

In the Didemnidæ there is one abyssal form, *Leptoclinum tenue*, but four other species extend to depths of over 100 fathoms.

If the range of depth at which Compound Ascidiæ were found (from the shore down to 1600 fathoms) be divided into zones, the following results will be arrived at:—

I.—Between the shore and 50 fathoms sixty species and varieties were found, viz.:—

- Botrylloides tyreum*.
 „ *perspicuum*.
 „ „ var. *rubicundum*.
 „ *nigrum*.
Polycyclus jeffreysi.
Colella pedunculata.
 „ *thomsoni*.
 „ *gaimardi*.
 „ *pulchra*.
 „ *elongata*.
 „ *quoyi*.
 „ *murrayi*, var. *rubida*.
 „ *concreta*.
Distaplia vallii.
 ——— (?) *pyriformis*.
Cystodytes philippinensis.
Symplegma viride.
Tylobranchion speciosum.
Atopogaster elongata, var. *pallida*.
Morchellioides affinis.
Morchellium giardi.
Polyclinum pyriforme.
 „ *fungosum*.
 „ *depressum*.
 „ *minutum*.
Aplidium fuscum.
 „ *leucophæum*.
 „ *crassum*.
 „ *fallax*.
 „ *fumigatum*.
Amaroucium variabile.
 „ „ var. *tenerum*.
 „ *globosum*.