

the continental Australian *Goniocidaris florigera*, and perhaps of the Southern Ocean *Porocidaris elegans*.

While of the abyssal species common to the Atlantic and Pacific we have *Salenia hastigera*, *Aspidodiadema tonsum*, *Aërope rostrata*, *Periaster limicola*, and *Aceste bellidifera*.

As strictly Pacific representative abyssal species we can enumerate *Asthenosoma coriaceum*, *Phormosoma tenue*, *Phormosoma luculentum*, *Phormosoma bursaria*, *Trigonicidaris monilini*, *Prionechinus sagittiger*, *Paleotropus loveni*, *Pourtalesia laguncula*, *Pourtalesia rosea*, *Homolampas fulva*, *Cionobrissus revinctus*, and *Argopatagus vitreus*, the Southern Ocean species extending only into the southern part of the Pacific, as in the Atlantic, in the South American, and Australian districts, but a greater number of species than we find going northward in the Atlantic.

WEST, SOUTH, EAST, AND NORTH-EAST AUSTRALIA—NEW ZEALAND.

	Range in Depth and Principal Localities.
<p>DESMOSTICHA, Hæckel. C I D A R I D Æ, Müll. GONIOCIDARIDÆ, Hæckel.</p>	
<i>Phyllacanthus</i> , Br.	
<i>P. annulifera</i> , A. Ag.,	South Sea (Indo-Pacific).
<i>P. dubia</i> , Br.,	Australia (Indo-African).
<i>P. imperialis</i> , Br.,	Australia (African-Indian-Pacific).
<i>P. verticillata</i> , A. Ag.,	South Sea (African-Indian-Pacific).
<i>Stephanocidaris</i> , A. Ag.	
<i>S. bispinosa</i> , A. Ag.,	Australia (Indian).
<i>Porocidaris</i> , Des.	
* <i>P. elegans</i> , A. Ag.,	*Station 164a, 410 fathoms (Pacific).
<i>Goniocidaris</i> , Des.	
<i>G. geranioides</i> , Agass.,	Murray River; West Australia (Indian).
* <i>G. tubaria</i> , Lütke,	{ Bass Straits; Tasmania; *Station 161, 38 fathoms; *Station 162, 38-40 fathoms.
ARBACIADÆ, Gray.	
<i>Arbacia</i> , Gray.	
<i>A. australis</i> , Trosch,	Australia.
DIADEMATIDÆ, Peters.	
<i>Centrostephanus</i> , Pet.	
<i>C. rodgersii</i> , A. Ag.,	Sydney; Houtman's Abrolhos.
ECHINOTHURIDÆ, Wy. Thom.	
<i>Phormosoma</i> , Wy. Thom.	
* <i>P. hoplacantha</i> , Wy. Thom.,	*Station 164a, 410 fathoms (Southern Ocean).
* <i>P. rigidum</i> , A. Ag.,	*Station 169, 700 fathoms (Southern Ocean).