

umbonate forms and those in which the umbilical depressions are filled with clear shell-substance, that portion of the test is traversed by straight vertical canals. The openings of the canals, excepting those of the umbilical region last referred to, are seldom conspicuous on the exterior. They exist, however, in the form of single or double rows of pores upon the septal lines, and are best seen in the smooth-shelled species, like *Polystomella arctica* (Pl. CX. figs. 2-5).

The distribution of the genus *Polystomella*, whether geographical or geological, corresponds closely with that of *Nonionina*; but though the feebler varieties are occasionally met with in deep water, it belongs essentially to a shallower zone of the ocean. It also appears to reach back to an earlier geological period, having recently been found by Dr. Uhlig in formations of Middle Jurassic age.

*Polystomella striatopunctata*, Fichtel and Moll, sp. (Pl. CIX. figs. 22, 23).

- Nautilus striatopunctatus*, Fichtel and Moll, 1803, Test. Micr., p. 61, pl. ix. figs. a-c.  
*Polystomella poeyana*, d'Orbigny, 1839, Foram. Cuba, p. 75, pl. vi. figs. 25, 26.  
 „ *articulata*, Id. 1839, Foram. Amér. Mérid., p. 30, pl. iii. figs. 9, 10.  
*Geoponus stella-borealis*, Ehrenberg, 1839, Abhandl. d. k. Akad. Wiss. Berlin, p. 132, pl. i. figs. a-g.  
*Polystomella hauerina*, d'Orbigny, 1846, For. Foss. Vien., p. 122, pl. vi. figs. 1, 2.  
 „ *rugosa*, Id. Ibid. p. 123, pl. vi. figs. 3, 4.  
 „ *obtusa*, Id. Ibid. p. 123, pl. vi. figs. 5, 6.  
 „ *antonina*, Id. Ibid. p. 128, pl. vi. figs. 17, 18.  
 „ *listeri*, Id. Ibid. p. 128, pl. vi. figs. 19-22.  
 „ *stella-borealis*, Schultze, 1854, Organ. Polythal., p. 67, pl. vi. figs. 5, 6.  
 „ *gibba*, Id. Ibid. p. 66, pl. vi. figs. 1-4.  
 „ *venusta*, Id. Ibid. p. 67, pl. vi. figs. 7-9.  
*Nonionina heteropora*, Egger, 1857, Neues Jahrb. für Min., &c., p. 300, pl. xiv. figs. 19-21.  
 „ *dense-punctata*, Id. Ibid. p. 299, pl. xiv. figs. 22, 23.  
*Polystomella subcarinata*, Id. Ibid. p. 301, pl. xiv. figs. 24, 25.  
 „ *angulata*, Id. Ibid. p. 302, pl. xv. figs. 5, 6.  
 „ *umbilicatula*, Williamson, 1858, Rec. For. Gt. Br., p. 42, pl. iii. figs. 81, 82.  
 „ „ var. *incerta*, Id. Ibid. p. 44, pl. iii. fig. 82, a.  
 „ *inflata*, Reuss, 1860, Sitzungsab. d. k. Ak. Wiss. Wien, vol. xlii. p. 358, pl. i. fig. 10, a, b.  
 „ *striatopunctata*, Parker and Jones, 1860, Ann. and Mag. Nat. Hist., ser. 3, vol. v. p. 103, No. 6.  
 „ *minuta*, Reuss, 1864, Sitzungsab. d. k. Ak. Wiss. Wien, vol. l. p. 478, pl. iv. fig. 6, a, b.  
 „ *discrepans*, Id. Ibid. p. 478, pl. iv. fig. 7, a, b.  
 „ *latidorsata*, Id., 1864, Denkschr. d. k. Akad. Wiss. Wien, vol. xxiii. p. 10, pl. i. fig. 16, a, b.  
 „ *crispa*, var. *striatopunctata*, Parker and Jones, 1865, Phil. Trans., vol. clv. p. 402, pl. xiv. figs. 31-34; pl. xvii. fig. 60, a, b.  
 „ *excavata*, Terquem, 1875, Anim. sur la Plage de Dunkerque, p. 25, pl. ii. fig. 2, a, f.  
 „ *umbilicatula*, Id. Ibid. p. 25, pl. ii. fig. 3, a, b.