

1500 fathoms. The carbonic acid was determined in bottom water, and amounted to 55.0 milligrammes per litre. At 9.30 A.M. completed observations and made all plain sail. *Diomedea exulans*, *Diomedea melanophrys* (?), *Procellaria capensis*, mutton birds, two kinds of black petrels, and *Prion turtur* (?), were seen.

Valparaiso distant at noon, 2983 miles. Made good 77 miles. Amount of current 17 miles, direction S. 19° W.

Surface Organisms.—The following species are recorded from the surface in the vicinity of this Station:—

ORGANISMS FROM
SURFACE-NETS.

RADIOLARIA (Haeckel, Zool. pt. 40).

Lampocanthium tetractinium, Haeckel.
Rhaphidozoum asperum, Haeckel.
Cenosphaera mellifica, Haeckel.
Thecosphaera micropora, Haeckel.
Pharyngosphaera stomodæa, Haeckel (?).
Siphonosphaera chonophora, Haeckel.
Hexaloucharium hystricinum, Haeckel.
Cubaxonium spongiosum, Haeckel.
Acanthosphaera micropora, Haeckel.
Coscinomma endosiphon, Haeckel.
Diplosphaera polygonalis, Haeckel.
Octodendron araucaria, Haeckel.
Cypassis palliata, Haeckel.
Selhodiscus microporus, Haeckel.
Heliodrymus ramosus, Haeckel.
Archidiscus trithalamus, Haeckel.
Myelastrum ciliatum, Haeckel.
Pentalastrum cometa, Haeckel.
Spongaster cruciatus, Haeckel.
Larcidium dodecanthum, Haeckel.
Dizonium ellipticum, Haeckel.
Octopyle octostyle, Haeckel.

Tholostaurus tetrabelonis, Haeckel.
Staurolithonium octodoronium, Haeckel.
Tholospira spinosa, Haeckel.
Astrolophus stellaris, Haeckel.
Actinastrum legitimum, Haeckel.
Acanthonia concava, Haeckel.
Xiphacantha platyptera, Haeckel.
Xiphoptera icosactena, Haeckel.
Amphilonche lancetta, Haeckel.
Phractaspis condylophora, Haeckel.
Dorataspis macrocantha, Haeckel.
Tessaraspis tetragonalis, Haeckel.
Thoracaspis circopora, Haeckel.
Hexaconus serratus, Haeckel.
Hexacolpus trypanon, Haeckel.
Plagonium distriactis, Haeckel.
Sethoconus virgultus, Haeckel.
Pterocorys prismatica, Haeckel.
Stichopterium dictyopodium, Haeckel.
Aulodendron australe, Haeckel.
Gazelletta bifurca, Haeckel.

SIPHONOPHORÆ (Haeckel, Zool. pt. 77).

Discalia medusina, n.sp.
Athoria bractealis, n.sp.
Strobalia conifera, n.sp.
Cystalia monogastrica, n.sp.

Pleuromma abdominale (Lubbock).
Heterochæta spinifrons, Claus.
Leuckartia flavicornis, Claus (?).
Euchæta (?) *philippii*, n.sp.
Centropages violaceus (Claus).
Miracia efferrata, Dana.
Lubbockia squillimana, Claus.

COPEPODA (Brady, Zool. pt. 23).

Calanus valgus, n.sp.
 ,, *propinquus*, n.sp.
 ,, *tonsus*, n.sp.
Hemicalanus longicornis, Claus.

AMPHIPODA (Stebbing, Zool. pt. 67).

Phorcorrhaphis zamboangæ, n.sp.
Eupronoë minuta, Claus.