



20. INTERNATIONAL WORKSHOP ON PLANT TAPHONOMY

Senckenberg Natural History Collections Dresden (Germany)

March 25-27, 2011

3rd circular (Program and Participants)

Program

25 March Visit to the paleobotanical collections and reception of the Senckenberg Gesellschaft für Naturforschung (17:00 – 22:00; **venue see map below**)

26 March **Plant Taphonomy Workshop**

07:30 – 08:30 Registration, upload PP files

08:30 – 08:35 Opening

Session 1: (chair: R. A. Gastaldo)

08:35 – 09:05 Keynote lecture: D. K. Ferguson, Li, J.-F.: Why bother about taphonomy in the paleoclimatic record.

09:05 – 09:20 Discussion

09:20 – 09:35 E. Kustatscher, C. Heunisch, J.H.A. Van Konijnenburg-van Cittert: Taphonomical implications of the Ladinian macro- and microfloras of Thale (Germany)

09:35 – 09:50 H. Bosma, J.H.A. Van Konijnenburg-van Cittert: Taphonomic problems associated with the enigmatic genus *Moriconia*

09:50 – 10:05 B.A.R. Mohr, C. Coiffard, M.E.C. Bernardes-de-Oliveira: Unusual preservation of young, complete and herbaceous plants in the Crato Formation of northeastern Brazil

10:05 – 10:20 Discussion

10:20 – 10:45 Coffee break

Session 2: First scientific excavation of the Petrified Forest Chemnitz — T₀-deposits and their impact on the reconstruction of a Permian ecosystem (chair Th. Zierold)

10:45 – 10:50 Opening (Th. Zierold, Chemnitz)

10:50 – 11:05 R. Rößler, R. Noll, Z. Feng, Th. Zierold, R. Kretzschmar, V. Annacker, M. Merbitz: Petrified Forest Chemnitz – a review of the scientific excavation in Chemnitz-Hilbersdorf (Lower Permian Rotliegend, Asselian/Sakmarian)

11:05 – 11:20 R. Kretzschmar, V. Annacker, Z. Feng, M. Merbitz, R. Noll, Th. Zierold, R. Rößler: Scientific excavation of petrified wood in Chemnitz-Hilbersdorf – Intelligent data collection, handling and processing

11:20 – 11:30 V. Annacker, R. Kretzschmar, Z. Feng, M. Merbitz, R. Noll, Th. Zierold, R. Rößler: 3D-Modelling as an upcoming research tool for taphonomy and palaeontology

11:30 – 12:00 Discussion I: Debate on the potentials of the developed 3D-modell reconstructing the T₀-horizon and resolving the volcanic events to finally reveal their impact on the permian vegetation

12:00 – 12:15 S. Läbe, C. Ballhaus, C.T.Gee, R. Rößler: Taphonomic studies on the Lower Permian tree ferns of Chemnitz: Experimental silicification of tree fern *Dicksonia antarctica*

12:15 – 12:30 J. Pšenička: The problem of identifying epiphytic plants in the fossil record

12:30 – 12:45 Discussion II

12:45 – 14:00 Lunch break

Session 3a: Taphonomy of Cenozoic floras: progress and problems (chair: L. Kunzmann)

14:00 – 14:30 Keynote lecture: H. Walther: Taphonomy of Tertiary leaf floras

14:30 – 14:45 Discussion

14:45 – 15:00 R. A. Gastaldo: Taphonomic Attributes of Palynomorphs in Tidally-Influenced Coastal Deltaic Settings

15:00 – 15:15 M. Dolezych, W. Schneider: Taphonomy of *Sciadopitys* Siebold & Zuccarini in the Second Lusatian Coal Seam

15:15 – 15:30 D. Hennig, L. Kunzmann: Taphonomical aspects of a late Eocene flora from Schleenhain (Saxony, Germany)

15:30 – 15:45 W. Schneider: *Silicophyllum heerlenense* Weyland, Kilpper et Berendt

15:45 – 16:00 Discussion

16:00 – 16:30 Coffee break

Session 3b: Taphonomy of Cenozoic floras: progress and problems (chair: D. K. Ferguson)

16:30 – 16:45 J. Sakala: The eternal mystery of the *Sündfluthholz* from Jáchymov

16:45 – 17:00 A. Roth-Nebelsick, W. Konrad, M. Grein, F. Hauber, C. Oehm: Stomatal density and index: New aspects and results

17:00 – 17:10 walk to the collection room

17:10 – 17:25 L. Kunzmann: Never ending story: the Haselbach flora in Central Germany (Oligocene)

17:25 – 18:00 General discussion

19:00 Dinner in the restaurant “Watzke Brauereiausschank am Goldenen Reiter” in the beautiful Dresden city center.

27 March Visit to the current Senckenberg special exhibition “Tiefsee/Deep Sea”, the Japanese Palace, city center. (guide: D. Hennig) (09:45 – 11:30)

List of participants

Volker Annacker (Chemnitz, Germany)
Dr. Anna-Magdalena Barniske (Dresden, Germany)
Hylke Bosma (Leiden, The Netherlands)
Dr. Martina Dolezych (Dresden, Germany)
Dr. Zhou Feng (Chemnitz, Germany)
Prof. Dr. David K. Ferguson (Vienna, Austria)
Prof. Dr. Robert A. Gastaldo (Waterville, USA)
Dr. Carole Gee (Bonn, Germany)
Dr. Jo Hellawell (Bonn, Germany)
Dipl.-Geol. Denise Hennig (Dresden, Germany)
Dr. Georg Heumann (Bonn, Germany)
Gertrud Heumann (Bonn, Germany)
Jakub Holeček (Praha, Czech Republic)
Ralph Kretschmar (Chemnitz, Germany)
Dr. Lutz Kunzmann (Dresden, Germany)
Carola Kunzmann (Dresden, Germany)
Dr. Evelyn Kustatscher (Bozen, Italy)
Sashima Läbe (Bonn, Germany)
Jin-Feng Li (Vienna, Austria)
Dr. Karel Mach (Bílina, Czech Republic)
PD Dr. Barbara A. R. Mohr (Berlin, Germany)
Wongkot Phuphumirat (Vienna, Austria)
Dr. Josef Pšenička (Plzeň, Czech Republic)
PD Dr. Anita Roth-Nebelsick (Stuttgart, Germany)
PD Dr. Ronny Rößler (Chemnitz, Germany)
Dr. Jakub Sakala (Praha, Czech Republic)
Dr. Wilfrid Schneider (Hoyerswerda, Germany)
Prof. Dr. Harald Walther (Dresden, Germany)
Dr. Thorid Zierold (Chemnitz, Germany)
Prof. Dr. Zlatko Kvaček (Praha, Czech Republic)

Workshop venue



arrival by train:

at Dresden Main Station (Hauptbahnhof) take the exit "Wiener Platz / Prager Straße" - in front there is the tram station – take tram number 7 direction "Weixdorf" – after approximately 32 minutes you reach the stop "Industriepark Klotzsche" (not Industriegelände!) – walk from here to the meeting point (see map)

arrival by plain:

there are 2 possibilities:

- 1... by bus – bus 77 direction "Infineon" or bus 80 direction "Bahnhof Klotzsche" (depends on your hotel, see map) – switch to tram number 7 direction "Weixdorf" – walk from the tram stop "Industriepark Klotzsche" to the meeting point (see map)
- 2... by train - direction "Pirna", "Heidenau" or "Bad Schandau" – after 2 stops you reach the railway station "Dresden-Klotzsche" – walk to the street "Königsbrücker Landstraße" – switch to tram number 7 direction "Weixdorf" – walk from the tram stop "Industriepark Klotzsche" to the meeting point (see map)

arrival by car:

use the highways A4, A13 or A17 – follow the signs to the airport – take exit airport/Flughafen (highway A4) and follow the signs to "Hoyerswerda" (B 97) – you reach the street "Königsbrücker Landstraße", turn left – turn left next street – turn left directly after the building with the 2 arcs to the parking area of "Naturhistorische Sammlungen Dresden"