

by Mr. Billings and no good result can now come from urging the use of the name *Archæocyathus*, as originally proposed, it appears best to accept Dr. Hinde's generic name.

Nat. Mus. Cat. Invt. Foss., No. 14688.

***Coscinocyathus* BORNEMANN.**

See Zeitschr. d. deutsch. geol. Gesellsch., 1884, p. 704.

***Coscinocyathus billingsi* Walcott.**

Archæocyathus billingsi Walcott, 1886. See Bull. U. S. Geol. Survey, No. 30, p. 74.

By the subdivision of the genus *Archæocyathus* this species is referred to *Coscinocyathus*.

Nat. Mus. Cat. Invt. Foss., No. 15302.

***Archæocyathus* (A.) *dwighti* sp. nov.**

This species differs from *A. (A.) rensselaericus* in having in the outer wall a double row of pores and then a raised space upon which no pores have been detected. Interior structure unknown.

LOCALITIES.—Troy, N. Y., and near School-house No. 8, Greenwich, Washington County, New York.

Nat. Mus. Cat. Invt. Foss., No. 18352.

***Ethmophyllum meeki* sp. nov.**

This form differs from *E. whitneyi*, with which it is associated, in having stronger radiating septa, numerous dissepiments, and large pores in the outer wall.

LOCALITY.—Silver Peak, Nevada.

Nat. Mus. Cat. Invt. Foss., No. 18358.

TRAILS, BURROWS, AND TRACKS OF ANIMALS.

As far as known to me there are no true *Algæ* found in the rocks of the Lower Cambrian. That such forms existed, there can scarcely be any doubt, but, after a careful study of all the reported species, I think that they can be referred to trails of worms or mollusks with more propriety than to the *Algæ*.

***Planolites* NICHOLSON.**

Planolites Nicholson, 1873. Proc. Roy. Soc. London, p. 289.

***Planolites annularius* sp. nov.**

The cast of a burrowing worm that shows numerous annulations.

LOCALITY.—At the Reynolds Inn locality, of *Olenellus asaphoides*, one mile west of North Greenwich, Washington County, New York.

Nat. Mus. Cat. Invt. Foss., No. 18360.

***Planolites congregatus* BILLINGS.**

Palæophycus congregatus Billings, 1861. Bull. Geol. Survey Canada, p. 2.

This and the following species were referred to the *Algæ* by Mr. Billings. The reference may be correct, but the species impress me as