

# PETROLEUM GEOLOGISCHE KRING



KONINKLIJK NEDERLANDS GEOLOGISCH MIJNBOUWKUNDIG GENOOTSCHAP **PGK**

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<b>Venue:</b>	PGK's monthly meetings are held at the KIVI building, Prinsessegracht 23, Den Haag. Drinks are served from 17:00 hrs; the lecture starts at 18:00 hrs.	<a href="http://www.pgknet.nl">www.pgknet.nl</a>	
<b>Membership:</b>	Apply for membership by contacting the secretariat. The annual fee is 15.- Euros.		
<b>Accounts:</b>	Fortis Bank: 88 65 82 733 (PGK, Den Haag)	Postbank: 4074482 (PGK, Den Haag)	

## DECEMBER 2005 NEWSLETTER

### **15 DECEMBER: MONTHLY MEETING**

The upcoming PGK meeting will be on **Wednesday, December 14<sup>th</sup>, 2005**. As usual, free drinks will be served during the social hour (starting 17:00 hrs), followed by the lecture at 18:00 hrs given by **Jon Noad (TU Delft/Shell)** on **dinosaurs from the US, Canada, South Africa, Spain and other places:**

**“Dinosaurs - what can they do for US?”**

*Please see other side of this newsletter for the lecture abstract.*

The annual ‘Christmas buffet’ will follow the lecture. This year’s cuisine will be a genuine Spanish Tapas buffet, to match the topic of this lecture. Members are cordially invited to join for free. The fee for non PGK members is € 15,- (to be paid cash at the meeting. This includes membership for the remainder of this PGK year). If you wish to attend the buffet, **\*\*\*PLEASE REGISTER\*\*\*** with the secretary **BEFORE MONDAY 12<sup>TH</sup> DECEMBER:** [secretary@pgknet.nl](mailto:secretary@pgknet.nl)!

### **JANUARY MEETING:**

On 18 January 2006 **Tanja Zegers (ESA)** will give a lecture with on the **Geology of Mars**.

### **NEW MEMBERS:**

Applications for memberships have been received from Keith Milne (KM Geoscience), Gerhard Diephuis (Geophysical Education & Advice), Tijmen Jan Moser (Zeehelden Geoconsultancy), Ingrid Kroon (TNO), Peter de Ruiters (retired, Shell) and Rombout Knook (Geo-Resources Consulting). If no objections are received prior to or during the next meeting, they are automatically admitted as members of our society.

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**Monthly meeting:** Wednesday 14 December 2005  
**Address:** KIVI building, Prinsessegracht 23, Den Haag  
**Social hour:** (free drinks) between 17:00 and 18:00 hrs  
**Lecture:** at 18:00hrs

## “Dinosaurs - what can they do for US?”

Jon Noad, Shell International, Rijswijk, and TUDelft  
([jon.noad@shell.com](mailto:jon.noad@shell.com); [j.noad@citg.tudelft.nl](mailto:j.noad@citg.tudelft.nl))

**ABSTRACT** - Dinosaurs have received an enormous amount of attention in the media throughout the last century, far in excess of their palaeontological significance. However, beyond the detailed anatomical work, taphonomic studies have helped to reconstruct their day-to-day lifestyles and behaviour. Work on associated footprints, nests, coprolites, skin impressions, as well as other dinosaurian trace fossils, has led to great advances in this understanding.

However, taphonomy works both ways. Of course these fossils and ichnofossils can be used to reconstruct saurian behaviour. They also have the potential to be used, in association with sedimentary structures, to elucidate the depositional environment in which they were deposited or formed. The changes in style of skeletal preservation through time can be used to indicate changes in fluvial character, while the presence or absence of nests can provide palaeoclimatic data. Footprints can show the state of the substrate at the time dinosaurs traversed a locality, while their absence, in the presence of common carcasses, may also yield information on potentially arid settings. Bone and footprint orientation can also provide information relating to palaeocurrents or palaeorelief.

Field data from the USA, Europe and South Africa will be presented to show how the taphonomy of the largest land animals ever to roam the planet can provide a surprisingly valuable tool in the Mesozoic sedimentologist's armoury.

**Please post this page your company's notice board. Members may be accompanied by guests!**

**Unfortunately, we there are still quite a few members that have not paid the 2005 dues yet (€15,-)**

We would once more like to kindly ask you to settle your dues if you haven't done so yet. Support from our members is vital for the PGK in order to be able to continue organizing events such as lectures, field trips or the Christmas buffet. If in doubt, please check with the treasurer to see whether your payments are up-to-date.

*(If you did not receive a newsletter for at least some months – apart from this one – you probably have not paid your 2005 dues yet)*

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