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A NEW FRESH-WATER SPONGE FROM NOVA SCOTIA.

The following description of this interesting discovery was given by Mr. E. Potts before the Philadelphia Academy of Natural Sciences, at its meetings of Febr. 24th, and was published in the "Proceedings" of that society.

HETEROMEYENIA PICTOVENSIS, n. sp.

Sponge light green, even when dry, massive, encrusting; texture very compact; Spicules non-fasciculated, persistent; surface mostly smooth.

Gemmules very scarce, spherical, crust thick.

Skeleton spicules cylindrical, short, robust, rounded or abruptly terminated; entirely spined, spines conical at the centre of the spicule, elsewhere generally curving *forward*, or towards each extremity. Rounded terminations of spicules covered with short spines, though frequently a single large spine or acute termination is seen at one or both extremities.

Dermal spicules absent or undiscovered.

Birotulates of the longer class surrounding the gemmules, rather numerous, one-half longer than the others; shafts conspicuously fusiform or largest at the centre, where are frequently found one or more long spines. Their rotules consist of three to six irregularly placed rays, recurved at the extremities.

Birotulates of the shorter class abundant and compactly placed around the gemmule; shafts mostly smooth, though sometimes bearing a single spine, irregularly cylindrical, but rapidly widening to support the rotules, which are large, umbonate, nearly flat, and finely lacinulate at their margins; occasionally bearing spines.

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