

PETROLEUM GEOLOGISCHE KRING

KONINKLIJK NEDERLANDS GEOLOGISCH EN MIJNBOUWKUNDIG GENOOTSCHAP



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APRIL 1997 NEWSLETTER

FORTHCOMING PGK EVENTS

- | | | |
|-----------------|------------------------------|--|
| April 16 | Tom Reijers
SPDC Nigeria | Aim, Scope and Benefit of Work of the Stratigraphic Commission of Nigeria. |
| May 21 | Simon Knight
TU-Delft, TG | Quantifying the Stratigraphic and Structural Controls of Reservoir Connectivity using 3-D Outcrop Models. |
| June 19 | J.-Michel Champanhet | The use of Coal Facies in stratigraphic Correlation of the Carboniferous of the Netherlands Offshore (subject to confirmation) |

PGK APRIL MEETING

The PGK **April** meeting will be held on **WEDNESDAY, April 16**, 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.

T.J.A. Reijers, Corporate Geological Advisor SPDC, Nigeria will speak about "Aim, Scope and Benefit of work of the Stratigraphic Commission of the Niger Delta".

In the mid nineties, after more than thirty years of exploration and production of hydrocarbons, the major stakeholders in the Niger delta decided that now would be the right time to co-operate in sorting out the various stratigraphic relations. Now, because the onshore and shallow offshore hydrocarbon province has reached maturity, and also, because new exploration frontiers are being breached in the deeper offshore, there is a dawning realisation that vast quantities of hydrocarbons will be delineated in unconventional traps, and tapped until well beyond the current licencing period. To achieve breakthroughs in such frontier areas, a thorough understanding of the stratigraphy of the shallow offshore and onshore stratigraphy is required, as well as establishment of the relation of the delta to its framework.

The main aim is to formalise hierarchically organised, computer compatible Lithostratigraphy. A further aim is to define a chronostratigraphic standard for the entire delta and at linking genetic sequences through application of seismo-sequence stratigraphy. Since initiation of the work end 1995 standardised and mutually agreeable procedures of analysis were established, which govern the detailed biostratigraphic, lithostratigraphic and sequence stratigraphic work in 152 wells made available by the co-operating partners. In addition, ten diplines (2543Km) and five strike lines (2018Km) are being merged, reprocessed and interpreted using seismo and sequence stratigraphy.

The benefits of such work are manifold. They include sharing a common stratigraphic language; triggering integrated efforts and improving business focus which, in turn, leads to a release of hidden exploration potential, increase of production potential and a reduction of operating costs. The

vision to co-operate was translated into the establishment of a Stratigraphic Commission of the Niger delta with representatives of the Nigerian government, the major operating companies and some service companies and contractors. Since its launching the commission called together an advisory board and established four technical working committees on lithostratigraphy, biostratigraphy, sequence-seismostratigraphy and structural matters. For each of these bodies tasks and targets were defined such that smooth progress of work over a four year period would be attainable and intermediate results timely available. In the two years of running the Stratigraphic Commission has proved to be an effective medium to achieve progress as will be outlined in the presentation.

OTHER EVENTS OF INTEREST TO PGK MEMBERS

- April 8-9** Forum Norsk Petroleum Forening, "The Norwegian Shelf, a Maturing Area of Significant Future Petroleum Potential", Stavanger (+47 51 59 81 00)
- April 14-15** SPE Meeting "Managing Oil Fields", by Barry Irani (distinguished lecturer SPE) Bel Air Hotel, Den Haag (14/04) and Brahms, Gieten (15/04), contact Barbara Grunert, Schlumberger (070-310 5400) for details.
- April 14-18** Course "Petroleum Economics and Risk Analysis", Amsterdam (020-6380110)
- April 15** JAPEC course, "Essentials of Reservoir Geology for Improved Oil Recovery", London
- April 27-29** British Geological Society, "Field Reactivation for the 21th Century", Bath
- May 5-8** Offshore Technology Conference, Houston, USA
- May 19** SPE Meeting: Harteveld, B and Zalen, H. van, "Underground Gas Storage", The Hague, contact Barbara Grunert, Schlumberger (070-310 5400) for details.
- May 26-30** EAGE Annual Conference & Exhibition, Geneva, Switzerland
- June 2-3** SPE European Formation Damage Symposium, The Hague, contact Barbara Grunert, Schlumberger (070-310 5400) for details.
- June 4** SPE 1 day course, "Modern Well Testing" by Prof. Cor van Kruijsdijk, Delft, contact Barbara Grunert, Schlumberger (070-310 5400) for details.

MEMBERS NEWS

We have received applications for membership from **Mr Rolf Bortz**, a senior geophysicist with RWE-DEA AG (Dld.), **Drs. Rudy H.V. van der Meer**, an OJO at the VU Amsterdam, **Drs. Wouter Hazebelt**, who unfortunately didn't pass on his occupation and employer, **Mr A.J. Bol**, retired and formerly working for Shell Exploration & Production and **Ir. Daniël van Stalduinen**, employed with Wintershall Noordzee B.V.

If no objections are received by the end of the next meeting they will automatically be elected members of the society.

LOST MEMBERS

Mail for the following members has been returned to the secretary: Mr P. Fearn, Mr P.F. Mannot (SIPM), Mr D.L. Loftus (SIPM), Mr O.U. Onyeagord (SIPM) and Mr H.P. Henneberg (SIPM). Could anyone who is aware of their current position and address, please inform the secretary (telephone/fax/e-mail are on the letterhead)

RAISE OF MEMBERSHIP DUES

As was stated at the annual meeting (February 19, 1997) membership dues have been raised to f 30,- per year, starting 1998. Though the PGK made a small profit over the year 1996, a f 5,- raise was suggested because of forthcoming activities as the printing of a membership list (booklet) and the PGK Lustrum Symposium '98 plus a foreseen drop-off in sponsorship coupled with an ending of contributions by the the AAPG (Symposium '93) and increased costs of the monthly meetings. This raise was approved at the annual meeting.

OUTSTANDING MEMBERSHIP DUES

Quite a large number of PGK membership dues need still to be paid. If you look at your mail label you will see 97 at the bottom. This means that the dues for 1997 are now liable. Some members have already paid and are in credit while others will see a longer list of years on this line.

As of February 19 this year there were a total of 184 members who have still to pay 1, or more, years membership dues. 141 members owe 1 years subscriptions. 19 others owe for 2 years, while 22 (!) members owe for three years. Two members were 4 years behind paying for their membership dues. In these figures the payments for the year 97 were excluded. This amounts to a

total of **dfi 6325** outstanding payments for the years 96 and earlier. It may be cristall clear that these are large sums of money for the PGK, larger still given a predicted gradual decline in sponsorship.

We are aware that you may not get to see your envelope, so mention this to your secretary. Please pay **dfi 25** now into one of the accounts given in the letterhead.

If you have already paid for the year(s) the mail label shows, you can ignore this.

Any questions regarding this matter should be addressed to Maaïke Koopmans (treasurer). Her address and telephone number are on the letterhead.

PGK ON THE WEB

Members with e-mail and **Eudora** (preferably running on a Macintosh) may also receive the newsletter digitally from the following address **montijn@nitg.tno.nl**. EudoraLight can be obtained free from the following site: **<http://lorien.qualcomm.com/quest/commercial.html>**. The PGK has a new home page on the Web. The address for those interested is: **<http://wwwak.tn.tudelft.nl/~pgk/index.html>** Many thanks go to Frederic Verhelst of the Centre for Technical Geoscience, LSA, Fac. of Applied Physics, Delft University of Technology.

TIES

The traditional dark blue and new "Red Stripe" PGK tie will not only smarten you up but makes an excellent business gift for foreign clients and visitors. The ties cost f 25,- each and they can be obtained from the secretary. Both designs are available for sale at every meeting.

PICK UP YOUR WHISKY GLASSES NOW: LAST CHANCE!!!!

Will all members who ordered PGK whisky tumblers and not yet paid or taken delivery of them please pay f 10- per glass ordered into one of the PGK accounts mentioned at the front of this newsletter. If your glasses were not picked up at the monthly meeting in December please contact the secretary now. All bank and Giro payments should clearly state "whisky glasses".

ALL GLASSES NOT PICKED UP AT THE FORTHCOMING APRIL MEETING WILL BE SOLD TO INTERESTED MEMBERS ON A 'FIRST COME FIRST SERVED' BASE !!!!

SPONSORSHIP

The PGK is very grateful to its sponsors who have been helping to finance the cost of renting the KIVI lecture room, tickets and accommodation for overseas lecturers, monthly drinks for members and contributing to the cost of the field seminars. The following companies are warmly thanked for contributing to our activities in 1997:

**AMOCO NETHERLANDS B.V., ARGO GEOLOGICAL CONSULTANTS,
ENERGIE BEHEER NEDERLAND, SHELL NEDERLAND B.V**

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