

A short note on the discovery of Early Devonian tentaculite-bearing unit from Taunggyi-Taungchun range, Shan State (south), Myanmar

AYE KO AUNG

Department of Geology, University of Malaya, 50603, Kuala Lumpur, Malaysia
Email Address: akageol@um.edu.my

The Devonian limestone unit, which contains tentaculites, is reported for the first time from the Taunggyi town area, in Shan State (south). They occur in the narrow outcrop between the Linwe Formation of Silurian age and the Plateau Limestone Group of Permian to Triassic. The unit is stratigraphically measured 10.7m at the Taungchun section. The unit's lower part is dominated by thick-bedded limemudstone with occasional thin beds of fine sandstone. The tentaculites occur in purple, calcareous siltstone of the base of the section. In the upper part of the unit, features thicker and medium bedding and is composed chiefly of light to dark grey limemudstone.

The Taungchun tentaculites are small, 1.5-9mm in length, thin-shelled forms. There are two basic types, ringed and unringed of similar proportion. The Taungchun tentaculites are closely compared with those from the Mahang Formation of Kampong Pahit, Perak, northwest Malaya (Burton 1967a) in size range and shape and proportion of the constituted fauna. The Malaysian ringed tentaculites are also long, as much as 8mm and have wider space (3.6 to 5.8) rings in 1 mm, interspaces are wide and flat, fine longitudinal ribs numbering between 4 and 7 in 0.2 mm. The Malayan ringed tentaculites commonly proved to be closed to Lower Devonian *Nowakia acuaria* it is possible to correlate the beds with lower Emsian (middle part of Early Devonian. The Taungchun tentaculites might have close similarity to *Nowakia acuaria* of the Zebingyi Formation in Pyin Oo Lwin township described by Aye Ko Aung (in prep.) from Early Devonian (Pragian) Khin Zo chaung limestone Member of the Zebingyi Formation (Aye Ko Aung, 2008). The unit is correlatable with the Early Devonian Zebingyi Formation of Pyin Oo Lwin township, Mandalay Division and possible equivalents of the latter in the Shan State (south) are also stated.