CONTENTS

Preface................................. Liu Tung-sheng

I. Quaternary Stratigraphy

Pleistocene Stratigraphy and Plio/Pleistocene Boundary in China ...... Liu Tung-sheng, Ding Meng-lin (1)

The Lower Boundary of the Continental Quaternary in Some Areas of China Based on Palynological Data.......................................................... (10)

......Song Zhi-chen, Liu Jing-ling, Tang Ling-yu

The Lower Boundary of the Quaternary in the Himalayan Region in China.................................................... (18)

.......................... Wang Fu-bao, Li Bing-yuan

Correlation of Quaternary Strata between Inland and Coastal Areas in North China..............Hu Lan-ying, Huang Bao-ren, Li Hua-mei, Yang Liu-fa (23)

Features of Distribution of the Quaternary in China (Abstract).....................Chen Ming (27)

A Review of Studies on the Quaternary Glacial and Interglacial Sequences in China (Abstract).............. (28)

............................... Zhou Mu-lin

Preliminary Study of the Subdivision of the Nihewan Formation (Abstract) ................. Wang Yun-sheng (29)

Postglacial Marine Beds in the Coastal and Deltaic Areas in East China............................ (30)

.............. Li Cong-xian, Li Ping, Wang Li

Climatostratigraphy of the Sediments in the Peking Man's Cave ................. Liu Ze-chun (36)

Preliminary Paleomagnetic Study of Late Cenozoic Basalt Groups from Datong District, North China (Abstract). ......................................................... (46)

......Liu Chun, Kazuaki Maenaka, Sadao Sasajima

Magnetostratigraphic Study of Several Typical Geologic Sections in North China.......................... (48)

................................. Li Hua-mei, Wang Jun-da
Age of Loess Determined by Thermoluminescence (TL) Dating of Quartz

Li Hu-hou, Sun Jian-zhong (56)

Paleomagnetic Stratigraphy of Loess in China (Abstract)

Wang Yong-yan, Yue Le-ping (60)

II. Lithology and Genesis of Quaternary Deposits

Microtextures of Loess and the Genesis of Loess in China

Wang Yong-yan, Teng Zhi-hong, Yue Le-ping (61)

A Satellite Images Study on the Dust Storm at Beijing on April 17–21, 1980

Liu Tung-sheng, Chen Ming-yang, Li Xiu-fang (69)

The Evolution of Chemical Elements in Loess of China and Paleoclimatic Conditions during Loess Deposition

Wen Qi-zhong, Yang Wei-hua, Diao Gui-yi, Sun Fu-qing, Yu Su-hua, Liu You-mei (74)

Paleoclimate Events Recorded in Clay Minerals in Loess of China

Zheng Hong-han (83)

A Preliminary Study on the Clay Mineralogy of the Loess at Luochuan Section

Han Jia-mao (93)

Meteorological Characteristics of Dust Fall in China since the Historic Times

Zhang De-er (101)

The Characteristics of Sediments and Landform Evolution of the Late Cenozoic Downwarped Basin in Yushe and Wuxiang District, Shansi

Cao Jia-xin, Wu Rui-jin (107)

A Sedimentary Model of the Changjiang (Yangtze) River Delta

Xu Shi-yuan, Li Ping, Wang Jing-tai (115)

Features and Geneses of the Diamictons in Lushan Region

Zhang Lin-yuan, Mou Yun-zhi (122)

Preliminary Studies on the "Litholac" Soaking on the Gobi Rock Surface in Gobi Desert (Abstract)

Zhu Xian-mo, Wang Jing-qi, Chen Jun-ping (129)

The Comparison of the Pseudo-till of Lushan Mt. with the Till of Tianshan Mts. of China

Xie You-yu, Cui Zhi-jiu (130)

The Formation of Loess in China (Abstract)

Wu Zi-rong, Gao Fu-qing (137)
III. Quaternary Fauna and Flora

Quaternary Lamellibranch Fauna Provinces in East China and their Characteristics...........................

........................................ Huang Bao-yu, Lan Xiu (139)

Discovery of Calcareous Nannofossils in Beijing Plain and Its Significance for Stratigraphy, Palaeogeography and Paleoclimatology

........................................ Wang Nai-wen, He Xi-xian (144)

Studies on Vegetation and Palaeogeography from Late Tertiary to Early Quaternary in China

........................................ Li Wen-yi (149)

Quaternary Sporo-pollen and Ostracod Assemblages from the Continental Sediments in North China

........................................ Tang Ling-yu, Huang Bao-ren (155)

Quaternary Ostracod Biogeographical Province in China.................................. Huang Bao-ren (160)

Microfossils and Palaeogeography of the Nihewan Formation (Abstract) ................................

........................................ Wang Qiang, Wang Jing-zhe (163)

The Ostracoda Fauna of Late Quaternary and Palaeoenvironment from Shalawusu (Sjara Osso-Gol) River District, Nei Monggol Autonomous Region (Abstract) ........................................

.......... Wang Qiang, Shao Ya-jun, Zhao Shi-de (164)

The Distribution of the Recent Coral Reef of China and Its Significance in Quaternary Study

........................................ Liang Jing-fen (165)

— Middle Pleistocene Micromammals from Hexian Man Locality and Their Significance (Abstract) ........................................ Zheng Shao-hua (169)

IV. Quaternary Paleogeography

Quaternary Faulting in China............Ding Guo-yu (170)

Changes of Natural Zones in China since the Beginning of Cenozoic Era...........Zhou Ting-ru (176)

The Paleoenvironment of the Shuidonggou Site of Ancient Cultural Remains in Lingwu County, Ningxia (Abstract)...... Zhou Kun-shu, Hu Ji-lan (185)
Development of the Peking Man's Cave in Relation to Early Man at Zhoukoudian, Beijing............

......................... Ren Mei-e, Liu Ze-chun (186)

Climatic Changes during Peking Man's Time (Abstract) .................. Xu Qin-qí, Ouyang Lian (194)

Fossil Soil Layer in Pleistocene Sediment of Huanghai Sea.......................... Liu Min-hou (195)

Transgressions and Sea Level Changes in the Eastern Coastal Region of China in the Last 300,000 Years

......................... Zhao Song-ling, Chin Yun-shan (200)

Basic Characteristics of the Holocene Sea Level Changes along the Coastal Areas in China........

......................... Zhao Xi-tao, Zhang Jing-wen (210)

Glacial Variation since Late Pleistocene on the Qinghai-Xizang (Tibet) Plateau of China........

......................... Zheng Ben-xing, Shi Ya-feng (218)

On Late Pleistocene Periglacial Environments in the Northern Part of China..................

................................. Cui Zhi-jiu, Xie You-yu (226)

The Climate in Sanjiang Plain during the Past 36,000 Years (Abstract)...... Kong Zhao-chen, Du Nai-qiu (233)

On the Environmental Evolution of Xizang (Tibet) in Holocene ........ Li Bing-yuan,

Yang Yi-chou, Zhang Qing-song, Wang Fu-bao (234)

Variation of Holocene Climate in China: Temporal and Spacial Distribution of Elaphurus davidianus Subfossils (Abstract)........... Li Xing-guo (241)

Geological Study of the Characteristics of Earthquake Hazards and Prehistoric Earthquakes in China

.................................. Zhu Hai-zhi (242)

Morphotectonic Features of Three Earthquake Regions in China and Their Relations to Earthquake

..................................... Han Mu-kang (250)

Discussion on the Neotectonic Movement in Yanshan Mountain through Frequent Changes of Luanhe River Channels (Abstract)...... Li Feng-ling (254)

The Relative Motions Among Intraplate Blocks, and Quaternary Fault-basins around Ordos Block, North China........... Lu Yan-chou, Ding Gou-yu (255)

Characteristics and Evolution of the Longitudinal Profiles in the Middle and Lower Reaches of the Changjiang (Yangtze) River since Late Pleistocene

........................................ You Lian-yuan (261)
V. Prehistoric Man and His Material Culture

Preliminary Study on Paleolithic Bone Engraving in Shiyu, Shanxi Province.............. You Yu-zhu (269)
A Fossil Hominid Skull and Mammalian Fauna Found in Hexian County, Anhui (Abstract)......
............................................................ Huang Wan-po (273)

VI. Natural Resources of Quaternary Deposits and Their Utilization; Protection of the Natural Environment

Some General Remarks about the Land in the Loess Plateau.......................... Zhu Xian-mo (274)
The Engineering Geological Properties of Valley Loess in China...................... Zhai Li-sheng (282)
Principle and Method of Building Engineering Geologic Regionalization of Subsidence Loess Areas in China (Abstract)........ Zhai Li-sheng (288)
The Utilization and Problems of the Quaternary Deposits Relating to the Construction of Water Conservancy

 .......... Pan Yan-ling, Yu Yong-liang, Chen Zu-an (289)
On the Shallow Fresh Water of Old Channel Zone in Hebei Plain

 .......... Wu Chen, Wang Zi-hui, Zhao Ming-xuan (295)
A General View of the Quaternary Placers in China (Abstract) .......... Wang Zheng-ting (301)