See Charts 26 and 27, and Diagram 11.

	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 Sydney—*continued.*	164	1874 June 12	° ′ ″ 34 8 0 S. 152 0 0 E.	950	° 36·5	° 69·5	GREEN MUD, grey-green when wet, coherent, granular, earthy. **Residue** green.	48·15	(35·00 %), Globigerinidæ, *Pulvinulina*. (2·00 %), Miliolidæ, Textularidæ, Lagenidæ, Rotalidæ, Nummulinidæ.	(11·15 %), Otoliths of fish, fragments of Lamellibranch shells, Ostracodes, Echinoderm fragments, Coccoliths, Coccospheres, Rhabdoliths.
	164A	,, 13	34 9 0 S. 151 55 0 E.	1200	...	70·2	GREEN MUD, grey-green, granular, slightly coherent. **Residue** green.	46·59	(35·00 %), Globigerinidæ, *Pulvinulina*. (2·00 %), Miliolidæ, Textularidæ, Lagenidæ, Rotalidæ, Nummulinidæ.	(9·59 %), fragments of Pteropods, Ostracodes, Echini spines, Coccoliths, Rhabdoliths.
	*164B	,, 13	34 13 0 S. 151 38 0 E.	410	...	69·0	GREEN MUD, green when wet, greenish grey when dry, pulverulent. **Residue** green.	50·31	(35·00 %), Globigerinidæ, *Pulvinulina*. (5·00 %), Miliolidæ, Textularidæ, Lagenidæ, Rotalidæ, Nummulinidæ.	(10·31 %), Otoliths of fish, *Serpula*, *Dentalium*, Gasteropods, Lamellibranchs, Pteropods, Ostracodes, Echinoderm fragments, Polyzoa, Corals, Coccoliths, Rhabdoliths.
	165	,, 17	34 50 0 S. 155 28 0 E.	2600	34·5	64·5	RED CLAY, plastic, homogeneous, drying into hard lumps, lustrous streak, breaking up with difficulty in water. **Residue** red-brown.	6·54	(2·00 %), Globigerinidæ, *Pulvinulina*. (3·00 %), *Miliolina*, Lagenidæ, Rotalidæ, Nummulinidæ.	(1·54 %), Teeth of fish, Echini spines, Coccoliths.
	†165A	,, 19	36 41 0 S. 158 29 0 E.	2600	34·4	62·5	RED CLAY, homogeneous, plastic, drying into lumps, which break up with difficulty in water, lustrous streak. **Residue** red.	19·13	(10·00 %), Globigerinidæ, *Pulvinulina*. (3·00 %), Miliolidæ, Lagenidæ, Rotalidæ.	(6·13 %), a few small teeth of fish, Ostracodes, Echini spines, fragments of Polyzoa, Coccoliths, a few Rhabdoliths.
Sydney to New Zealand.	165B	,, 21	37 53 0 S. 163 18 0 E.	1975	34·7	59·5	GLOBIGERINA OOZE, white with rose tinge, slightly coherent, chalky. **Residue** grey-white.	76·59	(65·00 %), Globigerinidæ, *Pulvinulina*. (1·00 %), Miliolidæ, Textularidæ, Lagenidæ, Rotalidæ, Nummulinidæ.	(10·59 %), Otoliths of fish, Echini spines, Coccoliths, Coccospheres, Rhabdoliths.
	165C	,, 22	38 36 0 S. 166 36 0 E.	1100	36·4	58·2	GLOBIGERINA OOZE, white, fine grained, giving an almost impalpable powder, very slightly coherent, chalky. **Residue** red-brown.	84·89	(75·00 %), Globigerinidæ, *Pulvinulina*. (1·00 %), Miliolidæ, Textularidæ, Lagenidæ, Rotalidæ, Nummulinidæ.	(8·89 %), Ostracodes, Echini spines, Coccoliths, Rhabdoliths.
	‡166	,, 23	38 50 0 S. 169 20 0 E.	275	50·8	58·5	GLOBIGERINA OOZE.	88·45	Miliolidæ, Textularidæ, Lagenidæ, Globigerinidæ, Rotalidæ.	Fragments of Pteropods, Gasteropods, and Lamellibranchs, Ostracodes, Echinoderm fragments, Coccoliths, Coccospheres, Rhabdoliths.
	166B	,, 23	39 8 0 S. 170 43 0 E.	400	...	58·5	GLOBIGERINA OOZES, dirty white, granular, very slightly coherent, soiling the fingers. **Residues** dirty white.	82·20	(50·00 %), Globigerinidæ, *Pulvinulina*. (5·00 %), Miliolidæ, Textularidæ, Lagenidæ, Rotalidæ.	(27·20 %), fragments of Gasteropods and Lamellibranchs, Ostracodes, Echini spines, Coccoliths, Coccospheres, Rhabdoliths.
	166C	,, 24	39 21 0 S. 171 28 0 E.	400	...	58·0				

* See anal. 67, 84, 85, 86, 87; Pl. XXIV. fig. 2; Pl. XXV. fig. 1. † See Pl. XXVI. fig. 3. ‡ See Pl. XI. fig. 3.