

APPENDIX C

Jellyfish specimens caught and examined by the author

Physalia specimens

Specimens of *Physalia* in Queensland University

20 specimens:

1. Float length ranged from 40 - 100 mm (most were large)
2. Crest length ranged from 20 - 60 mm
3. Number of "main" tentacles - 1
4. Number of accessory tentacles - 2 - 7 (as long, or nearly as long as the "main" tentacles)
5. 16 (80%) specimens right-handed, 4 (20%) specimens left-handed
6. There were many smaller tentacles under the float with gastrozooids

Small specimens of *Physalia* from Mackay 20/1/92

22 specimens:

1. Float length ranged from 11 - 40 mm
2. Crest length ranged from 5 - 25 mm sometimes these were raised)
3. Number of "main" tentacles - 1
4. Number of accessory tentacles - 0 - 7
5. 22 (100%) specimens left-handed
6. There were many smaller tentacles under the float with gastrozooids

Specimens of *Physalia* from Mackay 13/10/91

Small: 9 specimens:

1. Float length ranged from 18 - 50 mm
2. Crest length ranged from 10 - 30 mm (some of these were raised)
3. Number of "main" tentacles 0 - 1
4. Number of accessory tentacles 1 - 2
5. 9 (100%) specimens left-handed

Medium: 21 specimens:

1. Float length ranged from 25 - 70 mm
2. Crest length ranged from 15 - 53 mm (some of these were raised)
3. Number of "main" tentacles 1 - 6
4. Number of accessory tentacles 0 - 12
5. 21 (100%) specimens left-handed

Large: 6 specimens:

1. Float length ranged from 60 - 105 mm
2. Crest length ranged from 25 - 80 mm (all had raised crests)
3. Number of "main" tentacles 4 - 8
4. Accessory tentacles - up to 15
5. 6 (100%) specimens left-handed

Specimens of *Physalia* from Noosa 1989

26 specimens:

All were small. Most had tentacles removed for previous studies. Sufficient were left to show that all had more than one "main" tentacle.

Physalia physalis specimens from Florida

13 specimens sent by Joe Burnett:

1. Float length ranged from 15 - 70 mm
2. Crest length ranged from 10 - 55 mm
3. Number of "main" tentacles
 - a) 1 float length from 15 - 50 mm
 - b) 2 " " 70 mm (no specimens 51-69mm)
4. Number of accessory tentacles (those hanging below gastrozooids) 2 - 6
5. 11 (85%) specimens right-handed, 2 (15%) specimens left-handed

Note: Because the tentacles of all specimens were tangled, it was impossible to determine actual main tentacle or accessory tentacle lengths.

Tamoya – specimens

1. A2834a - specimen found dead on Mackay Harbour Beach 1986. Joe Burnett sent tentacles for analysis. #1 Diameter 11.0 height 11.5cm. Marked "rose thorn" corniliculum (similar to *Chironex*) and thin-keeled pedalium. Stalked sensory pit with "eyelid" flaps. Perradial gonads and gastric cirri. Velarial canals. Warty clumps of nematocysts on bell but NOT on velarium. This specimen ?? *Tamoya virulenta*
2. A2834b - specimen found dead on Mackay Harbour Beach 1986. #2 Diameter 11.3 height 14.1cm
Marked "rose thorn" corniliculum (similar to *Chironex*) and thin-keeled pedalium. Stalked sensory pit with "eyelid" flaps. Perradial gonads and gastric cirri. Velarial canals. Warty clumps of nematocysts on bell but NOT on velarium. This specimen ?? *Tamoya virulenta*
3. Specimen A 2835. Found beached alive on Cape Hillsborough beach on 9-5-87. As above (A2834c).
Diameter 9.5, height 11.5
4. A2837. Beached alive 9-5-87. As above but FEW warts.
Diameter 8.75, height 11.0
5. Net caught specimen off Slade Point April 29th 1989. Velar canals, perradial gonads, sensory pit as above, gastric cirri. Keeled pedalium but thicker than above, warty nematocysts all over bell AND velarium. Blunt ended corniliculum.
Diameter 11.0, height 15.0cm.
6. Caught Phil Alderslade in Darwin May 2 1989 (PA2). As 1,2 above (? *T. virulenta*)
#1 - Diameter 4.5, height 4.0
7. Caught Phil Alderslade in Darwin May 1989 (PA4). As 1,2 above (? *T. virulenta*)
#2 - Diameter 5.0 height 4.2cm
8. Caught Dave Barker October 1989 (DB01)
Diameter 8.1, height 10.3
9. Caught Dave Barker October 1989 (DB02)
Diameter 6.1, height 5.8
10. Found Dave Barker April 1990 (DB03)
Diameter 7.9, height 9.2
11. Caught at Mackay Harbour beach October 1990
Diameter 9.3, height 12.1
12. Found Blacks Beach, Mackay April 1991
Diameter 10.1, height 13.7
13. Caught Pioneer River, Mackay September 1991
Diameter 3.4, height 4.7
14. Caught Pioneer River, Mackay October 1992
Diameter 6.6, height 7.8
15. Caught, Harbour Beach, Mackay October 1992
Diameter 4.6, height 5.7
16. Caught, Harbour Beach, Mackay October 1992
Diameter 5.3, height 7.0
17. Found Harbour Beach, Mackay May 1993
Diameter 4.1, height 4.9
18. Caught Slade Point, Mackay May 1993
Diameter 4.7, height 5.2
19. Caught Pioneer River, Mackay October 1994
Diameter 6.1, height 8.0
20. Caught Bucasia Beach, Mackay September 1995
Diameter 3.8, height 4.4
21. Caught Harbour Beach, Mackay May 1996
Diameter 6.1, height 8.8
22. Caught Pioneer River, Mackay June 1996
Diameter 4.9, height 5.7