

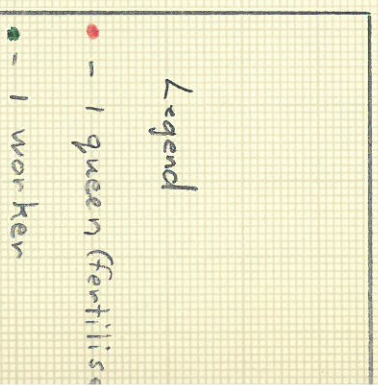
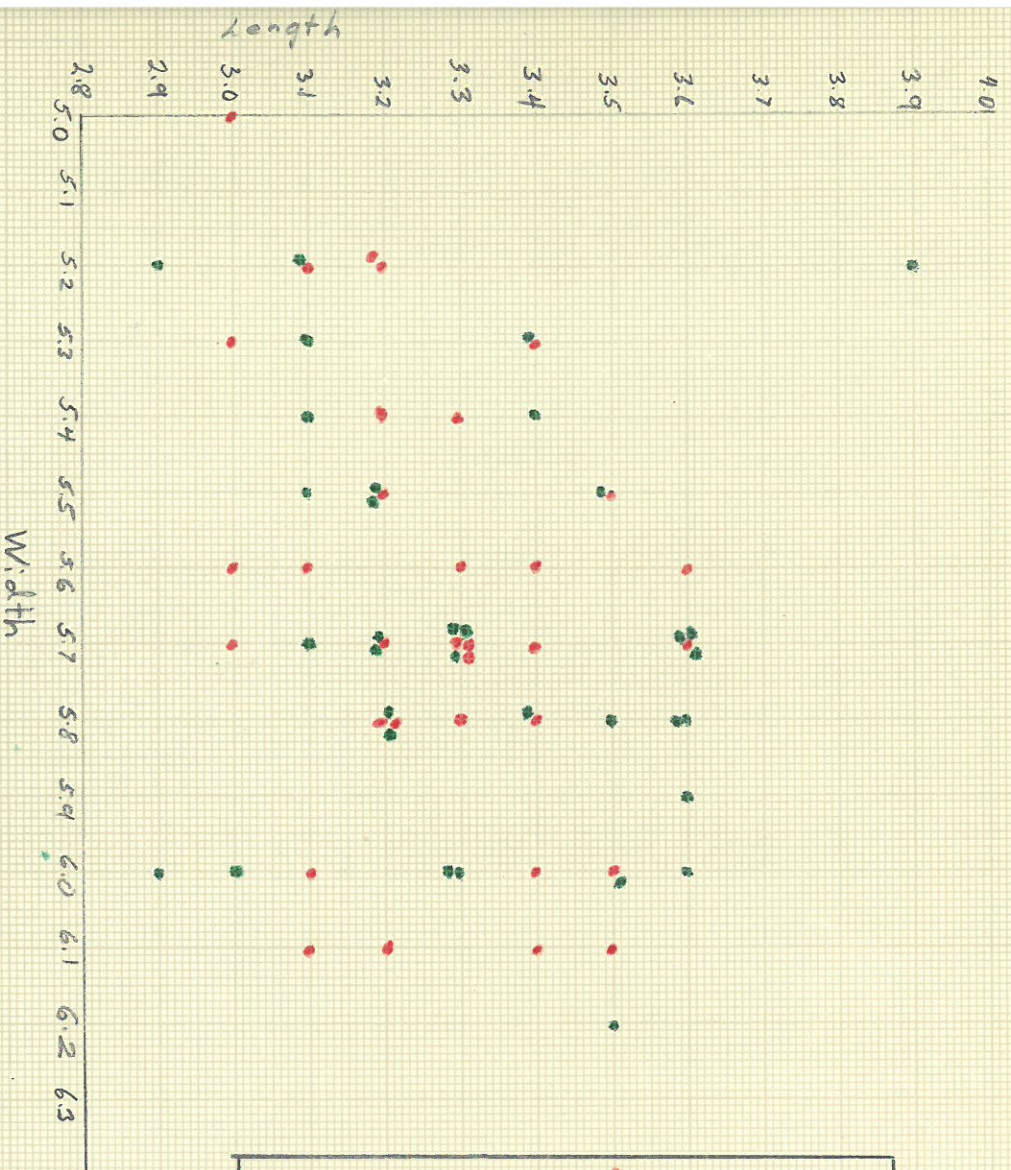
Pseudo polybia

vespiceps

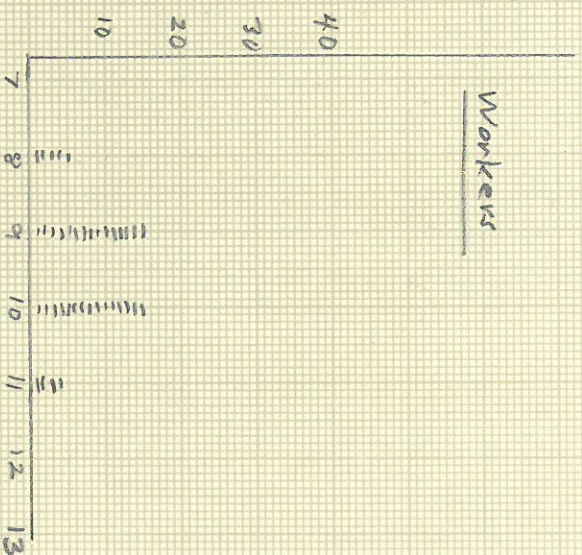
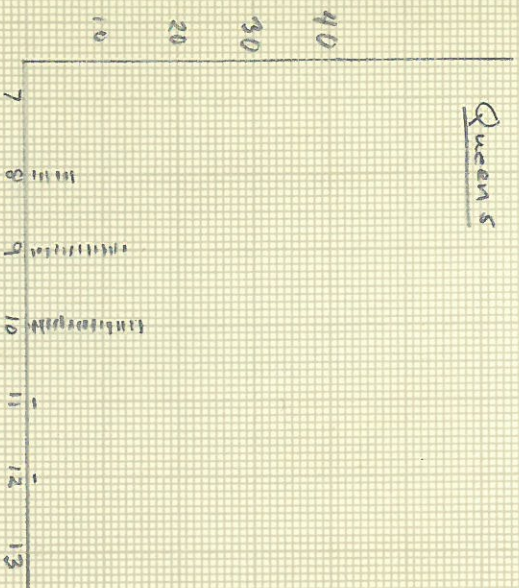
Aug 2

Pseudopolybia respiciens

1st Tergite - Length vs. Width



Hawall No



2x2 Table of Freq of Band Intensity of Queens and Workers

		T: 28		29		49	
		dark		light		30e	
Bands	Status	Queen		Worker			
		dark	11	19	30e		
		light	9	10	19f		

$$\chi^2 = \frac{N(b-c-ad)^2}{efgh}$$

$$= \frac{49(9 \times 19 - 11 \times 10)^2}{30 \times 19 \times 20 \times 29} = 11.7$$

for $\chi=3$, signif at 1% level

(over) →

Unfertilised "Queens"

dark - 9
light - 3

Pseudopolybia vespiceps

An 2

(1/8/68, 13

No. *Ovario* *apomotheca* *fat*

1st Tergite
Length Width

1	ripe eggs	open	+	< 3.5	5.5
2	" "	" "	+	< 3.0	5.6
3	threadlike	empty	+	x 3.9	5.2
4	well-dev, no ripe eggs	" "	+	x 3.4	5.8
5	ripe eggs	open	+	< 3.1	6.1
6	" "	" "	+	< 3.5	6.1
7	threadlike	empty	+	x 3.4	5.7
8	ripe eggs	open	+	x 3.3	5.8
9	" "	" "	+	x 3.3	6.0
10	beaded	empty	+	x 3.3	5.3
11	ripe eggs	open	+	< 3.1	5.7
12	" "	" "	+	< 3.4	5.8
13	" "	open	+	< 3.1	5.8
14	" "	" "	+	< 3.4	5.7
15	" "	" "	+	< 3.1	5.5
16	well dev + threadlike	empty	+	x 3.1	5.5
17	ripe eggs	open	+	< 3.2	5.5
18	" "	" "	+	< 3.3	5.5
19	beaded	empty	+	x 3.3	5.5
20	ripe eggs	open	+	x 3.3	5.5
21	threadlike	empty	+	x 3.1	5.5
22	ripe eggs	open	+	< 3.2	5.5
23	" "	" "	+	< 3.2	5.5
24	internal + well-dev.	empty	+	< 3.5	5.5
25	well-dev, no ripe eggs	" "	+	x 3.5	5.5
26	threadlike	" "	+	x 3.5	5.5
27	" "	" "	+	x 3.2	5.5
28	ripe eggs	" "	+	x 3.2	5.5
29	threadlike	" "	+	x 3.4	5.5
30	ripe eggs	open	+	< 3.4	5.5
31	" "	empty	+	< 3.4	5.5
32	" "	open	+	< 3.6	5.5
33	" "	" "	+	< 3.6	5.5
34	" "	empty	+	x 3.4	5.5
35	threadlike	" "	+	x 3.4	5.5
36	ripe eggs	open	+	< 3.4	5.5
37	" "	empty	+	x 3.2	5.5
38	internal	empty	+	x 3.2	5.5
39	threadlike	open	+	< 3.4	5.5
40	ripe eggs	open	+	< 3.4	5.5
41	" "	" "	+	< 3.4	5.5
42	threadlike	empty	+	x 3.4	5.5
43	" "	" "	+	x 3.4	5.5
44	" "	" "	+	x 3.4	5.5

Pseudopolybia

vespiceps

An 2

(cont'd)

Diagnosis *Oreocera* *Apemathes* *fat*

1st Tergite
Length 1.1

Measure

45	well-dev. no ripe eggs	empty	+	-	3.3	6.1	5.1
46	ripe eggs	specimen	+	-	3.2	5.2	5.1
47	medium + ripe eggs	empty	+	-	3.3	6.1	5.1
48	beaded	"	+	x	3.5	6.0	5.1
49	ripe eggs + threadlike	"	+	x	3.4	5.3	5.1
50	wild-dev. no ripe eggs	specimen	+	>	3.6	5.6	5.1
51	ripe eggs	"	+	>	3.0	5.0	5.1
52	"	"	+	>	3.3	5.8	5.1
53	"	"	+	>	3.0	5.7	5.1
54	interned.	empty	+	x	3.3	5.7	5.1
55	threadlike	"	+	x	2.9	5.2	5.1
56	"	"	+	x	2.1	5.7	5.1
57	"	"	+	x	2.1	5.2	5.1
58	"	"	+	x	2.1	5.7	5.1
59	well-dev. no ripe eggs	"	+	-	3.3	4.0	5.1
60	ripe eggs	"	+	x	3.4	5.9	5.1
61	interned	specimen	+	>	3.6	5.7	5.1
62	ripe eggs	empty	+	-	3.6	5.5	5.1
63	beaded	"	+	x	3.3	5.9	5.1
64	ripe eggs	"	+	-	3.1	5.9	5.1
65	interned	"	+	x	3.1	5.3	5.1
66	well-dev. no ripe eggs	"	+	-	3.1	6.0	5.1
68	threadlike	"	+	x	3.1	5.4	5.1
69	interned	"	+	x	2.2	5.2	5.1
70	threadlike	"	+	x	2.2	5.5	5.1
71	well-dev. no ripe eggs	"	+	-	3.3	5.4	5.1
72	"	"	+	-	3.3	5.5	5.1
73	threadlike	"	+	x	3.4	5.4	5.1
74	ripe eggs	specimen	+	>	3.3	5.6	5.1
75	interned	empty	+	x	3.1	5.7	5.1
76	ripe eggs	"	+	-	3.1	5.5	5.1
77	"	"	+	-	3.2	6.0	5.1
78	"	"	+	>	3.3	6.0	5.1
79	"	"	+	>	3.3	6.0	5.1
80	well-dev. no ripe eggs	specimen	+	-	3.2	6.0	5.1
81	ripe eggs	specimen	+	>	3.2	6.0	5.1
82	beaded	empty	+	x	3.1	6.0	5.1
83	ripe eggs	specimen	+	>	3.2	6.0	5.1
84	"	"	+	-	3.2	6.0	5.1
85	well-dev. no ripe eggs	empty	+	-	3.5	6.0	5.1
86	ripe eggs	specimen	+	>	3.3	6.0	5.1
87	"	"	+	>	3.2	6.0	5.1
88	threadlike	empty	+	x	3.6	6.0	5.1

Water Sample
No.

Wing
Length

Remarks

10	11.5	-	pale bands (2 spaces)
12	11.5	✓	dark (1.8) (e. angle)
10	11.5	-	dark (2) (e. median.)
9	11.0	x	pale (2)
11	11.3	x	pale (2)
9	11.0	✓	dark (2)
10	12.0	✓	" (2)
9	11.5	✓	pale (1.5)
10	11.0	✓	pale (2)
10	11.5	x	dark (2.2)
9	9.5	x	dark (2)
10	11.5	x	" (3)
9	11.5	x	" (2)
10	11.5	x	" (2)
9	11.5	-	" (2)
10	11.5	-	" (2)
9	11.0	✓	pale (2)
10	11.0	x	dark (2)
8	11.0	x	pale (2)
10	12.0	*	dark (2)
8	11.0	-	" (1.8)
11	11.5	✓	pale (2)
9	11.5	x	dark (2)
10	11.0	x	pale (1.5)
8	11.0	x	dark (2.5)
11	11.5	✓	pale (2)
9	11.0	-	pale (2)
10	11.0	-	dark (2)
9	11.5	x	pale (1.8)
10	11.5	x	dark (2)
9	11.0	✓	" (1.8)
10	11.5	✓	pale (1.5)
9	11.0	x	dark (2)
10	11.5	-	pale (2)
9	11.0	-	dark (2)
10	11.5	-	pale (1.8)
9	11.0	✓	dark (2)
10	11.5	✓	" (2)
9	11.0	✓	" (2)
10	11.5	✓	pale (2)
9	11.0	x	dark (2)
10	11.5	✓	dark (2)
9	11.0	✓	dark (2)
10	11.5	✓	pale (1.8)
9	12.0	✓	dark (1.8)
8	11.5	x	dark (1.8)

Pseudopolybia vespiceps

An 2 (cont'd)

No.	Observ	Spemtheca	Fat	1st Thoracic length	Wing
89	ripe eggs	empty	+	3.4	5.9
90	" "	open	+	3.5	5.9
91	ripe eggs	empty	+	3.5	6.0
92	thoracic	" "	+	3.2	5.8
93	head	" "	+	3.3	5.7
94	ripe eggs	open	+	3.1	6.0
95	well-dev. in ripe eggs	empty	+	3.2	5.7
96	" "	" "	+	3.4	5.8
97	thoracic	" "	+	3.5	6.0
98	" "	" "	+	3.3	5.9
99	head	" "	+	3.5	6.0
100	ripe eggs	open	+	3.2	6.0

Note: Thoracic 3-5 head bands of which are recorded for discs
No apparent difference bet

Summary:

Fertilised Queens	-	36
Unfert. " Queens	-	39
Workers	-	<u>25</u>
		100

- 121
- 122
- 123
- 124
- 125
- 126
- 127
- 128
- 129
- 130
- 131
- 132

note	Age	Wing length	Remarks
1.8	10 - 1	11.5	pale (1.5)
5.9	8 ✓	11.5	dark (1.5)
5.2	10 - 1	11.5	" (1.5)
5.9	9 x	11.5	dark (2)
5.8	10 x	11.5	dark (2)
5.5	8 ✓	11.5	dark (2)
5.6	10 - 1	11.5	dark (2)
6.0	10 -	11.5	dark (2)
5.5	9 x	11.0	dark (2)
5.9	9 x	11.0	dark (2)
5.6	9 x	11.0	dark (2)
5.8	10 ✓	11.3	dark (2)
	3 5		

varying width & intensity
29-100

under pressure and uneven