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DESCRIPTION OF A NEW GENUS AND SPECIES OF  
PHYLLOCARID CRUSTACEA FROM THE MIDDLE  
CAMBRIAN OF MOUNT STEPHEN, B.C.<sup>1</sup>

By J. F. WHITEAVES.

ANOMALOCARIS. (Gen. nov.)

Carapace and its appendages unknown or too obscurely indicated for their characters to be defined: body many jointed and consisting of not less than nine to thirteen segments, exclusive of the caudal segment; ventral portion of each of the body segments bearing a pair of slender, narrowly elongated and acutely pointed, simple and probably branchial appendages, of the nature of uropods or foot gills: posterior terminal segment margined with three pairs of caudal spines, one terminal and the other two lateral,—the posterior pair of uropods represented in the wood-cut apparently belonging to a pre-caudal segment whose posterior boundary has been obliterated.

<sup>1</sup> Communicated by permission of the Director of the Geological Survey of Canada.