

The northern and western boundaries of the Australian district encroach into the Indo-African limits, while the eastern extension of the Australian district laps far into the Pacific, or rather the whole of the Australian field seems to be cut out of the Indo-Pacific realm.¹ We find encroaching into the south-eastern limits abyssal species from the extension of the Pacific abyssal fauna: *Phormosoma hoplacantha*, *Porocidaris elegans*, and *Pourtalesia laguncula*, while *Prionechinus sagittiger* is probably only an abyssal species characteristic of the Indo-African realm.

Of the littoral species already known, *Temnopleurus reynaudi*, *Hipponoë variegata*, *Maretia planulata*, and *Brissopsis luzonica* were found by the Challenger to extend far into the Australian littoral district.

ANTARCTIC AND SOUTHERN OCEAN.

	Range in Depth and Principal Localities.
DESMOSTICHA, Hæckel. CIDARIDÆ, Müll. GONIOCIDARIDÆ, Hæckel. <i>Goniocidaris</i> , Des.	
× <i>G. canaliculata</i> , A. Ag., . . .	{ ×Station 147, 1600 fathoms; ×Station 149, 25 fathoms; ×Kerguelen, 20-150 fathoms.
ARBACIADÆ, Gray. <i>Arbacia</i> , Gray.	
× <i>A. dufresnii</i> , Gray,	{ ×Nightingale Islands, 100-150 fathoms; ×Station 151, 75 fathoms; ×Station 153, 1675 fathoms; ×Station 156, 1975 fathoms (South America).
ECHINIDÆ, Agass. TRIPLECHINIDÆ, A. Ag. <i>Echinus</i> , Rond. (Linn.)	
× <i>E. magellanicus</i> , Phil.,	{ ×Station 145, 150-310 fathoms; ×Station 147, 1600 fathoms; ×Marion Island, 50 fathoms.
× <i>E. margaritaceus</i> , Lam.,	{ ×Christmas Harbour, 50-120 fathoms; ×Station 150, 150 fathoms; ×Station 151, 75 fathoms.
PETALOSTICHA, Hæckel. SPATANGIDÆ, Agass. POURTALESIÆ, A. Ag.	
<i>Pourtalesia</i> , A. Ag.	
* <i>P. carinata</i> , A. Ag.,	×Station 147, 1600 fathoms; ×Station 157, 1950 fathoms (South Pacific).
* <i>P. ceratopyga</i> , A. Ag.,	×Station 157, 1950 fathoms (South Pacific).
* <i>P. hispida</i> , A. Ag.,	×Station 147, 1600 fathoms; ×Station 156, 1975 fathoms (Southern Ocean).
× <i>P. phiale</i> , Wy. Thom.,	×Station 156, 1975 fathoms (Atlantic).
<i>Spatagocystis</i> , A. Ag.	
* <i>S. challengerii</i> , A. Ag.,	×Station 147, 1600 fathoms; ×Station 157, 1950 fathoms.
<i>Echinocrepis</i> , A. Ag.	
* <i>E. cuneata</i> , A. Ag.,	×Station 147, 1600 fathoms.

¹ A number of Indo-African species extending into the Australian realm and into the Chinese districts have been added to the list, as no list of Indo-African species is given.