

Lithostrobilus cornutus, Haeckel.
 „ *hexastichus*, Haeckel.
 „ *cyrtoceras*, Haeckel.
 „ *seriatus*, Haeckel.
 „ *quadratus*, Haeckel.
Artostrobilus articulatus, Haeckel.
Dictyomitra costata, Haeckel.
Stichocorys huschkei, Haeckel.
Lithomitra chrysalis, Haeckel.
 „ *nodosaria*, Haeckel.
 „ *infundibulum*, Haeckel.
Eucyrtidium hexagonatum, Haeckel.
 „ *hertwigii*, Haeckel.
 „ *teuscheri*, Haeckel.
 „ *stöhrii*, Haeckel.
 „ *doliolum*, Haeckel.
 „ *bütschlii*, Haeckel.
 „ *galathea*, Haeckel.
 „ *conostoma*, Haeckel.
Eusyringium cannostoma, Haeckel.
 „ *conosiphon*, Haeckel.
Lithocampe ovata, Haeckel.
 „ *fusiformis*, Haeckel.
 „ *hexacola*, Haeckel.
Spirocyrtis scalaris, Haeckel.
 „ *hemispira*, Haeckel.
 „ *merospira*, Haeckel.
Spirocampe polyspira, Haeckel.
Cyrtocapsa colatractus, Haeckel.
 „ *chrysalidium*, Haeckel.

Stichocapsa pyriformis, Haeckel.
 „ *cylindrica*, Haeckel.

III. PHAEODARIA.

Dictyocha triommata, Ehrenberg.
Distephanus pentasterias, Haeckel.
Aulospathis variabilis, Haeckel.
Sagosphaera coronilla, Haeckel.
Aulosphaera dendrophora, Haeckel.
 „ *spinosa*, Haeckel.
Auloscena mirabilis, Haeckel.
Aulastrum polyceros, Haeckel.
Cannosphaera pacifica, Haeckel.
Challengeria bidens, Haeckel.
Challengeron monodon, Haeckel.
 „ *crossbiei*, Haeckel.
Cortinetta tripodiscus, Haeckel.
Polypetta tabulata, Haeckel.
Circoporus hexastylus, Haeckel.
Haeckeliana murrayana, Haeckel.
Conchidium terebratula, Haeckel.
Conchonia triodon, Haeckel.
Conchopsis lenticula, Haeckel.
Cælodendrum serratum, Haeckel.
Cælothamnus maximus, Haeckel.
Cælographis sagittella, Haeckel.
Cælospathis octostyla, Haeckel.
Cælagalma mirabile, Haeckel.

DIATOMACEÆ.—The following species were observed by Mr. Comber.

Nitzschia marina, Grunow.
Thalassiothrix longissima, Grunow.
Synedra doliolus, Wallich.
Actinocyclus punctulatus, Castracane.
 „ *denticulatus*, Castracane.
 „ *elongatus*, Grunow (= *Coscinodiscus humilis*, Rattray, = *Willemoesia* Castracane).
Asterolampra marylandica, Ehrenberg.
Asteromphalus elegans, Greville.
 „ *stellatus*, Ralfs.
 „ *imbricatus*, Wallich.
 „ *roperianus*, Ralfs.
Coscinodiscus leptopus, Janisch.
 „ *excentricus*, Ehrenberg, var. *punctifera*, Grunow.

Coscinodiscus curvatus, Grunow, var. *recta*, Rattray.
 „ *concinus*, Smith.
 „ *fimbriatus*, Ehrenberg.
 „ *obscurus*, A. Schmidt.
 „ *nodulifer*, Janisch.
 „ *africanus*, Janisch.
 „ sp. (?).
Ethmodiscus sp. (?).
Roperia tessellatus, Grunow.
Triceratium flexuosum, Greville.
Hemidiscus cuneiformis, Wallich.
Rhizosolenia styliiformis, Brightwell.
Bacteriastrum spirillum, Castracane.