Residue.				Additional Observations.	
Per cent.	Siliceous Organisms.	Minerals.	Fine Washings.		
84·22	(1·00 %), a few spicules of Radiolaria.	(1·00 %), m. di. 0·07 mm., angular; sanidine, magnetite, augite, pumice, a few grains of manganese.	(82·22 %), amorphous matter, minute fragments of minerals and Radiolaria.	The small fragments of quartz covered with limonite, believed to be wind-borne, which are very common in the soundings on, and to the east side of, the Dolphin Ridge, are, apparently, quite absent in this and the following soundings on the western side.	Tenerife to Sombrero Island—*continued.*
98·51	(1·00 %), Radiolaria.	(1·00 %), m. di. 0·07 mm., angular; fragments of sanidine, augite, magnetite, glassy volcanic particles, a few manganese grains.	(96·51 %), amorphous matter, fine mineral particles, and broken pieces of Radiolaria.	No effervescence was observed on treating a portion with dilute acid, and only one or two fragments of pelagic Foraminifera were observed on microscopic examination.	
96·50	(1·00 %), Sponge spicules, Radiolaria, *Haplophragmium*.	(1·00 %), m. di. 0·10 mm., angular; felspar, magnetite, augite, lapilli, fragments of pumice.	(94·50 %), amorphous matter, many minute mineral particles, and fragments of siliceous organisms.	The dredge brought up a large quantity of the Red Clay. On passing this through fine sieves many small worm tubes (*Myriochele*) were found. These were composed of the minute mineral particles mentioned and Sponge and Radiolarian spicules; many of the tubes contained living worms. Some of the volcanic particles are partially transformed into zeolitic matter.	
97·56	(1·00 %), Radiolaria, Sponge spicules, *Haplophragmium*.	(3·00 %), m. di. 0·10 mm., angular; felspar, augite, hornblende, magnetite, lapilli, glassy volcanic particles.	(93·56 %), amorphous matter, minute mineral particles, fragments of siliceous organisms.	The calcareous organisms are much decomposed and broken up.	
19·31	(2·00 %), Sponge spicules, Radiolaria, imperfect red and brown casts of Foraminifera, *Haplophragmium*.	(2·00 %), m. di. 0·07 mm., angular; monoclinic and triclinic felspars, magnetite, augite, hornblende, black mica, lapilli.	(15·31 %), amorphous matter, minute fragments of minerals and siliceous organisms.	Most of the finer particles in the deposit appear to be fragments of Pteropods and other pelagic Molluscan shells. In this respect it differs very considerably from a true Globigerina Ooze where the finer particles can be observed to be formed chiefly of Coccoliths, Rhabdoliths, and the smaller fragments of Globigerinidæ. Very few of the Pteropods are perfect. Many of the organisms are macroscopic.	
15·73	(2·00 %), Radiolaria, Sponge spicules, Astrorhizidæ, Lituolidæ.	(2·00 %), m. di. 0·07 mm., angular; sanidine, augite, plagioclase, magnetite, lapilli, hornblende, a few glassy volcanic fragments.	(11·73 %), amorphous matter, minute mineral and siliceous remains.	The finer portions of the calcareous material appear to be composed chiefly of fragments of Pteropods and other pelagic Mollusca. Coccoliths and Rhabdoliths are present but rare. A large number of the organisms are macroscopic. A large quantity of the deposit and a large number of animals belonging to all the invertebrate groups were obtained in the dredgings at these depths.	Off Sombrero Island.
26·12	(2·00 %), Radiolaria, Sponge spicules, Astrorhizidæ, Lituolidæ, imperfect brown casts.	(1·00 %), m. di. 0·08 mm., angular; quartz, felspar, augite, magnetite, mica, hornblende.	(23·12 %), red amorphous matter, fine mineral particles, fragments of siliceous organisms.	The washings procured by passing the ooze through fine sieves are composed almost entirely of Pteropod and Heteropod shells, and a large part of the finer portions of the ooze seems to be made up of the comminuted fragments of the shells of these pelagic Mollusca. The Coccoliths and Rhabdoliths are small and rare. Many of the organisms are macroscopic. Three hauls were taken with the dredge on this date, and yielded a large quantity of the deposit and many animals.	St. Thomas to Bermuda.
31·12	(1·00 %), Sponge spicules, and imperfect brown casts.	(1·00 %), m. di. 0·10 mm., angular; sanidine, plagioclase, hornblende, augite, magnetite, mica.	(29·12 %), amorphous matter, minute mineral particles, a few fragments of Sponge spicules.		