

POLLEN ANALYSIS OF TAIWAN PLEISTOCENE (I)

—Chungking Section—

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TAIWANIA

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INTRODUCTION

Pollen analyses of Miocene and Pliocene in Taiwan have been carried out by several authors (Cheng & Hsiao, 1973; Huang & Sheng, 1975; Huang, 1976; Huang & Tsou, 1977; Huang & S. Y. Huang, 1978; Huang, 1980). The pollen analysis of Pliocene in this paper is the first pollen analysis of Pliocene pollen in Taiwan. The pollen analysis of Pliocene pollen in Taiwan is the first pollen analysis of Pliocene pollen in Taiwan.

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1. Materials

Nineteen samples of rock samples (nos. M-50) of the Pliocene of the Chungking of both along Hsueh River in Miaoli county were collected (Fig. 1) during 1974-1975. Representative pollen slides were made in 1976.

2. Methods

Preparation of compressed pollen slides follows that of Tsou, Iwano & Waterbolk (1969) as follows:

- (1) Remove the outer exposed part of weathering rock.
- (2) Crack rock into small pieces about 2.5cm diameter.
- (3) Place 10g small pieces of rock fragments into plastic beaker.
- (4) Add 40-50% HF for 2-4 days to remove silica.
- (5) Centrifuge with 1,500 rpm for 5 min and discard the supernatant suspension.
- (6) Add 10% HCl to remove calcium substance, then discard supernatant suspension.

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