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(1) Part time teacher (2) On leave of absence

PALaeoecOLOGICAL STUDY OF TAIWAN (I) - TOUSHE BASIN

SHU-YUE TRIANG¹⁾ and TSIUNG-CHIENG HUANG²⁾

TAIWANIA

Abstract: In order to investigate the environmental history, paleoclimatic changes and the paleogeographic evolution of the Tsucha Basin, the Tsucha Basin was selected as the study area.

From the sediments extending down to 12 m and through 11 m of thick sand, 40 samples were taken for this study. The pollenograpt were identified by classical methods, then permanent slides were prepared by staining with paraffin. Based on the examination of the permanent slides, a hypothesis for the paleogeographic history and past climate is proposed as follows:

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INTRODUCTION

Tsucha Basin, situated in Yuchih Hsiang of Nantou County, Taiwan, ROC, at longitude 121°25' East and latitude 23°07' North (Fig. 1), has been a lake since the Pleistocene, and now it is a plain belonging to the Fuli Basin Group. The Basin, 0.1 square kilometers in area and about 100m above sea level, is surrounded by mountains which are higher than 1000m (Fig. 1, Tsai, 1964).

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1. **Scope:** A manuscript should be an original research on any aspect of botanical science.
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