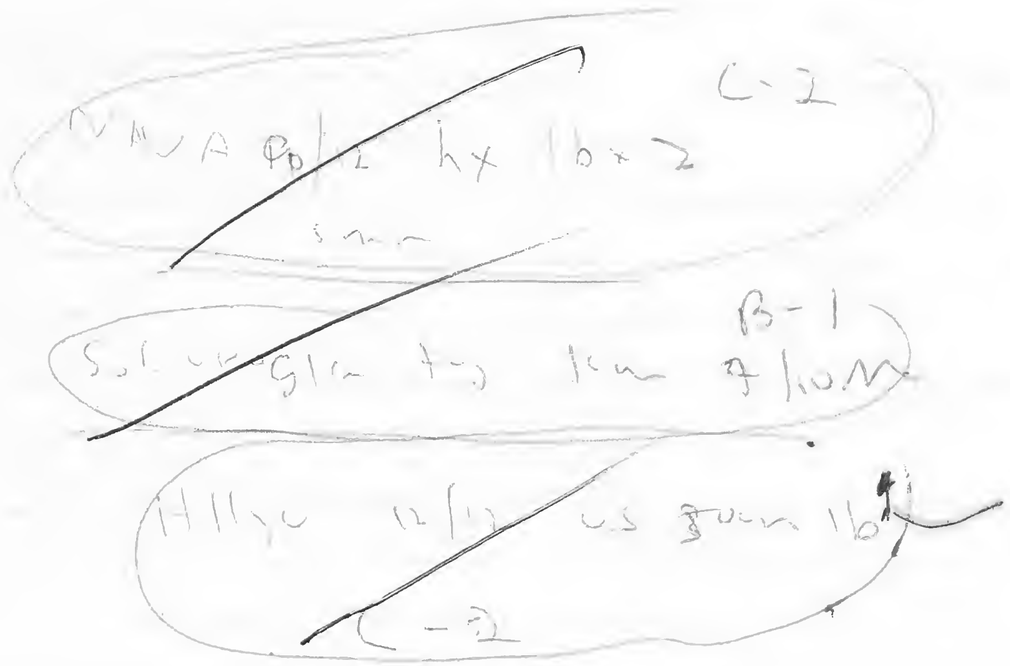
[illegible] 6/15 m Accu

5 m C-2

1b slew







Accra 1 [illegible]
8:00
Small MST

H Hgc [illegible] 50 cm [illegible]
B-1
MST
Inga med 1b
8/10/10

N. [illegible] ru new Inga [illegible]
8/10/10
Small Inga MST
C-3

Bird [illegible] 8/10/10 MST
med Inga
large 30 cm
1b →
2cm [illegible]

B 6 [illegible]
5 m C-2
1b
8/10/10 Inga-med
MST

H Hgc → 2m 4.0 Hgc (stayed)
→ ?
[illegible]
MST

N [illegible] (Bird ♀) ([illegible])
10/12 Med [illegible] Inga
[illegible]
5 m C-3

H Hgc 8/10 12 m MED Inga [illegible]
no [illegible]
[illegible] 30 cm 1b
[illegible]
[illegible]
[illegible]

H Hyc 8/10

Sshy

med. Inga

Sandwich [illegible] ib (hg?)

Rcm [illegible] B [illegible] ib

B-open

11/25 nthg

Over C-14 [illegible] solely

R/wx WW

8/10 C-open glass ib [illegible]

[illegible] 10cm ib

More

9 [illegible] 2/2 [illegible]

[illegible] ib [illegible]?

C-1

[illegible] 8/15m [illegible] ibg [illegible]

C-1

[illegible] 8/15/1.5m [illegible]

ibg [illegible] C-1

[illegible] 8/12/15 [illegible]

B-1 [illegible]

Hafly 10/12 Fm "pulsing"
2 m Bo m - s lb
B-1

Hafly 8/14 Fm Pulsing Sohly
2 m C-2
1 m lugs lost

11 pc Fuga I

Di H... pulse ...
2 m ... lb
Most C-1

Sol ... pulse ... lb
50 m ... lb
... 2 m ...

HaFl 8/10 Fuga med
2 m 30 ... lb x 2
B-1
sol

HaFl 12/14 ... 2 m ...
A-1
... 30 m beach
Sohly

... sol
8/13 ... fuga
C-3 5 m ...

W... of [illegible] 1.5m

[illegible] B-3

US 2"

NAVA MSF ... [illegible]

[illegible]

3m [illegible]

C-1

[illegible] 8/1 [illegible]

[illegible]

A-1

S... → [illegible]

8/15m [illegible]

B-1

Resi[illegible] !

[illegible] | [illegible]

5 [illegible] 8/12 [illegible]

[illegible] 10cm [illegible]

5m

B-2

MSF

MSF

10-14 [illegible]

8/12 [illegible] 5m C-3

with 4-5 cm of [illegible]

[illegible]

B[illegible] 7/10 [illegible]

3m C-3

[illegible] 8/9 [illegible]

[illegible] C-2 3m

B66N 7/4m [illegible]
5m [illegible] 1"
[illegible] MOF
C-3

H. Fly 7/9 [illegible]
1m w 30 cm
B-2

MW 15/2m coffee 1bg1 3m
C-3

S WW 11/12m coffee A-3
1bg1
5mm
([illegible] after WW)

BTBW [illegible] 7/9
Um
C-3
Solitary 5mm [illegible]

Naw[illegible] 7/7.5' /18 Spruce
5mm [illegible] 2"
1b

B66N 7/18 [illegible]
1cm
[illegible] 3" 1b

Sovi (Solitary)
8/13 [illegible]
5 cm [illegible]
90 cm [illegible] (+)
A-open

Unwin [illegible] ♂

1/5m
2/2 coffee 2 [illegible] brown
Billy up [illegible] (p[illegible])

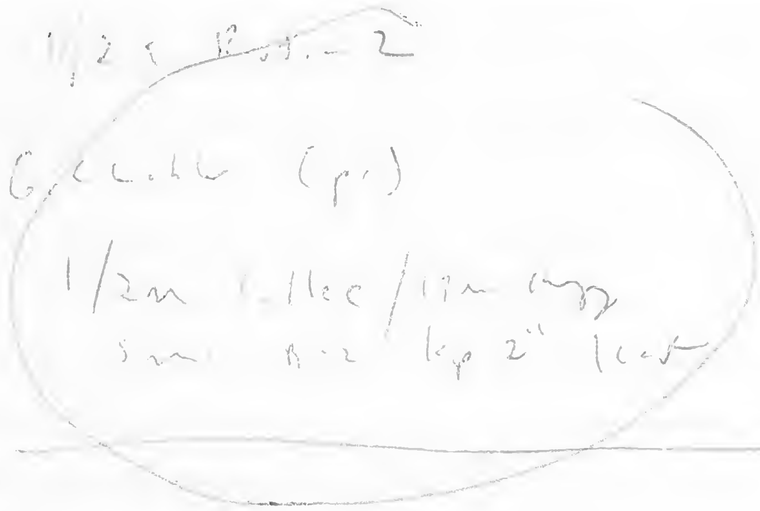
Salty Rootie 2

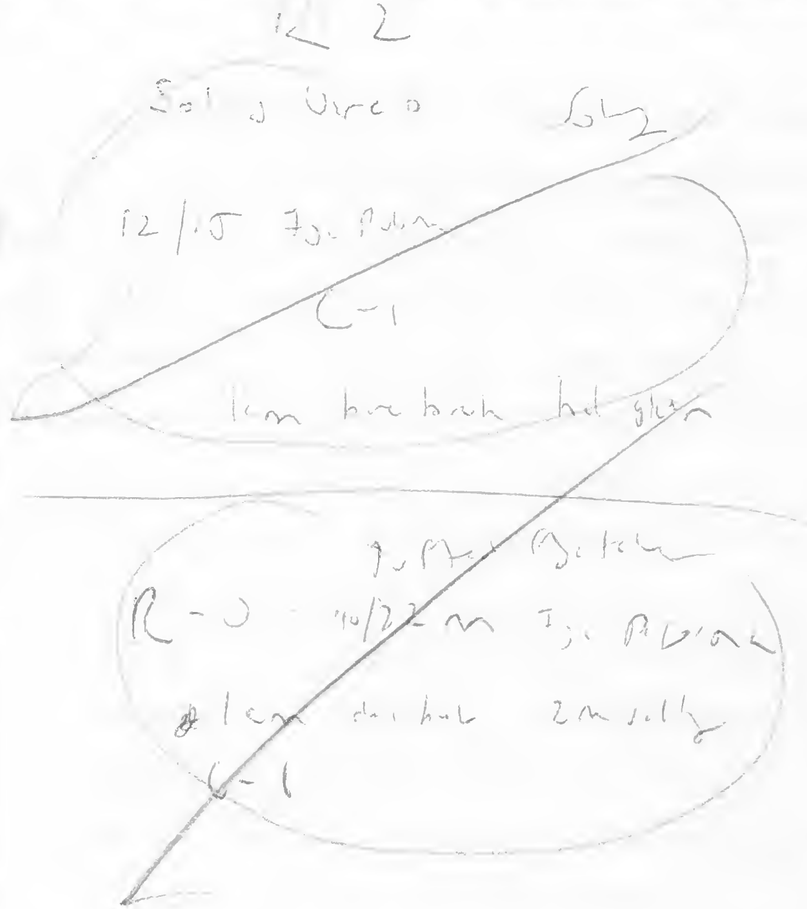
CC Warbler 15/20 Most
C-3 probe dead [illegible]

KC [illegible] Bran[illegible]
[illegible] 15/20 = 4

Cordilleran Hatch[illegible]
4/7 [illegible]
/20 [illegible]
?
[illegible] 20 cm
[illegible] B-2

CC Robin 3-4
Brush [illegible] [illegible] in [illegible]





[illegible] 1/18
[illegible]

A-17 um ♂ W. Warbler
~13m 1/12 M [illegible]
[illegible] [illegible]
[illegible]

Follow a flood
[illegible]
A-16/17 to
corner

[illegible] A-16/A-17
Tropical Parula 4/5 M
um Orangeline
[illegible] Tr 2 [illegible] C-3

C. Bush [illegible] 2 um
7/10 C-2 [illegible] 16
[illegible]

Nashville W imm ♀
W W ♀ um (Injured)
W W imm ♂ um
W Flycatcher

Brown-capped Vireo!
[illegible] Vireo → Tropical Parula

Inga [illegible]
Bb [illegible] ♂
6/12 C-2
Inga 3m

B+b [illegible] 7/10 M C-2
[illegible] [illegible]
[illegible]

[illegible] ♂ 5/12 M
[illegible] [illegible] [illegible]

A-open
B+[illegible] ♂ 9/10 [illegible]
[illegible] [illegible] [illegible] B-2

7-20 @ H. flycatcher
W.W

A-20

Sitting wires

large (?) 4/2m

B-open 3m
hop up in glean

Cardillin flycatcher wire
A-20

Mawk wire off 3/3m
3m bush
flycatcher
(large) it?
B-2

C c. warbler
2/5/12 orse ~~orse~~ in alder C-?
3m bush
little 1/2m B-4 leap

Corner near house

♂ ww → ♂ w warbler

Hefly little
3/3 5m bush
Sally 3m over road
open B

C. C. Warbler 2/3m little
4m bush
large 2" little leaf Mst

R.C. Kinglet large (?)
6/12
2m bush
B-ope 1b large (?)
2"

Solitary Vireo
7/12 Paterna
A-open
MUS 10cm hg down pch 4cm
glm hook

B-25 (Near former nest site) NO MSF

♂ W.W. ... Resina
♀ B Bunting
2/3 2cm A-2

US 3cm ...

Nonest
... Warbling Vireo ... 9/8/12 ...
US 10cm x2 flowers)
B-1

New flock F-20

BTGW ... R/R

B GG ... hg down ... crane
Ibj ...
... 4/10 m

C-3

Blue Vireo
2 Solitary Vireo
2 ...
Nwarbler 1/12/12 C-3
3m probe flower buds

B 1 GW ... C-2
4/10 ... 1 + glean 2 ...

S. Vireo F-20

6/7 C-2

1cm rock dam to it?

(+)

Ing. a paterna

RC Kinglet

6/8 m Ing. paterna

B-2

us 10cm

nm branch

BC Vireo MSP

Ing. byfated

10/11 us 1m

us hang

Blue-winged Warbler 6/10 Ing.-bylated

hyp...

F 20

Bt Warbler 6/10 m

10cm trunk

Creep

S. Vireo Ing. adults

14/11 dam branch

us 10cm - eastern branch

B-1

RC Kinglet C-2

2m 1byl x 3

6/10 m Ing. paterna

E-18 A. flycatcher un

Centropus 14/14 ... - no leaves

Sally 3m into air

dam branch

F. B. Hummingbird

B+W in ♂
back 10 cm
Pig + lichen
B-1 8/10 large edulis

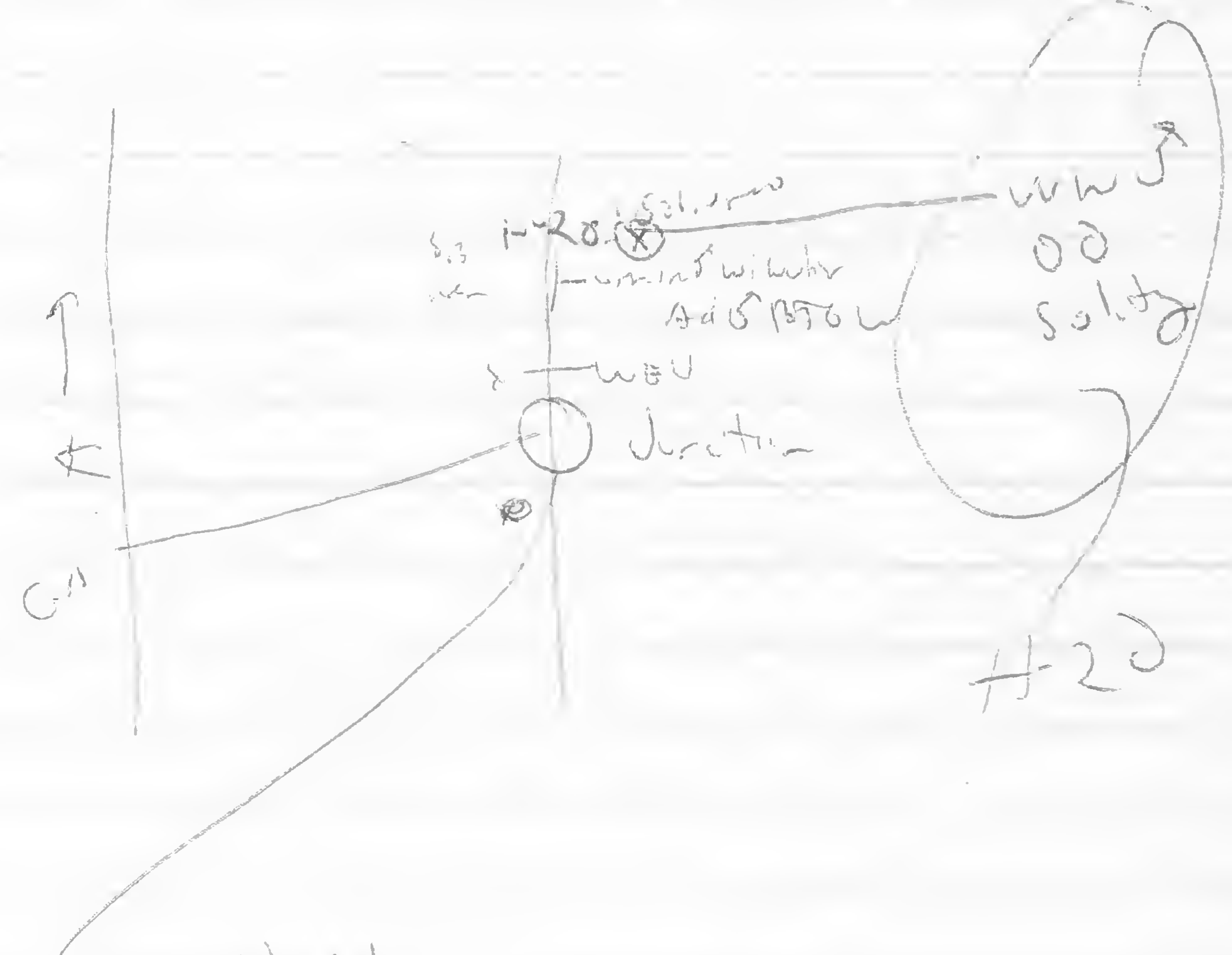
S. Lichen ... ld

PCA ♀C 8/9 large edulis
C-1 large 10 cm ht ?

BOG w met
large palm 6/8 m
C-2 3 mm 1b g ...
1 BGW ... Warbler

BC Vireo 6/10 m
Epiphytic vine fruit
1 cm plant
Vine B-2

W-Winged Tanager
F-18



um Hefl.
um ♂ Wilwarbler ground foraging

B. C. Motmot

S. Burro ... ld

Ad ♂ BTGW 4/5 C-2 glean New ... leaves
Solitary 3 m

Song sparrow (solitary)
foraging probe

B - 1

5cm 10cm large lbt

1/19
Cemetery

B, Euc. 20m below canopy

w.w. & light blue ?

H flyc. un 5/7 /25m Lupinus

B - open
20 m w lb
solitary

B-2

N. oriole 15/30 Euc.
flower probe

10-15 Nw in Euc.
Schlerophyllous [illegible]

NW

20/30 flower probe B-3

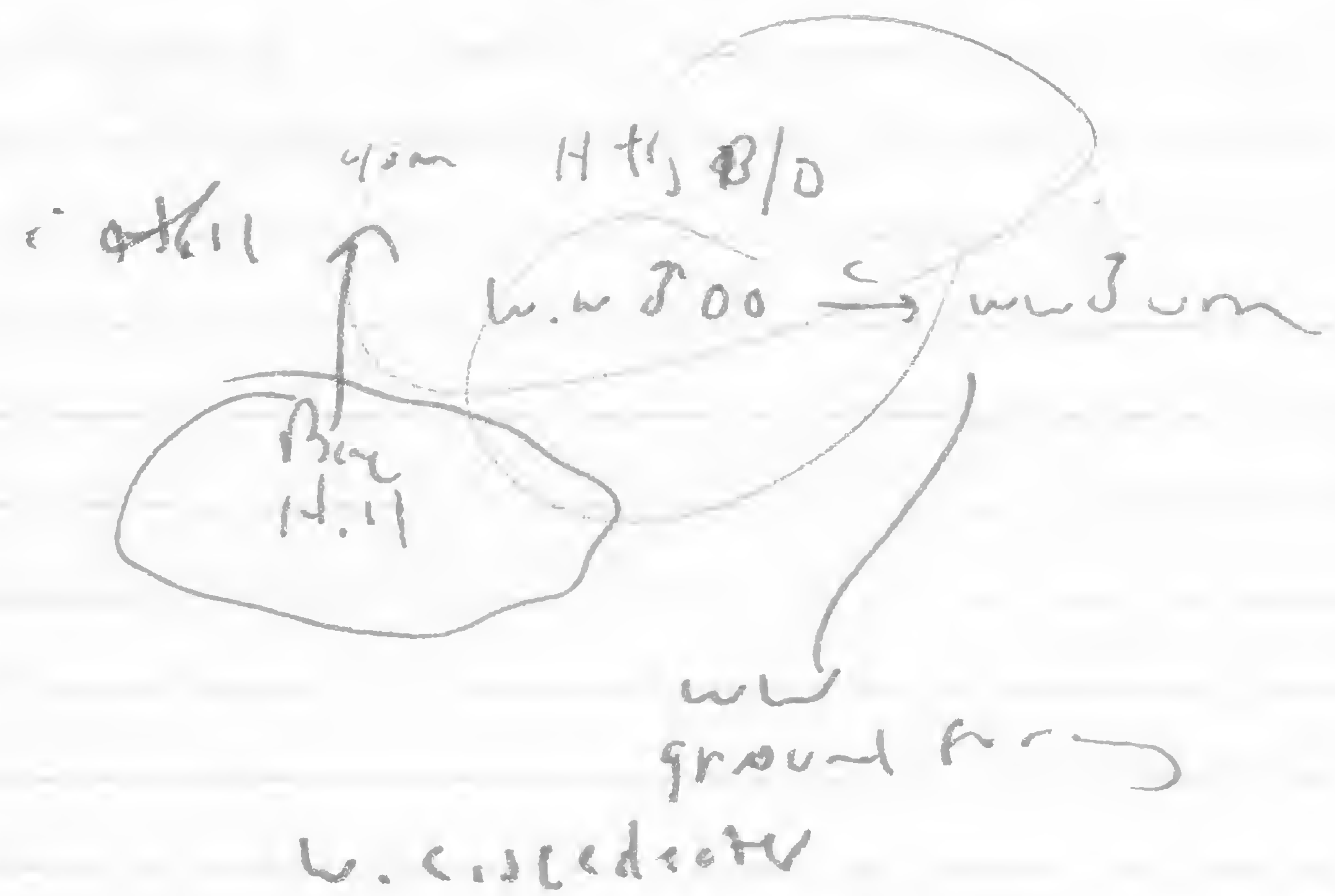
N 10/30 [illegible]

Nw probe 10/15 Eucalyptus flowers

Nw 5/10 forage 2m C-3
probe New Eucalyptus flowers

Sop — coffee 0.2 / 2m / 12m
10m trunk large 5cm lh

12m to Solitary



Y.T Euphonia (?) ♂ fruit
4/4m 5m B-3

T. parula 7/8 Tyc

C-3
5m lh sticker

60 m farm b. n top

B. C uvico — same … fruit as yesterday

7/8 M 5m bah

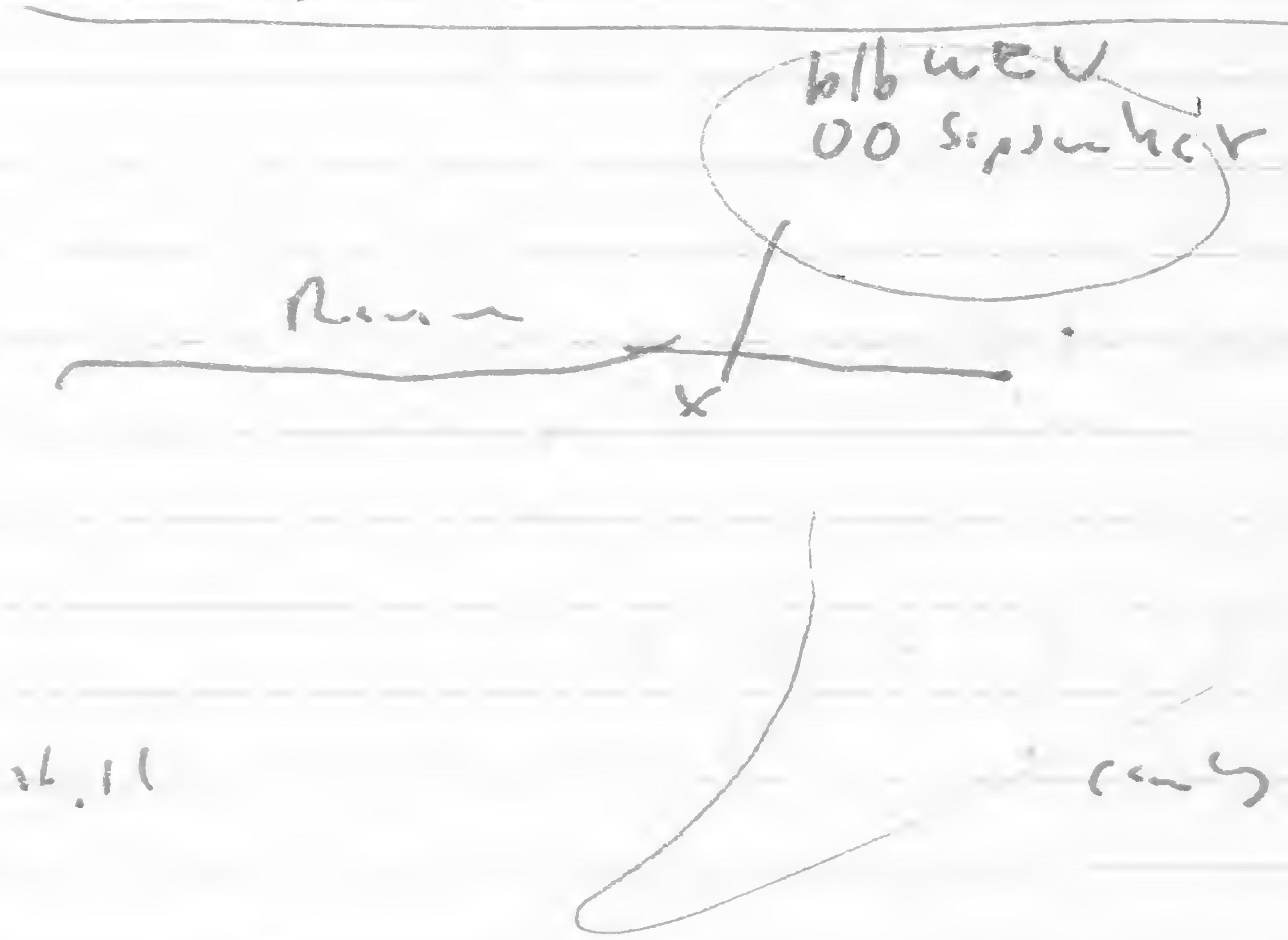
MSF — phal fruit

Rusty Sparrow ground forage
base of litter

Q ww un Degelts 0.2m / ? / 20m
onsara

3 ww on grana foraging

Contopus um



kEv bb
1.5 | 2m/15 m
large 20cm lb coffee
us lb
7mm brush

CB Tiger um lb glum
top glum
3mm brush 1/2m coffee/15m

unww um
Uwh um ⇒ of wwum

(wwg Lkb glum tape or guard
NSP

Sun 0/10m C-3 5m
loop 1" lb large

Cardbleu flyc 0.5m lam brush coffee
dunstick to guard | 30m loop

A-8 → A-6
6.c wobble pr
W/I
R/W = R/6?

-BB. B-WR
BE
IB 0-B
6B
B/X

0.1/2.5 us coffee lb /15m
B-4
grand forage

0.1 dunstick herb /15m
B-4
B/0 (A-8)
H.flyc. orgc 4/7m
lam us 10cm
B-1

www J 4/7m orgc leg 1
C-3

4 Brown um 3mm brush 2/2m /15m
coffee

B-2 Again

B. G. C. warbler
1 / 5m wire / 30m
second ... 7m ...
B-2

Displace!

W.W 12/30m flew probe B-2
... open again!

B-2
B Bunting
0.2 ... 1 ...
...

S. T Redstart

C-2 G.C warbler ... 130
1/2m ... ...
5m ...
B-2

solely B ... um C-6
8/8m ...

B-2
2m ... top 2" lb

... C-8
... ?
10/13m

3m ... 3m solely

B-4
Sw 8/10 ...
B-3
large 3" lb
solely

... - um solely
probably ... ? flew
on ... 6/8m
C-1

B-13 ♀ wh un
0.1/0.2 herb lb glean
open area

C-13 H flyc 0.2/2m culvert
un? 1cm dwn, ht to
ground 30cm

♂ u

RC warbler in meterial

B-16
S.U.n 0.1/12m cutke
12M
2cm trunk
↘ huge to ground
20cm

♀ ad Black and white truk 12
glean [illegible]/4m
[illegible]

♂ new 3/6
un Arg c tree
B-spars
limbroch loop 3" kb
Small mat

ad ♂ Red un
Silky fern lg 0.5 m
on ground
open area - no [illegible]

E-10 D. wood un
6/10 trunk glean

E9 un ♂ [illegible] warbler

B-2
RC hght
6/30 tree
inside large 10 cm thk
limbranch C-3
with w.w

W. wa ♂ solitary
h. bios 2/3 m
R-4/R-4 vocalizing
D-4 → D-5
ok

Along rd saw ♂ MacGillivray's warbler

W. wa ♂ D-11
B/4
2.5/2.5 m cattle
5 m branch blklap
no canopy
solitary
quiet
= B/7

W. wa ♂ on → another W. wa
E-L

W. wa ♂ El-F6 solitary
2/2.5 m B-7 [illegible] /15 m
hegp. "lb
ground forage

W. wa ♂ R-6/AX K-2 ok
solitary
4/6 m B, [illegible] 5 m/15 m
4'p lb

HTFL K-2 on
5 cm branch
15 m canopy [illegible]
5 m [illegible] to ground

W. wa ♂ K-2 on
on 0.2 [illegible] forage [illegible]

R.C. warbler 0.2 [illegible] 5 cm
on

BTBW ♂ on forage on ground
MJT

♂ W. warbler blw-blw → ♂ W. wa
L-8
ok

Hctl G-7
um

10/15 7yr 2cm B-open
us 1m 1b
soliting?

---

ww ♂ 2/3 sm bud 1/15n ok
I/I B-1
5/cm 1b → G-6
soliting

wiwa ♂ O/yellow 2nd
E-5 → E6 forge ungrow ok
soliting

Xi.o 1/21

N-5 G. Cwubw R/E E/R ok
soliting

N-4 2/3 B-1 lap 5" 1b
coffee
sol (no mate?)

N-3 HH G/o 7yr - mid
um A-open
sol 3cm 1drs in tank
70cm

BTUm 8um

ww ♂ um 8/10 7yr C-3
top L

N-1 ♂ww 2/3 coffee B-open
um
Soliting 10m usil

3 ♂ wiwa around N-1 ad
um

wiwa um
7/8 mid [illegible] 1 um long 5 in
lb
C-3

wiwa 5/6 mid [illegible] um
C-3 [illegible] 1+ 5 in back

N-5 wiwa ad ♀? metal
bird - [illegible]
coffee 2/3 B-2 [illegible]
N-6 [illegible]
2/3 coffee
RR wiwa ok

6 [illegible] um N-6
2/3 coffee
B-open
[illegible] lb
[illegible] lb
[illegible]

wiwa 4 mm um P-6
2/3 m coffee
7 in B-open
large 5 in lb

O-12 um ♂ wiwa
coffee
2/3 m B-open 5 in
[illegible] lb

K-10 ♀ ♂ wiwa 2/3 [illegible] ok
[illegible] B open
coffee

L-10 ♀ wiwa um 2/3
B-open [illegible]

3 um [illegible]

J-12 w [illegible] ♂

b?/Red = 6/R ok
in coffee
soliciting vocalizing

♀ um in coffee soliciting

location? M-13

P? ♀ um 2/3 soliciting
C-1 7m lip 5cm lb

2 B?/W [illegible] un
C-7
7 nests
① 6/7 C-3
lip 2" lb
② 6/7 C-3 [illegible]

Soon [illegible] 6/7 MSF (small)
[illegible] 20cm [illegible]
lb

M-6 um ♂ 3 3m 5cm
open [illegible]

? C-4
light blue/white ♀ red W [illegible] ?
MSF
gr/b
6/7 [illegible] C-3
5m lip 2"
[illegible]

C-3 ♂ B-w/R W [illegible] = R/B-w
ok
8/12 [illegible]
C-2 lip 2" lb

[illegible] B/5 [illegible]
[illegible]

B [illegible] ♂ 5/8
[illegible]
[illegible] C-2

L-1 [illegible] ♂ [illegible]
sitting
in tree

A[illegible] [illegible] ×2

7/? m probe
[illegible] 7[illegible] [illegible]
C-3

C. [illegible] 7[illegible]
[illegible] probe
B-upl- [illegible] 10 cm

K-2 ♀ [illegible]

N[illegible] I-3 MSF
6/8 m 7[illegible] + hover
5m [illegible] 10 cm
C-3

T[illegible] ♂ [illegible]
7/8 m 7[illegible]
C-3 MSF
5m [illegible]

H-3 [illegible] ♀ [illegible] 7[illegible]

H-4 [illegible] ♀ [illegible] 7[illegible]

B[illegible] ♂ 3/5 7[illegible]
5m
8-3 grabbed flower
flew off

G-5 I/I H. fl OK
7/8 [illegible] [illegible]
B-upl
[illegible] 20 cm [illegible]

[illegible] ♀ [illegible]

1/22 Tobacco

9 Mesquite patch 1 = Rum
=ha
Open 7 M...

Igh + fulge

Mesquite like shrub ...
with Opuntia

V. warbler – pr.
2-3 Orc warbler pr
Audubon's W.
W. warbler hd
Mockingbird
5 B. oriole pr
B... 20+
C... 4-6
B...
B T G warbler
Bewick's wren
Cassin's Vireo
Thrasher
...
Tree Dove
Vermilion flycatcher
Nashville warbler

2nd Patch ≈ 1 ha
8-9 Mesquites

B...
...
M... warbler
Heron
A... warbler
Tree Doves

3rd
...
...
A. warbler ...
O... warbler
... sparrow
C... sparrow
W... warbler
B...
C...
G...
...
L... flycatcher

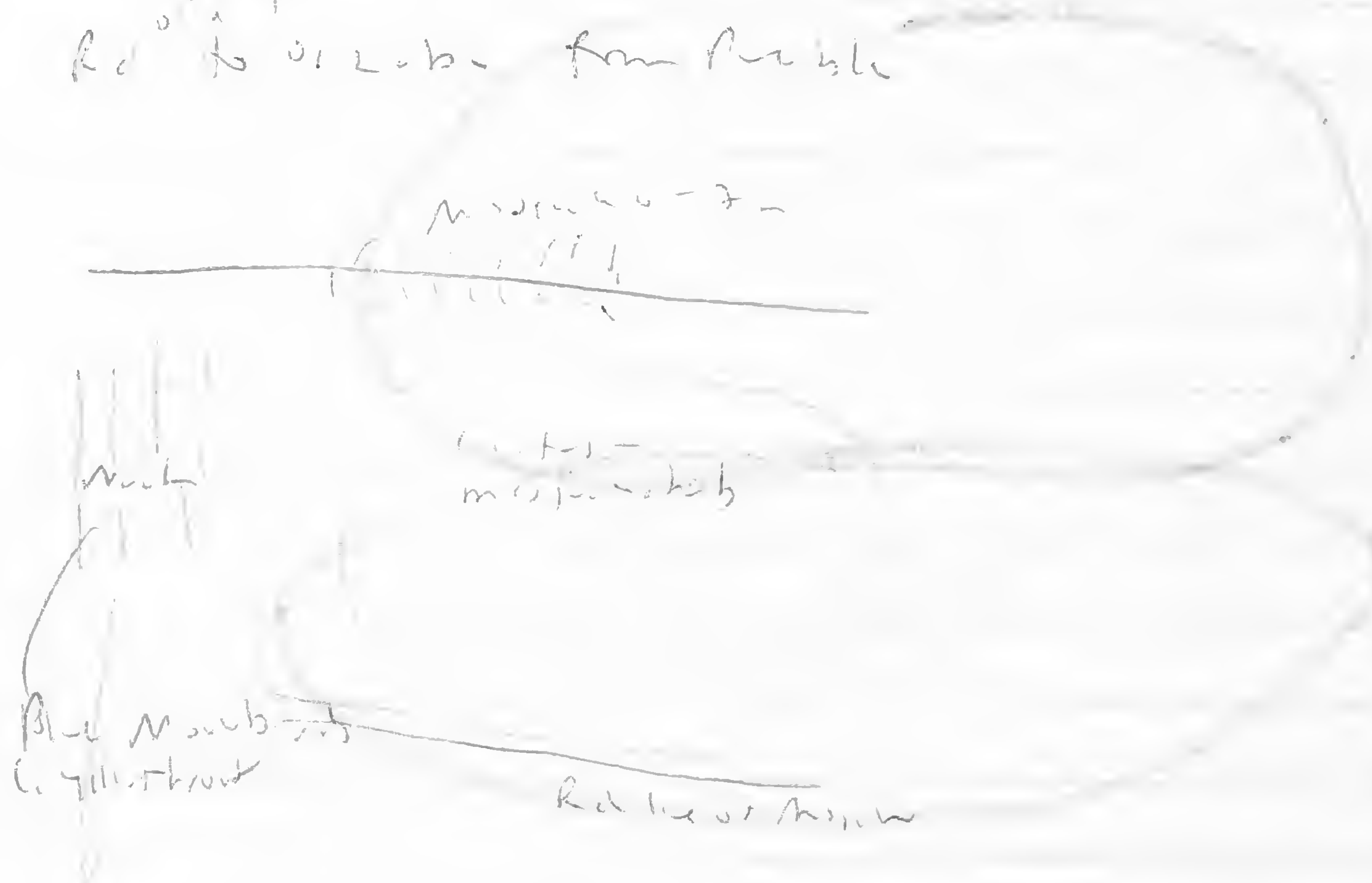
Vermilion flycatcher
Starling
B. V. oriole
H. Finches

Pitch 95 km from Puebla

Bushtit 2
V[illegible] 2
O.c. warbler
MacGillivray's warbler 3
B.G. [illegible]
Audubon's warbler 5+
C. c Sparrow 5-10
Chipping Sparrow 2
Lincoln Sparrow
S. Summer Tanager
V. flycatcher
Bewick's wren Troop
House wren 1
C.B. Woodpecker 1
Lesser Goldfinch
H. Finch
L. Shrike (hd)
C.B. Thrasher (hd)
Canyon Towhee

1/12-4

Rd to Orizaba from Puebla



Pepper 210 m
f[illegible] 20-25 m

Cassin's Kingbird
V[illegible]

20+ [illegible]
1 L. Tanager
1 Brewer's [illegible]

In Mesquite — L. Goldfinch
O.c. warbler 10-15
Audubon warbler 20
Least Flycatcher 10
Blue-[illegible]
Nashville warbler 1-2
R.C. Kinglet 2
MacGillivray's warbler (h)
Five-striped sparrow
Bewick's wren
House wren ?
Bewick's wren
H. Finch
Lincoln's sparrow (shrub - 3-4)
V. flycatcher 2
G.B. woodpecker 1 [illegible]

Tuesday 8

9.05

3-10 W.wa ♂ R-4/bix

2/3m B B.lp coffee

H-10 E/W oh

♂ 3/15m in

wm ♂..

tonsils

H-6 Tuf wa flasher -b/b ok

Ripped Silly 2-3m

Run back out fall

7 ym (b, see All)

CBTA ×/b

G-7 B 15/20m

coffee

G-7 CBTA E/E ok

10/20

B-0 ka

BB wren moved probe

15/20

G-7 BC wren

3/4 ... /20m

US 50cm lb

B 5mn

G-7 CBTA ...

NA wa probe

15/28 B-2

10/20m A-2

60cm lb

I-6 O/X

X/O WEV 1/2 collar
going
ok

um CATbird ... Marsh
good Ct

um CC Robin

ST Rattle WWW Insect big ok
2 in ... 10 ... 10
C-3 lb

CBTA ... ?
10/20 ...
pale

Insd
SB ... X X 10/18
hollow
... ok

L-9
CBTA W/RW Insect 6/7 ... ?
2yr/RW

CBTAvar
W ... for um
Bthr ... b/y 5 ... ✓
... 20 ...

L-8 W WW 5/12 elm ok
im B-2
us ... lb

Blue ... 3/4

... Trygon

L-8 CBTA EE? ok
6/5 ?
pale ... A-2

J-8 W b/I ... 2
... 1/2 → Elm ...

Blue b/b? 2/3 ... NO
[illegible]

P... 5/6 ... ?
3 cm ... us ... lb
A-open

J-3 CBTA um

3m high B-open
lge branch
6/18m Ing.

W. warbler 2/3 c.tm - R/W-Bu^.
B-3 4mm lb lge (B/R-W)

Cord. Wm flycatcher - High 0.2
Um ~~not~~

Wh q um I-3 12/15
~~Fir~~ field
C-3 lb glen
1cm

BC vireo 2/2.5 feeding in one tree
3mm B-3
fruit plucking
collected fruit

(L-7)
Tropical Parula 3/5.5m
citrus/13 mango
C-3 lb glean
5mm

BC vireo 2/3 ~~coff~~ ... ...
coffee
5m B-3 5cm lge

CBTA eating coffee berries
2/3m 7mm B-3
P/b-R ?= Pink/Blue?
thin
P/B-W = Pink/Red-yellow ?

K-6 um Buren
um? wine solely tree
(g/g) ok

K-4 G.C warbler 0.2 coffee B-um
lge 10cm to herb

F-2
S.B wren um
0.2/2m coffee hyp in tree ?
pale dark lines?

W w ♂ sole um coffee
E/W-R - OK
♀ ww dead twigs → hubs 0.1m
C-4

E-5 WEV b/b - OK
2/3m coffee

Wiwa ♀ ... 0.2 hub (bigleaf)
open ...
R-4em
Hutl = R4/R-w 0.7m ... to ground
2m coffee branch
0.7/3m/3m open
F6

H-8
♀ w ... twigs
0/?? ...
I-X
0/w-B
Chased by Hutlge!
H-9
8 ♂ R-4/g-r
0.4m/4m coffee
could it be ... R-4/b?

once ...
NP ... Butler
2/3m coffee
R-6/R-6 OK
6-10

...
♀ ... b/x-w sweating → 6/B-W
0.1 hub ...
♀ - um 2/3 coffee

hrb 0.2 opn are
♀ wina g/r-g ok

E-10 ? → D-11

D-11 G.B warbler um
in coffee

B. Bunting ♀ 0.1m open
leap'l herb ...

(i) A-11 R-G/B-W
C-10 → C/11 ok

0.5m/ ... →
in little open area!

? Tropical Parula C/U
um
4/4m prune ...
(...)
5m C-2 flower

CBTA pr Y/B-w in field ok

greenspur 3/3m ... ok D g
coffee fri...!

Quina um 6-8 in herbs

G-10 g/r-gw G.C warbler
0.1/ ... → ...
hel
coffee

Night 1/25 8
clear J-18 M3C
Bwwrber [illegible] probe [illegible]
6/8 [illegible]

Solvr CO
8/6 [illegible] [illegible] B-[illegible]
[illegible] 10[illegible]
4m [illegible]

3 Ribr 4/7M [illegible]
5m C-3 [illegible]

2/3 [illegible]
3[illegible] 1b B-1

[illegible] 5/10 Open-B
7[illegible]
[illegible] 1b

WhTamr 4
4 m [illegible]

G [illegible]
8/12m [illegible]

K-18 Solvr CO 4/15m
E[illegible]
C-2 [illegible] 1b

CBTA Must be (mailbag)
[illegible] 8/12 [illegible]
4m [illegible]
?
[illegible] yellow

M[illegible] Fl[illegible]
CBTA 2/w-0 7/7 [illegible]
prob. [illegible] C-1
[illegible]
O[illegible] um [illegible] 11 S[illegible]
NA[illegible] um 11 [illegible]
B[illegible] 4 um

W.we y um?
I.22

wlve/o 7/m Moutt
um C-opr
7mm us 10cm lb

L.sp. um

I.22 4 B shit ch wlffelt L
→ 2/2mm c-oper
5mm

B, B gcompt...!

K-20 um edg thick kuh hngy
in opir

K-18 um RCwhbl 1/3m
i-3 7mm gli lb

C-8 6.C.wabr in 1/3m
C-4 7mm us 1" lb

H.H
wash in arc

G-20 um ...
um RCWA - rufflec
um ...

K-25 pr CBCTAS
in 3m
1 ... /Rw or Ow
= G | RY
Sw...
Btw...

B-17 6/7 O.C...
7...
2cm ... Frch ~~glerpahlkr~~
hängdown ...
B.opir

A/15 Hill um

D-fly 4/8 mm [illegible]
[illegible] B-open
2 m silty
[illegible]

A-11/12 um Hill

small [illegible]

[illegible]
[illegible] 8 um – [illegible] 2 [illegible] 5 [illegible]
B-open
[illegible] 0.1 m

B [illegible] 1/3 [illegible]
C [illegible] 0.6/3 m 5 mm [illegible]
1b
12 m
[illegible]

C-22 2 [illegible] 2 [illegible]
um

1130 [illegible]

B [illegible]

A [illegible] B [illegible] → [illegible]

C [illegible] 3 um open – C
silty 1 m (+)
10/12 m

[illegible] U [illegible]

B [illegible] 10/12 m [illegible] B-3
[illegible]

B [illegible] probe

[illegible]
um [illegible]
[illegible] b/b

3-1 — 1/10

B [illegible] 10/12 m [illegible]
1.5 m [illegible] 3 [illegible]
1b C-3

A-17 [illegible]
W.W.G.

B. Mutmot
[illegible] Hcf l.

I [illegible] R. Thrasher
[illegible]

B [illegible]

A-17 5/8 [illegible]

C-4 [illegible]

2 B [illegible]

BTOW - 5	[illegible] 1
BGGN - 2	[illegible] 5
Sol. Vireo 9-10	[illegible] 4
BC Vireo 4	[illegible] 5
H Flycatcher 5	[illegible] 2
Chickadee 2	[illegible] 2
F B Thrasher 3	Y. Bahat 5
R T Thrasher 1	B. B [illegible] 1
W E Vireo 2	[illegible] 2
L Sparrow	[illegible] Flycatcher [illegible]
I. Bunting 2	B. Mutmot 1
W. Warbler - 8	W. W Tanager
Nashville Warbler 1	C.T Grackle
	Melodious Blackbird

[illegible] 1/2 [illegible]

B [illegible] 3 [illegible]

3/23 Zone 2
Nestles

7:10-11:30

A-2 1 Grail ba
NW 12/15 flower head
" Dan bush B-open

W W Tanager ♂
2 RT E-phonias

A-21 Cross Rd Hgf 1 um

Cam J wiwa um
B-24 H't nest wc
1/2m B-open 7m
lapa" slen coffee

G F woodpecker 5/12 m Inga s.L.
20 cm Formed base
end
A-open

Dc flyc. ...
12/12 m Inga prism
Open 2cm - C
... stake 7m

2 M. Blackbirds 13/15 Grallie
Flower C-open

B
O-21 HefK (?) um

B66N um 11/12 Jacaranda 2m
slen fibre root-up
C-open

wiwa
B... Acton adult 5 um
7/4 Jacaranda C-1
2m slen folige

BT6h um a.5
7/4 2m - ... base slen fibre
C-open

R T ... Jacaranda flowers

D-19 S. v. ab/b — Period 2

9/9 Jan. lyc Jun
2am c-open

4 Tvireo!

A-19 Pfflyc with
red in combo
+ Alband

?

2nd period

N. B. Kites

W T Sibang

Bicwo 7/7 lep hypsum
ham B-2

I... mib

BtWWRR brch Nov 2-1

soui um
BTGwf Coffee um

4 mfl catcher

D-18 - E-19

BTGw 7/I 4/5 7pm 1hylcc Feb 15

WEvireo Ro/RG 1/2 mi ... Feb 14
upslope
7am B-3

BTGW um

2 wine ?
(BTA (hd)
wim ... I um

Bc [illegible]

? [illegible] Iga

B-open

R [illegible] large

[illegible]

R Thummer Iga flow

[illegible]

[illegible]

E-24 [illegible] B [illegible]

[illegible]

B6 N um 6/7 m

Sol, [illegible]

C-open [illegible]

picked in [illegible]

L B [illegible]

Iga flowers

. [illegible] Mall Iga flowers

H. flum 6-21

1/2 [illegible] 1cm

Silly 2 m air

[illegible] 4 + [illegible]

[illegible] 1 cm B6 [illegible]

AA-19

G. Place 4/7 M [illegible] Iga

N [illegible]

2 cm Silly 5 m

T. Place

C, B Iga 1/2 [illegible] 1cm B-open

L No 16

R-BR-B 1b [illegible]

[illegible] probably B/4

? [illegible]

[illegible] 8 cm

B [illegible] 7 cm

16/W ?

3/10 C CBIA [illegible]

[illegible]

[illegible]

NAW 2.5 | 5m
Injured
5mm C-2
hd nwhelt

Trup Puk 6/15m Elh
C-2 5mm lb flew

N-78 um G. warbler

B-17 3ad Rt thumb
7g. flies

Sou B-17 Red/Yellow
8/2 med Ing G
2cm B-2 1m lb lrm us
Feb. T

Sou -B 20
8 | 18 hiwater
2cm C-3 us 10cm lb

Wenc 3 um
-B 19 20 8/2 coffee
7m B-3 lb gl
" x2

G C warbler R-4/R-4 Nov 26
1
2 coffee 1/2m
B-3 us 3" hun
lb
tun

A-19
↓
um CBTA

GR Pace 3.5 | 1b Jaconda
C-open 3m back
2m sell grain

Zone T Teopeo
Song - G-1

Grullen [illegible]
7 Bottom [illegible] [illegible]
Song in flowers
13/18 m + N. Parula

8 [illegible] NAWA [illegible] [illegible]
B-3 -6, T [illegible]

G. F woodpecker [illegible]

flowers

f->

BUGN [illegible]
3-4
15/20 m
[illegible]
C-4 [illegible]
[illegible] 10 cm

N

Sub Grullen CBTH
B. [illegible] ->

Rd/ [illegible] [illegible]
R [illegible] W

K-4 on 8 Wilson

L-6-K-6
Grullen flycatcher
15/18 B-2 [illegible]
5 cm [illegible] ll

Back to Grullen
C.c Robin
10-15 NAWA
2 CBTA

K-0 2/3 [illegible] [illegible]
Wilson [illegible]

H-1 [illegible]
H-0 [illegible]

H-O Granule
N. Parula
♂ Baltimore Oriole

C-1 B. 6 , Goatsucker

D-1 um im ♂ WiWa

4 T E-phone ♂
Sh O Mistletoe Fruit
7am A-open

TLT 12/20
Mistletoe fruit by
9am A-3

A-5 NWat X/X

A 4 um ♂ WiWa

A-4 (B/4-B/4 NWA) Nov 28

B-4 → B-5 hummingbird's
Flycatcher

B-5 ♂ Wilson's um

C-4 um ♂ WiWa

Quivira 2 cm Iyz pulvinc
C-4
1 bj 1 2 cm branch
w 2" lb

-3 fum ♂ WiWa

W wa 9 0/blu Nov 28

Cardilbera Bush ♂ 2/13 Coffee
7am
C-open Jelly lmcker

A...
4 B... ?

NAWA in Beullie

RRAC H-3 [illegible]
on Branched
flowers

K-4 pr UB [illegible]
1.5/2m [illegible] C-3
[illegible]

[illegible] blue/white 1/2 m [illegible] Nov 28

[illegible] Red ? I-3

E-5 [illegible]

[illegible]
NAW C-1 [illegible]
[illegible] small [illegible]
flower
17/20

Feb 11

D-5 [illegible] B/RU-R
Elm 20/22 [illegible]
C-2
2cm [illegible]

CBTA 17/20 Elm
[illegible] 1cm [illegible]
[illegible]
A-3

C-4 [illegible]
10/15 [illegible]

E-4 [illegible]

I-3 [illegible] ~~RTA~~ [illegible]
[illegible]
R/[illegible] Feb 10
3/4 [illegible] C-2 1cm [illegible]

[illegible]

Want to

E - O Grenlle [illegible]
G, F woodpecker
in tree

D - O W. [illegible]

D - 4 ww ♂ R/O-W

B - 6 H [illegible] R / w/ [illegible]

R - wR?

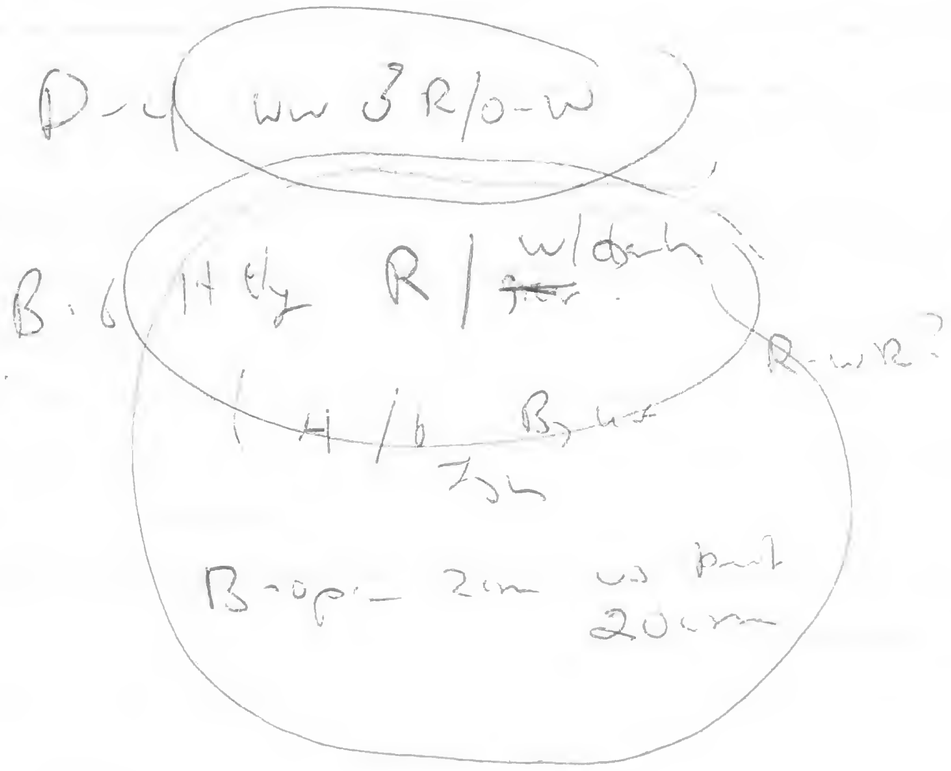
H / 6 B, [illegible]
[illegible]

B - open 2 [illegible] [illegible]
20 [illegible]

G - 10 - 11

[illegible] [illegible] R C W [illegible]
one [illegible] one [illegible]

G - 10 - [illegible] W [illegible]
F - 0 [illegible] W [illegible]



3/25
clear + calm

Granville Wetland Trail Lake

Tree 2
619 2 ~~M. Blackbirds~~ B. Jays feeding

618 NAWA

620 B. Jay Tree 1

621 4 NAWA

622 1 NAWA Tree 4

621 BTGW Tree 4

NAWA Tree 3

B. Jay Tree 3

623 NAWAs gone

624 2 B. Jays Tree 3

627 3 NAWA + 1 [illegible] Tree 4

627 New B. Jay Tree 3
[includes Blackbird [illegible]]

631 CBTA (2)

632 NAWA tree 2 (6-8)
Tree 4 → Tree 2

634 B. J. 2 Tree 4

631 NAW (2) Tree 4
[illegible] → Tree 3

633 6 NAWA [illegible] tree 3

631 B. Jay Tree 3

[illegible] of [illegible] [illegible] trees

Tree 3 2 B. Jays

[illegible] 6 — Tree 3 B. Jays

647 3 B. Jays Tree 3
650 2 New B. Jays
654 B. Jay Tree 3
655 2nd B. Jay in Tree 3

6:57
2 B. Jays tree 2

7:08 703 B. Jays

7:03 Tree 4 BTBW ♂
NAWA

7:07 Tree 3 more NAWO

Tree 2 6 F warblers (chimney)
Tree 4 708 B. Jay
711 6 B Bwren's Tree
in trees & tree 2
714 → (4 cc) on flowers
7:1 Tree 2 6 Tuft (
717 2 Melodious Blackbirds
720 Tree 4 2 B. Jay

724 B. B wren out on tree
b. 7(2)

720 Nuthatch NAWA

720 - Nuthatch + B. Jays tree 2
721 CC Robin
728 N AWA Tree 4 → Tree 3
+ BTGW

[C. Cachinnans ! Tree 3]

733 (nuthatch gone 2 B. Jays, Tree 2)
then gone in 1 minute
Tree 3 4 w Tanager

736 2 B. Jays Tree 2

7.40 Tree 4 NAWA (5-6)
+ B. Jay
Wren

741 0
Tree 2

743 Tree 3 6 B. Jays
↓
2 then on tree 2

742 G. Woodpecker tree 2

750 2 Jays on the tree 3

Jays left tree 2

750 2 B. Jays tree 2
Woodpecker gone

752 (2 B. Jays on tree 3
1 B. Jay tree 2) → tree left

756 4 NAWA tree 4
+2
B. Jays

1 B. Jay tree 2

757 G. T. Grackle tree 2
+ B. Jay

758 another B Jay tree 2

759 warbler on tree 4
[illegible] 3 Jays left

1 arrived tree 4

804 B J, tree 3

Pretty abrupt stop to visitation
about 8:05

811 3 B. Jays tree 3
1 left soon

821 RNAW?
B. Woodpecker tree 2 (left 822)

2 B. Jays tree 3

823 G Woodpecker
BL [illegible] tree 2

828 C B Tanager, NAWA (2)
S. [illegible] tree 2 (?)
NAWA tree 4
G. Woodpecker tree 3

828 tree 4
2 NAWAS

829 S. [illegible] tree 3
831 [illegible]
826 [illegible] tree 4
1 tree 2

832 = PTM. Bulbuls
tree 2
832 2 NAWAS tree 4
830 1 PBM Bulbuls
tree 4
834 CB Ranger tree 4 brief

2-3 [illegible] tree 3 → 4
835 4-6 NAWAS
837 B. Bwen tree 4

[illegible] her BTOW song!
834 pr S. [illegible] tree 4
no long
M. Blackbird tree 4

2-3 NAWAS tree 4
B. Burca tree 4 briefly

846 4-NAWA
850 NAWA tree 4
851 2 NAWA tree 4
9:00 tree 1 4 NAWA
1 CBTA
902 B. [illegible]
9:5 F NAWA
106 [illegible] are gone
(B. [illegible] stopped [illegible] & scared us off)
908 - tree 2 B. [illegible]

9:10 tree 4 NAWAS

8.13
Tree 3 G. F woodpecker

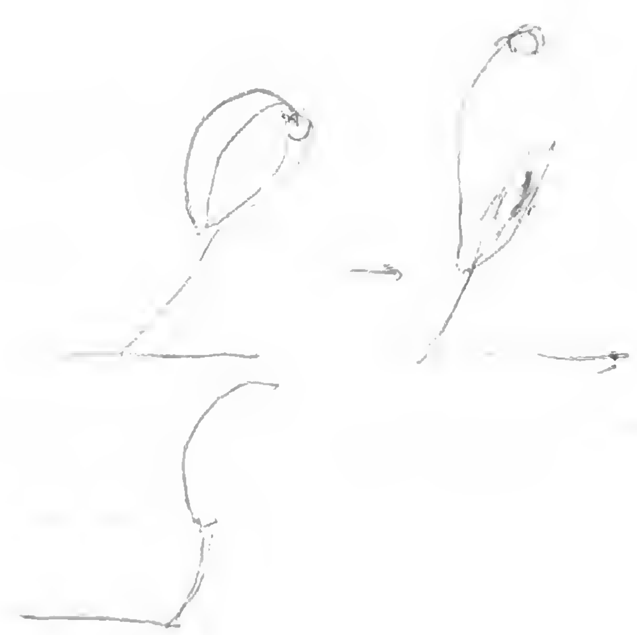
4 NAWA still in tree 4

2 B Jays tree 2

9:5 still 4 NAWAs in tree

917 B. Jays left tree

Grevillea



3/26 cemetary
630 - 915
4 W Tanagers Cary [illegible]
8/9 fins
B-3 2 [illegible] eating fruit
1 [illegible] flycatcher

[illegible] + Hughes

N. Dropsable colony -

[illegible] B. Jays + Dropsables in Grevillea

-C-1 [illegible] Burglehummer

45 [illegible]

Magnificent hummingbird
[illegible]?

[illegible] Arroyo - [illegible] OBTA O-w/x?
8/15M B-3
[illegible]

B. Burrow 8/15M B-3 [illegible] up [illegible]

Sun Survey Granville

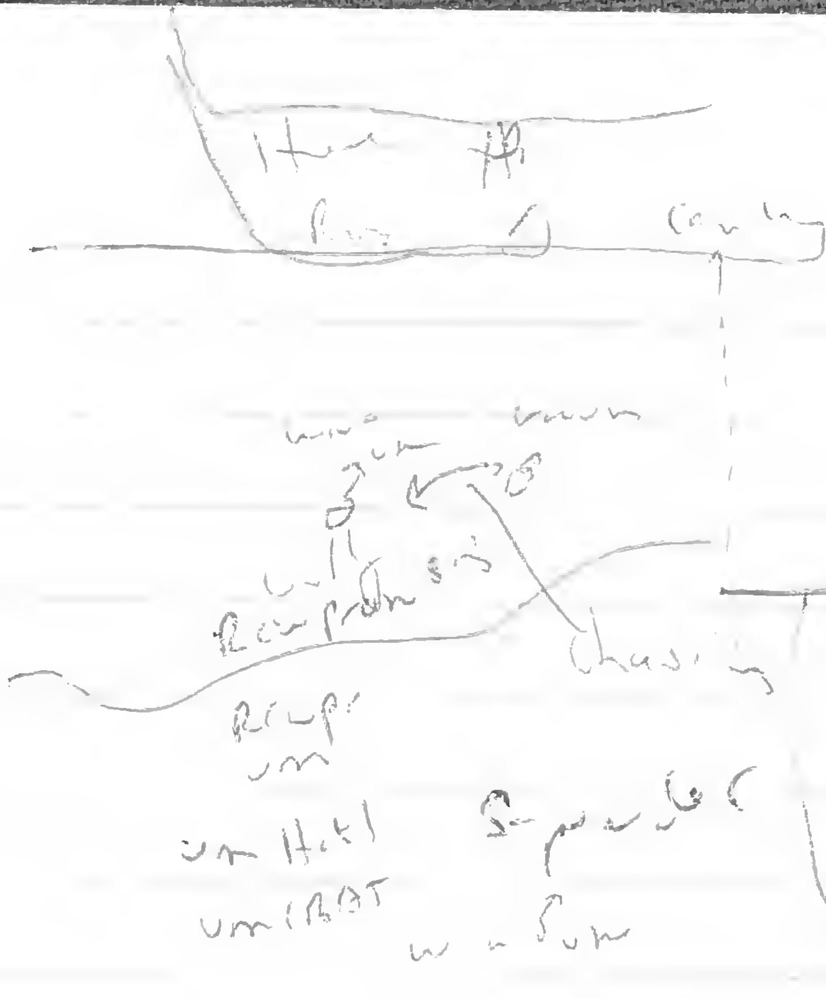
CBTA (pr)
Nashvilles
B Bwar
GF woodpecker

S. Chestnut, Nam, STun
Wilson's warbler

Aly Ang um Ruby sparrow

BBwar. ... red
gc/yellow
um
um

G. Warbler



CBAT
O/w-gr
Y/X
pr

-B-3

CBT ... 2/um ... / 15 M
C-3 flower probe

... um ... B-3

A-3 ... 1/3 ... Granville
1m perch to ground
2 um
B ...

... h.A.

C- 6 Wing Red ... A1
8 mm ... in
Granville

45 ...

Ld. L. B woodpecker

N. harrier mated

3/27 7:00 - 9:30
Grevillea by house in

Nestle

Frogs around house are in

bloom - loss t quick

7:00 M. Blackbird

7:10 NAWA CBTA
(wo singer)
M. Blackbird
BGGN not easy

8:00 2 B. Jays
↓
8:03

8:06 Brown Jay

8:16 B. Jay
↓
8:17
8:17 2 M. Blackbirds

8:22 MB left

830 G. f woodpecker
850 B. Jay
850 G. f woodpecker

855 B. Jay → G. f woodpecker
855 B. Jay left

- A-22

BO [illegible] pr [illegible]
= [illegible]
[illegible] coffee
3 [illegible]

WEV R-6/R-6
1/25 [illegible]
B-2 5m
[illegible] 20cm [illegible]

MS
flor [illegible] - E-22

[illegible] warbler [illegible]
[illegible]

[illegible] warbler [illegible]
4/7 [illegible]

W. tanager ♂ C-2
[illegible]
[illegible] 5t2
50+ [illegible] 20cm

[illegible] tanager ♀ C-2 [illegible] 20cm

Nw x2 [illegible] flower probe
[illegible] 7/7 m

CBSA [illegible] flower probe
[illegible] 5/7 m [illegible] C-2

B Bunting ♂ [illegible] flower probe
4/[illegible]

C-2
[illegible] with [illegible]
Indigo Bunting

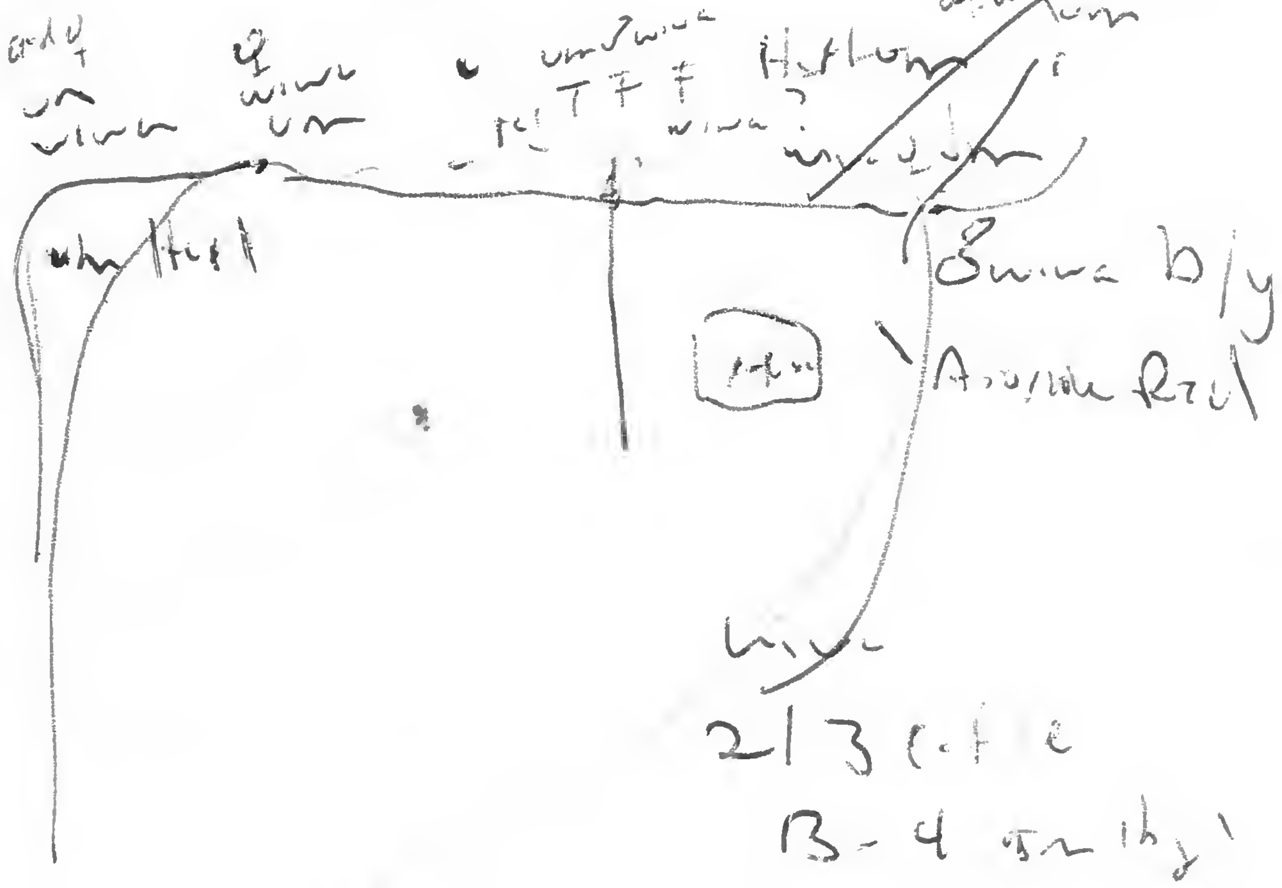
[illegible]
A-22 G. warbler [illegible]
[illegible]/2 [illegible] 5m
B-3 [illegible] 2" [illegible]
G. warbler O?

3/28 X.co -outouch arc

B Bun

2/5 Bun

ho dead binan lines 3 CBTA um



5/0 m m Mu Fgn

5 cm bch

B-open 20cm 1b

6 Warblers (hd)
A. oriole (hd)
4 L gorge overhead

A. oriole 7/8 spruce Feather
C-3
5cm

A. oriole 12/12 Fgn pattern
1+ glen
C-2

Wina 2/3 110 5m B-2
coffle
oh

Wina un 3/5 Fgn-Bl
Fgn 30 and hunch

CBTA Fgn 2/5 Hus C-2 Amn
goffle glean oh

BC vireo 10/12 Fgn
3cm us + lower wen
1b

un B 5cm open 2" us of flier
Fgn - nicking
round Hawks

CBTurgr 2/3

5mm B-open

probe Deadline)

R C Kyleo 10/12 C-3 Tenc

~um 2cm us 2" 1b

~um

G. C Warbler 1/3 M

B-3 collie lyc 25cm

1b

1cm track

G. C um 2/8 fixes A-open 40m

lyc at tail

10cm

2 B:C flyccdr

1 ♂ BTGWarbler, 1 ♀ BTGwarbler

♂, ♀ warbler

M:r

B6GN

GTGnatly

Unwiwa 2/3 mm/7

5mm B-open

US 1b 20cm

G. F woodpecker 7/15 m ?

20cm tail

B-open

probe

? M. Bluebird

BTGwarbler ♀ 'Injur Pinnae

6/9 M

C-1

3mm rachis 1b

rachises

Bathroom Vacle 12/15m ? tec

C-3 calamus lost

5mm

Question

6-8 Bathroom vacle

in flies 7yr

8/8 C-3 probe 7yr then

5mm

[illegible] ♂

2/3m B-3 [illegible]

[illegible] 3" [illegible]

[illegible]

4/4 [illegible] [illegible]

Probe

3mm C-3

[illegible]

[illegible]

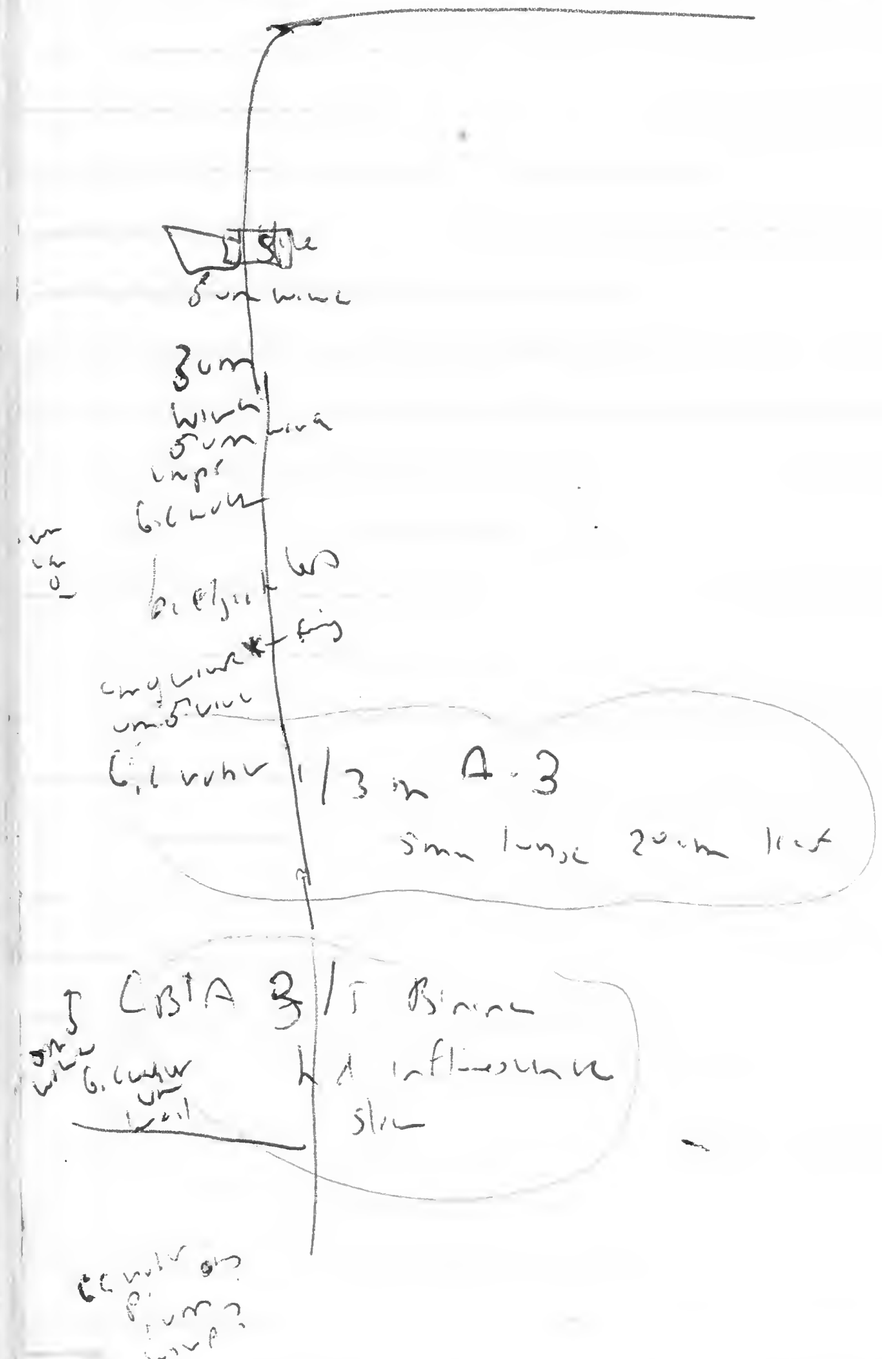
[illegible]

[illegible] 0.2/3, 1.1 [illegible]

[illegible] 5mm

38 ♂	11 ♀
33 ♂	10 ♀
71	22

Haft um
1/2 cutter C-1
5mm self 1m



0.5 / 3m
Cutter trunk 5cm
Gear

BTOW 9um 8/8 Iam C-3 3mm lb gleam

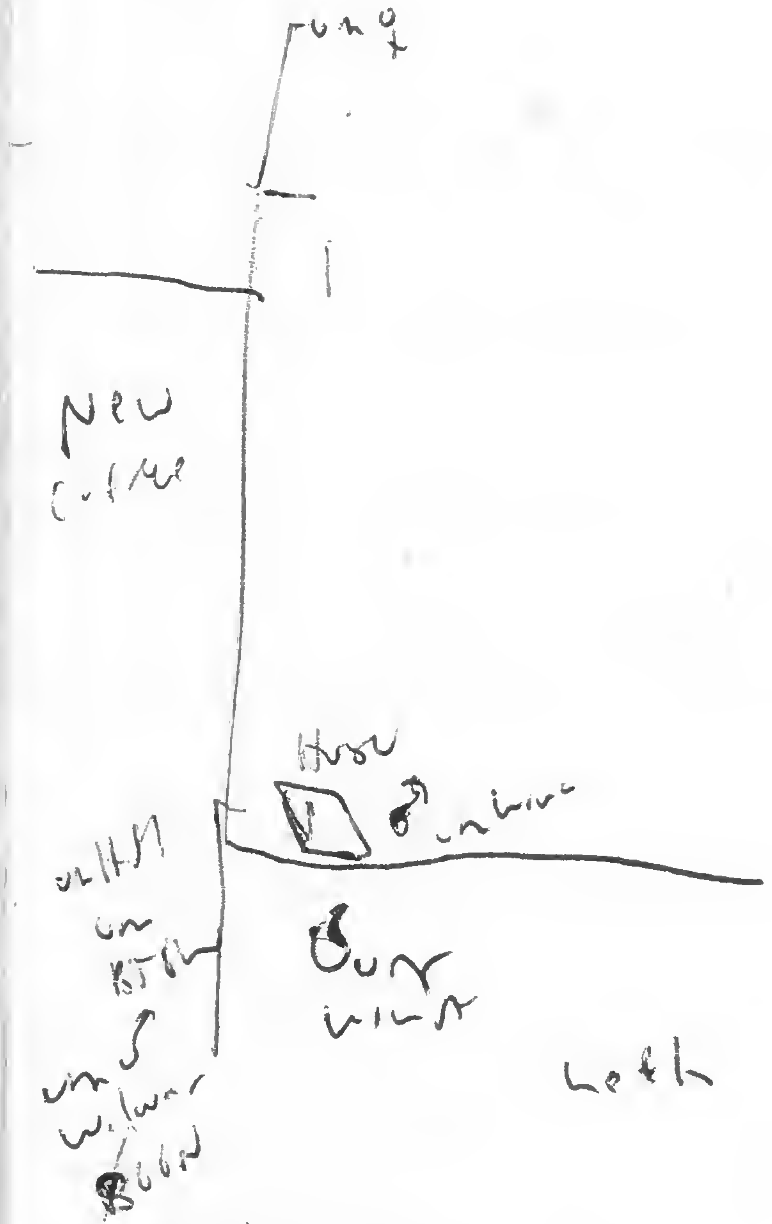
dichotomous

T. peruk hd

NAWA Bromeliad on big lowest Iga
am hang up
yellow
Red bracts?
lung fry
bromeliad

(S. Euphonic hd?)

Hudson



GC
♀ wire
1|3|8 5mm cotter
B-open 2nd

B 7 on ♂ 2.5/2.5m /12
C-open

Wood Thrush
ground

3/29 Granville natural area

6:30 2 B. Jays
2 G.F woodpecker
635 NAWA
643 2 Brown Jays (1 stayed + 1 left)
644 2nd Jay left

644 NAWA
in Rattling
Ivy

646 Brown Jay

650 3 NAWAS +
2nd B. Dies

652 2 NAWAS
2 M. Blackbird
655 B. Jay → M. Blackbird
656 1 NAWA left
still 1 B. Jay + 3 NAWA + 2
M-Bluebirds
659 3 more B. Jays
701 more B. Jays (1 left)
MB → sight NAWA
702 NAWA left
702 B. Jay left

703 another B. Jay left + NAWA
leaving 3 B. Jays, 2 M. Blackbirds
2 NAWA

704 G. F woodpecker [illegible]
2 NAWAs leave
humingbird flew by

708 Blackbird left — now 2 B. Jays
1 G. F. woodpecker

Colibri sp.
Iron feeding

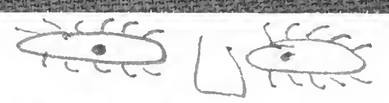
713 woodpecker leaves.
G. + Grackle [illegible] singing
One woodpecker remains
Starts feeding

715 — B. Jay, 2 G. F woodpecker + G. T Grackle
G T Grackle → G F woodpecker

719 ~~B. Jay~~ G. T Grackle [illegible] chasing
2nd Grackle
2nd G. F woodpecker

720 B Jay leaves — 2 G. F woodpeckers

722 NAWA + G. F woodpecker [illegible]
[illegible] → NAWA [illegible]



724 G. F woodpecker left tree
725 Nothing
722 L. B. woodpecker — no feeding on flower

735 G. F woodpecker
740 G. F woodpecker
741 G F woodpecker left
743 — 743
743 2 NAWA
744 G. F woodpecker [illegible]
750 — ↓
754 2nd G. F woodpecker
800 — 810 2 G F woodpecker
815 1 G. F woodpecker

825 NAWA
832 ↓ left
833 ♂, ♀ G. T Grackle
♀ fed then left
staged didn't feed

834 NAWA

842 2 B Jays
843 — 5 NAWAs
846 another NAWA
848 G. F woodpecker
84 NAWA left
848 NAWA entered

849 Nava left
850 - 3-4 Nava
6f wood
2 B. Jays
851 Nava left
852 Nava left
853 2 Nava left
6f wood came
6f → 6f went out
855 [3 B. Jays, 1 6f wd, 1 Nava]
1 6f ... white
857 Nava arrived
858 Nava arriving
C.T. Grackle left
859 3 more Navas + 3 B Jay
Tropical Peewee
BTG Warbler ♀
900 4 Nava
4-5 B. Jays
1 BTBW
1 T. Peewee
902 4 warblers left →
1 Nava came
904 5 warblers back
905 3 Navas, 1 BTBW, T. Peewee
4-5 B. Jays

Bursera

907 - Nava in
RRAC - flycatcher in canopy
9?0 G.f. woodpecker in
? REVIREO - no feeding
910 5 B. Jays
G.f. woodpecker
10-12 NAVAS
BTGW
2 B Jays left
B Jay → Nava?
913 C.C. Robin
6 Navas left
3 Nava left
915 8 Navas
1 CC Robin
3 B. Jays
917 4 Nava left
918 2 Nava left
918 G.f. wd left, Nava left
919 B Jay left
920 1 Nava, 1 B Jay

922 G. fwoodpecker
5 BTGwarbler

924 Nawa

925 8-10 Nawa
R. B Azurean
feeding

15-20 Nawas
+ N. Parula
BTGwarbler

Regular east of plot --
hat
vaca Jun 1/3/20 lea
coft us 2" lb

un Junco

---

15 Eupt Br -- hg clean mistletoe tract
plum
Helianthus 5 m C-3 --
14/15 m / 15 m

4 F grsp 0.1/ after
3 flush 1 ym

CBT 9 7/8 C-2 flwr probe
I gr med.

G F woodpecker 8/10 I g.n flwr
hg up flwrprobe
2 cm break

Azurean I g. flower

Nawa 6/15 C-2 5mn / 20
I g flwrprobe
un

Nawa 15/20 M pttrn / 20
Steel near Branched un
Red-yellow
hg up

Nawa 5/7 Bentsden
probe I g.n
Pl. N

Un O f V. w a 15/20/20 C-2
lapp'l lim Jamn.

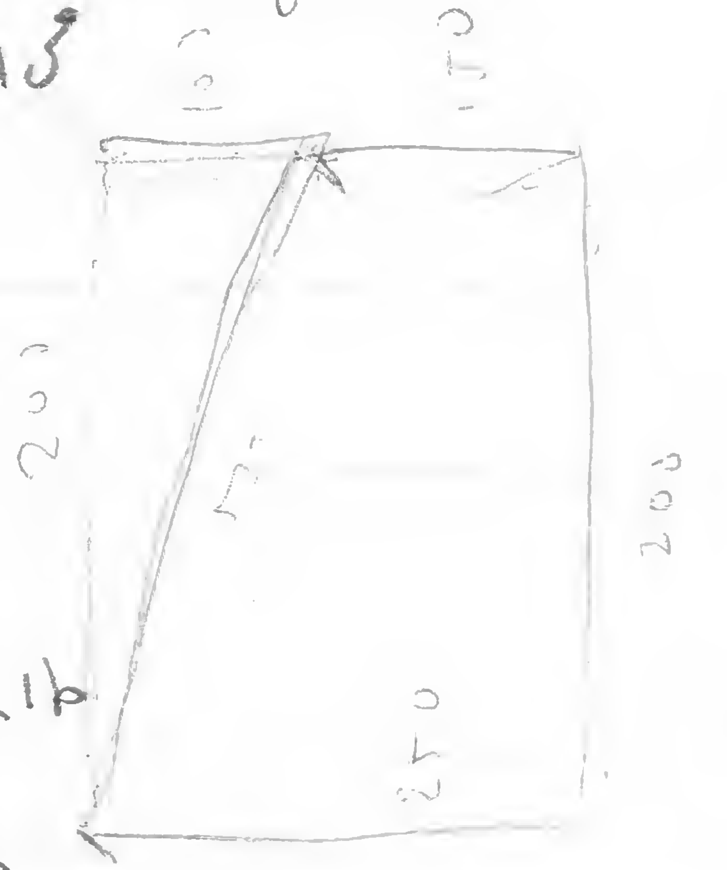
Venus' 10/25 C-1
True lyc...

Blue prune 2/3 A-3 ...
5m ...

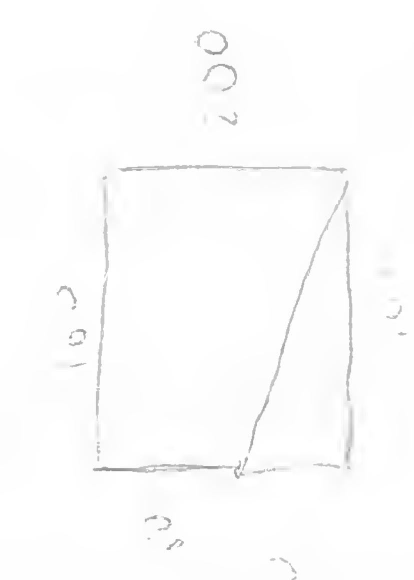
SB ...

T prob ... 8m ... 5m
um probe flower

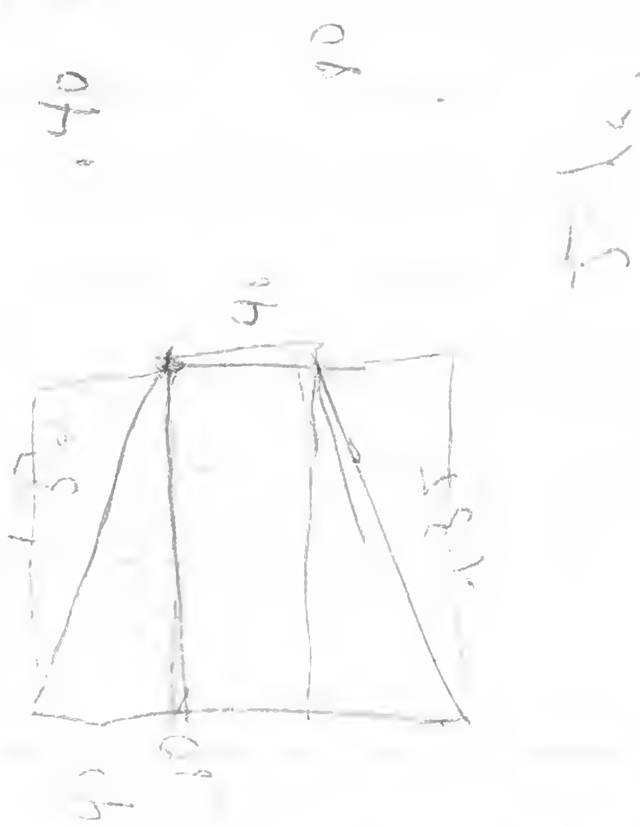
...



H...
J...
7/9
2cm
A-opc
...



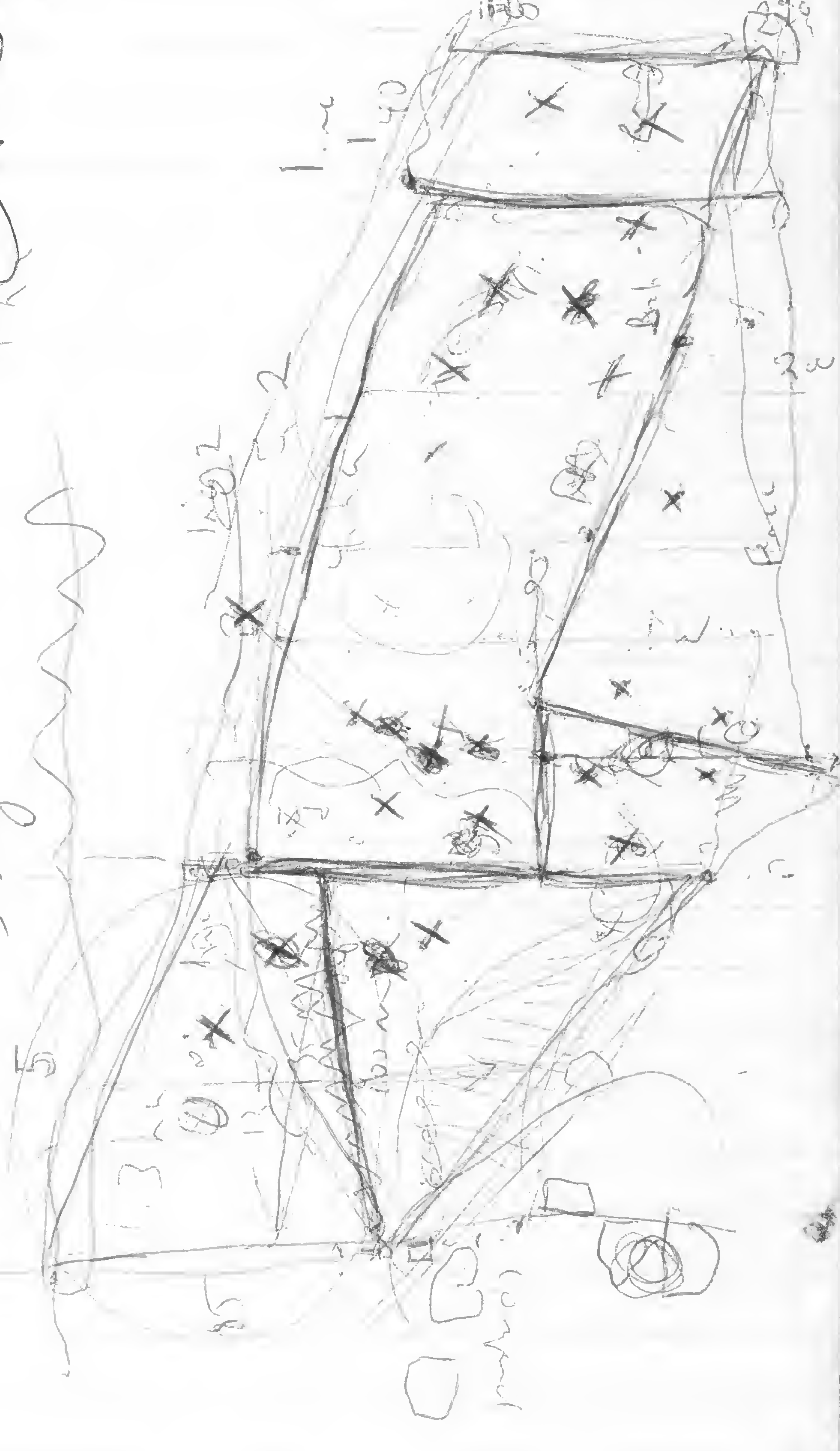
R T ...
... flower 5/6m



Low pies

33/35 had seeds

subsample
100
100
200
300
700



T[illegible]
C[illegible]
G. B. Heron
[illegible]-billed Kite

	I1	I2	R1	R2	A

Roadside Hawk
Z. T. Hawk
Sharp-shinned Hawk
C. Black Hawk
Chachalaca
G. N. woodrail
W. T. Dove
Bat Falcon
W. C. Parrot
Grs. Hawk
W. F. Parrot
Nightjar
[illegible]
S. T. Hawk
Squirrel Cuckoo
[illegible]
Ferruginous Pygmy Owl
Mottled Owl
Pauraque
Violet Sabrewing
W. T. Sabrewing
F. T. [illegible]
Buff-bellied hummingbird
R. T. hummer
* B. Azurecrown
[illegible]
Magnificent hummingbird
[illegible] Trogon
[illegible] Trogon
B. C. Motmot
[illegible] woodpecker
[illegible]-barred woodpecker
[illegible] woodpecker
* Golden-olive woodpecker
Y. B. Sapsucker
S. C. Woodcreeper
? [illegible] Dove
O[illegible] woodpecker
W. F. Quail Dove
* [illegible] Flycatcher
* Cordilleran flycatcher
* Hammond's flycatcher
Least flycatcher
* [illegible] Pewee
* Tufted flycatcher
Philadelphia Vireo

B. [illegible]
O. B. [illegible]
B. [illegible]
M. T. [illegible]

	I1	I2	R1	R2	A

A J. C. Flycatcher
[illegible] B. R. Attila
? S[illegible] flycatcher
G. C. Flycatcher
C. [illegible]
* B. B. flycatcher
R. T. Becard
G. Jay
Brown Jay
B. C. Titmouse
* B. G. Gnatcatcher
A B. Wren
G. B. [illegible]
House wren
A S. B. wren
[illegible]
B. B. Solitaire
[illegible]
[illegible] Nightingale-thrush
Wood thrush
C. C. Robin
W. T. Robin
G. [illegible]
Gy. Silky
S[illegible]
* Solitary Vireo
* W. E. Vireo
? R. E. [illegible]
B. C. Vireo
Y. Vireo
C. Yellowthroat
B. [illegible]
B. [illegible] warbler
[illegible] Vireo
A G. C. Warbler
A G. B. warbler
O. Y. Bushtit
T. Parula
* C. C. Warbler
N. Parula

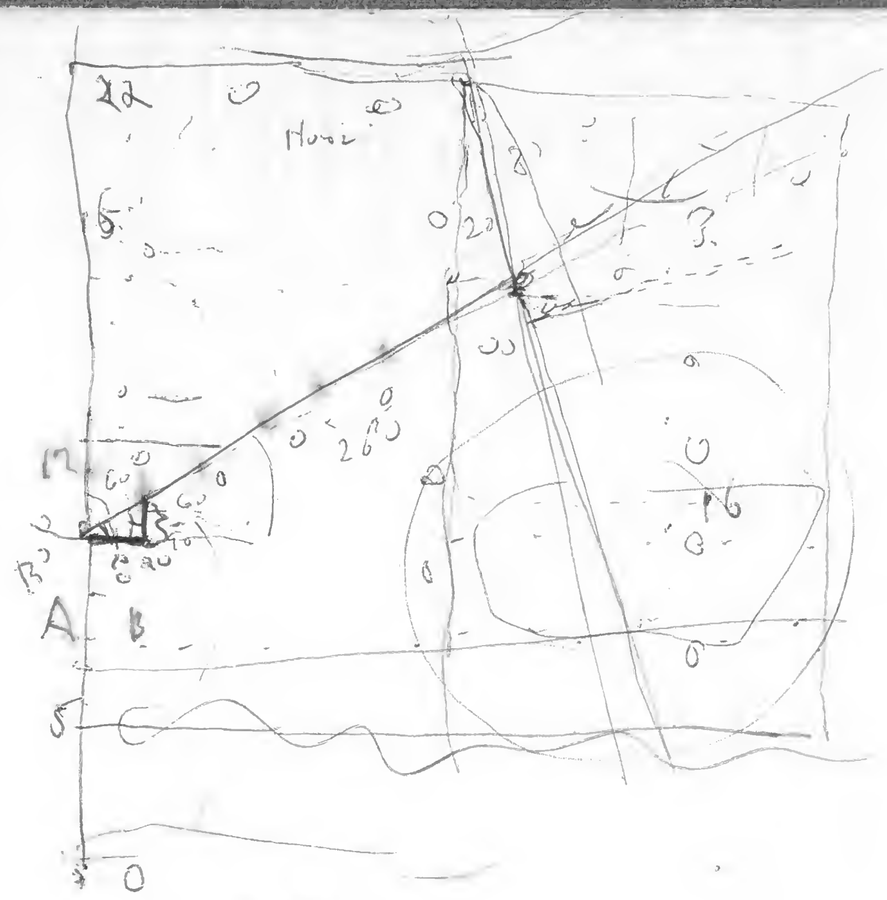
X?
N. B.

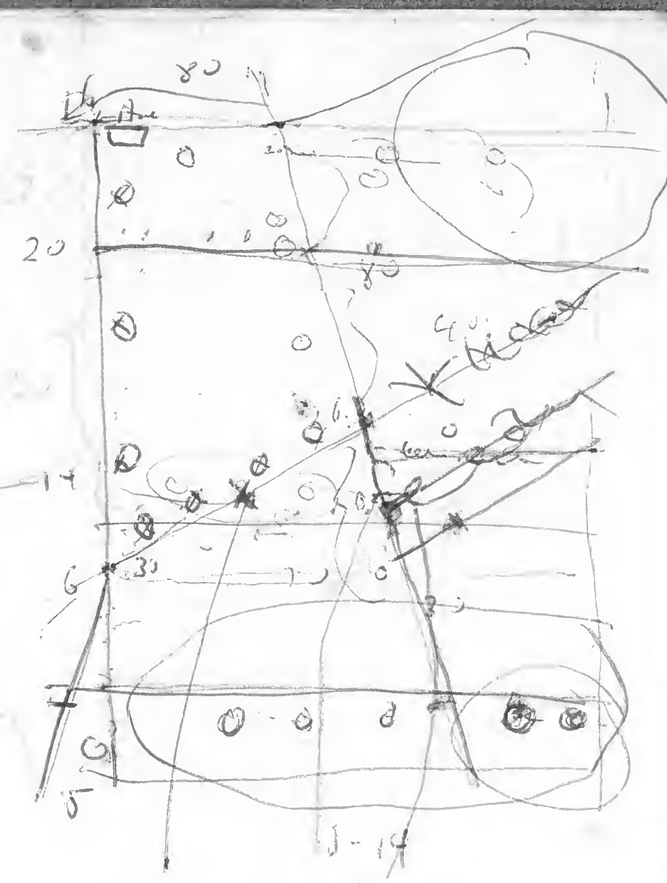
	Tyn 1	2	Rys 1	Rys 2
Bebw	X	X	X	
Sbfl	X	X	X	X
WWdo		X		
Stflyc.			X	
Cnudcw	X	X		X
GWwa	X			X
Cewa	X		X	
G.c Beard	X			
Barred Antsh	X			
GB Mngo	X			
WWDove		X		
Kewa	X	X		X
YBFl	X		X	X
GRCfly	X		X	X
WBemandl	X			
YBlcuque			X	
RB Pizzo			X	

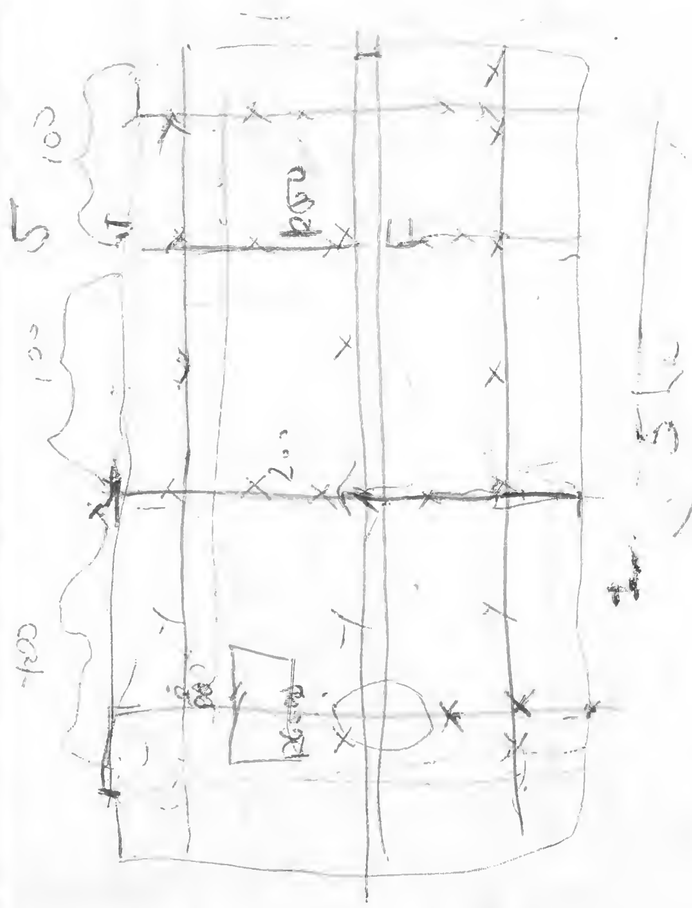
L. ...
H. Yellowthroat
A S.T Redstart
A Y.T Euphonia
B.C. Euphonia
A Y.W Tanager
A C. Bush Tanager
A R.T Ant tanager
Western Tanager
A W.W Tanager
Summer Tanager
Lil. Goldfinch
B.H. Saltator
Painted Bunting
Blue Bunting
~~Blue Grosbeak~~
~~Indigo Bunting~~
W.T. Saltator
Y. Grosbeak
~~R.N.~~ Bush finch
Rusty sparrow
G.T Grackle
M. Blackbird
M. Oropendola
A Altamira Oriole
Hooded Oriole
O. Oriole
A Baltimore Oriole
Bullock's Oriole
A Nashville Warbler
Tennessee Warbler
? O.C. Warbler
A Magnolia Warbler
A B.T Green Warbler

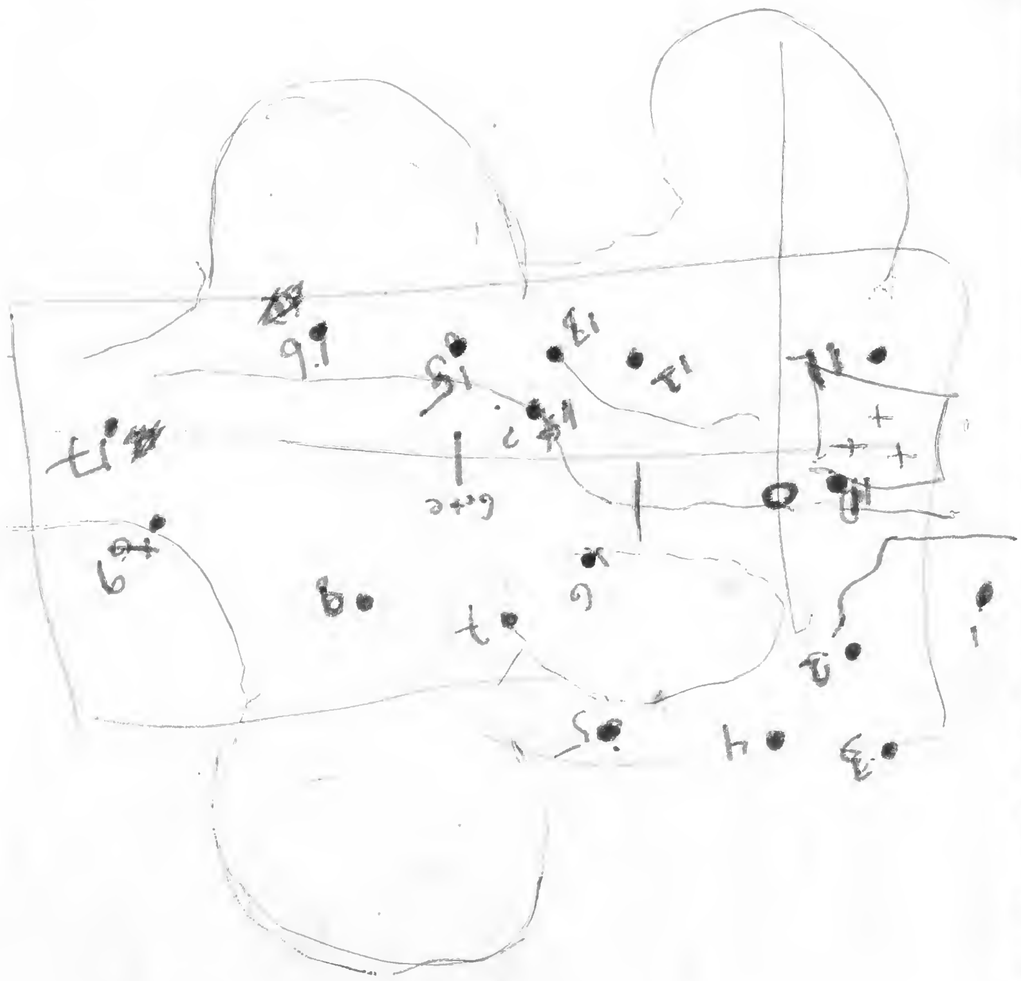
3/30

E. Toucanet
W.B Emerald
Greenish Elaenia
W.E. Hummingbird
Ruby-throated Hummingbird
Smoky Brown Woodpecker
Townsend's Warbler
A Wilson's Warbler
Am. Redstart 3/29
MacGillivray's Warbler
Ovenbird
N. Waterthrush
A Black & white Warbler
Worm eating Warbler
Mourning Warbler
Blackburnian Warbler
O. sparrow 41
BB Cuckoo
BBluer ~~Allen Hawk~~
F.T Warbler
Hermit Warbler
Flowerpecker 156
60
75
Hellmaster
Birding Hour 8 71





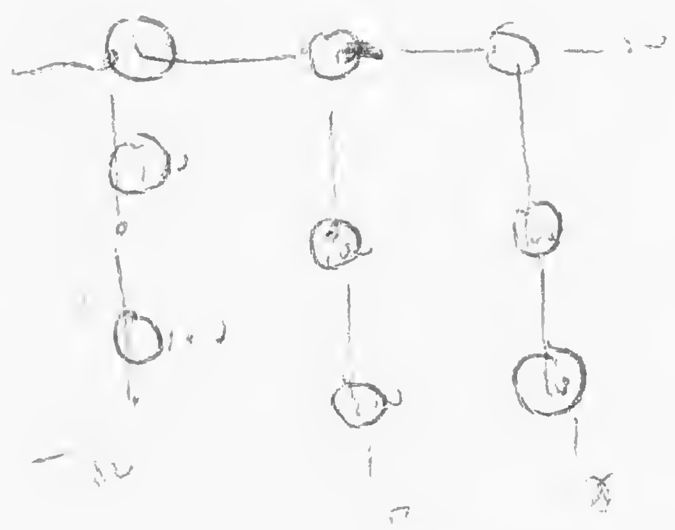




N. oriole Fory		little	
B. Lonole		little	
Bc vireo	✓	mod - alot	= mod
Black-throated Green Warbler	✓	a lot	
~~[illegible]~~	?		
Wilson's warbler	✓	a lot	
Nashville warbler	✓	a lot	mod
B+W warbler	✓	mod	
R. C. warbler	?	little -	
C. P. warbler	?	little -	
G. C. warbler	✓	moderate	
Tr. fly flyer	✓	little-mod	
S. Pewee	✓	moderate	
H. flycatcher	✓	moderate	
Cordilleran flycatcher	✓	little-mod	
Solitary Vireo		~~mod~~	low.
B. [illegible]	✓	a lot	
[illegible]	✓	mod-little	high
B. [illegible]	?	little	high
Bookfinger	✓	a lot	high
W. V. Tanager	?	vg little	
S C Woodpecker	?		?
C. C. warbler	?	little	some
S T Redstart	✓	little	
D C flycatcher	✓	mod	
B. B flycatcher	?	little	
Sound flycatcher	?	little	
R C Kingler	✓	little-mod	
Tropical Parula	?	little	
W E Vireo		mod	
Y W Tanager		little	some

	25m	92 16.6	111 + 14		101
F[illegible]		5m		20 - 30m	
5		5		10	
40		50		50	
250		450		175	
250		250		350	
200		100		90	
100		5		50 ?	
152		30			32
30		20		100	
175		50		100	
50		150		300	
150		70		300	
150		5		20	
250		50		100	
50		5		200	
100		550		5	
		(0)		30	
				5	
				180	
				30	
80	150		390	10	50
5	200	5			10
5	100		1	300	300
5	100	5	5	100	200
50	50	50	5		100
	50	70	5	250	100
		300	50	5	100
		350	20	70	50
		200	50	40	5
		100	150	150	5
		100			5
		100	70		

Bird Abundance phenology



Nesting

Things to do

1 — mile

Grallaria ppu

- Phenology
- Pt cts on Plot
- resighting protocol
- collect plants
- Grid Plots
- foraging

Period I

Mid Nov - Mid Feb

Period II

[illegible]

Rustic 50 × 25 = 1250 1250

Grallaria -

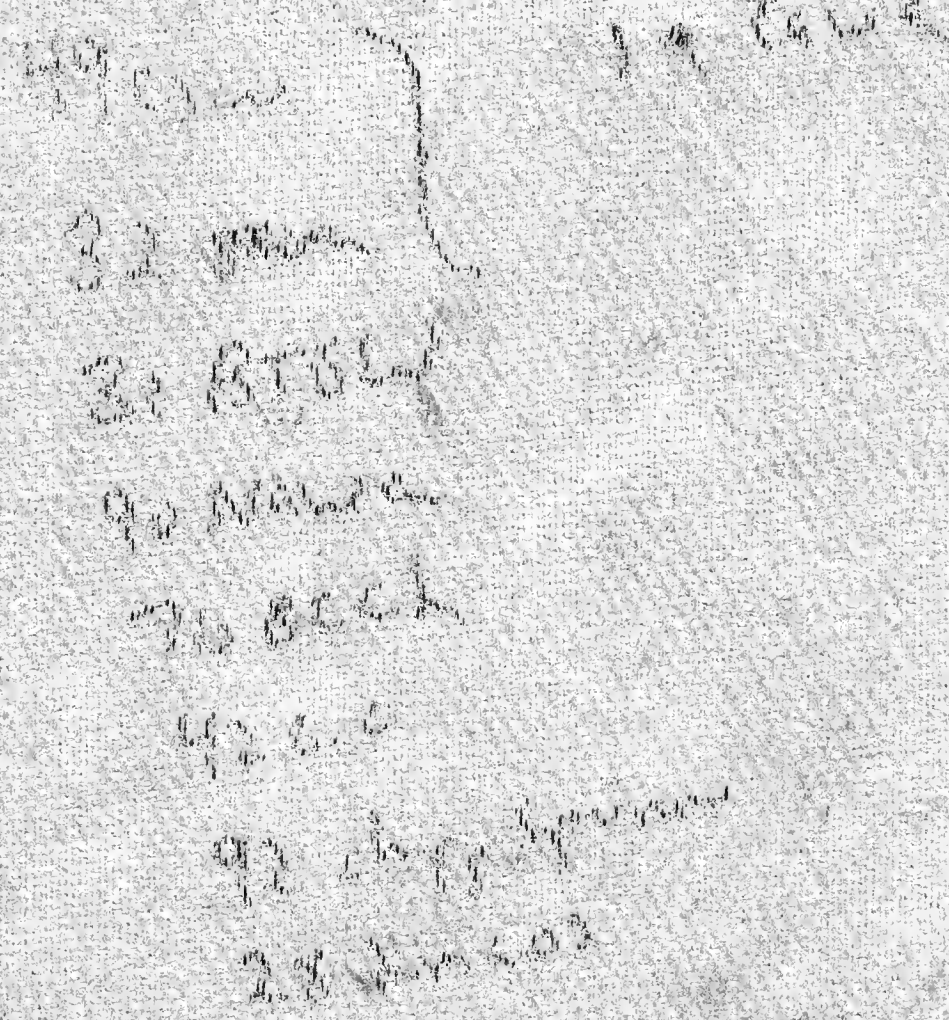
[illegible]

photographs

[illegible]

String.

Inga

1250 1250

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