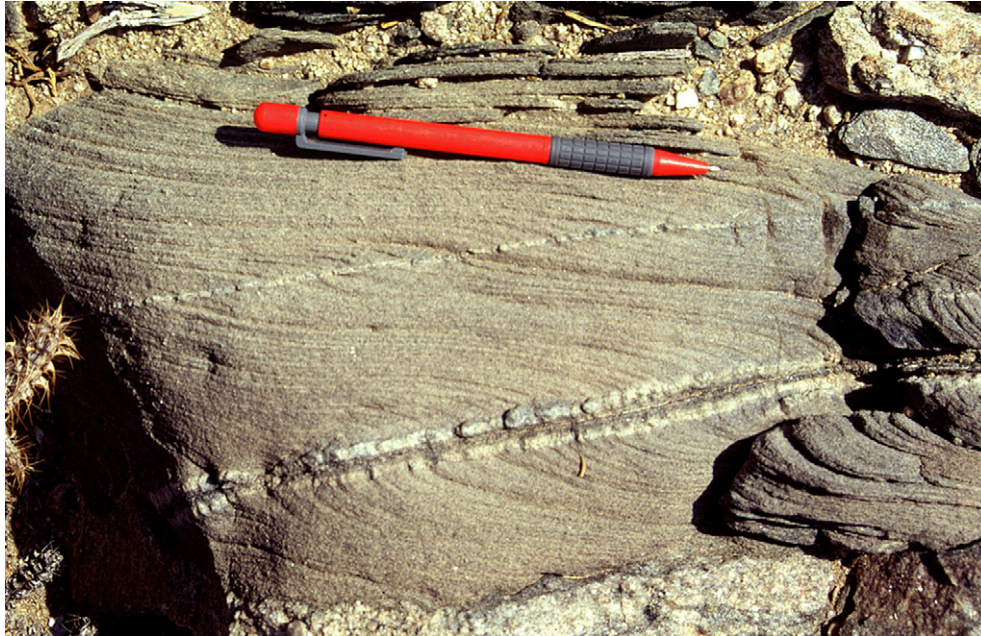


Editorial  
Photograph of the Month



Flanking folds in metaturbidite, Namibia. Photograph Cees Passchier, Mainz (cpasschi@uni-mainz.de). Reprinted by kind permission of the author.

The photograph shows pegmatite veins cutting deformed bedding in Neoproterozoic micaceous sandstone metaturbidite from the lower Ugab Domain, Namibia. The outcrop lies in the contact aureole of an 8 km wide syenite intrusion, which is synkinematic with the first regional deformation phase. The veins are derived from the syenite and of the same age. Flanking folds occur along the lower vein, but not along the upper one. The lower vein shows a reaction rim with feldspar enrichment in the metaturbidite. My interpretation is that the pegmatite veins intruded both at nearly right angles to the layering in the sediments, and some formed a reaction rim. Subsequent ductile non-coaxial flow decreased the angle between veins and layering to less than  $30^\circ$ , without folding the veins since they were in the extensional quadrant of the flow. The upper vein acted as a passive marker, but the

lower one preserved the steeper angle between the vein and the layering in the reaction rim, which was little deformed. This caused formation of the flanking folds. Location 14,2947 E,  $-20,7236$  S.

Please send comments to [jsg@uni-mainz.de](mailto:jsg@uni-mainz.de)

Cees Passchier  
Institut für Geowissenschaften  
Johannes Gutenberg Universität (Tektonophysik)  
Becherweg 21  
55099 Mainz, Germany  
Tel.: +49 6131 393217; fax: +49 6131 393863.  
E-mail address: [jsg@mail.uni-mainz.de](mailto:jsg@mail.uni-mainz.de)

Available online 9 February 2007