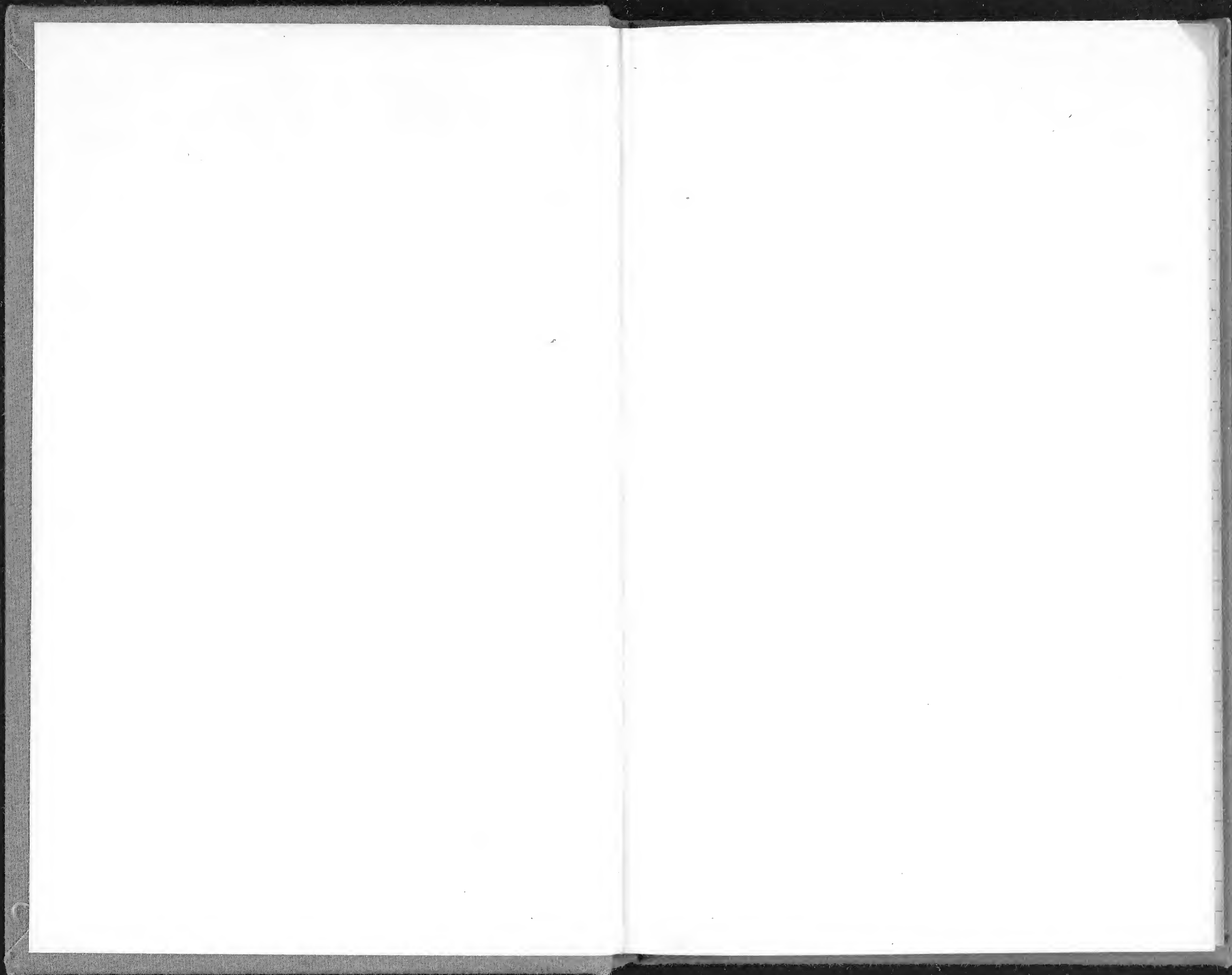
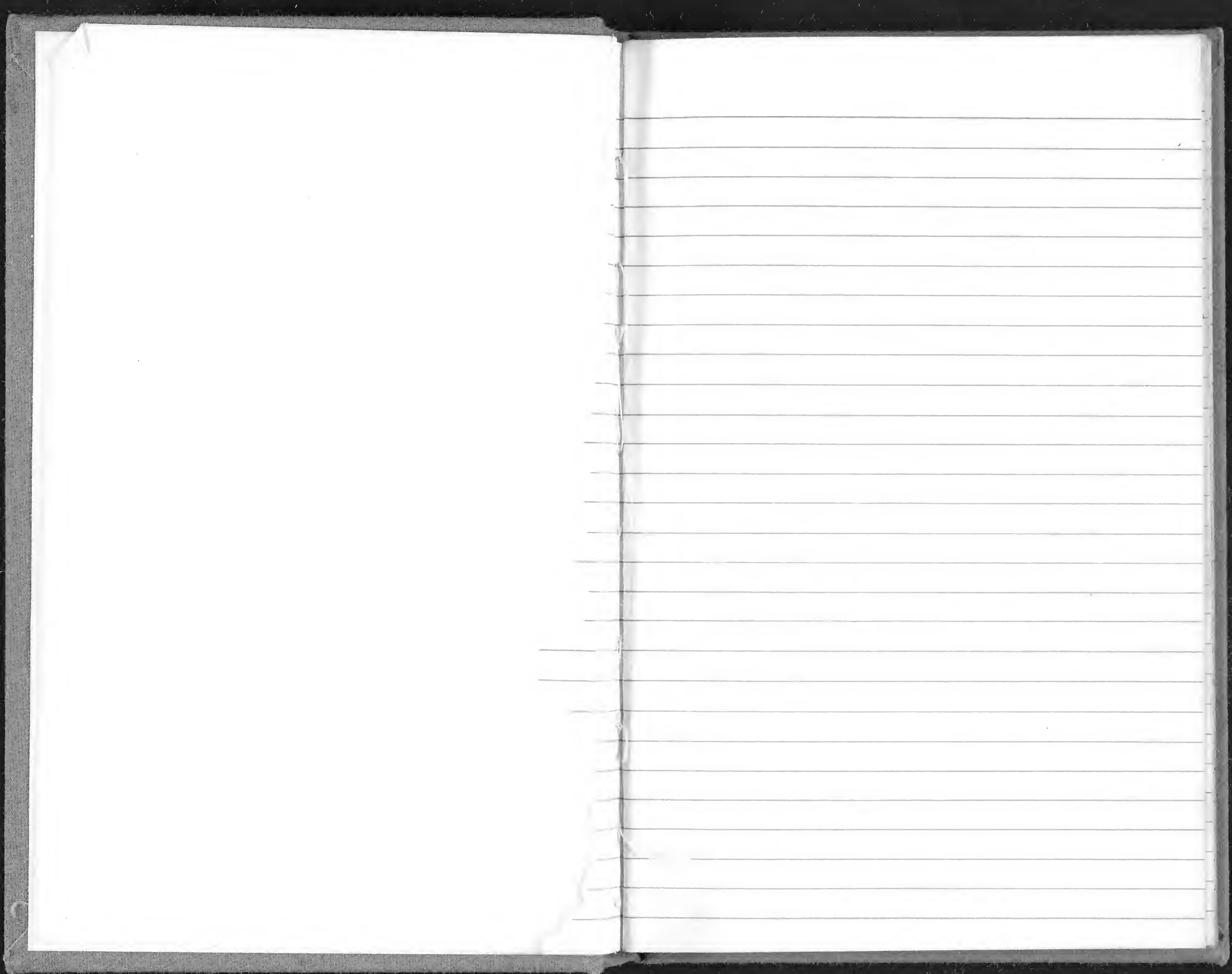


ECB

7530-00-222-3521  
FEDERAL SUPPLY SERVICE  
(GPO)





30 May 79

North Branch

Temp Air 23.5°C

~2:00 PM

Temp G 19.5°C

Sunny clear & calm, humid

2 discs with 20 pinhead  
crickets on each

	Bart #1	Bart #2
2:00	○	○
4:00	○	1 Pimp on + off disc
4:15	○	1 Leuca on disc
5:30	○	1 Pimp on + off with C
6:00	1 Pimp on disc	1 Pimp on disc
6:30	"	1 Pimp off with C
7:10	Pimp off with C	
8:00	○	1 Pimp on + off with C
9:00	○	1 Aradid on disc
9:15	1 Pimp on disc	Aradid off with C
10:00	Pimp off disc	1 Pimp on disc
10:15	C	Pimp off with C
10:30	○	Pimp on disc
11:00	○	Pimp off with C
13:00	1 Pimp on disc	○
14:00	Pimp off disc	○

cont.

baire #1

baire #2

15:00	Pimp on disc	Pimp off with C
15:20	Pimp off with C	Pimp on disc
16:15	2 Pimp on disc	Pimp off disc
17:00	1 Pimp off with C	O
17:15	Other Pimp off disc	O
18:00	Pimp on disc	O
18:10	Pimp off with C	O
18:20	Pimp on disc	Pimp on disc
18:45	Pimp off with C	Pimp off with C
19:30	Pimp on disc	Pimp on disc
20:00	Pimp off disc	Pimp off with C
20:30	O	Arundis on - off with C
21:00	O	Pimp on off with C
22:00	Pimp on - off with C	O
22:20	Arundis on - off with C	C
23:00	Arundis on - off with C	C
23:20	Pimp on - off with C	Arundis off
24:00	O	Arundis off - on C
24:20	C	Pimp on disc
24:30	O	Pimp off with C
25:00	2 Pimp on disc	1 Pimp on disc
25:40	Pimp off with C	"
26:00	Other Pimp off with C	"
26:00	Pimp on - off with C	Pimp off with C
26:30	1 Pimp on disc	2 Pimp on disc
27:05	off with C	Pimp off with C
27:20	1 Pimp on disc	1 Pimp off with C

baire #1

baire #2

28:00	1 Pimp on disc	2 Arundis + 2 Pimp on disc
28:10	"	1 Arundis off with C
28:25	"	1 Pimp off with C
28:25	"	1 Arundis off with C
29:00	Pimp off with C	3 Pimp on base
29:10	O	1 Pimp off with C
30:05	1 Arundis on disc	END
30:40	Arundis off with C	
31:00	2 Pimp on disc	total 21 C
31:15	1 Pimp off with C	
32:10	1 Arundis on - off with C	
32:35	1 Pimp off with C	
32:40	2 Pimp on disc	
33:10	Pimp off with last C	

END

only 19 crickets

30 May 79

~ 245 AM

North Branch

2 traps with 20 Pinhead crickets  
Darts approx 21 quart.

bait # 1

bait # 2

2:15	0	1 trap on disc
3:10	0	Pinch off with C
3:30	0	2 traps on disc
3:45	0	1 trap off with C
4:15	0	1 trap on disc
4:30	2	3 traps on disc
5:00	0	1 trap off with C
5:15	0	1 trap on disc
5:45	0	4 traps on disc
6:00	0	2 off with C
6:15	0	6 traps on disc
7:00	0	2 traps on disc CC
7:30	0	2 traps on disc
8:00	0	2 more C's remain CC
8:15	0	7 C's remain
8:45	0	4 traps on disc
9:00	0	1 trap off with C
10:00	0	2 traps off with CC
11:00	0	2 traps off with CC
11:15	0	1 trap off with C

Bait # 1

Bait # 2

12:00 0

3 Pumps on disc -

13:00 0

Crickets gone

15:00 All crickets remain

END

20:00 1 Leiru on disc

25:00 0

30:00 0

END

All crickets

Remain

58:00

5 crickets

1 Leiru

4 June 79  
North Branch

Clearing + bleed of  
14:00 hrs

Heavy Rains ~3" over last 48 hrs

Ground 19.0°C

Air 19.0°C

20 crickets bait

Bait # 1

Bait # 2

1:00 0

0

1:15 1 Ant on disc

1 Pump on disc

2:00 Ant off with C

Pump on disc

2:30 0

Pump off with C

3:30 0

Ant off with C

3:00 0

Pump on disc

4:00 0

4:30 0

Pump off with C

5:00 0

Pump on disc

5:30 0

Pump off with C

6:00 0

5 Pumps on disc

6:45 0

7:00 0

2 Pumps off with C

7:30 0

2 Pumps on disc

8:00 0

1 Pump off with C

8:10 0

1 Ant off with C

9:00 0

2 Pumps on disc

9:05 0

1 Pump off with C

9:20 0

4 Pumps on disc

9:45 0

2 Pumps on disc CC

bait # 1

bait # 2

bait # 1 (cont)

10:00 0  
 11:00 0  
 11:05 0  
 11:10 0  
 11:20 0  
 11:45 0  
 12:00 0  
 12:15 0  
 12:25 0  
 12:35 1 Pump on disc  
 13:10 " " "  
 13:15 2 Pumps on disc  
 15:00 1 Pump removed off C  
 16:00 0  
 16:30 1 Pump on disc  
 16:45 Pump removed off C

3 Pumps on disc  
 3 Pumps removed off C  
 6 Pumps on disc  
 1 Pump removed off C  
 1 Pump removed off C  
 2 Pumps removed off C  
 5 Pumps on disc  
 1 Pump removed off C  
 1 Pump removed off C  
 2 Pump removed off C  
 2 Pumps on disc  
 All crickets gone

END

1315



18:00 0  
 18:10 1 Pump on disc  
 19:00 1 Pump on disc  
 19:15 1 Pump on disc  
 23:00 0  
 23:15 1 Pump on disc  
 23:30 1 Pump on disc  
 25:00 0  
 25:25 1 Pump on disc  
 26:30 1 Pump on disc  
 27:00 1 Pump on disc off with C  
 27:30 1 Pump on disc  
 28:00 1 Pump on disc  
 29:00 1 Pump entered disc grabbed and left in ~2 sec  
 30:00 1 Pump on disc  
 30:50 1 Pump off with C  
 31:00 1 Pump on disc  
 31:20 1 Pump off with C  
 31:40 1 Avudis on disc  
 31:55 Avudis off with C  
 32:10 1 Pump on disc  
 32:20 1 Pump off with C  
 34:00 0  
 35:00 1 Pump on disc cont. J



ball # 1 route

35:30 Pimp off with C

37:00 O

38:00 1 Pimp on disc

40:00 1 Pimp on disc going to  
every cricket: apparently biting down

40:00 Pimp still biting C

40:30 Another Pimp do something

41:00 1 Pimp left with C

41:10 Other Pimp going around  
tree with jerk motion

42:00 Pimp on & off with C

42:45 1 Pimp on disc

43:00 Pimp off with C

43:30 Pimp on disc

45:30 1 Pimp off with C

46:00 Pimp on disc

46:15 1 Pimp off with C

46:30 O

46:45 1 Pimp on disc

47:00 2 Pimp on disc

47:45 1 Pimp on disc

48:00 O

48:30 1 Pimp on disc

49:00 Pimp off with C

55:00 Pimp on disc

55:30 1 Pimp on disc

ENC

4 June 79

North Branch

~1500 hours

mostly clear slight breeze

Air temp ~19.0°C

Soil temp 18.5°C

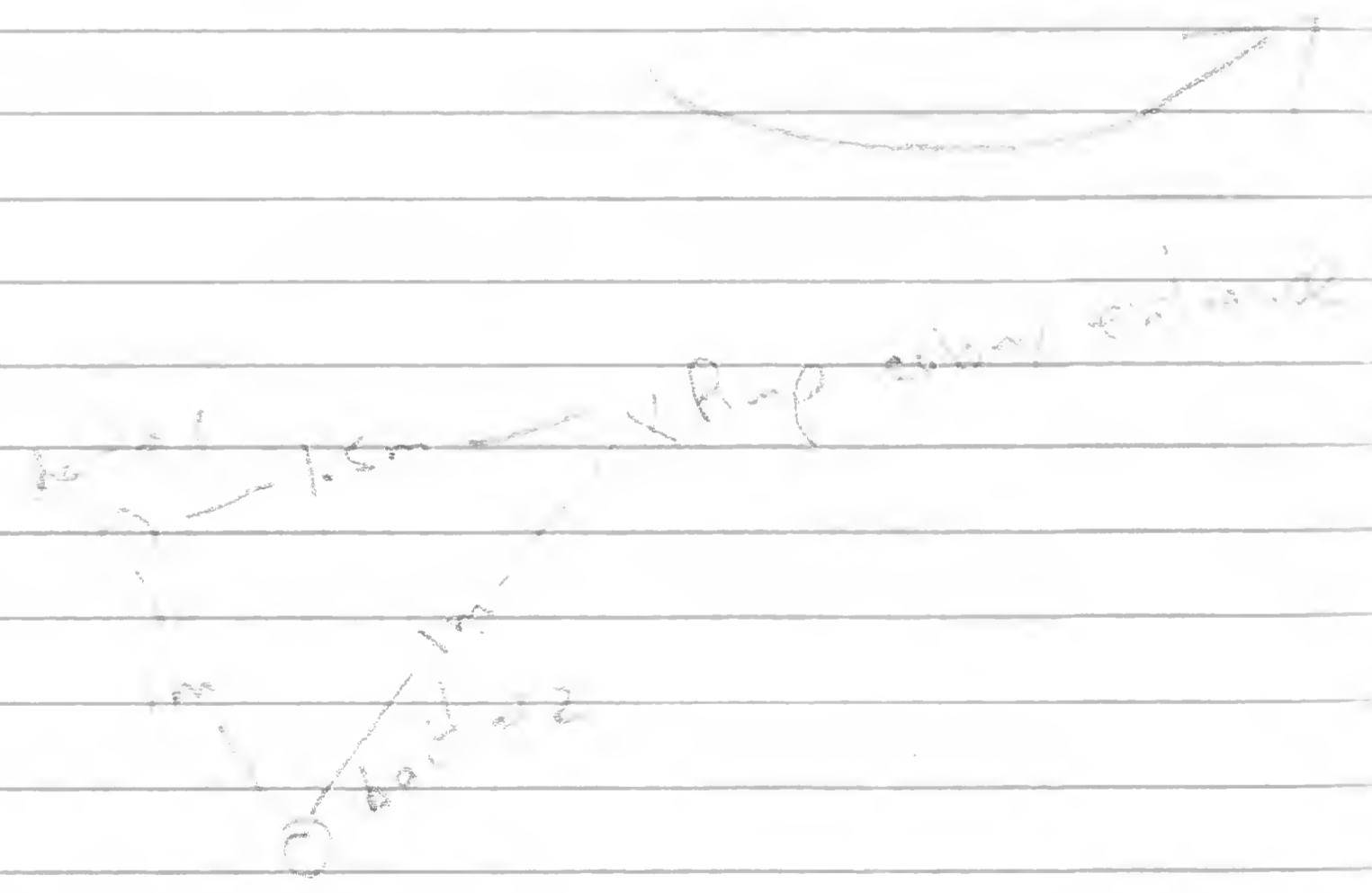
Time	Notes	Ball #2
1:00	O	1 Pimp on disc
1:25	O	1 Pimp off with C
2:00	O	1 Pimp on disc
2:15	O	1 Pimp on disc
2:30	O	2 Pimp on disc
2:45	O	1 Pimp off with C
3:25	O	1 Pimp off with C
4:00	O	O
6:30	O	1 Pimp on disc
7:15	O	1 Pimp on disc
8:00	O	1 Pimp on disc
8:15	O	1 Pimp on disc with C
9:30	O	1 Pimp on disc
11:00	O	1 Pimp on disc
11:15	O	2 Pimp on disc
12:10	O	1 Pimp on disc
12:45	O	1 Pimp on disc
14:00	1 Pimp	1 Pimp on disc
14:15	2 Pimp	1 Pimp on disc
15:00	O	1 Pimp on disc

Day 1/1      Day 1/2

10:00 1 Arndis on disc  
 10:15 Arndis leaves with C  
 16:30 0  
 17:30 0  
 18:00 0  
 18:05 0  
 18:15 1 Arndis takes C  
 18:45 0

2 Pimp on disc  
 1 Pimp takes C  
 1 Pimp on disc  
 Pimp takes C  
 2 Pimps on disc  
 Pimp takes C  
 3 Pimps on disc  
 1 Pimp takes C

new nest in 11/9



Day 1/1      Day 1/2

19:00 0  
 19:45 0  
 20:15 0  
 20:20 0  
 20:40 0  
 21:00 0  
 25:00 1 Arndis on disc  
 25:15 Arndis takes C  
 26:20 Arndis on disc  
 26:40 Arndis takes C  
 26:50 Arndis on disc  
 27:15 Pimp comes on disc & chases Arndis  
 28:00 Pimp takes C  
 28:20 Arndis on disc  
 30:00 Arndis on disc  
 30:15 Arndis Arndis enters disc during the  
 31:00 Arndis on disc  
 31:30 Arndis apparently drinking from  
 water drop on disc  
 32:00 Pimp carries off C  
 32:30 Pimp on disc  
 32:50 Pimp leaves with C  
 35:00 Arndis on disc  
 35:25 Arndis leaves with C  
 35:45 Arndis on disc  
 36:00 Pimp also on disc  
 36:25 Pimp leaves with C

1 Pimp takes C  
 2 Pimps on disc  
 Pimp takes C  
 Pimp takes C  
 2 Pimp takes with C  
 All C's gone  
 2/1/2  
 5:30

37:00 Aardis still on disc. Now drinking from water drop.

37:23 Aardis still drinking

38:45 Aardis leaves with C

39:00 Pimp on disc

39:20 Pimp leaves with C

40:00 Aardis on disc

40:20 Pimp leaves with C

41:00 Pimp on disc

41:15 2 Pimps on disc

41:35 1 Pimp leaves with C

42:00 1 Pimp leaves with C

42:30 Pimp on disc

42:50 Pimp dragging water drop

43:15 Pimp leaves disc with C

44:00 Aardis on disc

44:05 1 Aardis grabs 2 insects and leaves

44:20 Pimp on disc

44:50 Pimp takes last C

(END)

5 June 79  
10:30

Sunny + breezy

T<sub>G</sub> - 18.5°C  
T<sub>A</sub> - 21°C

	bait # 1	bait # 2
2:00	0	0
2:05	1 Pimp on disc	0
2:15	Pimp removes C	0
4:00	1 Aardis on disc	0
4:20	1 C removed	0
6:00	0	0
8:00	1 Pimp on disc	0
8:15	1 C removed	0
9:30	1 Aardis not off with C	0
12:00	0	1 Aardis on disc
13:00	1 Aardis on disc	Aardis off with C
13:20	Aardis off with C	0
15:00	0	0
15:45	1 Pimp on disc	0
16:20	Pimp removes C	0
17:00	1 Aardis on disc	0
17:30	0	1 Pimp on disc
18:00	1 Pimp on disc	0
18:40	Pimp removes C	0
21:20	2 Pimps on disc	0
21:40	Pimp removes 1 C	1 Pimp on disc
21:50	Pimp on disc	0

bait # 1

23:00 2 Pimps on disc  
 23:05 Pimp removes 1 C  
 23:15 Still 2 pimps on disc  
 23:40 Pimp removes 1 C  
 24:20 1 Pimp on disc  
 25:00 Pimp removes C  
 26:00 3 Pimps on disc  
 27:00 2 Pimps off with C  
 28:00 1 Pimp on disc  
 28:15 "  
 29:00 2 Pimps on disc  
 30:00 1 Pimp off with C is  
 30:30 3 Pimps on disc  
 31:00 2 Pimps off with C  
 31:15 5 Pimps on disc  
 31:20 1 Pimp off with C  
 31:50 1 Pimp off with C  
 33:00 Last C gone  
 6 Pimp on disc

END

34:00  
 34:15  
 34:35  
 35:00  
 36:00

bait # 2

0  
 0  
 0  
 0  
 1 Audis off with C  
 0  
 0  
 1 Pimp on disc  
 Pimp off with C  
 0  
 0  
 0  
 1 Pimp on disc  
 Pimp off with C  
 0  
 0  
 1 Pimp on disc  
 1 Pimp off with C  
 0  
 1 Audis off with C  
 with C  
 2 Pimps on disc  
 1 Pimp off with C  
 2 Pimps on disc  
 1 Pimp off with C  
 1 Audis + 2 Pimps  
 on disc

cont →

bait # 2

36:15 Audis off with C  
 36:20 1 Pimp off with C  
 37:00 2 Pimps on disc  
 37:10 1 Pimp off with C  
 37:25 1 Pimp dragging gaslar all around  
 remains in Cickets  
 38:00 1 Pimp off with C  
 39:00 0  
 39:25 1 Pimp on disc  
 39:40 Pimp off with C  
 40:00 0  
 41:00 0  
 41:30 1 Pimp on disc  
 41:45 2 Pimps on disc  
 42:00 1 Pimp off with C  
 42:30 2 Pimps on disc  
 42:50 1 Pimp + 1 Audis on disc  
 42:40 Audis off with C  
 43:00 Pimp off with C  
 43:30 1 Pimp on disc  
 43:45 2 Pimps on disc  
 44:00 1 Pimp off with C  
 44:30 1 Pimp on + off with C  
 1 Pimp still on disc  
 44:50 3 Pimps on disc  
 46:00 2 Pimps off with C  
 cont ↓

Cont # 2

46:30 3 Pimps on disc  
47:00 3 Pimps still on disc  
wandering around Last C  
48:15 Pimp removes Last C

ENO

Pimp



Stream

ECB #34

5 June 79

North Emission

11:30

sun in shadow

TA 22.0 °C

Tg 18.5 °C

pressure 0.1000 / bar

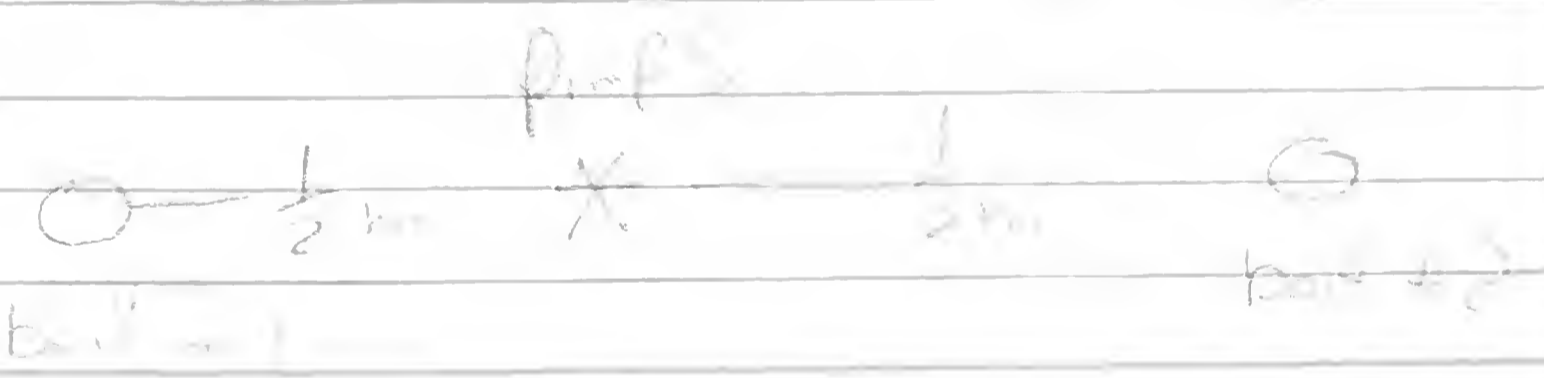
Cont # 3

Cont # 4

5:30

1 Amdin climbing a  
pole beyond south of disc

6:00 Pimp on off with C



8:00 11 Pimps on off with C

9:00 Pimp on disc

9:50 Pimp off with C

10:00 0 1 Pimp on disc

10:10 0 mp off with C

10:00 1 Pimp on disc

10:15 Pimp off with C

cont. ↓

bait # 3

bait # 4

bait # 3

bait # 4

13:00 1 Pump on disc

13:30 Pump off with C

14:00 1 Pump on disc

15:00 0

16:00 0

17:00 0

18:00 1 Pump on disc

18:30 Pump off with C

19:00 1 Andis on disc

19:30 Andis

20:00 Andis

20:30 1 Pump on disc

21:00 2 Pumps on disc

22:00 1 Pump on disc

23:00 1 Pump 1 Andis on disc

23:30 Andis leaves with 3 C

24:00 1 Pump on disc

24:30 1 Pump on disc

25:00 0

26:00 0

26:15 1 Pump on disc

27:10 Pump leaves with C

28:00 0

28:15 0

29:15 0

30:00 0

0

1 Andis on disc

Andis off with C

0

0

1 Andis on disc

0

0

0

0

0

1 Andis on disc

0

0

0

0

0

1 Pump on disc

1 Pump on disc

1 Pump on disc

0

0

0

1 Pump on disc

Pump leaves with C

1 Andis on disc

Andis leaves with C

cont

31:00 1 Pump on bait

31:30 Pump leaves with C

32:00 1 Andis on disc

32:10 0

32:40 Andis takes C

33:00 0

33:20 0

34:00 0

34:10 1 Andis on disc

35:00 Andis takes C

35:10 0

36:00 1 Pump on bait

36:15 Pump takes C

37:00 0

37:05 0

37:15 0

37:25 0

37:30 1 Pump on disc

38:00 Pump takes C

38:00 0

39:30 0

40:10 0

41:00 0

41:20 0

44:00 Pump takes

leaves with C  
END

0

0

0

1 Andis on disc

Andis takes C

0

1 Pump on disc

Pump takes C

1 Pump on disc

Pump takes C

0

1 Pump on disc

0

1 Pump takes C

2 Pumps on disc

1 Pump on disc

1 Pump on disc

1 Pump on disc

0

2 Pumps on disc

2 Pumps takes 2 CC

1 Andis on disc

Andis takes C

0

Andis on disc with C

curlet

(cont)

Unit 4

44:30 Ants on & off without  
Ants going from C to C  
& not taking any

46:00 Pimp on & off disc

47:30 1 Pimp takes C

49:00 0

51:00 0

54:00 1 Pimp on & off

56:00 2 Ants on disc

58:00 1 Ant on disc

59:00 1 Ant on disc

59:30 0

59:50 0

59:55 0

Two circles

1 Ant on

disc



5 June 79

1430 hrs

sun 10:00

T<sub>A</sub> 26.5

T<sub>e</sub> 29.0

Ants

20:00

bait #5

bait #6

2:00 0

0

3:00 0

0

7:00 0

1 Pimp on bait

7:30 0

Pimp takes C

9:30 0

1 Ant on - off bait

12:00 0

13:00 0

15:00 0

17:00 0

19:00 0

20:00 0

21:10 0

21:20 0

21:45 0

21:50 0

22:00 0

22:15 0

22:15 0

22:50 0

27:00 0

30:30 0

35:00 0

38:00 0

40:00 0

41:00 0

41:30 0

42:00 0

42:30 0

Pimp on & off  
with C

cont

1 Pimp on & off with C

0

0

0

0

0

0

0

0

0

0

0

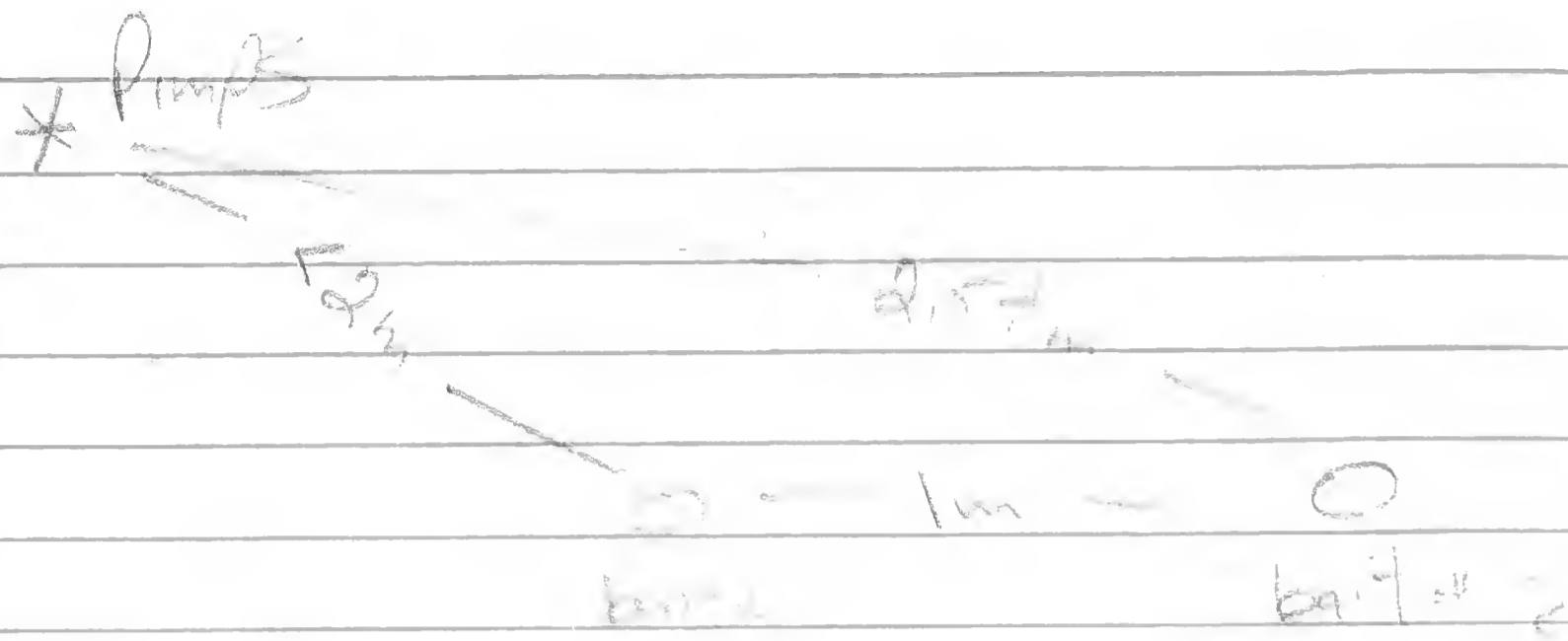
Time	Bait # 1	Bait # 2
32:30	1 Pimp on disc	
32:45	Pimp takes C	0
33:00	Pimp on disc	0
33:45	Pimp takes C	0
34:00	1 Pimp on disc	0
35:00	Pimp takes C	1 Pimp on disc
36:15	0	Pimp takes C
37:00	0	0
38:00	0	0
39:00	1 Pimp	0
39:45	Pimp takes C	0
40:00	2 Pimps on disc	0
40:30	3 Pimps on disc	0
41:00	2 Lt. colored Pimps on disc The darker one.	0
41:00	dark Pimp leaves	
	one Pimp takes C	0
41:30	1 Pimp on disc	0
42:00	2 Pimps on disc	1 Arachis on off
42:15	Both Pimp take C	Arachis takes C
43:00	2 Pimps on disc	0
43:15	1 Pimp takes C	0
44:00	Now 4 Pimps on disc	1 Afuba on disc
44:15	2 Pimps take C's	1 Afuba
44:30	5 Pimps on disc	Afuba takes C
45:00	1 Pimp takes C	0
45:15	5 Pimps still on disc	0

Time	Bait # 1	Bait # 2
46:00	2 Pimps take C's	0
47:00	6 Pimps on disc	1 Pimp on disc
47:20	All C's gone	1 Pimp on disc
	5 Pimps on disc	
	END	
48:00	---	Pimp takes C
49:00		1 Afuba on disc
49:10		2 Afuba on disc
49:30		1 Afuba takes C
50:00		1 Afuba on disc
53:00		1 Pimp on disc
53:30		Pimp takes C
55:00		1 Afuba on off with C
59:00		1 Pimp on + off with out C
60:00		0
		END

After 75 min	9 Crickets remain
After 105 min	4 Crickets remain

No Pimp nest within 2m of disc cont 2





ENC

1530 HRS  
North Branch

5 June 79

bait # 7

bait # 8

- |      |   |                          |
|------|---|--------------------------|
| 3:00 | 1 Pimp on disc  | 0                        |
| 3:15 | 2 Pimp on disc  | 0                        |
| 3:30 | 1 Pimp leaves with C  | 0                        |
| 3:45 | 3 Pimps on disc   | 0                        |
| 4:00 | 3 Pimps base with CC  | 0                        |
| 4:15 | 3 Pimps on disc   | 0                        |
| 4:30 | 1 Pimp takes C  | 1 Pimp on disc           |
| 4:45 | 1 Pimp takes C  | 1 Pimp takes C           |
| 5:00 | 4 Pimps on disc<br>Spray in area  | 1 Audis on off<br>with C |
| 5:15 | 2 Pimps take CC   | 0                        |
| 5:30 | 5 Pimps on disc<br>Pimp takes C   | 0                        |
| 5:45 | 5 Pimps on disc   | 1 Pimp takes C           |
| 6:00 | 5 Pimps on disc 3 CC  | 0                        |
| 6:15 | Several Pimps dragging<br>waxers. Many doing it<br>without C's. Impossible<br>to follow individual Pimps. | 0                        |
| 7:45 | ~ 15 Pimps on disc  | 0                        |
| 8:00 | 5 Cocoon remain   | 1 Audis on disc          |
| 8:15 | 1 Pimp takes C  | 0                        |
| 8:30 | 2 Pimps take C  | 0                        |
| 8:50 | 2 pairs of Pimps<br>flourish spraying<br>each other   | 1 Audis takes C          |

bait # 1

bait # 2

9:00 1 cricket remaining  
~10 Pimpas on disc

○

10:00 Pimp takes last C 1 Pimp

END

11:00

○

14:00

○

16:30

1 Aud's on disc

17:15

Aud's leaves  
without C

20:00

○

26:00

1 Fulva takes C

30:00

○



bait # 1

bait # 2

37:00

1 Fulva on disc

39:00

Fulva takes C (disc)

45:00

1 Pimp on left disc

53:00

1 Long on disc

CONF.

bait # 2

54:00

1 Long apparently eating on  
the C

56:00

1 Long on disc

57:00

1 Long on disc

END

14 C's remain

T<sub>A</sub> 21°C  
T<sub>S</sub> - 20°C

6 June 77

1000 HRS

North Branch

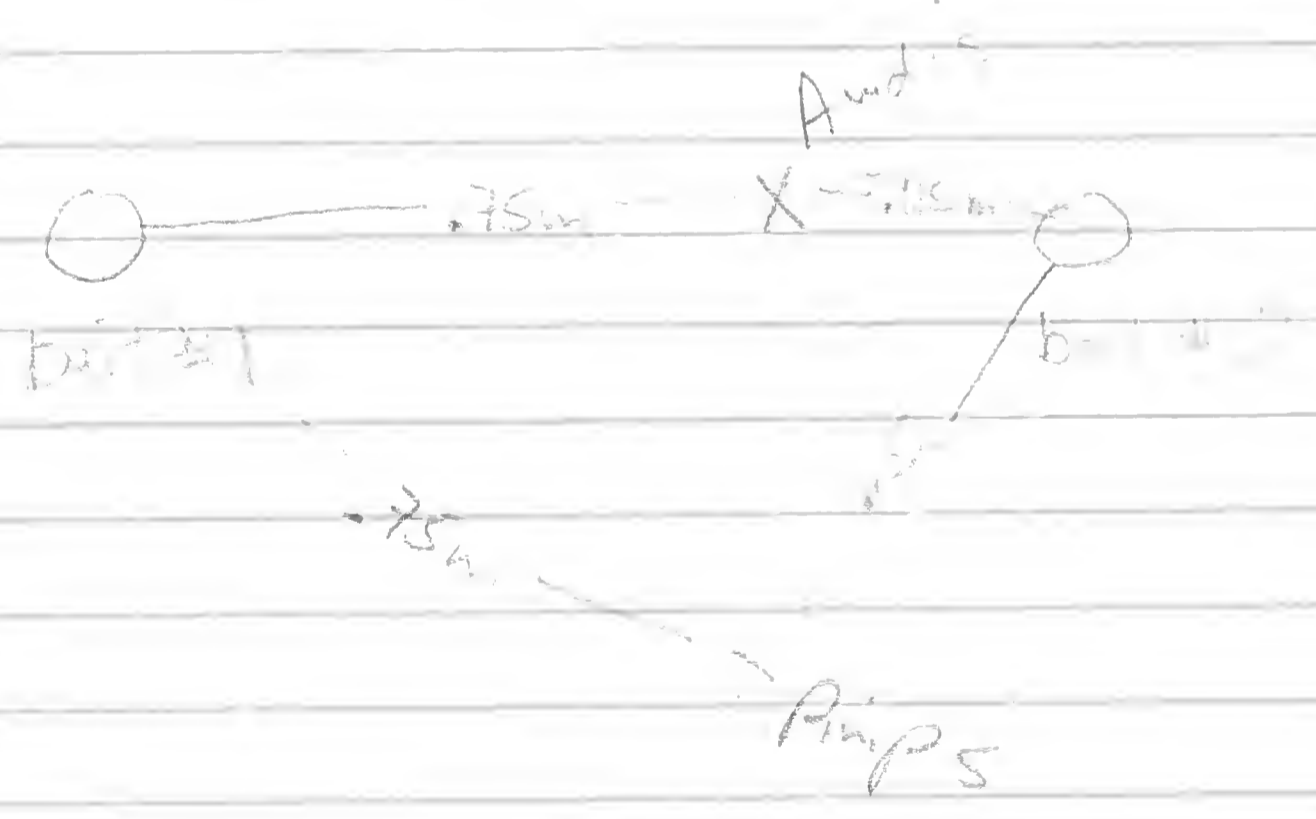
cray / water humid

20 enclets / bait

	bait #1	bait #2
2:15	0	1 Andis on disc C
3:15	0	1 Andis on disc with C
	Pimps active in area of both baits	
4:00	0	1 Andis on disc
5:15	0	Andis takes C
6:00	1 Andis on disc	0
7:15	Andis takes C	0
8:30	0	1 Andis on disc
9:30	0	Andis takes C
10:00	1 Imp on disc	0
10:30	Pimp takes C	0
11:00	0	1 Andis takes C
11:30	0	1 Andis takes C
12:00	0	1 Pimp on disc
12:15	0	Pimp takes C
12:45	0	1 Andis on disc
13:30	0	1 Andis on disc
14:00	0	1 Andis takes C
14:30	0	Other Andis takes C
15:00	1 Imp on disc	0
15:30	Pimp digs gaster	0
15:45	Andis takes C	0
15:50	1 Andis	1 Andis
16:20	Andis takes C	2 Andis

cont.

	bait #1	bait #2
16:50	○	1 Andis takes C
17:00	○	1 Pump & 1 Andis C
17:40	○	Pump takes C
17:50	○	Andis takes C "
18:00	○	1 Pump on disc
18:30	○	Pump takes C
19:00	○	○
19:40	○	1 Andis on disc
20:00	○	Andis takes C
20:05	○	1 Pump on disc
20:10	○	Pump takes C
20:40	○	Pump on disc with C



22:00	1 Andis on disc	Andis on disc
22:40	Andis takes C	○

cont.

	bait #1	bait #2
21:00	○	2 Andis on disc
21:40	○	both Andis take C
22:00	1 Andis takes C	1 Pump on disc
22:40	○	Pump takes C
23:00	○	Andis takes C
23:30	1 Andis on disc	○
23:40	1 Andis on disc	○
24:00	1 Andis on disc	○
24:15	Andis takes C	○
24:20	1 Andis on disc	○
24:30	Andis takes C	○
24:40	1 Andis on disc	○
24:50	Andis takes C	○
25:00	1 Andis on disc	○
25:20	Andis takes C	○
25:30	1 Andis on disc	○
25:40	Andis takes C	○
25:50	1 Andis on disc	○
26:00	Pump takes C	○
26:10	1 Andis on disc	○
26:20	Andis takes C	○
26:30	1 Andis on disc	○
26:40	1 Andis on disc with C	○
26:50	1 Pump on disc	○
27:00	Pump still cycling disc	○
27:10	Pump leaves disc	○
27:20	1 Andis on disc & alt with C	○
27:30	1 Pump on disc	○
27:40	Pump takes C	○
27:50	1 Andis takes C	○
28:00	1 Pump takes C	○

END OBSERVATION

cont.

12/11/11

47:00 Puel on disc  
 47:15 Puel on floor  
 47:20 Puel drops off C  
 47:30 1 Pump still on disc  
 47:40 Pump takes  
 47:50 1 Andie on disc  
 48:20 Andie takes C  
 50:15 Pump takes disc

100 FPS  
 2500 RPM  
 North Branch

7:40 sunset

12/11/11

12/11/11

2:50	0	1 Pump on disc
3:00	0	Pump on floor
3:10	0	Pump leaves disc
3:20	0	Another pump on disc ✓
3:30	0	Pump on floor
4:30	0	1 Pump, 1 Andie on disc
5:00	0	Pump takes Andie
6:00	0	Pump still on disc
7:00	0	Pump takes C ✓
10:00	0	1 Pump on disc
11:00	0	1 Pump off disc
12:15	0	1 Andie on disc ✓
15:00	0	Pump on disc
15:30	0	Pump takes C ✓
15:45	0	1 Pump on floor
16:00	0	Pump leaves disc
17:00	0	Pump on floor
18:30	0	Andie goes to room ✓
19:00	0	1 Pump on disc
19:20	0	Pump leaves disc

cont

bait #3

bait #4

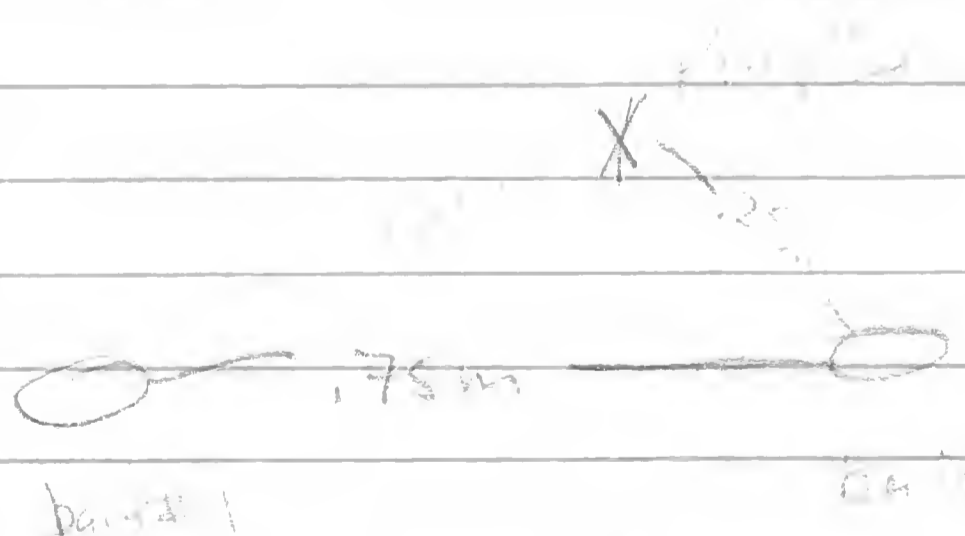
20:30 0 Pump on disc  
 20:45 0 Pump takes C ✓  
 21:00 0 Pump on disc  
 22:20 C Pump takes C ✓  
 23:00 0 Avoids one off work ✓  
 23:15 1 Pump on disc  
 24:00 Pump on disc ✓  
 25:00 0 both take CC ✓  
 26:00 0 Pump on disc  
 26:10 C 2 Pump on disc  
 26:30 0 1 Pump takes C ✓  
 27:00 0 Other pump takes  
 27:10 2 Pump on disc  
 27:20 0 Avoids takes C ✓  
 27:30 0 Pump takes ✓  
 28:00 1 Pump on disc  
 28:30 Pump takes C ✓  
 29:00 0 Pump on disc  
 30:00 0 2 Pump on disc ✓  
 30:15 0 Pump on disc ✓  
 30:30 0 5 Pump on disc ✓  
 30:40 0 1 Pump on disc ✓  
 30:50 0 1 Pump on disc ✓  
 31:00 0 3 Pump on disc ✓

bait #3

bait #4

21:00 0 2 Pump on disc ✓  
 21:30 0 2 Pump on disc ✓  
 22:00 0 5 Pump on disc ✓  
 22:30 1 Pump on disc  
 23:00 1 Pump on disc  
 23:30 0 1 Pump takes C ✓  
 24:00 0 3 Pump on disc ✓  
 24:30 0 1 Pump takes C ✓  
 25:00 0 6 Pump on disc  
 24:30 Pump takes C ✓  
 25:00 C All Crickets gone  
 25:10 1 Pump on disc 10 Pump on disc  
 25:30 2 Pump takes C ✓  
 26:00 0 Pump on disc  
 26:30 0 Pump on disc  
 27:00 0 Pump on disc  
 27:30 0 Pump on disc  
 28:00 0 Pump on disc

END 35 min



cont.

bait # 3

43:00 1 Aardvark on disc  
 45:20 Aardvark taken ✓  
 45:00 ○  
 46:30 Pimp on bait  
 47:20 Pimp taken ✓  
 48:50 Pimp on disc  
 49:15 2 Pimps on bait  
 50:00 1 Pimp taken ✓  
 50:40 2 Pimps on bait  
 50:20 1 Pimp on disc  
 50:40 Pimp taken ✓  
 52:00 ○  
 54:00 1 Lizard on disc  
 55:30 Lizard remaining ✓  
 56:00 1 Pimp on bait & 1 lizard  
 56:20 Pimp taken ✓  
 57:00 1 lizard  
 58:00 1 lizard  
 58:30 1 lizard

10 crickets remaining

END

TA 24.0

TJ 22.5

6/6/79  
 North Branch  
 1400 hrs

overcast, hot & humid  
 wind 2-6 mph

bait # 5

bait # 6

125 Pimp on bait

○

135 Pimp taken ✓

○

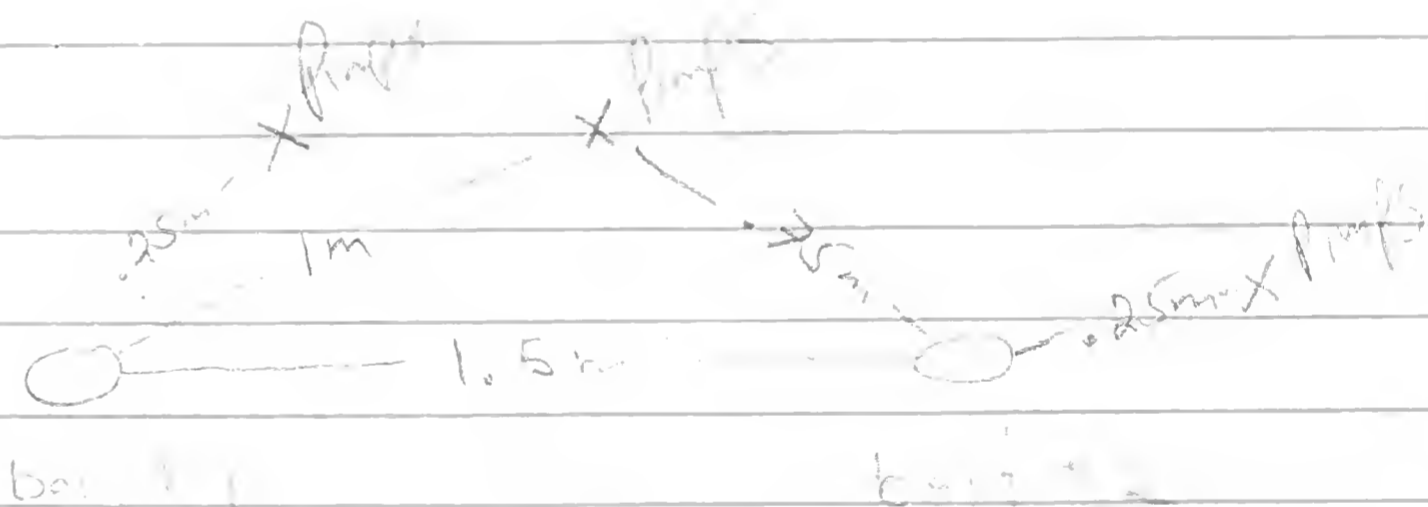
Pimps in nearby colony opening entrance  
 Most workers seem busy removing  
 pieces of sand from nest

300 ○

Pimp on bait

340 ○

Pimp taken ✓



5:00 ○

Pimp taken ✓

5:20 Pimp on bait

Pimp on disc

5:30 ○

Pimp taken ✓

5:40 Pimp taken ✓

○

5:50 ○

○

6:20 Pimp on disc

Pimp taken ✓

7:00 Pimp taken ✓

○

cont





6/6/79

TA - 23.5°C

Ta - 23.0°C

wee wet - humid

20 p.m. Cs / bar

bar # 7

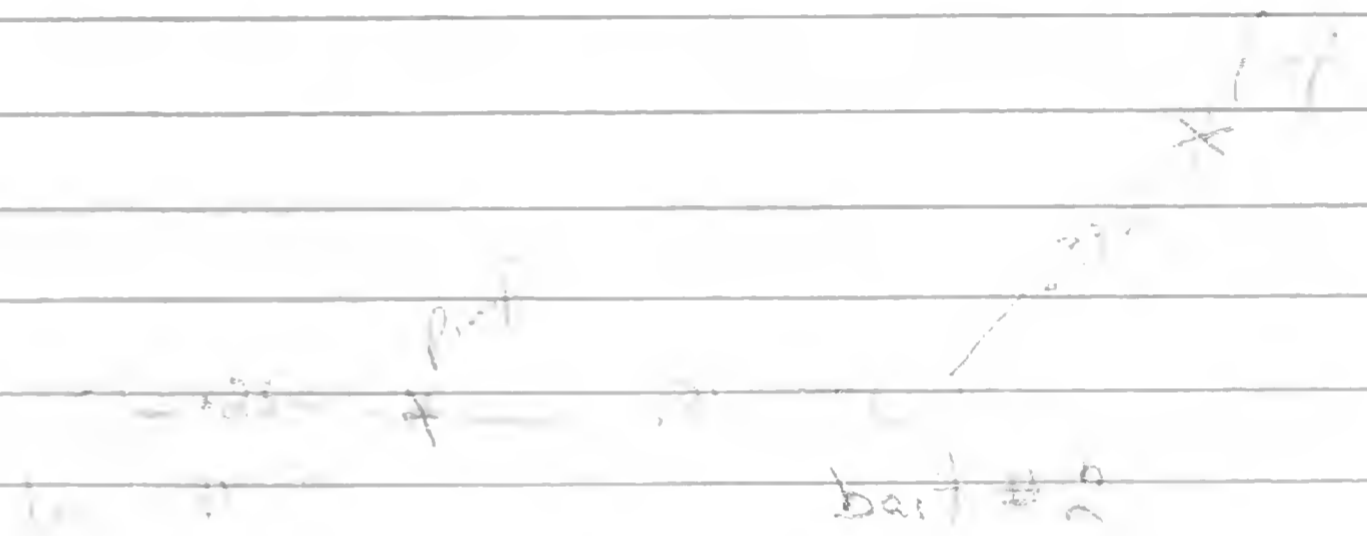
8

1:15

11 - 10:00

2:00

11 - 10:00



4:00

0

1 Mprtt on disc

4:30

0

Mprtt - 10:00

5:25

0

1 Prmp bias C

10:00

14:00

18:00

0

0

2 Primps on bait.  
fighting. Locking  
mandibles - pushing

24:00

0

0

cont

Time	Bar #1	Bar #2
36:00	0	1 Mpa on disc
38:00	0	Mpa takes C
39:00	1 Pump on disc	
39:30	1 Pump on disc	
40:00	0	1 Pump on disc C
40:30	0	0
41:30	0	1 Pump on disc
42:10	0	Pump takes C
46:00	0	1 Mpa on disc
46:30	0	Mpa takes C
52:00	0	1 Pump on disc
52:30	0	Pump takes C
55:00	1 Pump on disc	0
57:00	0	1 Mpa on disc
58:00	0	0
60:00	0	0

18 Cs remain

11 Cs remain

Act. 70 min 17 Cs remain

9 Cs remain

Act. 55 min 17 Cs remain

20

END

7 June 79  
North branch  
~1000 hrs  
TA  
TB  
hozy hot + humid

50 Pimp's  
Bar #1  
pimp's  
Bar #2  
1 Large C



Time	Bar #1	Bar #2
3:00	1 Pump on disc	0
4:00	Pump on disc	0
4:20	Pump off with C	0
4:30	Pump on disc	0
4:50	2 Pumps on disc	0
5:00	Pump takes C	0
5:10	Pump takes C	0
5:20	1 Pump on disc	0
5:30	2 Pumps 2 Antic on disc	0
5:40	2 Antic takes CC	0
5:50	1 Pump takes C	0
6:00	3 Pumps on disc	0
6:10	1 Pump takes C	0
6:20	2 Pumps on disc 1 take C	0
6:30	3 Pumps on disc 2 take C	0
6:40	2 Pumps on disc	0
6:50	1 Pump takes C	0

Time	Ant #1	Ant #2
8:30	2 Pimps on disc	1 Pnel on C
9:20	2 Pimps on CC	"
	New 4 Pimps on disc	"
	"	"
10:00	2 Pimps take CC	1 Pnel
10:30	3 Pimps on disc	2 Pnel
11:00	2 Cucklets removed	"
11:30	5 Pimps on disc	"
12:00	4 Cucklets removed	"
12:15	9 Pimps on disc	3 Pnel
12:45	~6 Cucklets removed	"
13:00	15 Pimps on disc	"
	~20 Cucklets removed	"
13:15	3 more C's removed	"
13:30	5 Pimps on disc	"
14:00	3 Pimps removed	1 Ant #1
14:10	10 Pimps on disc	"
15:20	5 Pimps on disc	"
15:30	6 Pimps on disc	1 Pimp 3 Pnel
16:00	8 Cucklets remain	"
16:30	4 Pimps on disc	3 Pnel
17:00	Ant #1 moved from disc	2 Pnel
17:40	2 Cucklets remain	"
18:00	6 Pimps on disc	"
18:20	0 Cucklets left	"
	9 Pimps on disc	2 Ant #1
	END	cont.

Time	Ant #1	Ant #2
19:00	3 Pimps arrive at same time, 1 Ant #1	
	2 Pnel	
20:00	Pimps have chased Pnel off	
	and 3 Pnel still on disc	
	4 Pimps + 3 Pnel	
	5 Pimps + 2 Pnel	
22:30	6 Pimps + 2 Pnel - 1 Ant #1	
23:00	Approx 15 Pimps on empty pinhead disc	
24:00	5 Pimps + 2 Pnel	
25:00	6 Pimps + 2 Pnel	
26:00	7 Pimps + 2 Pnel	
27:00	Ant #1 on disc	
28:00	8 Pimps + 2 Pnel	
29:00	13 Pimps + 2 Pnel	
30:00	Ant #1 leaves disc on disc 3:15	
31:00	16 Pimps + 2 Pnel	
	Ant #2 enters disc at 3:30	
32:00	24 Pimps on disc	
33:00	25 Pimps + 2 Pnel	
34:00	30 Pimps	
35:40	Ant #2 leaves disc on 1:45 3:45	
36:00	25 Ant #1	
	Ant #2 enters disc	
	cont.	

Part # 2

35:00 ~ 4 Pumps on disc  
 35:30 Ant # 1 leaves disc on disc 1st  
 36:00 Ant # 2  
 36:30 Ant # 3  
 41:00 Ant # 4 leaves disc on disc 5:20  
 42:00 ~ 60 Pumps on disc  
 42:30 Ant # 5 carried disc  
 43:00 Ant # 5 left disc  
 44:00 ~ 55 Pumps on disc  
 45:00 Ant # 6  
 46:00 Ant # 6  
 48:10 Ant # 7 leaves disc #15 on disc  
 50:00 ~ 50 Pumps on disc  
 51:00 Ant # 7 carried disc  
 52:00 Ant # 7 leaves disc. Ant # 4  
 Ant # 4 carried disc for 4th time  
 Ant # 4 carried disc for 5th time  
 Ant # 4 carried disc for 6th time  
 Ant # 4 carried disc for 7th time  
 Ant # 4 carried disc for 8th time  
 Ant # 4 carried disc for 9th time  
 Ant # 4 carried disc for 10th time  
 Ant # 4 carried disc for 11th time  
 Ant # 4 carried disc for 12th time  
 Ant # 4 carried disc for 13th time  
 Ant # 4 carried disc for 14th time  
 Ant # 4 carried disc for 15th time  
 Ant # 4 carried disc for 16th time  
 Ant # 4 carried disc for 17th time  
 Ant # 4 carried disc for 18th time  
 Ant # 4 carried disc for 19th time  
 Ant # 4 carried disc for 20th time  
 Ant # 4 carried disc for 21st time  
 Ant # 4 carried disc for 22nd time  
 Ant # 4 carried disc for 23rd time  
 Ant # 4 carried disc for 24th time  
 Ant # 4 carried disc for 25th time  
 Ant # 4 carried disc for 26th time  
 Ant # 4 carried disc for 27th time  
 Ant # 4 carried disc for 28th time  
 Ant # 4 carried disc for 29th time  
 Ant # 4 carried disc for 30th time  
 Ant # 4 carried disc for 31st time  
 Ant # 4 carried disc for 32nd time  
 Ant # 4 carried disc for 33rd time  
 Ant # 4 carried disc for 34th time  
 Ant # 4 carried disc for 35th time  
 Ant # 4 carried disc for 36th time  
 Ant # 4 carried disc for 37th time  
 Ant # 4 carried disc for 38th time  
 Ant # 4 carried disc for 39th time  
 Ant # 4 carried disc for 40th time  
 Ant # 4 carried disc for 41st time  
 Ant # 4 carried disc for 42nd time  
 Ant # 4 carried disc for 43rd time  
 Ant # 4 carried disc for 44th time  
 Ant # 4 carried disc for 45th time  
 Ant # 4 carried disc for 46th time  
 Ant # 4 carried disc for 47th time  
 Ant # 4 carried disc for 48th time  
 Ant # 4 carried disc for 49th time  
 Ant # 4 carried disc for 50th time  
 Ant # 4 carried disc for 51st time  
 Ant # 4 carried disc for 52nd time  
 Ant # 4 carried disc for 53rd time  
 Ant # 4 carried disc for 54th time  
 Ant # 4 carried disc for 55th time  
 Ant # 4 carried disc for 56th time  
 Ant # 4 carried disc for 57th time  
 Ant # 4 carried disc for 58th time  
 Ant # 4 carried disc for 59th time  
 Ant # 4 carried disc for 60th time  
 Ant # 4 carried disc for 61st time  
 Ant # 4 carried disc for 62nd time  
 Ant # 4 carried disc for 63rd time  
 Ant # 4 carried disc for 64th time  
 Ant # 4 carried disc for 65th time  
 Ant # 4 carried disc for 66th time  
 Ant # 4 carried disc for 67th time  
 Ant # 4 carried disc for 68th time  
 Ant # 4 carried disc for 69th time  
 Ant # 4 carried disc for 70th time  
 Ant # 4 carried disc for 71st time  
 Ant # 4 carried disc for 72nd time  
 Ant # 4 carried disc for 73rd time  
 Ant # 4 carried disc for 74th time  
 Ant # 4 carried disc for 75th time  
 Ant # 4 carried disc for 76th time  
 Ant # 4 carried disc for 77th time  
 Ant # 4 carried disc for 78th time  
 Ant # 4 carried disc for 79th time  
 Ant # 4 carried disc for 80th time  
 Ant # 4 carried disc for 81st time  
 Ant # 4 carried disc for 82nd time  
 Ant # 4 carried disc for 83rd time  
 Ant # 4 carried disc for 84th time  
 Ant # 4 carried disc for 85th time  
 Ant # 4 carried disc for 86th time  
 Ant # 4 carried disc for 87th time  
 Ant # 4 carried disc for 88th time  
 Ant # 4 carried disc for 89th time  
 Ant # 4 carried disc for 90th time  
 Ant # 4 carried disc for 91st time  
 Ant # 4 carried disc for 92nd time  
 Ant # 4 carried disc for 93rd time  
 Ant # 4 carried disc for 94th time  
 Ant # 4 carried disc for 95th time  
 Ant # 4 carried disc for 96th time  
 Ant # 4 carried disc for 97th time  
 Ant # 4 carried disc for 98th time  
 Ant # 4 carried disc for 99th time  
 Ant # 4 carried disc for 100th time

6:00 ~ 60 Pumps on disc  
 6:30 Ant # 7  
 7:00 Ant # 7 left disc. 10:00  
 Ant # 7  
 piece of wood with ant was moving  
 we had to move it around  
 colony  
 67:00 ~ 55 Pumps on disc  
 68:00 Ant # 8  
 68:30 Ant # 11 carried disc  
 69:00 Ant # 11 left disc  
 Ant # 11 went to ground for wood  
 returned to colony  
 70:00 ~ 50 Pumps on disc  
 71:00 Ant # 12  
 72:00 Ant # 12 left disc  
 Ant # 12 went to ground for wood  
 returned to colony  
 73:00 ~ 50 Pumps on disc  
 74:00 Ant # 13  
 75:00 Ant # 13 left disc  
 Ant # 13 went to ground for wood  
 returned to colony  
 76:00 ~ 50 Pumps on disc  
 77:00 Ant # 14  
 78:00 Ant # 14 left disc  
 Ant # 14 went to ground for wood  
 returned to colony  
 79:00 ~ 45 Pumps on disc  
 80:00 Ant # 15  
 81:00 Ant # 15 left disc  
 Ant # 15 went to ground for wood  
 returned to colony  
 82:00 ~ 45 Pumps on disc  
 83:00 Ant # 16  
 84:00 Ant # 16 left disc  
 Ant # 16 went to ground for wood  
 returned to colony  
 85:00 ~ 45 Pumps on disc  
 86:00 Ant # 17  
 87:00 Ant # 17 left disc  
 Ant # 17 went to ground for wood  
 returned to colony  
 88:00 ~ 45 Pumps on disc  
 89:00 Ant # 18  
 90:00 Ant # 18 left disc  
 Ant # 18 went to ground for wood  
 returned to colony  
 91:00 ~ 45 Pumps on disc  
 92:00 Ant # 19  
 93:00 Ant # 19 left disc  
 Ant # 19 went to ground for wood  
 returned to colony  
 94:00 ~ 45 Pumps on disc  
 95:00 Ant # 20  
 96:00 Ant # 20 left disc  
 Ant # 20 went to ground for wood  
 returned to colony  
 97:00 ~ 45 Pumps on disc  
 98:00 Ant # 21  
 99:00 Ant # 21 left disc  
 Ant # 21 went to ground for wood  
 returned to colony  
 100:00 ~ 45 Pumps on disc  
 Ant # 22  
 Ant # 22 left disc  
 Ant # 22 went to ground for wood  
 returned to colony

80 00 - 45 Pups - 1 - 1

14 pups  
14 pups

7 June 79  
1330 Hrs

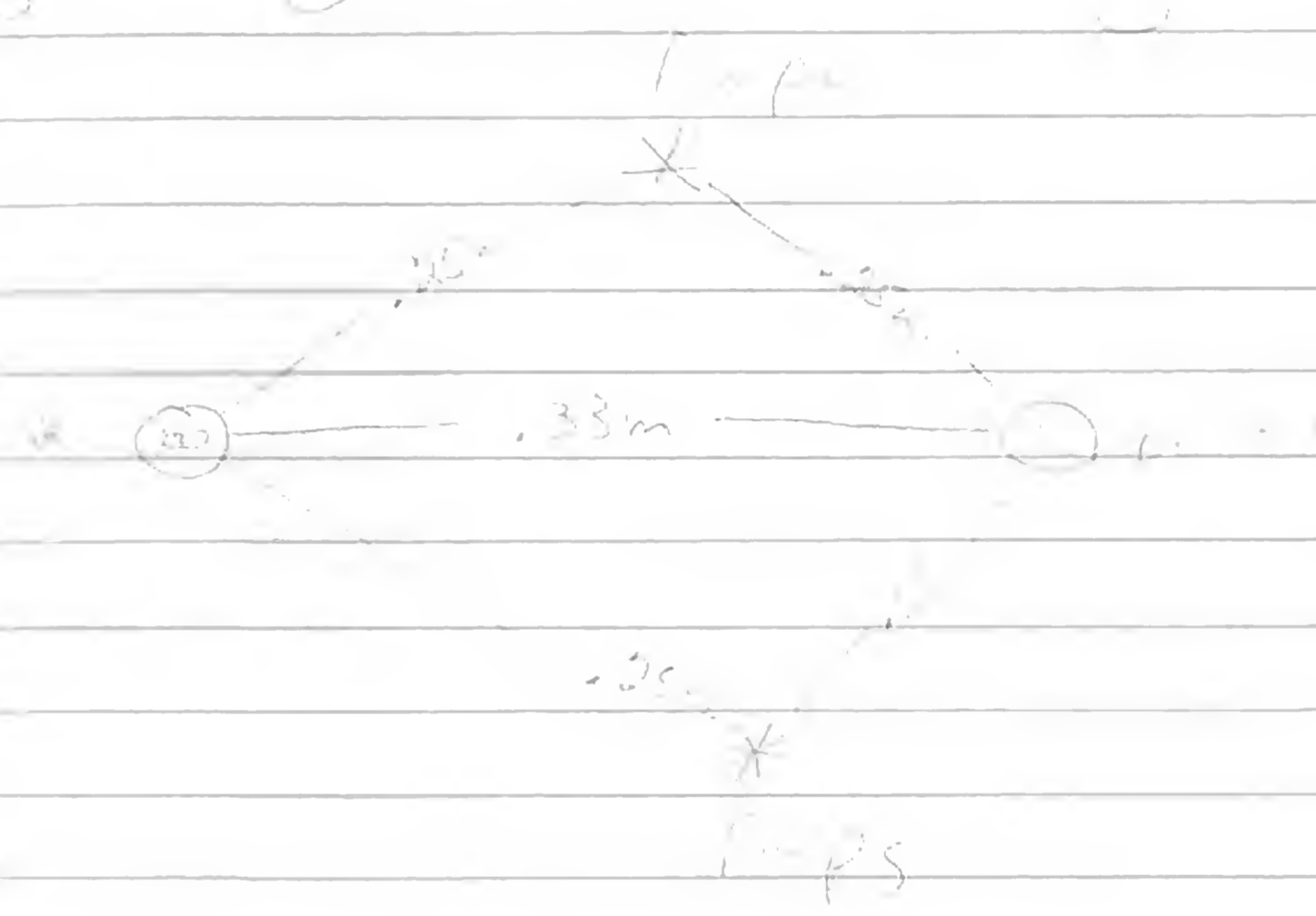
Sunny 100% 46

Point  
bar # 1

Point C  
bar # 2

2:00 1 Avidisottuk C  
3:00 0  
4:00 0

1 Pimp on C  
Pimp 2000 C



4:00 0  
5:00 0  
6:00 0  
1 Frisbe ottuk C

0  
0  
Pimp on bar  
1 Pimp left camp  
1 of or bar  
0

out

bait #1

bait #2

8:00 1 Ant. on disc  
 9:00 Ant. on disc  
 10:00 1 Ant. on disc 1 Prop.  
 10:20 Prop. on disc  
 10:30 Ant. on disc  
 11:00 3 Ant. on disc  
 11:10 1 Ant. on disc  
 11:50 Ant. on disc 1 Prop.  
 12:20 11 Ant. on disc  
 13:00 1 Prop. on disc  
 13:30 1 Prop. on disc  
 14:30 1 Prop. on disc 1 Ant. on disc  
 14:40 3 Prop. on disc  
 15:30 1 Prop. on disc 1 Ant. on disc  
 16:00 1 Ant. on disc 1 Prop.  
 17:00 3 Prop.  
 18:00 5 Prop.  
 18:30 1 Prop. on disc  
 19:00 1 Prop. on disc  
 19:30 1 Ant. on disc 8 Prop.  
 20:00 1 Ant. on disc 9 Prop.  
 20:30 10 Prop.  
 21:30 Prop. on disc  
 22:15 Prop. on disc

bait

2:00 1 Prop. on disc  
 2:30 1 Prop. on disc  
 3:00 1 Prop. on disc  
 3:30 1 Prop. on disc  
 4:00 1 Prop. on disc  
 4:30 1 Prop. on disc  
 5:00 1 Prop. on disc  
 5:30 1 Prop. on disc  
 6:00 1 Prop. on disc  
 6:30 1 Prop. on disc  
 7:00 1 Prop. on disc  
 7:30 1 Prop. on disc  
 8:00 1 Prop. on disc  
 8:30 1 Prop. on disc  
 9:00 1 Prop. on disc  
 9:30 1 Prop. on disc  
 10:00 1 Prop. on disc  
 10:30 1 Prop. on disc  
 11:00 1 Prop. on disc  
 11:30 1 Prop. on disc  
 12:00 1 Prop. on disc  
 12:30 1 Prop. on disc  
 13:00 1 Prop. on disc  
 13:30 1 Prop. on disc  
 14:00 1 Prop. on disc  
 14:30 1 Prop. on disc  
 15:00 1 Prop. on disc  
 15:30 1 Prop. on disc  
 16:00 1 Prop. on disc  
 16:30 1 Prop. on disc  
 17:00 1 Prop. on disc  
 17:30 1 Prop. on disc  
 18:00 1 Prop. on disc  
 18:30 1 Prop. on disc  
 19:00 1 Prop. on disc  
 19:30 1 Prop. on disc  
 20:00 1 Prop. on disc  
 20:30 1 Prop. on disc  
 21:00 1 Prop. on disc  
 21:30 1 Prop. on disc  
 22:00 1 Prop. on disc  
 22:30 1 Prop. on disc  
 23:00 1 Prop. on disc  
 23:30 1 Prop. on disc  
 24:00 1 Prop. on disc  
 24:30 1 Prop. on disc  
 25:00 1 Prop. on disc  
 25:30 1 Prop. on disc  
 26:00 1 Prop. on disc  
 26:30 1 Prop. on disc  
 27:00 1 Prop. on disc  
 27:30 1 Prop. on disc  
 28:00 1 Prop. on disc  
 28:30 1 Prop. on disc  
 29:00 1 Prop. on disc  
 29:30 1 Prop. on disc  
 30:00 1 Prop. on disc  
 30:30 1 Prop. on disc  
 31:00 1 Prop. on disc  
 31:30 1 Prop. on disc  
 32:00 1 Prop. on disc  
 32:30 1 Prop. on disc  
 33:00 1 Prop. on disc  
 33:30 1 Prop. on disc  
 34:00 1 Prop. on disc  
 34:30 1 Prop. on disc  
 35:00 1 Prop. on disc  
 35:30 1 Prop. on disc  
 36:00 1 Prop. on disc  
 36:30 1 Prop. on disc  
 37:00 1 Prop. on disc  
 37:30 1 Prop. on disc  
 38:00 1 Prop. on disc  
 38:30 1 Prop. on disc  
 39:00 1 Prop. on disc  
 39:30 1 Prop. on disc  
 40:00 1 Prop. on disc  
 40:30 1 Prop. on disc  
 41:00 1 Prop. on disc  
 41:30 1 Prop. on disc  
 42:00 1 Prop. on disc  
 42:30 1 Prop. on disc  
 43:00 1 Prop. on disc  
 43:30 1 Prop. on disc  
 44:00 1 Prop. on disc  
 44:30 1 Prop. on disc  
 45:00 1 Prop. on disc  
 45:30 1 Prop. on disc  
 46:00 1 Prop. on disc  
 46:30 1 Prop. on disc  
 47:00 1 Prop. on disc  
 47:30 1 Prop. on disc  
 48:00 1 Prop. on disc  
 48:30 1 Prop. on disc  
 49:00 1 Prop. on disc  
 49:30 1 Prop. on disc  
 50:00 1 Prop. on disc  
 50:30 1 Prop. on disc  
 51:00 1 Prop. on disc  
 51:30 1 Prop. on disc  
 52:00 1 Prop. on disc  
 52:30 1 Prop. on disc  
 53:00 1 Prop. on disc  
 53:30 1 Prop. on disc  
 54:00 1 Prop. on disc  
 54:30 1 Prop. on disc  
 55:00 1 Prop. on disc  
 55:30 1 Prop. on disc  
 56:00 1 Prop. on disc  
 56:30 1 Prop. on disc  
 57:00 1 Prop. on disc  
 57:30 1 Prop. on disc  
 58:00 1 Prop. on disc  
 58:30 1 Prop. on disc  
 59:00 1 Prop. on disc  
 59:30 1 Prop. on disc  
 60:00 1 Prop. on disc

40:00 Puffin C  
43:00 5500 Puffin  
44:00 Anad. Lark  
45:00 Puffin C  
46:00 Anad. Lark  
47:00 Puffin C  
48:00 Puffin C  
49:00 Puffin C  
50:00 Puffin C  
51:00 Anad. Lark  
52:00 Puffin C  
53:00 Puffin C  
54:00 Puffin C  
55:00 Puffin C  
56:00 Puffin C  
57:00 4 Puffin

back # 8  
back # 1  
Ant # 4  
Ant # 2  
Ant # 1  
Ant # 3  
Ant # 4  
Ant # 5  
Ant # 6  
Ant # 7  
Ant # 8  
Ant # 9  
Ant # 10  
Ant # 11  
Ant # 12  
Ant # 13  
Ant # 14  
Ant # 15  
Ant # 16  
Ant # 17  
Ant # 18  
Ant # 19  
Ant # 20  
Ant # 21  
Ant # 22  
Ant # 23  
Ant # 24  
Ant # 25  
Ant # 26  
Ant # 27  
Ant # 28  
Ant # 29  
Ant # 30  
Ant # 31  
Ant # 32  
Ant # 33  
Ant # 34  
Ant # 35  
Ant # 36  
Ant # 37  
Ant # 38  
Ant # 39  
Ant # 40  
Ant # 41  
Ant # 42  
Ant # 43  
Ant # 44  
Ant # 45  
Ant # 46  
Ant # 47  
Ant # 48  
Ant # 49  
Ant # 50  
Ant # 51  
Ant # 52  
Ant # 53  
Ant # 54  
Ant # 55  
Ant # 56  
Ant # 57  
Ant # 58  
Ant # 59  
Ant # 60  
Ant # 61  
Ant # 62  
Ant # 63  
Ant # 64  
Ant # 65  
Ant # 66  
Ant # 67  
Ant # 68  
Ant # 69  
Ant # 70  
Ant # 71  
Ant # 72  
Ant # 73  
Ant # 74  
Ant # 75  
Ant # 76  
Ant # 77  
Ant # 78  
Ant # 79  
Ant # 80  
Ant # 81  
Ant # 82  
Ant # 83  
Ant # 84  
Ant # 85  
Ant # 86  
Ant # 87  
Ant # 88  
Ant # 89  
Ant # 90  
Ant # 91  
Ant # 92  
Ant # 93  
Ant # 94  
Ant # 95  
Ant # 96  
Ant # 97  
Ant # 98  
Ant # 99  
Ant # 100

July 12

7300 ~ 60 Puffs  
7300 A2 + ...  
clouds, also with ...

7500 ~ 55 Puffs  
7500 A2 ...  
the ...

7900 ~ 50 Puffs  
8200 ...  
piece of wood ...

8400 ~ 45 Puffs  
8500 A2 ...  
3000

LAD

7 June 79  
North Beach

1500 hrs

...

TA 200  
TG 220

flies in face Bar + Pink



...

...

...

...

1 fly on C

flies leaves

1 fly leaves C

35

1 fly on C

flies leaves C

...

2 flies



12:00 Pump down C 2 Cks. I replaced 1 on disc  
 13:00 1 2 Cks.  
 14:00 0 3 Cks. Pump not working yet  
 15:00 Pump 4 Cks. 10k on disc  
 16:00 0 5 Cks. Pump not working  
 17:00 3 Pumps  
 18:00 4 Pumps  
 19:00 3 Pumps  
 20:00 2 Pumps  
 21:00 3 Cks. removed 5 Pumps Cycled off  
 22:00 4 Pumps on disc 6 Cks. for towards disc  
 23:00 5 Pumps on disc 7 Cks.  
 24:00 6 Pumps on disc 8 Cks.  
 25:00 7 Pumps on disc 9 Cks.  
 26:00 8 Pumps on disc 10 Cks.  
 27:00 9 Pumps on disc 11 Cks.  
 28:00 10 Pumps on disc 12 Cks.  
 29:00 11 Pumps on disc 13 Cks.  
 30:00 Approx 1/2 C's gone 6-7 Cks on C

12:00 ~10-1 Pumps 3 Cks. on disc  
 13:00 3+ pumps = 6 Cks.  
 14:00 11 Pumps on disc 4 Cks. on disc  
 15:00 10 Pumps on disc 5 Cks. on disc  
 16:00 11 Pumps on disc 6 Cks. on disc  
 17:00 12 Pumps on disc 7 Cks. on disc  
 18:00 13 Pumps on disc 8 Cks. on disc  
 19:00 14 Pumps on disc 9 Cks. on disc  
 20:00 15 Pumps on disc 10 Cks. on disc  
 21:00 16 Pumps on disc 11 Cks. on disc  
 22:00 17 Pumps on disc 12 Cks. on disc  
 23:00 18 Pumps on disc 13 Cks. on disc  
 24:00 19 Pumps on disc 14 Cks. on disc  
 25:00 20 Pumps on disc 15 Cks. on disc  
 26:00 21 Pumps on disc 16 Cks. on disc  
 27:00 22 Pumps on disc 17 Cks. on disc  
 28:00 23 Pumps on disc 18 Cks. on disc  
 29:00 24 Pumps on disc 19 Cks. on disc  
 30:00 25 Pumps on disc 20 Cks. on disc

END

bait #2

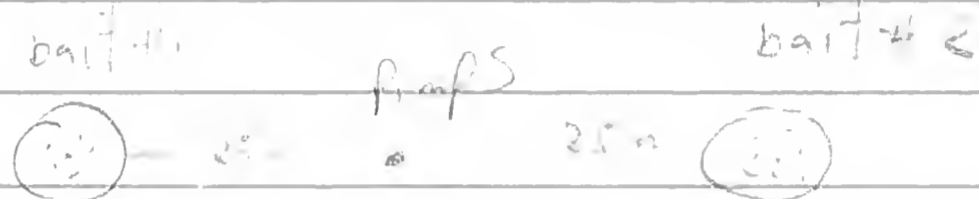
40:00 head has a small amount of down  
 41:00 4 spines on body. One claw  
 is covering it while other  
 one is pointing up. Spines are  
 42:00 5 spines on body  
 43:00 body has 3 spines from disc  
 45:00 doublet shown above

NO

20 June 79  
 North Branch  
 1030 hrs

sunny & calm  
 low humidity  
 TA 22.0  
 TG 21.0

2 50 pinhead cricket baits  
 each 1/4 m from a pimpl colony  
 opening



bait #2 all Pimpls removed

	bait #1	bait #2
11:15	1 Pimp on bait	0
11:20	Pimp takes C	0
11:25	Pimp on disc	0
11:30	Pimp takes C	0
11:35	0	1 Pimp removed
11:40	Pimp on disc	0
11:45	Pimp takes C	0
11:50	1 Pimp on disc, Ant	0
11:55	1 Pimp on disc	0
12:00	Head and legs on disc	0
12:05	2 Pimps on disc	1 Pimp removed
12:10	1 Pimp takes C	1 Pimp removed
12:15	3 Pimps on disc	0
12:20	2 Pimps take C	0
12:25	3 Pimps on disc	0
12:30	1 Pimp takes C	2 Pimps removed

bait #1

4:50 6 Pimps on disc  
 5:00 31 Cucklets remain  
 5:20 5 Pimps on disc  
 ~20 nearby  
 6:00 3 Pimps takes CCC  
 6:20 8 Pimps on disc  
 6:40 ~15 Pimps on disc  
 7:00 less than 20 Cs remain  
 7:30 ~15 Pimps on disc  
 ~40 nearby  
 7:45 8 Cs remain  
 8:00 5 Cs remain  
 8:10 3 Cs remain  
 9:00 0 Cucklets left  
 ~10 Pimps running  
 around on disc

END

9:15

10:00 still ~15 Pimps on disc

13:00

13:25

14:10

14:30

15:00

15:20

~20 Pimps on disc

bait #2

1 Ckr on disc  
 chewing CS  
 1 Pimp removed  
 ckr leaves disc  
 1 Pimp on disc  
 Pimp takes C  
 2 Pimps remain  
 0  
 0  
 1 Pimp removed  
 2 Ants on disc  
 1 Ant takes C  
 1 Ant still on  
 disc

Ants take C

1 Pimp removed

0

1 Pimp on disc

Pimp takes C

1 Pimp removed

1 Ants grabs C

0

1 Pimp removed

bait #2 cont

16:00 1 Ant on disc

16:10 Ants takes C

17:20 1 Pimp removed

18:20 1 Ant on disc

Ants leaves with C

1 Pimp removed

1 Pimp removed

1 Ant takes C

1 Pimp removed

1 Pimp on disc

1 Pimp takes C

1 Pimp removed

0

1 Pimp removed

1 Ant on disc

1 Ant takes C

Ants on disc

1 Ant on disc

Ants on disc

Ants on disc

35 15 Ants leaves with 3 C

37:00 ckr on disc

38:20 1 Pimp removed

39:00 ckr leaves disc

41:40 Ants takes C leaves

44:00 ckr on disc

49:30 Pimp runs on disc & plays etc

bait # 2 bait

44:35 Pump removed - clew has left disc

46:00 Pump removed

48:00 Andis on disc picks up

48:15 2 Cs and leaves at 48:15

50:00 1 pump removed

52:00 31 Cs remain

53:00 2 pumps removed

54:30 1 Andis on disc

55:00 Andis leaves with C

56:00 Andis on top of disc

56:15 1 pump removed

57:30 1 pump removed

57:50 1 Andis takes C

END

28 Cs remain

~25 pumps released

20 June 79

North Branch

1400 hrs

TA 24.5

TG 23.5

sunny & breezy low h<sub>2</sub>O

2 baits each with 50 pumps inside each.

bait # 2

pumps

bait # 4

— 25m

All pumps removed from bait # 2

bait # 3

bait # 4

1:10 Andis grabbed 1 C

0

1:20 1 Pump removed

2

3:00 0

Pump takes 1 C

3:15 Andis (with gaster

tucked under) grabbed 1 C

4:30 0

1 Pump on disc

~~5:00~~

1 Low on disc

5:00 0

Pump takes C

5:45 Andis takes C

6:20 1 Pump removed

1 Low

7:15 0

1 Pump on disc

8:20 0

Pump takes C

8:30 Andis takes C

1 Low

9:20 0

Pump takes C

10:10 0

1 Pump & 1 Andis

~~11:00~~

solely by side

~~11:30~~

Andis takes C

~~12:00~~

bart # 3

12:00 0

15:00 1 Linn

15:20

16:00 0

16:30 C

16:40 2 And on 1

16:50 2 Andis take 2C

17:00 0

17:30 0

19:30 1 Linn

20:00 0

more paps next  
towards disc

20:15 0

20:55 0

21:20 0

21:45 2

21:55 1

22:30 1 Linn

22:55 1

24:20 0

25:00

25:15 1 Andis takes C

bart # 4

Pump takes 2C

1 Pump on disc

Pump takes C

Pump takes C

Pump takes C

1 Pump on disc

2 Pump 1 Andis on 1

2 Pump 1 Andis take C

2 Pump 1 Andis take C

2 Pump 1 Andis take C

2 Pump 1 Andis take C

2 Pump 1 Andis take C

2 Pump 1 Andis take C

2 Pump 1 Andis take C

2 Pump 1 Andis take C

2 Pump 1 Andis take C

2 Pump 1 Andis take C

2 Pump 1 Andis take C

2 Pump 1 Andis take C

2 Pump 1 Andis take C

2 Pump 1 Andis take C

2 Pump 1 Andis take C

2 Pump 1 Andis take C

2 Pump 1 Andis take C

2 Pump 1 Andis take C

2 Pump 1 Andis take C

2 Pump 1 Andis take C

bart # 3

25:30 1 Pump on disc

27:00 0

27:30 0

29:30 0

29:45 1 Andis takes C

30:00 1 Andis enters disc

30:30 Andis leaves with 2C

30:50 Andis enters C 1 Linn

31:00 1 Linn

31:20 1 Linn

35:00 1 Andis on walt with C

39:00 1 Andis on disc

39:30 Andis grabs 1 Linn 3 C

39:50 Andis leaves with 4C

40:50 Andis on walt with C

bart # 4

4 Pumps take C

now 7 Pumps on disc

5 more C's remain

10 Pumps on disc

15 Pumps on disc

5 C's remain

All C's gone

15 Pumps on disc

15 Pumps on disc

END

30:00  
Bart # 4 has 20  
Pumps 1 dead Andis  
on disc

part # 5

43:30 1 Pimp on disc  
 43:40 1 Andis on disc  
 43:50 Andis on disc  
 44:05 Pimp on disc  
 48:20 1 Pimp on disc  
 49:45 Andis on disc  
 50:30 30 c- remain  
 53:00 1 Andis on disc  
 55:00 1 Pimp on disc  
 55:10 1 Andis on disc  
 55:25 Andis on disc  
 57:00 1 Leave on disc  
 60:00 0

At 60 stop remaining Pimps

63:00 1 Andis on disc  
 70:00 1 Leave on disc  
 73:50 Leave leaves disc  
 77:00 1 Pimp on disc  
 77:00 Pimp on disc  
 80:15 1 Andis on disc  
 84:00 1 Pimp on disc  
 84:15 1 Pimp on disc  
 85:15 Andis on disc  
 89:10 2 Pimps on disc  
 93:15 1 Pimp on disc

part # 3

89:20 1 Pimp on disc  
 90:00 0  
 92:00 1 Andis on disc  
 92:15 1 Pimp on disc  
 92:30 Pimp on disc  
 93:00 2 Pimps on disc  
 95:05 1 Pimp on disc  
 93:15 other Pimp on disc  
 9-00 3 Pimps on disc  
 10-00 10 c- remain  
 94:30 2 Pimps on disc  
 95:00 12 c- remain  
 95:05 4 Pimps on disc  
 95:15 1 Pimp on disc  
 95:20 1 Pimp on disc  
 95:30 1 Pimp on disc  
 95:30 5 Pimps on disc  
 96:00 2 Pimps on disc  
 96:45 7 Pimps on disc  
 97:30 3 Pimps on disc  
 97:50 50 c- remain  
 98:00 All contacts gone  
 98:00 10 Pimps on disc

END

20 June 79  
North Branch

TA 25.0

Tg 24.0

So far warm low humidity

2 baits each with 50 pinhead Cs



Remove all pinps from bait #5

bait #5

bait #6

1:00 1 Pinp removed



1:15 1 Pinp removed



1:30 1 Pinp removed

1:45 2

1 Ants on it

2:00 2

Ants takes C

2:15 2

1 Pinp on disc

2:30 2

1 Pinp on disc

2:45 Ants on it



3:00 2

1 Pinp on disc

3:15 2

Pinp dragging waste around

Pinp leaves disc

3:30 1 Pinp removed



3:45 1 Pinp takes C



4:00 0

1 Pinp on disc

4:15 0

1 Pinp on disc

Time	bait #	Observations
14:00	0	2 Pimp on disc
14:10	0	1 Pimp takes C
14:15	0	2 Pimp on disc
16:20	1 Pimp on disc	1 Pimp on disc
16:25	1 Pimp takes C	
16:30	0	1 Pimp takes C
17:00	0	1 Pimp takes C
18:00	0	2 Pimp on disc
18:15	0	Both Pimp on disc
19:00	1 Pimp measured	3 Pimp on disc
19:30	0	2 Pimp on disc
20:00	0	11 Pimp on disc
20:30	1 Ant on disc	Now - 30 sec
		- 20 Pimp on disc
		4 Pimp with - 5
21:00	0	3 Pimp on disc
21:30	0	18 Pimp on disc
22:30	1 Ant on disc	- 15 Pimp remain
		15 Pimp on disc

Time	bait #	Observations
23:00	0	15 Pimp on disc
		small number of Cs
24:15	0	All Cs gone
		12 Pimp on disc
		<u>END</u>
		1 Pimp measured
31:00	1 Ant on disc	
34:00	1 Ant on disc	
44:00	1 Ant on disc	
53:00	1 Pimp measured	
54:10	1 Pimp on disc	
58:00	1 Ant on disc	
		1 Ant on disc
		1 Ant on disc
57:00	1 Ant on disc	
58:00	0	
		<u>END</u>



5 July 79  
North Branch

1330 HRS

TA 13.5  
13.5  
13.5  
13.5  
13.5

very foggy  
fuzzy

2 baits each with 50 firebeetles  
0.5 m from a Pin. release point  
All Pimp removed from bait #1

bait #1

bait #2

8:15	1 Arctis on disc	0
8:20	Arctis takes C	
8:15	0	1 Pimp on disc
		Pimp goes to small diff. - CS
8:45	0	Pimp leaves disc
11:20	Arctis takes C	0
11:45	1 Pimp removed	0
12:30	0	1 Pimp on disc
12:35	0	Pimp takes C
24:00	0	1 Pimp on disc
24:40	0	Pimp takes C
27:00	0 (1 Arctis taken)	0
27:40	Arctis on disc	0
28:00	Arctis takes C	0
33:00	0	1 Arctis on disc
33:25	0	Arctis takes C
35:00	0	1 Arctis on disc
35:30	0	Arctis takes C

continued



bait #1

bait #2

39:10 1 Pimp removed

44:30 1 Andis takes C

44:50 0

49:00 0

49:10 2

53:00 1 Andis on disc

53:15 Andis takes C

58:00 1 Pimp removed

58:10 1 Andis on disc

59:35 1 Pimp

60:00 1 Andis on disc

48 C's for now!

45 C's for now

Pinps not foraging very far from colony

Other species

slowly

sebum / do be

Also ground very wet

END

5 July 79

Harbor Porpoise

1500 HRS

Ta 12.5  
Ts 11.7

2 Baitc each with 50 pinps @ .25m from no pump tubes open

No pinps removed

25m 25m

bait #1

bait #2

39:50 1 Pimp on disc

40:10 1 Pimp on disc

40:30 1 Pimp on disc

40:50 1 Pimp on disc

41:10 0 Pimp on disc

41:30 0 Pimp on disc

41:50 1 Pimp on disc

42:10 1 Andis on disc

42:30 2 Pimps on disc

42:50 1 Pimp on disc

43:10 1 Pimp on disc

43:30 2 Pimps on disc

43:50 1 Pimp on disc

44:10 1 Pimp on disc

44:30 1 Pimp on disc

44:50 1 Pimp on disc

45:10 3 Pimps on disc

cont ↓

Daily ... bait #4

7:15 4 Pimps ...  
7:30 5 Pimps ...  
8:00 2 Pimps take CS  
6 Pimps on disc.  
\* AT 5:00 AM  
Start ...

9:20 15 Pimps removed  
10:00 38 CS remain 3 Pimps ...  
11:00 0 41 CS ...  
11:45 2 Pimps removed 2 Pimps ...  
12:00 0 2 Pimps take  
Andis on disc  
12:30 0 Andis grabs C  
3 Pimps on disc  
13:00 0 35 CS remain  
13:30 1 Pimp removed 2 Pimps take C  
14:00 0 5 Pimps on disc  
20 CS remain  
14:02 Andis takes C 6 Pimps on disc  
14:30 0 Now 9 Pimps ...  
16 remain

bait #3 bait #4

15:00 3 Pimps removed 23 CS remain  
15:30 0 ~15 Pimps on disc  
disc one Pimp ...  
3 others hard ...  
Pimps in area  
16:00 1 Pimp removed 19 CS remain  
15 Pimps on disc  
16:45 Andis on disc 14 CS remain  
17:00 0 5 Pimps take CS  
20 Pimps on disc  
18:00 0 3 more ...  
18:30 11 Pimps ...  
14 Pimps left  
Andis gone  
END  
19:00 Andis on disc  
20:00 Andis takes C  
21:00 1 Pimp removed  
22:00 2 Pimps ...  
23:00 Andis takes C  
11 Pimps removed  
25:00 2 Pimps removed  
26:00 1 Andis takes C

bait #3

40:00 2 Pimps recovered  
1 Ant on disc  
41:05 Ants taken  
46:00 Most Pimps now recovered  
leaving along way to side  
leaving bait #5, St 3-6

51:00 Ants taken 2  
54:45 1 Pimp recovered  
60:00 O

ENF

Copied over from SA June 79 TA 240  
North Branch 1000 HRS T3 225  
sunny, hot & humid

2 baits each with 20 pimps  
.25m from Ants colony



	bait #1	bait #2
7:15	1 Ant on disc	⊙
7:35	Ants taken	⊙
	1 Ant on disc	⊙
	Ants on disc	⊙
	Ant on disc	⊙
	Ant on disc	⊙
8:35	Ant on disc	1 Ant on disc
	Ant on disc	"
	Ant on disc	Ant on disc
	Ant on disc	Ant on disc
9:50	Ants on disc	⊙
6:05	Ants taken	⊙
6:30	Ants taken	⊙
6:45	Ants taken	⊙
6:55	Ant on disc	⊙
	(3 Ants on disc)	
7:20	Ant on disc	⊙
	Ant on disc	⊙
	Ant on disc	⊙

7:20 Ants taken 2  
cont

part 1

part 2

part 3 part

7:15 One Antis off with C  
 2 Antis now on disc  
 7:30 Both Antis take C  
 7:45 One Antis 9  
 7:50 1 Antis on off with C 1 Ant  
 8:05 1 Antis on disc Ant  
 8:10 Antis takes C same  
 to team on disc  
 8:20 1 Antis takes C  
 2 Antis on disc  
 8:40 Both Antis now on disc  
 now 1 Antis on disc  
 9:00 2 Antis on disc  
 now 3 Antis on disc  
 9:10 1 Antis takes C 1 Ant  
 4 Antis on disc  
 9:30 All Cs gone  
 4 Antis on disc  
 10:00 3 Antis on disc  
 2 Antis on disc

All Cs gone

END

13:05 1 Ant on disc  
 Ant goes from disc  
 (copies 6)

14:15 Ant takes C  
 2 Ant on disc  
 14:30 Ant takes C  
 14:50 Ants on off with C  
 15:00 3 Ants on disc  
 15:20 1 Ant enters disc  
 15:30 1 Ant remains  
 15:40 1 Ant on disc  
 16:00 Antis mouthing small disc  
 16:10 Ants on disc  
 16:30 SF. Ants mouthing disc from  
 galaxy  
 16:40 1 Ant on disc  
 17:00 Now 2 Ants on disc  
 17:10 Antis fighting  
 17:20 Ants spring from back disc  
 - one jumps to other side  
 side of disc away from galaxy  
 Ants that we chased  
 return to disc  
 Ants on disc  
 Ants on disc  
 17:30 Ants on disc  
 17:40 5 Ants on disc  
 1 Ants takes C  
 17:50 3 Ants on disc  
 18:00 last C removed 3 Ants on disc

END

29 June 79  
North Branch  
sunny hot

1330 HRS

TA 26  
Tb 24.0

2 birds seen with 50 ...  
... ..

bait #5

○ - 1250

All traps removed

3

bait #4

3

4:00

1 trap on disc

4:15

Pump off ...

7:45

○

1 And's take

10:15

○

1 Pump removed

11:30

1 And's on disc

11:45

And's take

14:45

○

1 trap on

18:00

1 trap on disc

18:45

1 trap on disc

23:30

○

1 And's on disc

23:45

○

And's take

25:20

1 trap on disc

25:45

1 trap on disc

34:00

○

1 And's take

34:15

○

1 trap on disc

37:00

○

1 And's on disc

37:15

○

And's take

next ↓

bait #4

bait #3

39:00

○

1 Pump removed

45:30

1 trap on disc

○

46:15

1 trap on disc

○

46:30

○

1 And's take

46:45

1 And's on disc

○

46:55

And's take

○

47:05

○

1 trap on disc

47:15

1 trap on disc

○

47:30

1 trap on disc

○

47:45

1 trap on disc

○

47:55

1 trap on disc

○

48:05

○

And's take

48:15

○

And's take

48:30

1 trap on disc

○

48:45

○

○

48:55

○

○

49:05

○

○

49:15

○

○

49:25

○

○

49:35

○

○

49:45

○

○

49:55

○

○

50:05

○

○

50:15

○

○

50:25

○

○

50:35

○

○

50:45

○

○

50:55

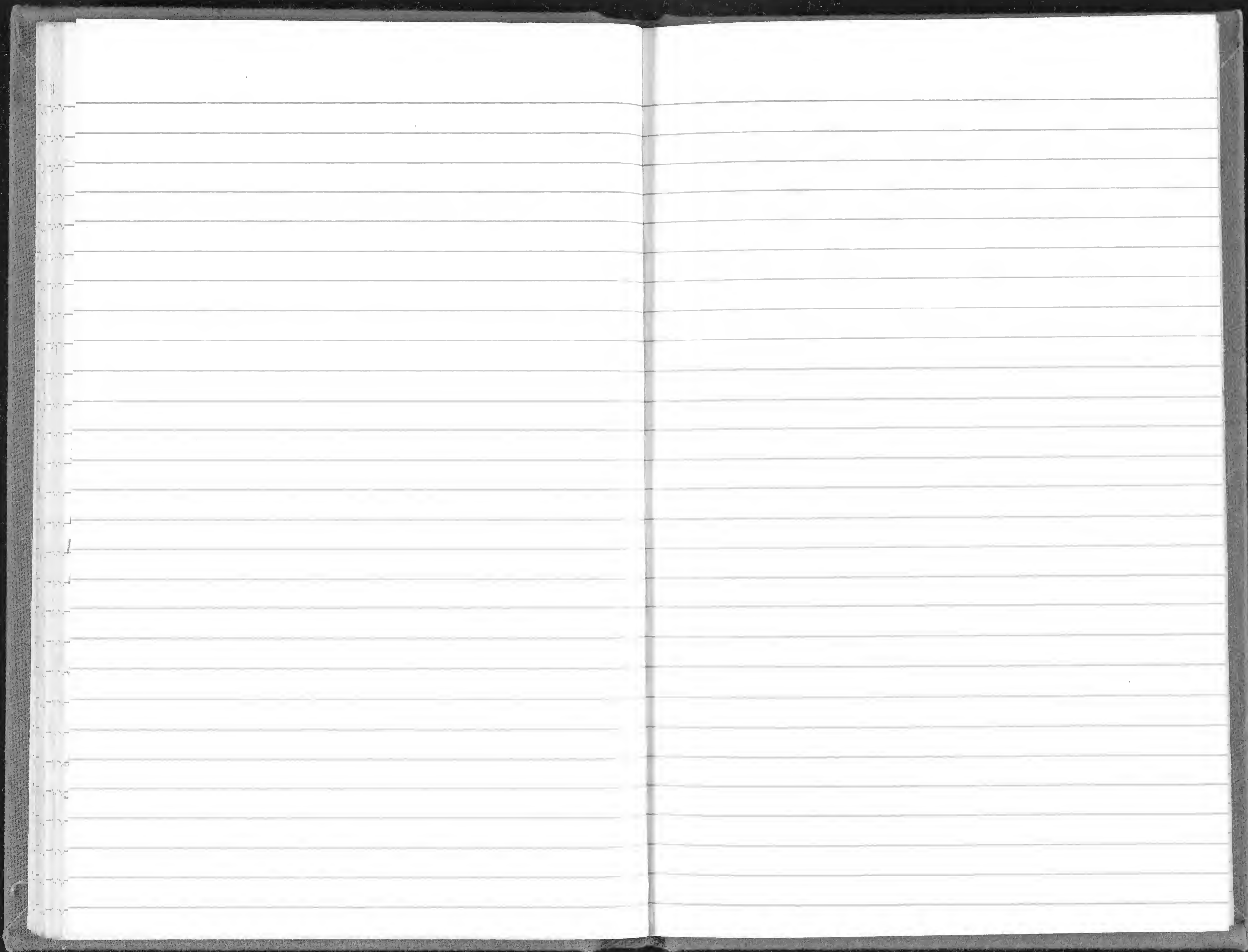
○

○

51:05

○

○



ECB

1

J.M.

RP

B. v B.

17

X 11

17



ECB

J. 20

P. 12

B. x B.

J. 10

W.

J. 10

