

Moseley found that the colouring matter of *Stephanotrochus diadema* gave three absorption bands, solution in sulphuric acid two bands. STATION 78.

The following species of Pteropoda, Heteropoda, Foraminifera, and Diatoms were observed in the deposit from this Station (see also Murray and Renard, Deep-Sea Deposits Chall. Exp.):— ORGANISMS FROM THE DEPOSIT.

PTEROPODA (Pelseneer, Zool. pt. 65).

<i>Limacina inflata</i> (d'Orbigny).	<i>Clio pyramidata</i> , Linné.
„ <i>triacantha</i> (Fischer).	„ <i>cuspidata</i> (Bosc).
„ <i>helicoïdes</i> , Jeffreys.	<i>Cuvierina columnella</i> (Rang).
<i>Peraclis reticulata</i> (d'Orbigny).	<i>Cavolinia trispinosa</i> (Lesueur).
„ <i>bispinosa</i> , n.sp.	„ <i>quadridentata</i> (Lesueur).
<i>Clio (Creseis) acicula</i> (Rang).	„ <i>longirostris</i> (Lesueur).
„ (<i>Hyalocylis</i>) <i>striata</i> (Rang).	„ <i>gibbosa</i> (Rang).
„ (<i>Styliola</i>) <i>subula</i> (Quoy and Gaimard).	„ <i>tridentata</i> (Forskål).
„ <i>polita</i> (Craven, MS.).	„ <i>inflexa</i> (Lesueur).

HETEROPODA (Smith, Zool. pt. 72).

<i>Atlanta peronii</i> , Lesueur.	<i>Atlanta souleyeti</i> , Smith.
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FORAMINIFERA (Brady, Zool. pt. 22).—The pelagic species, which make up about 39 per cent. of the carbonate of lime present in the deposit, are marked thus × :—

<i>Biloculina bulloides</i> , d'Orbigny.	<i>Rhizammina algæformis</i> , Brady.
„ <i>depressa</i> , d'Orbigny.	<i>Reophax adunca</i> , Brady.
„ <i>ringens</i> (Lamarek).	„ <i>dentaliniformis</i> , Brady.
„ <i>sphæra</i> , d'Orbigny.	„ <i>pilulifera</i> , Brady.
<i>Spiroloculina arenaria</i> , Brady.	„ <i>scorpiurus</i> , Montfort.
„ <i>limbata</i> , d'Orbigny.	<i>Haplophragmium canariense</i> (d'Orbigny).
<i>Miliolina auberiana</i> (d'Orbigny).	„ <i>globigeriniformis</i> (Parker and Jones).
„ <i>seminulum</i> (Linné).	„ <i>latidorsatum</i> (Bornemann).
„ <i>tricarinata</i> (d'Orbigny).	„ <i>rotulatum</i> , Brady (?).
„ <i>trigonula</i> (Lamarek).	„ <i>tenuimargo</i> , Brady (?).
<i>Ophthalmidium inconstans</i> , Brady.	<i>Placopsilina vesicularis</i> , Brady (?).
<i>Planispirina celata</i> (Costa).	<i>Thurammina papillata</i> , Brady.
„ <i>contraria</i> (d'Orbigny).	<i>Hormosina carpenteri</i> , Brady.
<i>Cornuspira foliacea</i> (Philippi).	<i>Trochammina lituiformis</i> , Brady.
<i>Astrorhiza angulosa</i> , Brady.	„ <i>pauciloculata</i> , Brady.
„ <i>granulosa</i> , Brady.	<i>Textularia agglutinans</i> , d'Orbigny.
<i>Storthosphæra confusa</i> , Brady (?).	„ <i>quadrilatera</i> , Schwager.
„ sp. (?).	<i>Verneuilina propinqua</i> , Brady.
<i>Psammosphæra fusca</i> , Schulze.	<i>Gaudryina pupoides</i> , d'Orbigny.
<i>Hyperammina ramosa</i> , Brady.	„ „ var. <i>chilostoma</i> , Reuss.
„ <i>vagans</i> , Brady.	„ <i>subrotundata</i> , Schwager (?).
<i>Rhabdammina abyssorum</i> , Sars.	<i>Bulimina buchiana</i> , d'Orbigny.
„ <i>discreta</i> , Brady.	„ <i>inflata</i> , Seguenza.