

DEPOSITIONAL FEATURES IN OLIGOCENE TIDAL SEDIMENTS OF VALKENBURG, PROVINCE OF LIMBURG, THE NETHERLANDS, WITH THE DESCRIPTION OF A NEW LITHOSTRATIGRAPHICAL UNIT: VALKENBURG DEPOSIT

(SUPPLEMENTARY DATA)

by

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Buurman, P. & W.D.Langeraar. Depositional features in Oligocene tidal sediments of Valkenburg, province of Limburg, The Netherlands, with the description of a new lithostratigraphical unit: Valkenburg Deposit (Supplementary data). - Meded. Werkgr. Tert. Kwart. Geol., 12 (3): 109-111, 1 table. Leiden, September 1975.

Additional data to a former paper (in Meded. Werkgr. Tert. Kwart. Geol., 12 (2), 1975) are given. It has been established that sediments of the Neerrepen Sands do yet occur at this locality. A small molluscan fauna from these sands has been collected. The stratotype of the Valkenburg Deposit is redefined. Furthermore a correlation is given between the stratigraphical nomenclature used by the authors and by the Geological Survey of the Netherlands.

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NEW DATA

After the printing of our paper (Buurman & Langeraar, 1975) it has been established with certainty that sediments belonging to the Neerrepen Sands are yet present in the Valkenburg section. Their actual thickness is extremely variable as a result of local differences in erosion during the Valkenburg facies. In the section of Cadée & Vaessen (1975) the part of 10.20 - 10.40 m belongs to the Neerrepen Sands. Therefore, the stratotype section of the Valkenburg Deposit should be

redefined as the part of 4.85 - 10.20 m in the description of Cadée & Vaessen. In the southern part of the exposure, only several tens of meters from the described section, the Neerrepen Sands still have a thickness of about 3 meters. They are characterized by beach structures. Two thin beds of molluscan fossils (sand casts) have yielded the following small bivalve fauna (kept in the Rijksmuseum van Geologie en Mineralogie, Leiden, the Netherlands, determinations by Mr A. W. Janssen):

- Aequipecten bellicostatus* (Wood)
- Hilberia cf. stettinensis* (Von Koenen)
- Glossus subtransversus* (d'Orbigny)
- Pelecypora* sp.

Aequipecten bellicostatus is exclusively known from the Grimmertingen Sands, and *Hilberia stettinensis* (if it is really this species) is found in a sandy deposit of Early Rupelian or Late Lattorfian age in the Rupel area (locality of Ruisbroek, Belgium, not yet published) and in some German localities. *Glossus subtransversus* is known from Lattorfian and Rupelian sediments.

ADDITIONAL STRATIGRAPHICAL INFORMATION

According to the subdivisions used by the Dutch Geological Survey, the Henis Clay and the Sands and Marls of Oude Biezen belong to the Goudsberg Deposits of the Tongeren Group, while the Grimmertingen Sands, Neerrepen Sands and Valkenburg Deposit are included in the Klimmen Deposits of the Tongeren Group. A schematic relation between the subdivision proposed in our paper and the terminology of the Geological Survey is given in the table below.

CHRONO - STRATIGRAPHY	L I T H O S T R A T I G R A P H Y			
	Geological Survey of the Netherlands		Buurman & Langeraar, 1975	
RUPELIAN	TONGEREN	Goudsberg	Sands and Marls of Oude Biezen	
		Deposits	Henis Clay	

LATTORFIAN	GROUP	Klimmen	Valkenburg Deposit	
			Deposits	Neerrepen Sands
				Grimmertingen Sands

ERRATUM

In de "Samenvatting" van ons artikel is een storende fout geslopen. In de derde alinea, eerste regel, moet het woord "transgressie" worden vervangen door "regressie".

REFERENCES

Buurman, P. & W. D. Langeraar, 1975. Depositional features in Oligocene tidal sediments of Valkenburg, province of Limburg, the Netherlands, with the description of a new lithostratigraphical unit: Valkenburg Deposit. - Meded. Werkgr. Tert. Kwart. Geol., 12 (2): 57-72, 7 figs.

Cadée, M. C., & L. M. B. Vaessen, 1975. Lithostratigrafische beschrijving van oligocene afzettingen in een weginsnijding bij Valkenburg, Limburg. - Meded. Werkgr. Tert. Kwart. Geol., 12 (2): 50 - 56, 2 fig.