

**Preliminary Notes of the Permian Fusulinids of  
H. S. LEE Mine No. 8 Limestone near  
Kampar, Perak, Malaya\***

(Notes on the Geology and Palaeontology of Malaya-VI)

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This limestone yields many fossils belonging to the Bivalvia, Gastropoda, Coelenterata, Porifera, Fusulinids etc. Mr. K. S. TOONG of the Geological Survey Malaya and Dr. D. J. GOBETT of the University of Malaya have been working on the limestone. The writer examined detailed biostratigraphic succession of fusulinids in this limestone.

The upper part of this limestone (loc. M25) is characterized by *Misellina claudiae* (DEPRAT) and the lower part (loc. M27) by *Pseudofusulina krafftii* (SCHELLWIEN). *M. claudiae* is not accompanied with *P. krafftii*. Therefore this limestone may be divided into two fusulinid zones, namely, the upper part is named the *Misellina claudiae* zone and the lower part the *Pseudofusulina krafftii* zone.

The predominance of the species of *Misellina* and *Pseudofusulina* such as *M. claudiae* and *P. krafftii* indicates that the both fusulinid zones of H. S. LEE Mine limestone are most probably correlated to the *M. claudiae* zone (the upper part of the Lower Permian) equal to the *Pseudofusulina ambigua* zone and *P. krafftii magna* zone in Japan (see KANMERA, 1963). Although *M. claudiae* is associated with *P. krafftii* in Japan, the former occurs dominantly in the upper part of the *M. claudiae* zone and the equivalent in Japan.

Recently J. S. SHENG (1963) reported the *Misellina* subzone (the lower subzone of the *Parafusulina* zone), which is characterized by *M. claudiae* and *P. krafftii*, from Kwangsi, Kueichow and Szechuan in China. In stratigraphical column of Zisongzheng Kueichow, *P. krafftii* appears earlier than *M. claudiae* in the same subzone.

Thus, the most part of H. S. LEE Mine limestone is dated as the upper part of the Lower Permian.

**References**

- KANMERA, K. (1963) : Fusulines of the Middle Permian Kozaki Formation of Southern Kyushu, *Mem. Fac. Sci., Kyushu Univ.*, ser. D. vol. 15, no. 2, p. 79-141, pls. 1-19.  
SHENG, J. C. (1963) : Permian Fusulinids of Kwangsi, Kueichow and Szechuan, *Paleont. Sinica*, N. S. 10, p. 1-115, 129-247, pls. 1-36.

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