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## DESCRIPTION OF A NEW SPECIES OF AMMONITE, OF THE GENUS STEPHEOCERAS, FROM SOME ROCKS OF PRESUMABLY JURASSIC AGE IN THE NICOLA VALLEY, B. C.\*

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The generic name *Stepheoceras* was proposed by Mr. S. S. Buckman, in 1898,† for the Ammonites of the "Humphreysianus-group", which had previously been regarded as the most typical section of Waagen's genus *Stephanoceras*. But, as Mr. Buckman has pointed out, the latter name was "preoccupied ‡ when proposed by Waagen" in 1869, and "must lapse altogether on account of prior use". *Stepheoceras*, as its author is careful to say, is "only an alteration of the name *Stephanoceras*", and perhaps is not altogether free from objection on that account. Still, the genus itself seems to be quite a natural one, and as such is accepted as valid by Hyatt, in 1900, in his revision of the Ammonoidea in the first volume of Eastman's translation of Zittel's Text-book of Palæontology.

The type of *Stepheoceras*, which, so far as known, is an exclusively Jurassic genus, is the *Ammonites Humphreysianus* of Sowerby. In a well preserved specimen of that species, from Dundry, in the Museum of the Geological Survey of Canada, which is five inches and three-eighths in its maximum diameter, there are at least six rounded and slender whorls; the umbilicus is wide and open, exposing a considerable portion of each of the inner whorls, and the surface is marked with straight and transverse ribs, which trifurcate from a tubercle on the middle of each side.

In 1876 Dr. G. M. Dawson made a collection of fossils from

\* Communicated by permission of the Director of the Geological Survey of Canada.

† Quarterly Journal of the Geological Society of London, vol. LIV, p. 454.

‡ By Ehrenberg, in 1838, for a genus of Rotifera.