9 July. Did regular 1½ hr. baiting

Transsects on TR #1 and TR #7.
Also ran arboreal baits and did twig census.

TR #1 - Ed had broken ~200 twigs here last week - no colonies

Art. baits: 1 Pimparia, 3 L. alcanae,
6 P. melanderi, 1 F. subsericea.

Formica, Paratrechina, & Prenolepis had only 1 ant
each; Lasius had 3, 5, and 12 ants/multiplex.

Terrestrial baits - activity high - except for A. rufa stream, (0 and 2m) all baits occupied except 35T.

Commensal sp. - A. rufa, then P. melanderi. However, Pimparia still present - 5 baits with 4, 3, 4, 5, 75 ants/multiplex. Tuna had all 3 G. multiplex baits.

Other spp. - L. ali (2 baits), A. flavus, E. pal, E. sub.

TR #7 - broke 100 twigs - found 7 colonies - 6 were L. alcanae (2 of them parasitized by Harpagoxenus antennatus); 1 C. sobbarbatus

Most colonies in sun twigs 50' off ground.
July 29 - amid

Archer bait - 18 of 40 baits occupied, all but 1 by only 1 sp.
- *L. curvispinosus* - 4 occ (1w. C. neathouse)
- *L. alticrus* - 3 occ.
- *P. nelanderi* - 2 occ.
- *C. subkochi* - 2 occ.
- *T. subsenie* - 2 occ.
- *C. neacchicus* - 1 occ. (ov. *L. curvispinosus*)

*rest of both sp. inside dead snag 
- 6.5' above ground, within few inches of bait.

ground baits - v. high activity level - 38/40 baits occupied.
- *A. ura*, *P. nuki*, *C. h. illa* common.
- Other spp - *E. subsenie*, *M. burnsidei*.
- *A. virmanesensia*. No *P. inari* active.
10 June - Put out 3 baits in triangular arrangement 6" apart.

One w. 20 pinhead cc, one w. lg. ad. Cricket; 1 w. syrup (all on disc w. hidden basket)

1g Cricket

Pinhead

0:23 Pump on & off disc w/o contacts but

2:25 Audible on disc finds bait 1st pump away

2:43 Audible off W/Ph

5:04 Pumps audible on disc - doesn't find but and leaves

10:08 2 Pumps on disc doesn't find but

11:20 Pump 1V

12:00 1 Pump, 1 Pump on disc - 1V equals

12:40 Pump in bait - immediately finds cricket & 1V

1g Cricket

0:23 Pumps on & off

1:50 Leaves off disc

2:55" Pumps on disc - finds cricket

3:24 Finds on disc (Pump still audible cricket)

4:05 Finds finds cricket

4:20 Leaves on disc

And Pumps unequally to drag cricket - cant' move it

6:35 Pumps on & off disc

7:10 Finds 1V

7:25 2 Pumps on disc - finds but (also audible)

8:30 Finds 1V

9:10 Pumps on disc

10:35 2 Pumps on disc - one pump at 0, other circles disc now 1 Pump, 1 Pump, 2nd and

13:50" now 2 Pumps, 1 Pump, 1 V.

Pumps chase & break, 1V drives away shortly
17:15 1 Pimp and disc
Quickly fixed co

17:30 1 Pimp (1 vs)

18:20 O

18:30 3 Pimp & Paul

19:30 O

20:30 1 Pimp
Garden off (c)

21:30 1 Pimp
Struggling w/c

22:30 1 Pimp (same one)
8 Pimp, 1 And

23:30 " (same)
8 Pimp, 1 And

24:30 1 And, 2 Pimp
(1 same, 1 diff)
8 Pimp, 1 Pimp

15:35 Aid order - circa 110

15:55 1 vs

17:00 1 q Airdit
2 Pimp, 2 And, 1 Pimp

17:30 3 Pimp, 1 And (putting bits of debris on syrup)

18:30 6 Pimp & Pimp

19:30 6 Pimp

21:30 3 Pimp

23:30 5 Pimp

4 Pimp, 1 And - can post debris to syrup

2 Pimp

1 And, 4 Pimp

2 more Pimp - now 4

And gets c/ Pimp
Now struggling
<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>26:10</td>
<td>1 Panel, 1 Pimp (same one)</td>
</tr>
<tr>
<td>26:20</td>
<td>A red-15 med. 6 bbls C</td>
</tr>
<tr>
<td>26:50</td>
<td>1 Pimp (same 1), Panel</td>
</tr>
<tr>
<td>27:30</td>
<td>1 Panel (same)</td>
</tr>
<tr>
<td>28:30</td>
<td>1 Panel (on deck, not at CC)</td>
</tr>
<tr>
<td>29:30</td>
<td>2 Pimp</td>
</tr>
<tr>
<td>30:30</td>
<td>0</td>
</tr>
<tr>
<td>31:30</td>
<td>1 Panel - at CC</td>
</tr>
<tr>
<td>32:30</td>
<td>0</td>
</tr>
<tr>
<td>33:30</td>
<td>0</td>
</tr>
<tr>
<td>34:30</td>
<td>5 Panel</td>
</tr>
<tr>
<td>36:30</td>
<td>2 Pimp - 1 carrie off C</td>
</tr>
<tr>
<td>37:30</td>
<td>1 And, 2 Pimp, 23 Pimp off C</td>
</tr>
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</tbody>
</table>

**Summary**

- 7 Pimp
- 8 Pimp, 1 Panel
- 10 Pimp, 1 Panel
- 10 Pimp, 1 And, 1 Panel

*Drawing debris out of pomp*
<table>
<thead>
<tr>
<th>Pinheads</th>
<th>14: Cricket</th>
</tr>
</thead>
</table>

**38:30**
1 Pimp

**39:30**
2 Pimp, 1 A red

**41:30**
2 Pimp, 1 A red

**41:30**
1 Pimp, 1 A red

**42:30**
25 Pimp

**44:30**
1 Pimp, 1 A red

**46:30**
25 Pimp, 3 A red

**48:30**
2 Pimp, 1 A red

**50:30**
3 Pimp, 1 A red

**52:30**
2 Pimp

**54:30**
1 Pimp

**56:30**
30 Pimp, 1 A red

---

**Symp**

**10**
1 Pimp, 1 A red

**12**
2 Pimp, 1 A red

**11**
Pimp

**14**
Pimp

**16**
20 Pimp, 1 A red

**18**
20 Pimp, 1 A red

**20**
Pimp, 3 A red

**22**
Pimp, 4 A red

**24**
Pimp, 3 A red

**26**
Pimp, 3 A red

**28**
Pimp, 3 A red
Pinned
56:20 1 Pump, 2 Panel
pump (right.
58:30 1 Panel
28 Pump, 1 Amud
60:30
(After quickly arrive off) 230 Pump
now 3 cc left

STOP CONTINUOUS dex.

66:30 2 Pump, 1 Amud
* Pump & Panel pulling
stopped off 1 c Panel last go,
And takes over 4 times. Day
right off disc drops
If at 8:10 am before Pump
drops off.

70:00 1 Pump, 1 Panel
* 35 Pump

0 (ic left) 30-25 P.imp)

23 Pump, 1 Panel
28 Pump, 1 Amud, 3 Panel
24 Pump, 7 Panel

24 Pump 3 Panel

25 Pump 3 Panel

26 Pump, 3 Panel

\*26 Pump, 3 Panel
13 June
Clear, dry, calm, mild
1 cricket

0.30"  Arud on disc - immediately finds C

1.20"  Arud circling, drogging, off C

2.45"  Pump on off disc, 6" up to bait
Arud still circling at C
Succeeds in sliding it around inside ring, but can't get it outside ring.

4.50"  Arud on disc - immediately approaches Symp

5.30"  1" up disc

5.40"  1" up disc - huge, 5" to feed

6.20"  And on disc, 2 1/2" up disc

6.40"  Pump to Symp - now 2" to C, 4" to C, 2" to C

7.30"  and Arud + pump to bait, pump 1"

10.50"  and Arud
now 2" to C, 4" to C, 2" to C

12.00" 2" up

13.20"  2" up to disc; Arud 4" up, with piece of debris

14.00"  3" pump, now 2" up, 1" to C, 1" to C

15.00"  2" up

15.10"  2" pump, back, then 4"
start at 1537

By Cricket #2
- 1m away from 1st 3 sights

1527 Start
153930 Arr at C
40' 0'

1543 Arrd back at C
1545 0' Paul
1550 1 Arrd
1555 2 Arrd
50 1st Pimp arrives

5610 2nd Pimp - min. 2 Arrd
58 2 Arrd, 1 Pimp

60 2 Arrd, 2 Pimp
64 12 Pimp
65 14 Pimp
70 18

By Cricket #3
- 1.5m away from 1st 3 sights

1537 Start

92 Arrd at bart
93 still at C

0

5600 3 Arrd
3800 4 Arrd
6000 1 Arrd
64 1 Arrd
65 0'
70 0
13 June - cont'd

1718” 2 Pumps at baits, small
1730” 1 Pumps
1840” And at baits
1855” Pumps at baits
   horn for 2 Ams, many bobbers
2030” Pumps, now 1 Ams
22 And 1 Ams
2230” Pumps, back
2235” Ams, back
   L can still see disc, not at baits
2400” And 2 Pumps at baits
   And will advise, many bobbers around
2545” 1 Pump, on disc, 1 Ams
2850” And on disc, Large
   3 mos. of year

13 June

1625” 1 Pump led, 2 + 1 Ams at 9 Pump
1730” 1 Pumps, now 2 Pumps, at 1 Pump
1815” 3 Pumps, 1 Ams
   Pumps, now 1 Pump, 1 Ams
   Pumps, 1 Ams
   Pumps, 1 Ams

1900” Pumps to baits
   and avoids
1930” 1 Pumps, Pumps
2015” 2 Pumps
2115” 1 Pumps
   12 Pumps, 1 Ams
   Pump and many bobbers

2130” 14
2400” 13 Pumps, 2 Ams
2730” 19 Pumps, 1 Ams, 1 Ams
38" 2 Pump
1 April, still carrying debris

39' 00"
1 Pump

"A veg to 14 c
(also 1 Dip + Pos)

37' 30"
1 Pump on disc
not at knees

39' 40" 2nd Pump on boat
Stops off and, which
immediately circles back
Other Pump US-
1 April + 1 Pump

42' 00" 1 April + 1 Pump

45" Pund now has 14 c
Dragged to side of disc

48' 45" 2 Lauren into Disc

50' 00"
1 Lauren dragging at cricket
out of hall until

2nd L Car on disc - not at
CC

57"
2nd L Car, CC - begins
dragging at them
<table>
<thead>
<tr>
<th>Time</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>74:00</td>
<td>2 Amm show up, bug - westpire - on 11Vs. 1Pips attack. Second and keep on for a few sec. till shaken loose. Amm. 1Vs.</td>
</tr>
<tr>
<td>76</td>
<td>~ 32 Pips</td>
</tr>
<tr>
<td>80</td>
<td>~ 50 Pips</td>
</tr>
<tr>
<td>83</td>
<td>~ 60 Pips</td>
</tr>
<tr>
<td>85</td>
<td>~ 60 Pips</td>
</tr>
<tr>
<td>97</td>
<td>~ 55-60 Pips</td>
</tr>
<tr>
<td>97</td>
<td>1 hr</td>
</tr>
</tbody>
</table>

Officer 0
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>51'</td>
<td>2 And</td>
<td>C C</td>
</tr>
<tr>
<td>54'00</td>
<td>2 And</td>
<td>&amp; disc not</td>
</tr>
<tr>
<td>55'00</td>
<td>2 And</td>
<td>&amp; disc not</td>
</tr>
<tr>
<td>55'40</td>
<td>1/2s w. c</td>
<td>Lcm.</td>
</tr>
<tr>
<td>55'55</td>
<td>Conc. of disc not</td>
<td>greens</td>
</tr>
<tr>
<td>57'00</td>
<td>And</td>
<td>approaches &amp; very</td>
</tr>
<tr>
<td>59'</td>
<td>Pup</td>
<td>Active</td>
</tr>
<tr>
<td>60'</td>
<td>2 off disc - slowly</td>
<td>2 And</td>
</tr>
<tr>
<td>60'</td>
<td>4 Pup</td>
<td>Pup</td>
</tr>
</tbody>
</table>
June 80
Clear, dry, beautiful day w. SW breeze
Air = 96°, d. = 20.5 (rain yesterday)

**Score**

1st Inn. Wickets Go

| 9:00 | A red in disc. - 2 runs, grabs one |
| 10:15 | 1r w/c |
| 11:10 | Ared at bat |
| 11:30 | 1r w/c |

**Score**

2nd Inn. Wickets Go

| 8:30 | Ck. That just left 1g c #3 into disc. - checked out cc. But lbw was taken any |

2.30 A red directly to cc
23:04 1r w/c
39:10 2nd lbw
47:30 Ared at C

**Note:** Small, 'pin-head'-sized crickets common in listener today

**Large Cricket #1**

- 2.30: A red goes directly to cc
- 35.30: A red to C
- 37.50: A red to C
- 35.05: lbw

**Large Cricket #2**

- 2.40: A red goes directly to cc
- 6.30: A red goes directly to cc
- 7.30: A red to C
- 8.00: lbw

**Large Cricket #3**

- 8.50: A red goes directly to cc
- 6.00: lbw
- 6.25: Ared at C
- 6.55: lbw

**Score**

- 9.00: lbw
- 9.15: lbw
- 9.30: lbw
- 10.30: lbw
- 11.00: lbw
- 11.30: lbw
- 12.30: lbw
- 13.00: lbw
- 14.00: lbw
- 14.15: lbw
- 14.30: lbw
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- 59.00: lbw
- 60.00: lbw
**Snow Cricket #1**

In Cricket on:
49°20' C pen nr. 3 in wait of cc, started to 3 p.m.
52'40' Major Cpen on bnt
55'20' Art and picked up wait of 2 c wgt by C pen
56'15' 1st w. a cc was
56'45' Cpen at disc chase at a fence
58'50' Art and at cc
59'10' a. d. C pen and w/e
C pen nr. 11 loaded on disc
59'35' C pen on disc
59'45' Art
59'55' 1st w/e
60'20' Cpen, 1st w/e at cc and
continues on phantom trail
67'30' 2 Cpen at bnt

**ly Cricket #1**

49°30' C pen nr. 3 in wait of cc, started to 5 p.m.
50'40' Pm p charged at CC
60±5' Cpen w/e. C pen
61'20' 2nd w/e
61'30' Cpen which
just left cc toward the bnt-
join in at

return to bnt at 73'00' 84'00

**ly Cricket #2**

54° 40' m of Cpen nr. 3
55'00' 2nd w/e
57'15' 1st w/e
61'20' 2nd w/e
61'30' Cpen which
just left cc toward the bnt-
join in at

90'00' - 1 Cpen
90'00' - 1 Pimp
90'00' - 1 Pimp
90'00' - 1 Pimp

89'50' Cpen w/e
90'00' - 1 Pimp

90'20' 2 Cpen have
charge of disc
26 June 80

- Tried video-taping Laurematers at TR #1

- Specs on camera:

  - Min. dist. possible camera-ground
    - using tripod = 50 cm
    - but won't quite focus

  - When focused, camera must be
    - ~ 82 cm from ground - but it's too
    - Then file held at full zoom

    - With +1 portrait lens added
      - can drip focus at full zoom at
      - 95 cm (min. tripod height)
      - 4. Cricket file at 3/4 field

    - With +2 portrait lenses
      - can just focus at ~ 30-32 cm
      - Cricket file ~ 7/3 field

    - With +4 portrait
      - can just focus at ~ 22 cm
      - Cricket almost fills field
      - but depth of field very shallow

    - +1 and +2 together seem to be
      - same as +2 alone