

The 2006 Workshop: Sino-US Collaborative Research on

CRITICAL TRANSITIONS IN HISTORY OF LIFE (II)

Sponsors:

National Natural Science Foundation of China
National Science Foundation (USA)

Conference Date:

06/22-24/2006

Beijing and Liaoning, China

Conference Site:

Conference Room 201

National Natural Science Foundation of China
83 Shuanqing Road, Haidian District, Beijing

9:00-9:30 Opening Remark
Dr. Yucheng Chai, Executive Director
Department of Earth Sciences
National Natural Science Foundation of China

Opening Remark
Dr. William Y. B. Chang
Director, NSF-Beijing Office
National Science Foundation (USA)

9:30-9:40 Xiangdong Wang and Zhe-Xi Luo (AM Moderator)
Introduction, acknowledgements & logistics

Sub-Committee Reports on 2005 Washington Workshop & further discussions

9:40-10:10 Critical Transition (IV): Biotic Responses to Global Climate Changes during the Cenozoic

Presenters: Jin Meng and Xiaoming Wang

Participants of discussion: Jin Meng, Xiaoming Wang, Caroline Stromberg, Zhe-Xi Luo, Zhaoqun Zhang, William J. Schopf, H. Richard Lane and others

10:10-10:30 Tea break

11:00-11:30 Critical Transition (III): Origins of Modern Lineages and Rise of Modern Terrestrial Ecosystems and Biotas in Mesozoic

Presenters: Zhe-Xi Luo and Zhonghe Zhou

Participants of discussion: David Dilcher, Ge Sun, Gregory Wilson, Keqin Gao, Xiaolin Wang, Caroline Stromberg, Jingeng Sha

11:30-12:00 Critical Transition (II): Permian-Triassic Extinction and Recovery

Presenter: Douglas H. Erwin & Roger Summons

Participants of discussion: Shuzhong Shen, Xiangdong Wang, Samuel A. Bowring, Roger Summons, Wang Yue, Tong Jinnan

12:00-13:10 Lunch

Douglas H. Erwin and Samuel A. Bowring (PM Moderators)

13:10-13:40 Critical Transition (I): Biotic and Environmental Evolution of Neoproterozoic and Early Cambrian

Presenter: Shuhai Xiao & Roger Summons

Participants of discussion: Junyuan Chen, William J. Schopf, Maoyan Zhu, Roger Summons, Douglas H. Erwin, Chongyu Yin

13:40-14:10 Promotion of collaborative research on critical transitions: the role of databases, cyberinfrastructure, and web-hosted analytical tools

Presenter: Arnold I. Miller

Participants of discussants: Yue Wang, Richard McCourt, H. Richard Lane

14:10-14:30 Tea Break

14:30-15:00 EARTHTIME and inter-laboratory calibration in geochronology

Presenter: Samuel A. Bowring

Participants of discussants: Douglas H. Erwin, Huaiyu He, Ge Sun, Zhonghe Zhou

15:00-16:00 General Discussion

- A. What are other foci of Sin-US joint research on critical transitions
- B. How to disseminate the research on critical transitions to the public
- C. Funding opportunities and mechanisms for research critical transition
- D. Revision and editing of white paper from China-US workshop series

16:30 Return to Fuyi Hotel by Bus

19:00-20:00 Workshop Reception at the Foreign Experts Building (Beijing)

Remarks by:

Dr. H. Richard Lane, NSF (Earth Sciences)

Dr. Richard McCourt, NSF (Biology)

Dr. Yupeng Yao, NSF-China (Stratigraphy and Paleontology)

Dr. Yu Liu, NSF-China (Stratigraphy and Paleontology)

20:00-21:00 Buffet Dinner at the Foreign Experts Building (Beijing)

Sino-US Workshop (American Participants) Field Excursion to Mesozoic Jehol Biota
Fieldsites in Liaoning Province

Field Program and Guides by:

Zhonghe Zhou and Xiaolin Wang

Institute of Vertebrate Paleontology & Paleoanthropology

American participants: Dr. S. A. Bowring, Dr. W. Y. B. Chang, Dr. and Mrs. H. R.
Lane, Dr. Z-X Luo, Dr. R. McCourt, Dr. D-S Miao, Dr. & Mrs. W. J. Schopf, Dr. and
Mrs. Summons, Dr. X-M Wang, Dr. G. Wilson

Chinese participants: Prof. M-N Chang, Prof. P-J Chen, Dr. X-D. Wang,

Friday June 23

7:30 Departure from Beijing

15:00-16:30 Visiting the Lianshanwuopu Fossil Site, Jiufotang Formation

17:00-17:30 Meeting with the mayor and deputy mayor of Chaoyang City

19:00-20:00 Dinner hosted by Chaoyang City Government

Saturday June 24

10:00-13:00 Visiting the Sihetun Fossil Site, Yixian Formation

13:00 Departure from Chaoyang for Beijing