

No. 14.—Station XVII. Lat. $20^{\circ} 7' N.$, Long. $52^{\circ} 32' W.$ Depth, 2385 fathoms. Bottom temperature, $1^{\circ} \cdot 9 C.$ Chemical composition :

Loss on ignition after drying at $230^{\circ} F.$	6.84
Portion soluble in hydrochloric acid = 83.44.	{ Alumina..... 2.69
	{ Ferric oxide..... 9.05
	{ Calcium phosphate..... 1.74
	{ Calcium sulphate..... 0.81
	{ Calcium carbonate..... 58.40
	{ Magnesium carbonate..... 0.68
Portion insoluble in hydrochloric acid = 9.72.	{ Silica..... 10.07
	{ Insoluble residue, principally alumina and ferric oxide, with silica..... 9.72
	100.00

A red clay, containing amorphous clayey matter, with oxide of iron, and many small particles of sanidine, augite, magnetite, and quartz; a few grains of manganese peroxide.—Many pelagic foraminifera of the genera *Globigerina*, *Pulvinulina*, *Sphaeroidina*, etc.; coccoliths and rhabdoliths.

No. 15.—Station XVIII. March 10th. Lat. $19^{\circ} 41' N.$, Long. $55^{\circ} 13' W.$ Depth, 2675 fathoms. Bottom temperature, $1^{\circ} \cdot 6 C.$ Chemical composition :

Loss on ignition after drying at $230^{\circ} F.$	7.75
Portion soluble in hydrochloric acid = 60.00.	{ Alumina..... 8.25
	{ Ferric oxide..... 11.37
	{ Calcium phosphate..... 0.42
	{ Calcium sulphate..... 0.52
	{ Calcium carbonate..... 15.78
	{ Magnesium carbonate..... 1.41
Portion insoluble in hydrochloric acid = 32.25.	{ Silica..... 22.25
	{ Alumina..... 7.00
	{ Ferric oxide..... 2.50
	{ Lime..... 0.57
	{ Magnesia..... 0.38
	21.80
	100.00

A red clay, containing amorphous clayey matter, and small particles of augite, feldspar, hornblende, and magnetite; a few grains of manganese peroxide.—A few broken tests of pelagic foraminifera, coccoliths, and rhabdoliths.

No. 16.—Station XIX. March 11th. Lat. $19^{\circ} 15' N.$, Long. $57^{\circ} 47'$