

PETROLEUM GEOLOGISCHE KRING

KONINKLIJK NEDERLANDS GEOLOGISCH EN MINBOUWKUNDIG GENOOTSCHAP



PGK

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Web Site:	A new PGK web site is under construction	Labels:	Last update 4-JUN-1999
Membership:	Applications for membership can be made by contacting the secretariat. Membership dues for 1999 & 1998 are Fl 30,-/yr. For 1997 and previous years they are Fl 25,-/year.		
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JUNE 1999 NEWSLETTER

PGK JUNE MEETING

The last PGK event before summer will be our June meeting scheduled for **WEDNESDAY, JUNE 16th** at the KIVI building, Prinsessegracht 23, Den Haag. As usual, the lecture will commence at 6.00 PM, aperitifs will be available in the coffee room downstairs from 5.00 PM onwards. **Oscar A. Abbink (LPP, Utrecht)** will deliver a presentation entitled "Applications of Palyno-Ecostratigraphy in Jurassic Paralic Deposits of the North Sea: Implications for Exploration and Production". The presenter supplied us with the following abstract:

Detailed, "high resolution" stratigraphy has become a necessity in both predictive geological exploration models as well as in production reservoir models. The application of traditional, qualitative palynostratigraphy in Jurassic shallow marine to non-marine sediments is limited since age-indicative palynofloral events are scarce. To enhance resolution, quantitative and semi-quantitative palynological techniques are applied to acquire the needed (subseismic) resolution.

Despite effects of transportation, sporomorph assemblages reflect the composition of ancient plant communities. Via a Sporomorph EcoGroup (SEG) Model, the palaeoecology of plants is translated into palynologically recognizable (SEGs). Apart from detailed palaeoenvironmental reconstructions, the SEG Model allows the identification of climate changes and sea-level fluctuations, even when dealing with terrestrial deposits. The non-palynomorph fraction of the palynological assemblage, the palynodebris fraction, is analyzed via the computerized processing of microscopic images.

Both methods are discussed, on the basis of two case histories (the Middle Jurassic Brent deposits and Late Jurassic deposits of Dutch Central Graben) on both a local (field) scale and regional (basinal - inter-basinal) scale. The results show that this approach has direct implications for exploration and production scenarios. In addition, the results allow detailed understanding of the palaeoenvironment and a glance at the Jurassic Earth System.

LAST MONTH'S EVENTS

Saturday May 15th PGK organized a memorable trip to Zeeuws-Vlaanderen. The first stop was at "Het zandgelaag op de Kauter", an outcrop of glauconitic, fossiliferous Pliocene sands, hidden in the shrubs behind the church of Nieuw-Namen. Main objective of the excursion was a visit to the brackish tidal area known as "Verdrongen land van Saeftinghe". During a 3-hour walk, the guide from "Stichting Het Zeeuwse Landschap", Mr Richard Bleijenberg, treated the 28 participants to a unique blend of biology, sedimentology, ecology and politics, flavoured with many personal memories, all this narrated in beautiful juicy Flemish.

Wednesday May 19th some 40 people attended an excellent presentation by G. Guerin (Elf Petroleum Norge) on structural decoupling by the Zechstein salt. There was a particularly lively discussion following this lecture (falling diapirs!). Elf Petroland B.V. is specially acknowledged for their sponsoring of this event.

OTHER FORTHCOMING PGK EVENTS

Regular Meetings: After the summer break PGK will organize four more lectures starting September 15th when Wim Swinkels (Shell) will deliver a lecture on Gas Hydrates. The board is still finalizing the program for our meetings on Wednesday October 20th, November 17th and December 15th.

September 23-26th: Field Seminar to the Rotliegend and Zechstein of the Harz and Eastern Germany. A registration form is included in this newsletter.

OTHER EVENTS OF INTEREST TO PGK MEMBERS

June 21: SPE/DPS : Fracture Extension due to Water Injection, speaker: Barry Dross, Hagoort & Associates. Venue: Bel Air Hotel, Den Haag, Start: 6.00 PM

August 17-21: XIV International Congress on Carboniferous and Permian, Calgary, Canada. More information is obtainable from the following web site: <http://www.geo.ucalgary.ca/iccp>

PGK MEMBERSHIP NEWS

Applications: We have received applications for membership from **Mr I. De Lugt** (AIO NITG-TNO) and **Mr P. Huibregtse** (NAM Schiedam). If no objections are received by the end of the next meeting both gentlemen will be automatically elected members of the society.

Accepted: Mrs M. Nijman (Octagon)

REGISTER NOW FOR THE AUTUMN FIELD SEMINAR

The program for our autumn field seminar is being finalized now. We will leave Den Haag by bus on Thursday September 23rd in the late afternoon for a tour which will take us to beautiful outcrops around the Harz Mountains. Main topics will be Zechstein and Rotliegend. Amongst others the Mansfeld Syncline with fluvial and alluvial fan Upper Rotliegend deposits will be visited, as well as the Southern Harz foothills with Upper Rotliegend sandstones and lowermost Zechstein reefs and anhydrite slopes. At present we intend to include a visit to the Rotliegend and lower Carboniferous of the Flechtingen Höhenzug as well.

The excursion fee covering bus, hotel and breakfast will be approx. Fl 400-450/person. More detailed information on this seminar will be sent exclusively to those who will register! In view of the organization of this seminar, registrations will have to be in by **July 1st**.

Return address: M. Geluk, excursion secretary, c/o NITG-TNO, P.O. Box 157, 3508 TA Utrecht. You can also send an e-mail to: m.geluk@nitg.tno.nl

Name.....

Address.....

Phone.....E-mail:.....

Signature

The following companies are warmly thanked for sponsoring the PGK in 1999:

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