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| <p><i>Nematoscelis rostrata</i>, n.g., n.sp. <i>Siriella gracilis</i>, Dana.</p> <p>MACRURA (Spence Bate, Zool. pt. 52).</p> <p><i>Sergestes corniculum</i>, Krøyer. „ <i>laviventralis</i>, n.sp. <i>Sciacaris telsonis</i>, n.g., n.sp. <i>Amphion</i> (Zoëæ).</p> | <p>HETEROPODA (Smith, Zool. pt. 72). <i>Carinaria cristata</i> (Linné).</p> <p>TUNICATA (Herdman, Zool. pt. 76). <i>Salpa runcinata-fusifformis</i>, Chamisso—Cuvier.</p> <p>FISHES (Günther, Zool. pt. 78). <i>Scopelus caninianus</i> (C.V.).</p> | <p>NEW GUINEA.</p> |
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In addition, the following are recorded in the note-books :—*Peridinium* (three species), *Pyrocystis*, Oscillatoriaceæ, Foraminifera (shore forms), Acanthometræ, Medusæ, *Cydippe*, Echinoderm larvæ (Pluteus, Brachiolaria), *Sagitta*, Annelid larvæ, Dendrocœlous Planarian larvæ, small Isopods (young of *Praniza*), larvæ of *Cymbulia*, *Styliola*, *Appendicularia*, and small fishes.

February 25 to 28, 1875.

Surface Organisms.—The following are recorded in the note-books from the surface on these dates between New Guinea and Station 218 :—Oscillatoriaceæ, *Pyrocystis*, *fusifformis* and *Pyrocystis noctiluca*, *Peridinium* (*tripos* and two other species), *Rhizosolenia*, *Ethmodiscus*, and other Diatoms, *Globigerina* and *Orbulina* (in both of which protoplasmic movements were under observation for a considerable time), Acanthometræ, Polycystinæ, Thalassicollidæ, *Tintinnus* and other ciliate Infusorians, Semper's Cœlenterate larva, Medusæ, *Diphyes* and other Siphonophoræ, *Cydippe*, Echinoderm larvæ (Bipinnaria, Pluteus, and Holothurid larvæ), *Sagitta*, Planarian larvæ (*Eurylepta* ?), Annelids and tubicolous larvæ. Tornaria, Sipunculid larvæ, *Caligus*, *Pontella*, *Saphirina*, *Corycæus*, *Copilia*, *Setella*, *Calanus*, *Hyperia*, *Phronimella*, *Euphausia*, *Sergestes* larvæ (*Elaphocaris*), *Amphion*, *Lucifer*, Zoëæ and Megalopæ of crabs, *Halobates*, *Firoloida*, *Atlanta*, *Macgillivraya*, *Cavolinia*, *Styliola*, *Limacina*, small Cephalopod (*Gonatus* ?), *Appendicularia*, *Doliolum*, small fishes, young *Amphioxus*, and a much mutilated Scopelid between three and four inches long. A little phosphorescence was observed at night, and logs of wood with crabs, as well as *Coryphæna*, were observed, and a small *Chætodon* was seen swimming about the screw.

Station 218 (Sounding 356), New Guinea to Admiralty Islands (see Chart 31 and **STATION 218**. Diagram 15).

March 1, 1875 ; lat. 2° 33' S., long. 144° 4' E.

Temperature of air at noon, 83°·8 ; mean for the day, 81°·4.

(SUMMARY OF RESULTS CHALL. EXP.—1893).