

## XI.—CLASSIFICATION.

The following is the classification of the Stalked Echinoderms which is adopted in these Reports :—

## Phylum, ECHINODERMATA.

Branch, PELMATOZOA.

Class 1. CRINOIDEA.

Class 2. CYSTIDEA.

Class 3. BLASTOIDEA.

*Synonymy and other Classifications.*

|                                |   |   |   |  |
|--------------------------------|---|---|---|--|
| PELMATOZOA, Leuckart,<br>1848. | } | <i>Crinoidea</i> , Burmeister,<br>1856.                   | { Brachiata.<br>Anthodiata.                                   | { 1. Crinoidea, <i>sensu. str.</i><br>2. Cystidea.<br>3. Blastoidea.                   |
|                                |   | <i>Crinoidea</i> , Roemer, 1856.                          | { An order of the class<br>Echinodermata.<br>Three suborders. | { 1. Actinoidea =<br>Crinoidea, <i>sensu. str.</i><br>2. Cystidea.<br>3. Blastoidea.   |
|                                |   | <i>Tentaculata</i> , Ray-<br>Lankester, 1877.             | { A branch of the Phylum<br>Echinodermata.<br>Three classes.  | { I. Crinoidea.<br>II. Blastoidea.<br>III. Cystidea.                                   |
|                                |   | <i>Crinoidea</i> , Zittel, 1880 ;<br>and de Loriol, 1882. | { A class of the Stamm<br>Echinodermata.<br>Three orders.     | { 1. Eucrinoidea =<br>Crinoidea, <i>sensu. str.</i><br>2. Cystoidea.<br>3. Blastoidea. |

## PELMATOZOA.

*Definition.*—Echinoderms which are fixed either permanently or temporarily by the middle of the aboral surface. A jointed stem containing a neuro-vascular axis is usually present, but may be lost when maturity is reached ; or, in the case of a few sessile forms,