

<i>Hemidiscus cuneiformis</i> , Wallich.	<i>Gomphonema geminatum</i> , Agardh (fresh water).	STATION 250.
<i>Surirella fastuosa</i> , Ehrenberg.	<i>Nitzschia linearis</i> , W. Smith, var. <i>tenuis</i> , Grunow (?) (fresh water).	
<i>Pleurosigma strigosum</i> , W. Smith.	<i>Navicula (Pinnularia) oblonga</i> , Kutzing (fresh water).	
<i>Synedra ulna</i> , Ehrenberg, var. (fresh-water).	<i>Thalassiothrix frauenfeldii</i> , Grunow, var. <i>javanica</i> , Grunow.	
„ ( <i>Ardissonia</i> ) <i>baculus</i> , Gregory.	„ <i>elongata</i> , Grunow.	
„ <i>affinis</i> , Kutzing, var. <i>hybrida</i> , Grunow, forma <i>elongata</i> .	„ <i>longissima</i> , Grunow.	
„ <i>fulgens</i> , W. Smith, var. (near <i>dalmatica</i> , but with less pronounced terminal swellings).		

**Surface Organisms.**—The following species are recorded from the surface and deep tow-nets attached to the trawl at this Station :—

ORGANISMS FROM  
SURFACE-NETS.

RADIOLARIA (Haeckel, Zool. pt. 40).

<i>Liosphæra peridromium</i> , Haeckel.	<i>Sethoconus trochus</i> , Haeckel.
<i>Thecosphæra capillacea</i> , Haeckel.	<i>Theocampe cryptoprora</i> , Haeckel.
<i>Plegmosphæra pachypila</i> , Haeckel.	<i>Aulacantha spinosa</i> , Haeckel.
<i>Siphonosphæra pipetta</i> , Haeckel.	<i>Auloceros furcosus</i> , Haeckel.
<i>Stylosphæra nana</i> , Haeckel.	<i>Challengeria bromleyi</i> , Haeckel.
<i>Lychnaspis capillaris</i> , Haeckel.	<i>Castanissa hoylei</i> , Haeckel.
<i>Dictyophimus cienkowskii</i> , Haeckel.	<i>Conchidium rhynchonella</i> , Haeckel.

In addition, the following are recorded in the note-books :—*Peridinium (Ceratum) tripos*, *Globigerina bulloides*, *Orbulina*, *Pulvinulina*, *Sagitta*, *Tomopteris*, *Cypridina*, Copepods, Dohrn's Zoëa, *Oxycephalus*, *Euphausia*, *Atlanta*, *Cardiopoda*, *Oxygyrus*, *Hyalæa* [= *Cavolinia*]. In the tow-nets attached to the trawl, which must have been dragged for some time at a depth of from 300 to 600 fathoms, there were numerous specimens of Challengeridæ, Tuscaroridæ, Concharidæ, and Aulosphæridæ, all with a dark coloured phæodium, but none of these organisms were observed in the tow-nets dragged within 30 fathoms from the surface.

**Station 251** (Sounding 393), Yokohama to Sandwich Islands (see Chart 36 and STATION 251. Diagram 18).

July 10, 1875 ; lat. 37° 37' N., long. 163° 26' W.

Temperature of air at noon, 66°·3 ; mean for the day, 64°·7.