

## Part V

# Decapod Crustacea of Scott and Seringapatam Reefs

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### Abstract

A total of 40 brachyurans (largely xanthids), 14 paguroids, 1 scyllarid and 1 palinurid was recorded.

### Background and discussion

A small collection of decapod crustaceans, largely comprising xanthid crabs and paguroids, was made at Scott and Seringapatam Reefs in 1984. A wide selection of habitats was sampled by diving, reef walking and dredging (see Appendix Table 3).

Although a high proportion of the species collected have not previously been recorded from Western Australian waters, it is not possible to comment on the composition or biogeographic significance of the faunas of these offshore reefs because of the poor state of knowledge of the xanthid and paguroid faunas elsewhere in Western Australia.

A total of 40 brachyuran, 14 paguroid, 1 scyllarid and 1 palinurid species was recorded. The fact that the palinurid *Panulirus versicolor* should occur at Scott Reef but not at the Rowley Shoals is a puzzle and may be attributable to the abundance of large serranid fish, particularly the Potato Cod (*Epinephelus tukula*) which are likely predators of spiny lobsters at the Rowley Shoals. Large serranids were rare at Scott and Seringapatam Reefs.

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## Key to symbols

Numbers = sampling stations (see Part I, Figures 7 and 8; Appendix Table 3).

## List of Decapod Crustacea

	Scott/Seringapatam Reefs
<b>BRACHYURA</b>	
<b>DROMIACEA</b>	
<b>DROMIIDAE</b>	
<i>Dromidiopsis abroloensis</i> Montgomery, 1931	11
<i>Petalomera</i> ? sp.	11
<b>Oxystomata</b>	
<b>CALAPPIDAE</b>	
<i>Calappa hepatica</i> (Linnaeus, 1758)	2
<b>Oxyrhyncha</b>	
<b>OXYRHYNCHA</b>	
<b>MAJIDAE</b>	
<i>Schizophrys aspera</i> (H. Milne Edwards, 1834)	2, 6
<i>Cyclax</i> sp.	19
<b>PARTHENOPIIDAE</b>	
<i>Daldorfia horrida</i> (Linnaeus, 1758)	19
<b>Brachyrhyncha</b>	
<b>PORTUNIDAE</b>	
<i>Thalamita coeruleipes</i> Jacquinot and Lucas, 1853	1, 2, 6, 19
<b>XANTHIDAE</b>	
<b>POLYDECTINAE</b> Dana, 1851	
<i>Lybia tessellata</i> (Latreille, 1812)	17
<b>CYMOINAE</b> Alcock, 1898	
<i>Cymo</i> sp. cf. <i>C. andreossi</i> (Audouin, 1826)	1
<b>LIOMERINAE</b> Sakai, 1976	
<i>Liomera rubra</i> (A. Milne Edwards, 1865)	1
<i>Liomera tristis</i> (Dana, 1852)	19
<b>EUXANTHINAE</b> Alcock, 1898	
<i>Euxanthus exsculptus</i> (Herbst, 1790)	2
<i>Euxanthus sculptilis</i> Dana, 1852	2
<b>ACTAEINAE</b> Alcock, 1898	
<i>Actaeodes tomentosus</i> (H. Milne Edwards, 1834)	2, 19

	Scott/Seringapatam Reefs
ZOSIMINAE Stimpson, 1907	
<i>Zosimus aeneus</i> (Linnaeus, 1758)	2, 19
XANTHINAE Macleay, 1838	
<i>Leptodius sanguineus</i> (H. Milne Edwards, 1834)	2
<i>Neoxanthias impressus</i> (Lamarck, 1818)	2
ETISINAE Ortmann, 1893	
<i>Etisus</i> sp. cf. <i>C. demani</i> Odhner, 1925	
<i>Etisus dentatus</i> (Herbst, 1785)	1, 2
CHLORODIINAE Alcock, 1898	
<i>Phymodius granulatus</i> (Targioni Tozzetti, 1877)	19
<i>Phymodius ungulatus</i> (H. Milne Edwards, 1834)	2
<i>Pilodius areolatus</i> (H. Milne Edwards, 1834)	2
(?) ZALASIINAE Serene, 1968	
<i>Daira perlata</i> (Herbst, 1790)	2, 19
TRAPEZIIDAE	
TRAPEZIINAE Miers, 1886	
<i>Tetralia glaberrima fulva</i> Patton, 1966	1
<i>Tetralia heterodactyla fusca</i> Serene and Dat, 1957	1
<i>Trapezia</i> cf. <i>cymodoce</i> (Herbst, 1799)	1
<i>Trapezia</i> cf. <i>ferruginea</i> Latreille, 1825	15
<i>Trapezia guttata</i> Ruppell, 1830	1
<i>Trapezia septata</i> Dana, 1852	1
DOMECIINAE Ortmann, 1893	
<i>Domecia hispida</i> Eydoux and Souleyet, 1842	15
PILUMNIDAE	
PILUMNINAE Alcock, 1898	
<i>Pilumnid</i> sp.	2
HETEROPILUMNINAE Serene, 1984	
<i>Heteropilumnus longipes</i> (Stimpson, 1858)	19
<i>Heteropilumnus</i> sp.	17
CARPILIIDAE	
<i>Carpilius convexus</i> (Forskål, 1775)	15, 19
MENIPPIDAE	
ERIPHIINAE Alcock, 1898	
<i>Eriphia scabricula</i> Dana, 1852	2, 19

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	Scott/Seringapatam Reefs
<b>DACRYOPILUMNINAE</b> Serene, 1984	
<i>Dacryopilumnus rathbunae</i> Balss, 1932	2
Unidentified xanthid	16
<b>GRAPSIDAE</b>	
<i>Percnon</i> cf. <i>planissimum</i> (Herbst, 1804)	2, 19
<b>PINNOTHERIDAE</b>	
<i>Xanthasia murigera</i> White, 1846	2
<b>CRYPTOCHIRIDAE (= HAPALOCARCINIDAE)</b>	
<i>Hapalocarcinus marsupialis</i> Stimpson, 1859	21
<b>ANOMURA</b>	
<b>DIOGENIDAE</b>	
<i>Calcinus gaimardii</i> (H. Milne Edwards, 1848)	2
<i>Calcinus laevimanus</i> (Randall, 1839)	1, 2, 14, 21
<i>Calcinus latens</i> (Randall, 1839)	2, 14, 21
<i>Calcinus seurati</i> Forest, 1951	14, 21
<i>Clibanarius</i> cf. <i>corallinus</i> (H. Milne Edwards, 1848)	2, 14
<i>Clibanarius</i> cf. <i>eurysternus</i> Hilgendorf, 1878	14
<i>Clibanarius</i> ? sp.	2
<i>Dardanus</i> cf. <i>crassimanus</i> (H. Milne Edwards, 1848)	1, 2, 14
<i>Dardanus deformis</i> (H. Milne Edwards, 1836)	1, 2
<i>Dardanus guttatus</i> (Olivier, 1811)	6, 14, 21
<i>Dardanus megistos</i> (Herbst, 1804)	2, 7
<i>Dardanus</i> cf. <i>scutellatus</i> (H. Milne Edwards, 1848)	6, 14
<i>Dardanus sanguinolentus</i> (Quoy and Gaimard, 1824)	2, 3, 7, 21
<b>PAGURIDAE</b>	
<i>Pagurus</i> sp.	2
<b>PALINURA</b>	
<b>PALINURIDAE</b>	
<i>Panulirus versicolor</i> (Latreille, 1804)	2
<b>SCYLLARIDAE</b>	
<i>Parribacus antarcticus</i> (Lund, 1793)	19