See Charts 27, 28, 29, and 30, and Diagrams 12 and 13.

	Number of Station.	Date.	Position.	Depth in Fathoms.	Temperature of the Sea-water (Fahr.). Bottom	Temperature of the Sea-water (Fahr.). Surface	Designation and Physical Characters.	Carbonate of Calcium. Per cent.	Foraminifera.	Other Organisms.
Off Tongatabu—*continued.*		1874	° ′ ″		°	°				
	*172A	July 22	20 56 0 S. 175 11 0 W.	240	...	75·0	CORAL SAND, yellow-grey, slightly coherent when dry, fine grained. **Residue** light yellow-brown.	86·44	(25·00 %), Globigerinidæ, *Pulvinulina*. (35·00 %), Miliolidæ, Textularidæ, Lagenidæ, Rotalidæ.	(26·44%), Otoliths of fish, Gasteropods, Lamellibranchs, Pteropods, Echinoderm fragments, Polyzoa, Coral fragments, Alcyonarian spicules, calcareous Algæ, a few Coccoliths.
Off Fiji Islands.	173	,, 24	19 9 35 S. 179 41 50 E.	315	...	76·0	CORAL MUDS.	...	...	...
	173A	,, 24	19 9 32 S. 179 41 55 E.	310	...	77·0				
		,, 29	Off Levuka.	12	...	...	CORAL SAND, coarse, chiefly composed of large white and yellow *Orbitolites* and other Foraminifera. **Residue** yellow-brown.	90·30	(50·00 %), Miliolidæ, Textularidæ, Nummulinidæ.	(40·30 %), *Serpula*, Gasteropods, Lamellibranchs, Pteropods, Ostracodes, carapace and other parts of Crustaceans, fragments of Echinoderms, Alcyonarian spicules, Polyzoa, Corals, calcareous Algæ.
	174	Aug. 3	19 6 0 S. 178 14 20 E.	140	...	77·0	CORAL MUD, cream-white with rose tinge, slightly coherent, fine grained, presenting no macroscopic elements. **Residue** yellow-brown.	86·41	(25·00 %), Globigerinidæ, *Pulvinulina*. (35·00 %), Miliolidæ, Textularidæ, Lagenidæ.	(26·41 %), Otoliths of fish, Gasteropods, Lamellibranchs, Pteropods, Ostracodes, Echinoderm fragments, Polyzoa, Coral fragments, calcareous Algæ, a few Coccoliths.
	174A	,, 3	19 6 32 S. 178 16 20 E.	160	...	77·0	CORAL MUD.	...	...	...
	174B	,, 3	19 6 45 S. 178 17 0 E.	255	...	77·7	CORAL MUD, cream-white with rose tinge, slightly coherent, fine grained, presenting no macroscopic elements. **Residue** yellow-brown.	86·31	(25·00 %), Globigerinidæ, *Pulvinulina*. (35·00%), Miliolidæ, Textularidæ, Lagenidæ.	(26·31 %), Otoliths of fish, Gasteropods, Lamellibranchs, Pteropods, Ostracodes, Echinoderm fragments, Polyzoa, Coral fragments, calcareous Algæ, a few Coccoliths.
	†174C	,, 3	19 7 50 S. 178 19 35 E.	610	39·0	78·0	GLOBIGERINA OOZE, with rosy tinge, fine grained, plastic when wet, pulverulent when dry. **Residue** light brown.	79·65	(40·00 %), Globigerinidæ, *Pulvinulina*. (10·00%), Miliolidæ, Textularidæ.	(29·65 %), Otoliths of fish, Gasteropods, Lamellibranchs, Pteropods, Heteropods, Echini spines, fragments of Corals, Coccoliths, Rhabdoliths.
	174D	,, 3	19 5 50 S. 178 16 20 E.	210	...	77·7	CORAL MUD, cream coloured, slightly coherent, fine grained. **Residue** brown.	86·97	(10·00 %) Globigerinidæ, *Pulvinulina*. (40·00 %), Miliolidæ, Textularidæ, Lagenidæ, Rotalidæ, Nummulinidæ.	(36·97 %), Otoliths of fish, *Serpula*, Gasteropods, Lamellibranchs, Pteropods, Heteropods, Ostracodes, Echinoderm fragments, Polyzoa, Coral fragments, Alcyonarian spicules, calcareous Algæ, Coccoliths.
Fiji Islands to New Hebrides.	‡175	,, 12	19 2 0 S. 177 10 0 E.	1350	36·0	77·5	GLOBIGERINA OOZE, with much clayey matter, red when wet, red-brown when dry, coherent, earthy. **Residue** chocolate coloured.	44·43	(35·00 %), Globigerinidæ, *Pulvinulina*. (2·00 %), Miliolidæ, Textularidæ, Lagenidæ, Rotalidæ, Nummulinidæ.	(7·43 %), Otoliths and small teeth of fish, Ostracode shells, Echini spines, Coccoliths, Rhabdoliths. It is remarkable that no shells of Pteropods, Heteropods, or other pelagic Molluses, are found in this deposit, although they were apparently more abundant than the Globigerinidæ in the surface water.

* See Pl. XIV. fig. 1. † See Pl. XIV. figs. 3*a*, 3*b*. ‡ See Pl. XIV. figs. 4*a*, 4*b*.