

PETROLEUM GEOLOGISCHE KRING

KONINKLIJK NEDERLANDS GEOLOGISCH EN MIJNBOUWKUNDIG GENOOTSCHAP



PGK

Treasurer: Drs. J. van Doorn
Schlumberger NL B.V.
Parkstraat 83
2514 JG Den Haag
phone: 070-3105409
Bank account: 88 65 82 7333
Giro account: 40 74 482

Secretary: Ir. Peter C. Montijn
NITG - TNO
2600 JA Delft
phone: 015 - 269 7189
home: 020 - 622 6662
fax: 015 - 2564800

MARCH 1998 NEWSLETTER

FORTHCOMING PGK EVENTS

Mar. 18 Ad Lokhorst & Mark Geluk (NITG-TNO), 'NW European Gas Atlas'

April 15 Mevr. T. Witteveen-Hevinga, 'The Future of Dutch Gas Business (mevr. Witteveen-Hevinga represents the PvdA)

May 20 J.M. van Herk (Staatstoezicht o/d Mijnen), 'Gas at the Richter Scale' (Effects of gas/oil development on seismicity/subsidence)

June 17 M. Braun (RWE-DA), 'Geochemical Investigations'

PGK MARCH MEETING

The PGK March meeting will be held on **WEDNESDAY, March 18**, 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.

Mr Ad Lokhorst & Mark Geluk (NITG-TNO) will speak about: 'NW European Gas Atlas'. The speakers have provided the following abstract: _____

Over the last decades, intensive exploration for and production of oil and gas in NW Europe has resulted in a large database with gas compositions. Little of these data, however, has appeared in published literature. Mostly, these data reside with the company records or the archives of governmental organisations.

The objective of the "Atlas of the composition and isotope ratios of natural gases in Northwest European Gas Fields" was to integrate these datasets into a comprehensive set of maps, giving a regional overview of the gas composition in Northwest Europe. Besides, several regional geological maps have been prepared with the distribution and facies of the major source and reservoir units. This atlas should serve companies to recognise geochemically significant gas provinces and, in combination with geological data, draw conclusions on the origin of gases.

The atlas is a joint product of the geological surveys of Germany, the UK, the Netherlands, Denmark and Poland, with financial support from the European Union. During this project, specialists of these surveys had the opportunity to discuss and settle geochemical and geological boundary problems, and to create a unique series of maps. The maps have been produced in a GIS environment on a CD-ROM, thus enabling the future users to combine easily these geochemical maps with geological data on source and reservoir rocks. A comprehensive set of explanatory notes on gases and to the geological and geochemical maps is included on the CD-Rom.

The following information is included:

- Gas composition maps. On four intervals, Carboniferous, Rotliegend, Zechstein and Mesozoic, maps of the following constituents have been prepared: methane, carbon dioxide, nitrogen, wetness ($C1/(C2+C3)$), calorific value, density and methane carbon isotope value.
- Geological maps. Three maps concerning the Pre-Permian surface, being of greatest importance to the petroleum system in NW Europe, form the core of the atlas. These are a depth, a subcrop map and maturity map. Reservoir and source rocks dealt with are the Dinantian, Namurian, Westphalian, Lower Rotliegend, Upper Rotliegend Sediments, Zechstein, Buntsandstein, Lower Toarcian, Upper Jurassic, as well as Variscan and Mesozoic intrusives and salt structures. A

complete overview is presented of the gas fields in the study area. Diagnostics plots. Four different diagnostics plots provide information on the composition and origin of the gases in the studied area. Isotopic data form a prerequisite for the understanding of the origin of natural gases and their components.

- Stratigraphic correlation panels give an overview of the nomenclature used in the five countries for the Carboniferous, Rotliegend, Zechstein and Triassic succession.

As an practical example for the use of this atlas, the Carboniferous gas composition from the Eastern Netherlands/NW German border area will be compared to that in the Southern North Sea (Cleaver Bank High).

PGK ANNUAL GENERAL MEETING

The AGM was attended by some 50 members. Chairman Leo Alblas gave his review of the 1997 PGK activities and stated that 1997 had been a prosperous year. Special mention was made of the excursions to Oman and the Eiffel. After the secretary's review of 1997 in which the secretary mentioned a PGK member total of 413 by the end of 1997 followed by the presentation of Maaïke Koopmans' treasurers report. She gave an overview of PGK's in- and outgoing payments, state of sponsorship and membership's dues. Subsequently the auditing committee, consisting of Evert van de Graaff and Wim Peet acknowledged that the books provided an accurate and realistic picture of the PGK's financial position.

Then 1998 auditing committee was nominated. The committee will consist of Ed van Riessen and Karel Kooter.

At 18.30 hrs the 1997 committee, consisting of L.D. Alblas (president, Amoco), E. Uitentuis (vice-president, NAM), M. Koopmans (treasurer, Wintershall), G.P. van der Bilt (excursion leader, PanTerra Geoconsultants) and P.C. Montijn (secretary, NITG-TNO) was discharged and the 1998 committee installed. Nominations for the 1998 committee were as follows:

Chairman	Drs. E. Uitentuis	(NAM)
Vice Chairman	Drs. B. Mathis	(Elf Petroland)
Treasurer	Drs. J. van Doorn	(Schlumberger)
Excursion leader	Drs. M. Geluk	(NITG-TNO)
Secretary	Ir. P. Montijn	(NITG-TNO)

Since no other nominations had been received, the nominees were automatically selected. Evert Uitentuis then thanked the departing Committee members and presented them with a token of appreciation.

Finally Evert Uitentuis presented the 1998 activities (shown below):

January 21	Lecture 'Dinosaurs of the Maastrichtian' by Anne Schulp (UvA) and viewing of the MUSEON exhibition
February 18	'Drilling in the Waddenzee', M.J. Brotsma (NAM)
March 18	'European Gas Atlas', Ad Lokhorst & Mark Geluk (NITG-TNO)
April 15	'Position political parties on Gas Business', mev. T. Witteveen-Hevinga (representing PvdA)
May 20	'Gas at the Richter Scale', J.M. van Herk (SodM)
June 17	'Geochemical Investigations', M. Braun (RWE-DA)
September 16	Special meeting, to be announced
October 28	'Novel technology to develop oil & gas', prof. C.P.J.W. van Kruijsdijk (TU Delft)
November 18	'An integrated general approach for trap integrity analysis', D. Nieuwland (RTS)
December 16	'The geology of french Wine*', prof. F. Guillocheau (Univ. de Rennes)

* subject to confirmation

The meeting closed at 18.50 hrs and 35 members left for Hotel Des Indes where an exquisite dinner was enjoyed.

THE PGK FINANCES

Membership dues have been raised to f 30,- per year, starting January 1998. Therefore we would like to remind you, though we realise you've been accustomed to the familiar amount of f 25,-, to pay 5,- guilders extra.

OTHER EVENTS OF INTEREST TO PGK MEMBERS

April 20-21: The 1998 North Sea Conference, The Howard Hotel, London. To Register: +44 171 831 5588 or petecon2@easynet.co.uk

PGK UTAH / COLORADO FIELD TRIP

Following the success of the 1997 Oman fieldtrip the PGK is investigating the possibility of running another major fieldtrip in 1998. The provisional plan is to make a trip to Utah / Colorado in the USA. Along the valley of the Colorado River and its tributaries (Grand Junction / Moab / Green River area) analogues for Rotliegendes and Buntsandstein reservoirs of the southern North Sea region are spectacularly exposed. In addition the Book Cliffs are world famous for their superb exposures of Cretaceous wave-dominated deltaics. Please see the proposed outline programme for further details.

In order to gauge interest amongst PGK members you are requested to examine the outline programme and, if you are interested in attending such a fieldtrip should it be held, to return the questionnaire before February 01 1998 to: Greg van der Bilt, c/o Panterra Geoconsultants BV, Veerpolder 5, 2361 KX Warmond.

Yes, I am interested in attending a Utah / Colorado fieldtrip should it be organised by the PGK.

Name:.....
Postal Address:.....
Tel.:.....
E-Mail:.....

Preferred dates:
Option 1 (24/4 - 2/5/98) ;
Option 2 (29/5 - 6/6/98) ;
Option 3 (25/9 - 3/10/98)

(N.B. Circle ALL the optional dates that are acceptable to you)

The MAXIMUM fee (covering airfares, all local transport, accommodation & standard meals) that I would consider paying for such a trip is:

Dfl2500 Dfl3000 Dfl 3500 Dfl 4000 Dfl 4500

(N.B. Circle ONE figure only!)

Signature:.....
Date:.....