

Of the Japanese and Chinese species *Schizaster japonicus* is the only new littoral species collected by the Challenger. The habitat of *Pleurechinus* is determined for the first time, and *Echinus norvegicus* and *Dorocidaris papillata* are recorded for the first time as coming from the Pacific. As far as the other deep-water species are concerned there are of the continental Indo-African *Cælopleurus maillardi*, *Micropyga tuberculatum*, while *Podocidaris*, *Phormosoma*, *Asthenosoma*, and *Pourtalesia* are Pacific abyssal, with the exception of *Asthenosoma varium*, and the Japanese representative continental *Linopneustes murrayi* and *Goniocidaris florigera*.

PACIFIC OCEAN.

	Range in Depth and Principal Localities.
DESMOSTICHA, Hæckel.	
CIDARIDÆ, Müll.	
GONIOCIDARIDÆ, Hæckel.	
<i>Cidaris</i> , Kl	
<i>C. metularia</i> , Bl,	Solomon and Sandwich Islands (African-Indian-Pacific).
<i>Dorocidaris</i> , A. Ag.	
* <i>D. bracteata</i> , A. Ag.,	×Amboyna, 15-100 fathoms.
⊕ <i>D. papillata</i> , A. Ag.,	×Station 210, 375 fathoms (Atlantic).
<i>Phyllacanthus</i> , Br.	
× <i>P. annulifera</i> , A. Ag.,	{ South Sea; ×Cape York; ×Station 186, 8 fathoms; ×Station 188, 28 fathoms (Indian).
× <i>P. baculosa</i> , A. Ag.,	Samboangan, 10 fathoms (Indo-African).
<i>P. dubia</i> , Br.,	Bonin Islands; New Caledonia (Indo-African).
× <i>P. gigantea</i> , A. Ag.,	Sandwich Islands (African-Indian-Pacific).
<i>P. imperialis</i> , Br.,	Tonga (African-Indian-Pacific).
× <i>P. verticillata</i> , A. Ag.,	{ Navigator Islands; Society Islands; Sandwich Islands; ×Station 186, 8 fathoms (African-Indian-Pacific).
<i>Porocidaris</i> , Des.	
* <i>P. elegans</i> , A. Ag.,	×Station 214, 500 fathoms.
<i>Goniocidaris</i> , Des.	
<i>G. canaliculata</i> , A. Ag.,	Caroline and Sandwich Islands (Southern Ocean).
* <i>G. florigera</i> , A. Ag.,	×Station 192, 129 fathoms.
SALENIDÆ, Agass.	
<i>Salenia</i> , Gray.	
* <i>S. hastigera</i> , A. Ag.,	{ ×Station 170, 630 fathoms; ×Station 171, 600 fathoms; ×Station 195, 1425 fathoms; ×Off Cebu, 100 fathoms (Atlantic).
ARBACIADÆ, Gray.	
<i>Podocidaris</i> , A. Ag.	
* <i>P. prionigera</i> , A. Ag.,	×Station 218, 1070 fathoms.
<i>Cælopleurus</i> , Agass.	
⊕ <i>C. maillardi</i> , A. Ag.,	×Station 192, 129 fathoms; ×Amboyna, 100 fathoms (Indo-African).