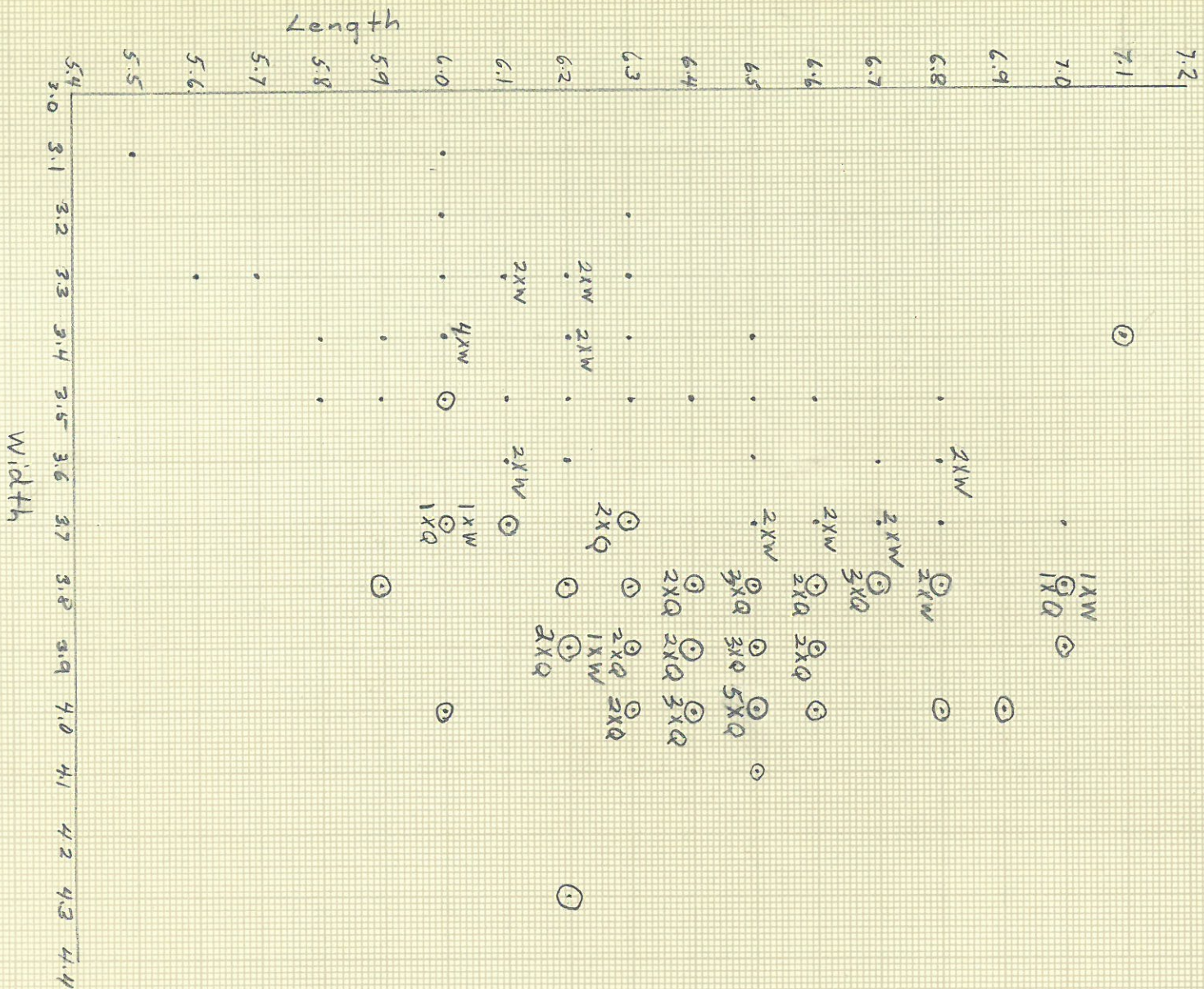


Epipora
tatua

July 13

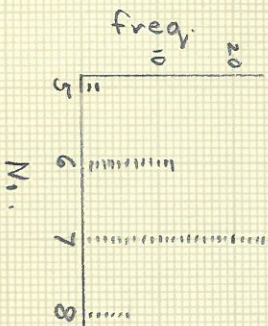
Epipana tataria: July 13

1st Tergite: Length vs. Width

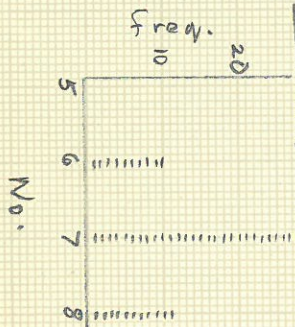


Hamuli: No.

Workers



Queens



Epipona tatua

July 13

1944 sma

1st tergite
length mm

No. Ovaia Spermathecae Jux

1	ripe	ova	sperm	+	6.5	3.3
2	"	"	"	+	6.5	4.1
3	"	"	"	+	6.3	4.1
4	"	"	"	+	6.0	3.4
5	"	"	"	+	6.5	3.4
6	threadlike	"	eggs	+	6.4	3.3
7	"	"	"	+	6.1	3.3
8	"	"	"	+	6.1	3.3
9	"	"	"	+	6.1	3.3
10	"	"	"	+	6.0	3.3
11	"	"	"	+	5.9	3.3
12	"	"	"	+	6.2	3.3
13	"	"	"	+	6.2	3.3
14	intermed.	"	"	+	6.2	3.3
15	threadlike	"	"	+	6.2	3.3
16	"	"	"	+	6.2	3.3
17	"	"	"	+	6.2	3.3
18	intermed.	"	"	+	6.2	3.3
19	intermed.	"	"	+	6.2	3.3
20	ripe eggs	"	sperm	+	6.4	3.3
21	threadlike	"	"	+	6.4	3.3
22	"	"	"	+	6.4	3.3
23	"	"	"	+	6.4	3.3
24	"	"	"	+	6.4	3.3
25	"	"	"	+	6.4	3.3
26	"	"	"	+	6.4	3.3
27	ripe eggs	"	sperm	+	6.4	3.3
28	threadlike	"	"	+	6.4	3.3
29	"	"	"	+	6.4	3.3
30	"	"	"	+	6.4	3.3
31	"	"	"	+	6.4	3.3
32	"	"	"	+	6.4	3.3
33	"	"	"	+	6.4	3.3
34	"	"	"	+	6.4	3.3
35	"	"	"	+	6.4	3.3
36	"	"	"	+	6.4	3.3
37	"	"	"	+	6.4	3.3
38	"	"	"	+	6.4	3.3
39	"	"	"	+	6.4	3.3
40	"	"	"	+	6.4	3.3
41	"	"	"	+	6.4	3.3
42	"	"	"	+	6.4	3.3
43	"	"	"	+	6.4	3.3
44	"	"	"	+	6.4	3.3

1 wasps, 108 large wasps

Anna
No.

March 1894

2014

Large water

small wedge

large
("small")
("small")

[illegible]

Epipona tata July 13

(cont'd)

No. Cruise Specimen Tot

1st 2nd
Length Width

~~Head~~
thoracic

length

6.3
6.1

3.2
3.5

"

"

+

6.0

3.4

"

"

+

6.3

3.3

"

"

+

6.5

3.4

~~Head~~
thoracic

"

+

6.5

3.4

"

"

+

6.3

3.3

"

"

+

6.2

3.3

"

"

+

6.2

3.3

ripe eggs

open

+

6.5

4.0

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+

6.6

3.3

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6.4

3.3

Monometer

Humboldt No.

Wing Length

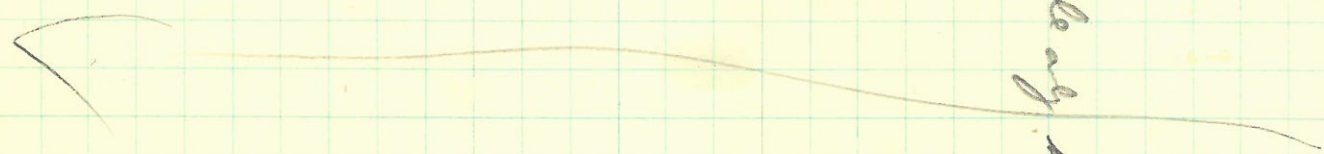
Remarks

6.0	7	10.0	Small wings
5.9	6	10.0	" "
6.1	7	10.0	" "
6.0	8	9.5	" "
6.0	6	10.0	" "
5.9	7	9.5	" "
6.3	7	9.5	" "
6.0	7	9.5	" "
5.6	7	9.5	" "
5.5	6	10.0	" "

Long wings

6.4	6	10.5	
6.3	7	10.5	
6.1	7	10.5	
6.5	7	10.5	
6.3	7	10.5	
6.3	7	10.5	
6.1	8	10.5	
6.0	7	10.5	
6.7	7	10.5	
6.4	7	10.5	
6.0	7	10.5	
6.3	7	10.5	
6.1	7	10.5	
6.0	7	10.5	
6.4	7	10.5	
6.5	7	10.5	
6.0	6	10.0	
6.2	7	10.5	
6.0	7	10.5	
6.3	7	10.5	
6.1	8	10.5	
6.2	8	10.5	
6.3	7	10.5	
6.3	7	10.5	
6.4	7	10.5	
3.8	3	10.0	
3.8	3	10.5	
3.8	3	10.5	
3.7	3	10.5	
4.3	4	10.5	
4.0	4	10.5	
3.7	3	10.5	
3.8	3	10.5	
3.8	3	10.5	

10.5 upstroke only. two up eggs



Epipona tataru

19 13

(cont'd)

Thro
No.

Ovaries

Sperm. Sheath

Foot

1st Tergite
Length
No.

88	ripe eggs	sperm	+	4.1
89	"	"	+	4.3
90	"	"	+	4.4
91	"	"	+	4.5
92	"	"	+	4.6
93	"	"	+	4.7
94	"	"	+	4.8
95	"	"	+	4.9
96	"	"	+	5.0
97	"	"	+	5.1
98	"	"	+	5.2
99	throatlike ripe eggs	sperm	+	5.3
100			+	5.4

Mesonotum

11
00998
3.8
3.7
1.0
3.8
3.9
3.8

6.4
6.0
6.5
6.1
6.0
6.5
6.1
6.1
6.3

Humuli
No.

1168717881676

Wing
Length

10.5
10.5
10.5
10.5
10.5
10.5
10.5
10.5
10.0
9.5
10.5

Forewings

Large wing

