

- Dentalina vetusta*, Terquem, 1858, Foram. du Lias, 1^{re} mém., p. 598, pl. ii. fig. 4.
legumen, Reuss, 1860, Sitzungsb. d. k. Ak. Wiss. Wien, vol. xl. p. 187, pl. iii. fig. 5.
 ,, *intermedia*, Id. Ibid. p. 186, pl. ii. fig. 8.
 ,, *communis*, Id. Ibid. p. 186.
 ,, ,, Parker and Jones, 1862, Introd. Foram., Appendix, p. 310.
 ,, *deflexa*, Reuss, 1862, Sitzungsb. d. k. Ak. Wiss. Wien, vol. xlvi. p. 43, pl. ii. fig. 19.
 ,, *inornata*, Id. 1863, Ibid. vol. xlvi. p. 45, pl. ii. fig. 18.
 ,, *boettcheri*, Id. Ibid. p. 44, pl. ii. fig. 17.
Nodosaria neugeboreni, Schwager, 1866, Novara-Exped., geol. Theil, vol. ii. p. 232, pl. vi. fig. 67.
 ,, *gracilescens*, Id. Ibid. p. 234, pl. vi. fig. 70.
Dentalina intorta, Terquem, 1870, Foram. du Syst. Oolith., 3^{me} mém., p. 262, pl. xxvii. figs. 26-34.
 ,, *badenensis*, Hantken, 1875, Mittheil. Jahrb. d. k. ung. geol. Anstalt, vol. iv. p. 34, pl. iii. fig. 12.

As already explained in the notes upon *Nodosaria farcimen*, the description and figure furnished by d'Orbigny, in his memoir on Foraminifera of the White Chalk of the Paris Basin, constitute the best basis for the present species (p. 499).

In the classification of the smooth-shelled Nodosarians into varietal or quasi-specific groups, by characters derived from the shape and mode of combination of the chambers, *Nodosaria communis* affords the best type of the slender arcuate forms with oblique segments. Besides the Cretaceous examples above referred to, good typical specimens of this sort are figured by d'Orbigny in the "Vienna Basin" monograph, as *Dentalina inornata* and *Dentalina badenensis*, and by Williamson as *Dentalina subarcuata*. The foregoing list of synonyms appears somewhat lengthy, but it might have been greatly increased without infringing the morphological limits of a moderately restricted varietal group.

Nodosaria communis has the same world-wide distribution as the closely allied *Nodosaria farcimen*, and a similar geological range.

Nodosaria (D.) roemeri, Neugeboren (Pl. LXIII. fig. 1).

- Dentalina roemeri*, Neugeboren, 1856, Denkschr. d. k. Akad. Wiss. Wien, vol. xii. p. 82, pl. ii. figs. 13-17.
Dentalina nana, Reuss, 1862, Sitzungsb. d. k. Ak. Wiss. Wien, vol. xlvi. p. 39, pl. ii. figs. 10, 18.
Nodosaria roemeri, Id., 1870, Ibid. vol. lxii. p. 475;—
 Schlicht, 1870, Foram. Pietzpuhl, pl. x. figs. 21, 22, 24.

This form occupies very much the same position amongst the curved *Nodosarie* with obliquely-set chambers, that *Nodosaria pauperata* holds amongst those with straight sutures. The test is short and stoutly built, cylindrical and slightly bent, and the primordial end is rounded. The earlier segments are close-fitting, and the septa are marked by oblique lines without external depressions; the later segments are more or