

# PETROLEUM GEOLOGISCHE KRING

KONINKLIJK NEDERLANDS GEOLOGISCH EN MIJNBOUWKUNDIG GENOOTSCHAP



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## FEBRUARY 1996 NEWSLETTER

### FORTHCOMING PGK EVENTS

- |           |   |   |
|-----------|---|---|
| Feb. 21   | Dr. Bruce Fouke<br>VU, Amsterdam        | Correlation of Mid-Cretaceous Depositional Cycles on the Russian Craton and the Crimean Peninsula.  |
| Feb. 21   |   | PGK Annual Meeting & Annual Dinner.   |
| Mar. 20   | Peter Fearn<br>Lasmo Nederland          | Combating Zechstein Drilling Problems a Case Study From the Markham Field Area of the S. North Sea. |
| Apr. 17   | Dr. Paul de Groot<br>de Groot-Bril B.V. | The Future of Geophysical Reservoir Characterisation Must Be Sought in Geology Not Physics.         |
| May 17-19 | Leo Alblas &<br>Hans Dronkert           | N.E. France Excursion   |

### PGK FEBRUARY MEETING

The PGK February meeting will be held on **WEDNESDAY, February 121**, at 17:45 pm and will be preceded by aperitifs from 17:00 pm onwards. The lecture will be held at the KIVI building, Prinsessegracht 23, The Hague. Dr. Bruce Fouke, Formerly of the Vrije Universiteit Amsterdam will speak about: "**Correlation of Mid-Cretaceous Depositional Cycles on the Russian Craton and the Crimean Peninsula**".

The speaker has provided the following abstract:

Identical trends have been observed in the direction and magnitude of shifts in the  $d^{13}C$  composition of age equivalent mid-Cretaceous carbonates in platform, cratonic and basinal depositional settings. These trends, which record differential oceanic burial rates of  $^{12}C$ -enriched organic matter, permit high-resolution chronologic correlations between the paleoceanographic record of deep-water sediments and the paleoenvironmental changes preserved in shallow-water deposits. As a result, it has been possible to globally correlate shallowing and deepening depositional cycles between Tethyan and Boreal mid-Cretaceous sedimentary basins.

Sedimentology, foraminifer biostratigraphy, paleomagnetism and cyclostratigraphy have been integrated in Russia, Crimea and Italy to establish a high-resolution chronostratigraphic framework for the marine carbonate  $d^{13}C$  record. The Friuli carbonate platform in NE Italy exhibits well-exposed Barremian through Turonian

sections on the platform top, platform margin and in the bathyal basin. An Albian through Turonian transect extending from the southern margin of the Russian craton to the Crimean basin has also been analysed. Positive shifts of up to 3 ‰ PDB in carbonate  $d^{13}C$  have been observed in both the Tethyan and the Boreal realms during the Early Aptian, Late Albian, Lower Cenomanian and Cenomanian/Turonian boundary. Each of these changes in  $d^{13}C$  are accompanied by distinct changes in biota (foraminifer, radiolarian and rudist abundances) and depositional stacking patterns. In addition, each of these shifts in  $d^{13}C$  closely correlate excursions previously documented in other globally distributed deep-water sediments (i.e. English Chalks, Helvetic, Vocontian Trough, Western Interior USA). This suggests that each major shift in marine carbonate  $d^{13}C$  reflects changes in the carbon cycle in a variety of depositional settings.

### **OTHER EVENTS OF INTEREST TO PGK MEMBERS**

- February 13** "Paleogeomorphic Traps and Reservoirs On the Fringes of the UK Continental Shelf  
Hydrocarbon Province". Dr. A. Hurst, Shell Professor of Petroleum Geology, University of Aberdeen. 10:00 TU-Delft Faculty of Mining and Petroleum, Zaal E, Mijnbouwstraat 120, 2628 RX, Delft. For further details please contact Contact Allard Martinius +31 15 278 3715.
- February 22-24** Prediction in Geology, Vrije Universiteit Amsterdam. For further details please contact Prof. Dr. Wolfgang Schlager, on +31 20 444 7390 or FAX +31 20 646 2457 e-mail [schw@geo.vu.nl](mailto:schw@geo.vu.nl).
- March 11** SPE Meeting, Den Haag .To pre-register call Astley Hastings, Schlumberger (070 310 54 00).
- March 21** SPE Computer Users Group "BP's View on IT Outsourcing in the E & P industry". To pre-register call Astley Hastings, Schlumberger (070 310 54 00).
- May 2 - 3** Trends in Geowetenschappen, 3<sup>e</sup> Nederlands Aardwetenschappelijk Cngress, Koningshof, Veldhoven. For more information contact Mrs M.K. van Helden, Rijks Geologische Dienst, Postbus 157, 2000 AD Haarlem. Tel +31 23 5 300 285.
- June 3-7** EAGE, 58th Conference and Technical Exhibition, Amsterdam. For further details contact Eveline Schut, EAGE, Laan van Vollenhove 3039, Postbus 298, 3700 AG, Zeist, FAX +31 30 696 2640. Abstract deadline January 17.
- Sept. 23-27** 1st Congress of Balkan Geophysical Society, Athens. For further details contact Erasmus Horizon Ltd., 34 Vass Georgiou B' Street, 116 35 Athens, Greece, FAX +30 725732. Abstract deadline April 30.
- December 3 -5** PETEX 96, Surfing The Wave - Using Technology in the 90's, Petroleum Exploration Conference and Exhibition, London. For further details please phone the PESGB office on +44 171 495 6800 or FAX +44 171 495 7808.

### **THE 1996 ANNUAL MEETING**

The PGK AGM will convene on February 21, at 17.30. Nominations for the 1996 Committee are:

Chairman	Dr. H.Dronkert*	TU-Delft (M&P)
Vice Chairman	Drs. L.D. Alblas	Amoco Netherlands
Treasurer	Drs. M. Koopmans**	Wintershall BV
Secretary	Dr. A.E. Campbell***	TNO-IAG
Committee member	Drs. G.v.d.Bilt	G.A.P.S. Nederland B.V.

\* At present Vice Chairman.

\*\* The treasurer has served over two years and is not eligible for another year.

\*\*\* The current secretary is automatically reselected for one more year.

### **ANNUAL DINNER N.B. CHANGE OF VENUE**

After the annual meeting we will enjoy our annual dinner at Restraunt Julien, Vos in Tuinstraat 2a (top of Denneweg close to Des Indes), about ten minutes walk from KIVI, from 20:15 pm onwards.