

Station 142, December 18, 1873; lat. 35° 4' S., long. 18° 37' E.; depth, 150 fathoms; bottom, green sand; bottom temperature, 47°.

*Amaroucium colelloides.*

*Psammaplidium subviride.*

*Leptoclinum edwardsi.*

Off Marion Island; depth, 50 to 75 fathoms

*Sidnyum pallidum.*

Station 147, December 30, 1873; lat. 46° 16' S., long. 48° 27' E.; depth, 1600 fathoms; bottom, Diatom ooze; bottom temperature, 34°·2.

*Pharyngodictyon mirabile.*

Between Kerguelen Island and Melbourne, Australia, the following Compound Ascidians were obtained:—

Station 149A, Betsy Cove, Kerguelen, January 14, 1874; lat. 49° 8' S., long. 70° 9' E.; depth, 40 fathoms; volcanic mud.

*Colella quoyi.*

Station 149c, Balfour Bay, Kerguelen Island, January 19, 1874; lat. 49° 32' S., long. 70° 0' E.; 20 to 60 fathoms; volcanic mud.

*Colella pedunculata.*

*Morchellium giardi.*

*Polyclinum minutum.*

*Aplidium fuscum.*

*Amaroucium variabile.*

*Leptoclinum rubicundum.*

Station 149D, Royal Sound, Kerguelen, January 20, 1874; lat. 49° 28' S., long. 70° 13' E.; 0 to 30 fathoms; volcanic mud.

————(?) *pyriformis.*

*Aplidium fumigatum.*

*Amaroucium variabile.*

„ „ var. *tenerum.*

„ *nigrum.*

*Leptoclinum subflavum.*

*Chorizocormus reticulatus.*

Off Christmas Harbour, Kerguelen, January 29, 1874; depth, 50 to 120 fathoms.

*Amaroucium complanatum.*

*Psammaplidium retiforme.*