

# PETROLEUM GEOLOGISCHE KRING

KONINKLIJK NEDERLANDS GEOLOGISCH EN MIJNBOUWKUNDIG GENOOTSCHAP



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## FEBRUARY 1998 NEWSLETTER

### FORTHCOMING PGK EVENTS

- Feb. 18** M.J. Brolsma, 'Drilling in the Waddenzee'  
NAM
- Mar. 18** Mark Geluk, 'The European Gas Atlas'  
NITG-TNO
- April 15** Mevr. T. Witteveen-Hevinga, 'The Future of Dutch Gas Business (mevr. Witteveen-Hevinga vertegenwoordigt de PvdA)
- May 20** J.M. van Herk, 'Gas at the Richter Scale' (Effects of gas/oil development on seismicity/subsidence  
Staatstoezicht o/d Mijnen

### PGK FEBRUARY MEETING

The PGK **February** meeting will be held on **WEDNESDAY, February 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. This will coincide with the **Annual General Meeting** which will be held before the lecture. February's lecture by mr Brolsma will start at 18.45 pm.

Mr M.J. Brolsma of the NAM Assen will speak about: "**Environmental Impact Study for Exploration Drilling in the Dutch Waddenzee**". The speaker has provided the following abstract:

#### *Environmental Impact Study for Exploration Drilling in the Dutch Waddenzee*

*The Waddenzee, forming the Dutch, German and Danish northern coast, is validated as an area of international environmental importance. The area includes extended saltwater marshes, tidal flats, barrier islands and the marine North Sea coastal zone. Although having explored for gas in this area in the past, NAM temporarily ceased exploratory drilling activities in 1983 as part of a voluntary agreement with the government to temporise oil industry activities for a 10 year period inside the Waddenzee. This so-called Moratorium expired in 1994 and NAM resumed the original concession rights.*

*In the course of the Moratorium the government had issued an Key Planning Decision (PKB-Waddenzee) for the Waddenzee region, excluding the North Sea Coastal zone, which comprised a ban on exploratory and development drilling. In order to allow NAM to make use of the concession rights, the PKB was altered for a five year period (1994 - 1999) permitting a maximum of 6 exploration wells to be drilled.*

*Although this PKB does not apply to the North Sea Coastal zone, for both the Waddenzee and North Sea coastal zone an Environmental Impact Statement (EIS) was mandatory. Preparation of the EIS including public hearings took 2 years (1994 -1995). A field survey and an ecological risk*

assessment form the basis for these EIS studies, resulting in a qualitative expert statement on the ecologically least vulnerable area and timing on the one hand, and a quantitative comparison of the ecological risks on the other hand. A computer model was developed comprising the specific occurrence of biological (species of fish, birds, seals etc.) and antropogenic (recreation, fisheries etc.) components as well as their sensitivity to different forms of disturbance. The study results have been incorporated in various permit conditions that cover the choice of location, drilling window and technical enhancements to the drilling equipment. A dedicated rig has been refurbished to reduce light, noise and exhaust emissions, to accommodate a zero-discharge obligation. A specific drilling sequence of exploration wells was agreed upon, whereby the ecologically most sensitive wells will be drilled last. This will allow optimalization of the learning curve. In 1995 NAM filed permit applications for 6 wells in the North Sea Coastal zone and in 1996 for 6 wells inside the Wadden Sea.

Despite NAM's extensive efforts, the permits for the North Sea Coastal zone have met with opposition from the green lobby. Legal objection resulted in a suspension of the permit to drill the first well, Pinkegat, in 1996 and 1997. A final ruling is expected early 1998 after which an appeal to the Council of State seems inevitable. The permitting process for the 6 Wadden Sea wells has not reached the stage of legal objections yet although they are certainly expected later in 1998 when permits are finally published.

These procedural and legal delays will jeopardise NAM's chances to even drill one well, let alone all 6, in the 5 year period allowed by the change in the PKB Waddenzee. This will necessitate another extension of this period with another 5 years or more and will need parliamentary approval once again.

### THE PGK FINANCES

As was approved by the members at the annual meeting last year (February 19, 1997) and announced a few times before the 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

**Feb 16** SPE/DPS, A. van der Spek (Shell), 'Production logging in horizontal holes', pre-register with Petra Torremans, 070-3105400.

**Feb 25** C.U.G., Reservoir modelling and simulation at Shell-RTS, pre-register at 071-5813444 (Ewout Biezen)

### MEMBERS NEWS

We have received applications for membership from **Mr R. Huis in 't Veld**, employed with Argo Geological Consultants, **Drs. D.R. Brouwer** and **Mr E. Iking**. If no objections are received by the end of the next meeting they will automatically be elected member of the society.

### THE 1997 ANNUAL MEETING

The PGK AGM will convene on February 18, at 18.00.

The old, 1997 Committee is:

Chairman	Drs. L.D. Alblas	Amoco Netherlands B.V.
Vice Chairman	Drs. E. Uitentuis	NAM Schiedam
Treasurer	Drs. M. Koopmans	Wintershall BV
Secretary	Ir. P.C. Montijn	NITG - TNO
Excursion Secretary	Drs. G.v.d.Bilt	PanTerra B.V.

Nominations for the new, 1998 Committee are:

Chairman	Drs. E. Uitentuis	NAM Schiedam
Vice Chairman	Drs. B. Mathis	Elf Petroland B.V.
Treasurer	Drs. J. van Doorn	Schlumberger Nederland B.V.
Secretary	Ir. P.C. Montijn	NITG - TNO
Excursion Secretary	Drs. M. Geluk	NITG - TNO

After the annual meeting we will enjoy **THIS YEAR'S ANNUAL DINNER** on behalf of our 20th anniversary at a very excuisit lustral location: **HOTEL DES INDES**, Lange Voorhout 54-56, about a five minutes walk from the KIVI building, **from 20:15 pm onwards**. Those who wish to attend please complete the form at the end of the newsletter and return it **before February 11th** to the secretary accompanied by a bank or giro cheque to the value of **f 75,-** made out to Treasurer PGK. **Please forward your reservation and payment promptly as we have to advise the restaurant about the number of members (and partners) attending.**

### 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 **p.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. Aart-Jan van Wijngaarden, who maintained this site three years along with Frederic, has left for Norway (Norsk Hydro). Aart-Jan, thanks for all your precious time and work!

### TIES

The ties (blue/white and red striped) cost Nfl 25,- each and they can be obtained from the secretary. Both designs are available for sale at every meeting.

### MAIL LABELS

The memberships dues on the mail labels were last updated on December 24th, 1997.

### 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:

**ARGO GEOLOGICAL CONSULTANTS B.V.  
DSM ENERGIE B.V.  
ENERGIE BEHEER NEDERLAND  
FINA NEDERLAND B.V.  
HALLIBURTON B.V.  
NAM B.V.  
OCCIDENTAL NETHERLANDS B.V.  
PANTERRA GEOCONSULTANTS B.V.  
SCHLUMBERGER PETROLEUM B.V.  
SHELL NEDERLAND B.V.  
VEBA OIL NETHERLANDS B.V.  
WINTERSHALL NOORDZEE B.V.**

Printing costs of this newsletter are paid by Netherlands Institute of Applied Geosciences - TNO National Geological Survey.

Distribution costs of this newsletter are paid by Hays Informatiebeheer B.V. (formerly trading as ROCKALL Netherlands BV).

### FEBRUARI 18 1998 PGK ANNUAL DINNER REGISTRATION FORM

Name:.....  
Company: .....  
Address: .....  
Tel: .....

**Return to Secretary before February 11 1998**

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PGK

## PGK ANNUAL GENERAL MEETING

18 February 1998  
18:00

### AGENDA

- |    |   |                                |
|----|---|--------------------------------|
| 1. | Opening   | Leo Alblas                     |
| 2. | Chairman's Review of 1996 activities                            | Leo Alblas                     |
| 3. | Secretary's Report  | Peter Montijn                  |
| 4. | Treasurer's Report  | Maaïke Koopmans                |
| 5. | 1996 Auditing Committee's Report                                | Evert v.d.Graaff<br>& Wim Peet |
| 6. | Selection of 1998 Auditing Committee                            | Proposed??                     |
| 7. | Discharge of 1997 Committee and installation of 1998 committee. |                                |

Nominations for the 1998 Committee are as follows:

Chairman	Drs. E. Uitentuis*	NAM Schiedam
Vice Chairman	Drs. B. Mathis	Elf Petroland B.V.
Treasurer	Drs. J. van Doorn	Schlumberger B.V.
Secretary	Ir. P.C.Montijn**	NITG - TNO
Excursion Secretary	Drs. M. Geluk	NITG - TNO

\* At present Vice Chairman.

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

- |     |                           |                 |
|-----|---------------------------|-----------------|
| 8.  | Proposed program for 1997 | Evert Uitentuis |
| 09. | Any Other Business        |                 |
| 10. | Close of Meeting          |                 |

18:45 Lecture by Mr. M.J. Brolsma, NAM Assen, will speak about: **'Drilling in the Waddenzee'**

20:15 Annual Dinner at Hotel Des Indes, Lange Voorhout 54-56, about a five minutes walk from the KIVI- building.

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PGK

## Secretary's Report 1997

### COMMITTEENEWS

Chairman	Drs. E. Uitentuis*	NAM Schiedam
Vice Chairman	Drs. B. Mathis	Elf Petroland B.V.
Treasurer	Drs. J. van Doorn	Schlumberger B.V.
Secretary	Ir. P.C. Montijn**	NITG - TNO
Excursion Secretary	Drs. M. Geluk	NITG - TNO

The PGK committee convened 10 times and in between communicated successfully through countless phonecalls, faxes, e-mails, secretaries and answering machines. Unlike in previous years the committee meetings were held one week before every meeting instead of in a restaurant after the lecture.

### MEMBERSHIP DATA

In January 1998 the PGK had 413 members, 46 of them were new members. During the year 12 members cancelled their membership and 24 unfinancial members were struck off during the severe but necessary 'December '97 debtors sweep'.

Membership on the whole increased; the website linked with lots of other (professional) organisations overlapping the PGK's terrain of interest, proves a good tool in attracting new members.

As a rather large number of PGK members who still had to pay one or more years membership dues at the end of 1997 a big debtors sweep was in. Members more than two years behind were kindly requested to pay their dues before the end of 1997 and if no payment was received the particular member was scratched off the PGK membership's list so leading to a rather big removal of members that were too much behind in payment. Still a fair amount of members is one or two membership fees behind. Again action will be taken.

In total there was a record breaking number of 393 mutations (changes of address or employer), an enormous amount probably as a result of the quick advance of our members connected on the internet.

As mentioned before the amount of new PGK members was 46. As a completion of last year's memberships survey this is in brief their profile:

- (68%) had an Drs or Msc degree, 7 (15%) was a PhD, 2 had an engineering degree (4%) and 6 (13%) new members applicated for membership as a student
- out of 46 (20%) were employed with a university, 12 (26%) were employed with a contracting company, 13 (28%) were employed with an oil company, 4 (9%) members were self-employed consultants, 2 (4%) were employed with research institutes and 6 members (13%) were students

### NEWSLETTERS

During 1997 10 newsletters were sent to all members, the distribution of which was paid by Hays Informatiebeheer BV. Furthermore NITG-TNO provided additional copying and reproduction facilities. Many thanks must go to Ewan, Rob (v. E.), Rob (A.), Pascal and the stagiaires at NITG-TNO for folding and pushing the newsletter in envelopes.

The folding and enveloping of the newsletter is from February 1998 on contracted out to a professional mailing organisation for this workload was pushing to hard on the secretary's time and that of his his colleagues at NITG-TNO. This and a copy deadline that will be established from the March 1998 newsletter on should accelerate the newsletter's appearance with more than one week.

## **PGK WEB SITE**

The distribution of Newsletters is being paralleled by e-mail. Members with Eudora (Pro) and a Word Processor (preferably MS-Word can receive the newsletter via e-mail. To date there are 175 members who make use of this facility (not all of whom have Eudora). Members wishing the service and a download site for Eudora should mail the secretary at p.montijn@nitg.tno.nl.

## **LECTURE PROGRAM**

In 1997 10 lectures were held. Talks remained well attended with an average of approximately 45 to members per talk. The pre-talk drinks remain even better attended. Sometimes the PGK committee members had to do their utmost best to persuade the members at the bar to go upstairs and listen to the speaker. The best attendance was our first 1998 lecture held at the Museon. Over 77 people were present to hear a young student at the VU Amsterdam talk about his experiences with the excavations of dinosaurs. That this lecture was in Dutch was not foreseen but the exhibition afterwards was a good reward for our English speaking members.

For our scheduled December lecture on the Geology of French Wine had to be postponed (perhaps december 1998) due to the speakers posting on the other side of the world, professor Salle Kroonenberg was found willing to give a lecture on Russian Geology, Water and Wodka. Though the lecture wasn't as well attended as we expected due to ice, weather, slippery roads and huge traffic jams, the evening was a big success. The Wodka, most of them coming from Mr Kroonenberg's own home supply, were intensively sniffed at by some 50 members.

## **ACTIVITIES ANDEVENTS**

- The OMAN FIELD SEMINAR was organised on behalf of the PGK by Christel Hartkamp-Bakker of PDO and Salim A.Al-Maskery of Oman Geo Tours and Tourism. Guidance in the field was provided by Henk Droste, Mia van Steenwinkel, Ton Romein and Ramon Loosdrecht. PDO is thanked for giving them leave to join us in the field. Though very heavy rain resulted in a alteration of the program, the 18 participants enjoyed an excellent trip that lasted 10 days. A report of the seminar was sent out to all members and sponsors. Pictures and texts of this seminar will appear on the Web site very soon.
- Eiffel field seminar The 1997 PGK field seminar was held from September 26-28 in the German Eiffel. Leo Alblas introduced around 40 members to the geology of Main Buntsandstein of the Eiffel region. The excursion started in Limburg where the attendants were hospitably received by the NITG-TNO. Afterwards the excursion led to the outcrops of the Eiffel and the excursion ended in the Mining Museum of Essen.
- The excursion to the Stormvloedkering in Zeeland at the end of June was eventually canceled due a lack of interest. Only 2 members wanted to show up
- PGK's 20 anniversary. For the PGK is founded in 1978 the PGK will celebrate her 20th birthday with various lustral activities. Firstly a special event at the Museon was organised in which the PGK members were confronted with huge prehistoric monsters. The lecture was well attended and most reactions were very enthusiastic. The September 1998 meeting will be a special Lustrum lecture by a distinguished speaker that will be announced in March or April newsletter. Furthermore preparations were made to organise a KNGMG/PGK organised symposium on the Slochteren Gas Field that in 1999 has been producing for 40 years.

## **SPONSORS**

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**February 18, 1998**

Dear PGK members,

The financial overview for 1997 indicates a total net loss of Dfl. 7,062. This figure is greatly influenced by the Oman seminar, as indicated below. If we exclude the Oman seminar from our profit and loss account for 1997 it can be seen that the income for 1997 exceeds the expenditure by Dfl 4,052. Although this figure of Dfl 4,052 looks better than the total net loss of Dfl. 7,062 we must be aware of the fact that there are some expenses that were incurred in '97 but will have to be included in 1998 and thus burden the 1998 budget.

The key elements of this financial year are:

## **Membership Dues**

The labelling system, the printing of outstanding dues on the bottom part of the envelope, still does not seem to encourage a lot of members to pay their yearly membership fee. We may have to encourage members more strongly at the beginning of the year to pay their fee, as only about 55 to 60% of the total members have paid their dues for 1997 at the year's end. Compared to the low percentage of fees received for 1997, a large number of outstanding fees for previous years were received. Maybe our fee and our sanctions are too low for members to worry about so that they only take once every two or three year the trouble to pay their outstanding dues.

In order to clean our membership list we have approached members with outstanding membership fees for more than two years. These members either paid or were removed from the membership list.

## **Sponsors**

A total of 13 companies and organisations have responded positively to our request for sponsorship in 1997, however we are still awaiting payment from one of these companies. The overall amount received in 1997 was only Dfl. 10,300 excluding the sponsoring of printing and mailing our monthly "Nieuwsbrief". The printing costs of this newsletter were carried by NITG-TNO while the mailing was generously carried by Hays Informatie Beheer. It is apparent that fewer companies made contributions to 1997 activities and that some active operators in the Dutch North Sea are missing from this list. We are more optimistic with respect to next year because some "new" companies have already shown an interest in sponsoring our 1998 activities.

## **KIVI**

During 1997 a total of ten lectures were held at the KIVI with an average cost of about Dfl 1,480 per lecture. This amount includes rental costs for the KIVI building (Dfl 230 per lecture), rental of presentation equipment and costs for drinks and snacks (Dfl 900 per lecture), and presents and expenditures made by the speakers (Dfl. 350 per lecture).

Due to uncertainties with respect to the October '98 meeting the bill of the KIVI rental for 1998, normally paid in the previous year, will occur in the 1998 financial year. This amount of Dfl 3,195 weighs on the budget for 1998.



## **Seminars**

The field seminar to the Eifel proved to be very successful and, though there are still some outstanding bills included in the 1998 budget, the seminar remained well within its estimates.

The 1997 day seminar, a planned visit to the LNG installation on the Maasvlakte and to the Stormvloedkering, was cancelled due to the lack in interest from our members.

## **Oman**

Although the Oman seminar was self-sufficient and thus, taken over the '96, '97 and '98 fiscal years will not influence the financial status of the PGK, even though it greatly influences the financial results over the individual years.

A revenue of over Dfl. 14,500 booked in the 1996 fiscal year, weighed heavily on the 1997 financial result (deficit of about Dfl 11,400) and on the budget for 1998 (about Dfl 3,100).

## **Annual Dinner**

The annual dinner was attended by 37 members. The restaurant Julian proved to be more expensive than estimated resulting in a contribution of Dfl 1,000 from the PGK account. This is Dfl 300 more than was budgeted.

## **Secretarial/Treasury**

Apart from the yearly, relative small expenses for banking costs and subscription to the Chamber of Commerce most of these years' expenses went to the purchase and printing of envelopes.

In 1996 a reservation of Dfl 17,500 was made for lesbrief/symposium/lustrum activities. These reserves were not touched in 1997. However, in 1998 a small amount of these reserves are planned be used for lustrum activities that include a visit to the Museon and the sponsoring of a special setting for our lustrum Annual Dinner.

Yours sincerely

Maike Koomans  
Treasurer, Petroleum Geologische Kring