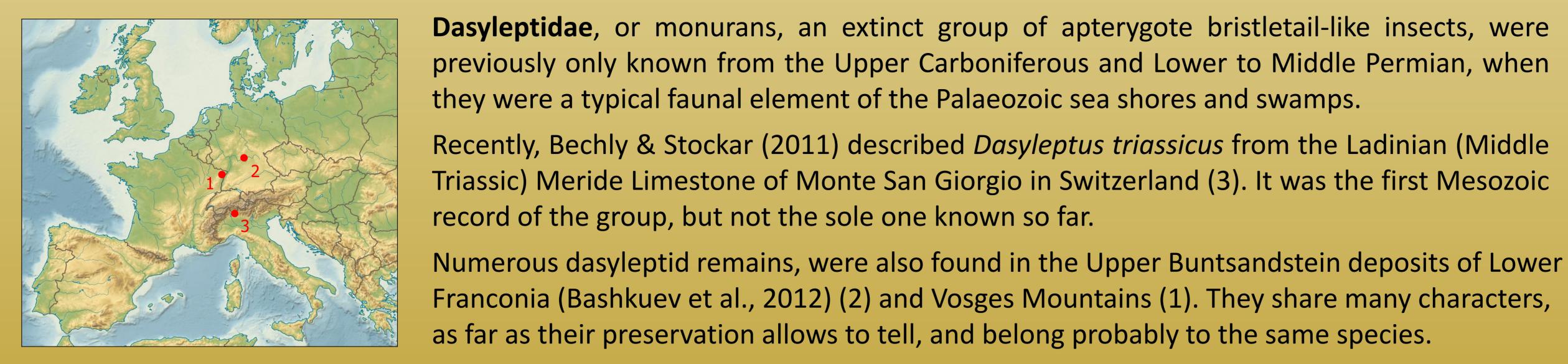


Workshop zur Geologie und Paläontologie der Trias 3–4 May, 2013, Euerdorf

New Triassic dasyleptids (Insecta: Archaeognatha: Monura)

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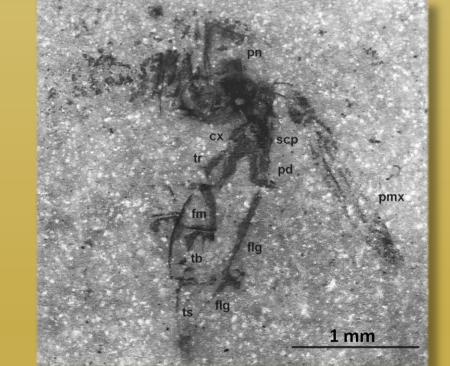
Triassic records of dasyleptids in Europe:

1 – Vosges: 'Grès à Voltzia' Fm,

Upper Buntsandstein

About 40 specimens were collected mainly by the second author during the last several years in the worked-out quarry at Hammelburg, Lower Franconia,



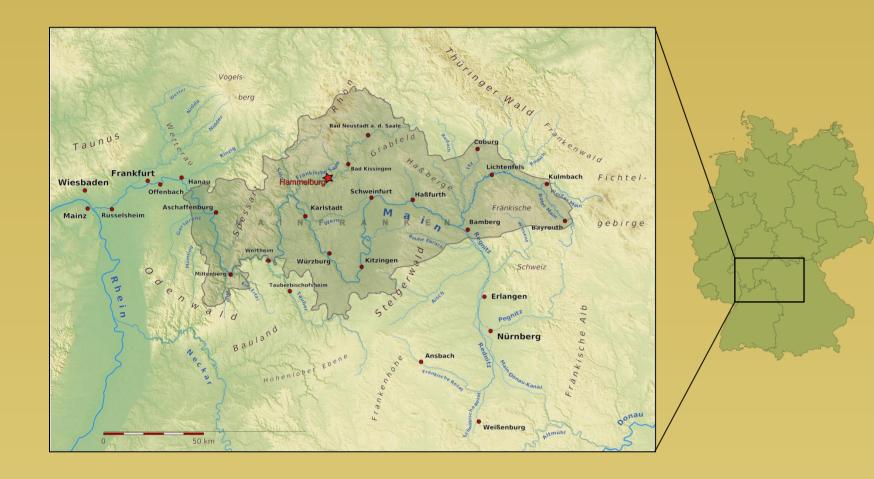


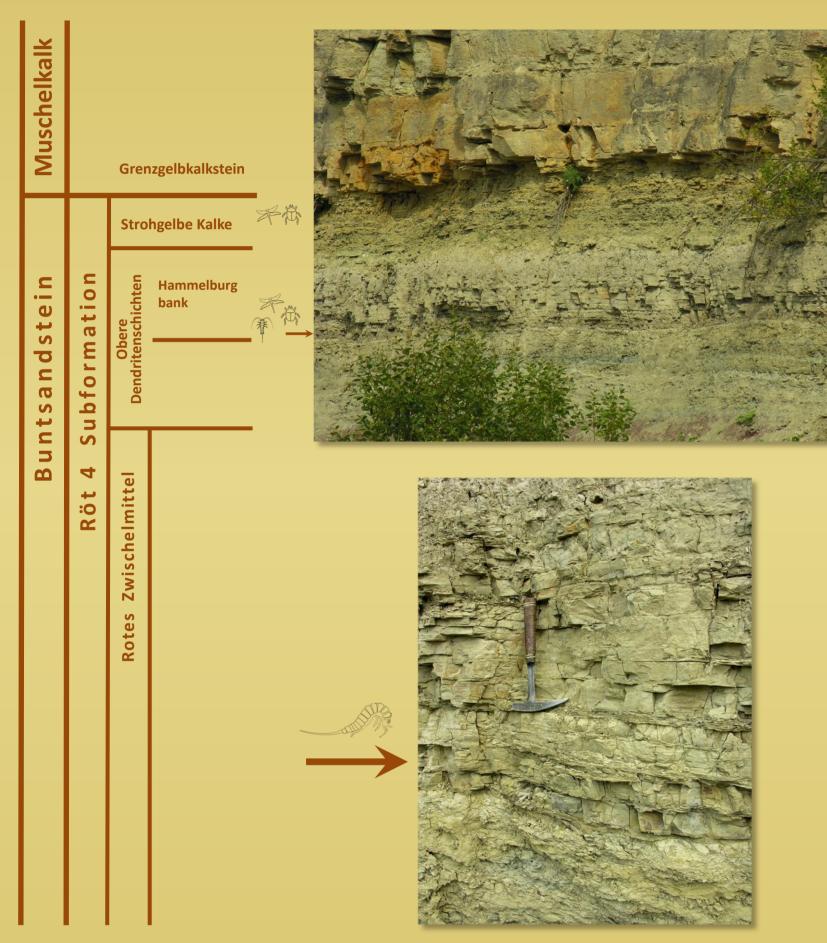
Dasyleptus triassicus Bechly et Stockar, holotype

2 – Franconia: uppermost Röt Fm

early Anisian

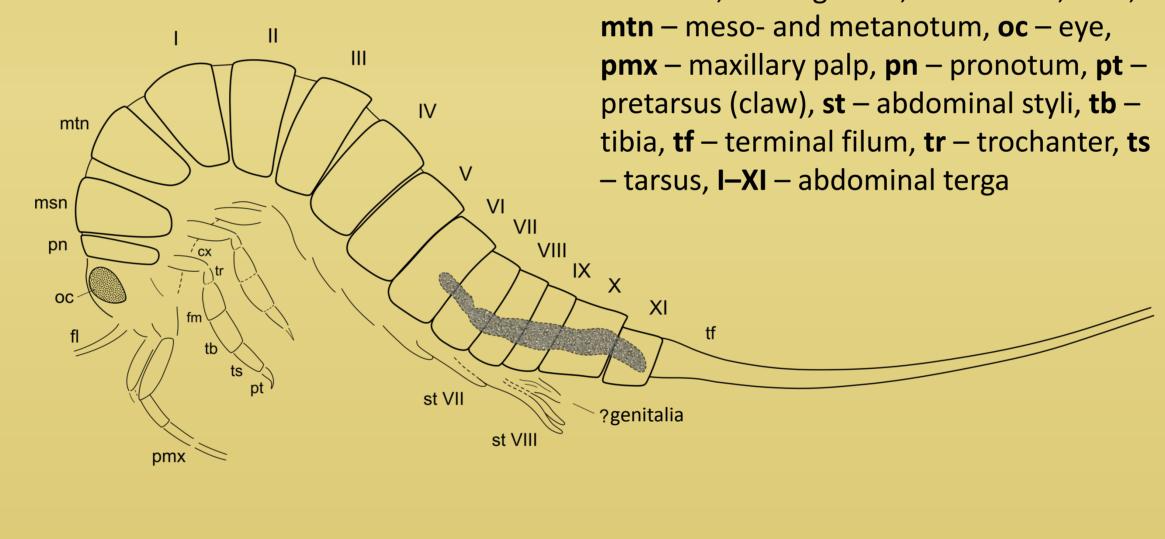
3 – Monte San Giorgio: Meride Limestone, late Ladinian





in the oberen Dendritenschichten (Myophoria beds, Röt Formation), about 2 m below the Buntsandstein/Muschelkalk boundary. This horizon is one of the richest in fossils in Buntsandstein of Franconia: diverse insects occurred here along with conchostracans, decapods, triopsids, lingulids, bivalves, fish (particularly *Saurichthys*) and tetrapod remains.





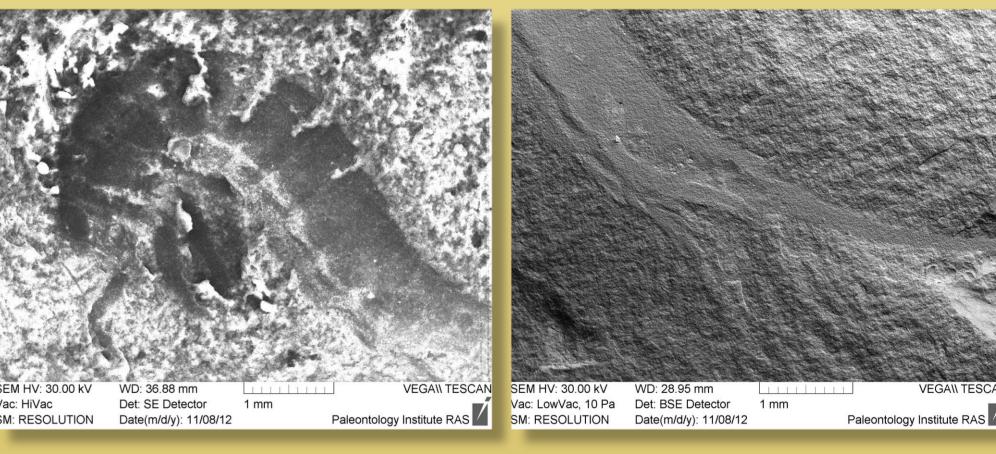
cx – coxa, fl – flagellum, fm – femur, msn,



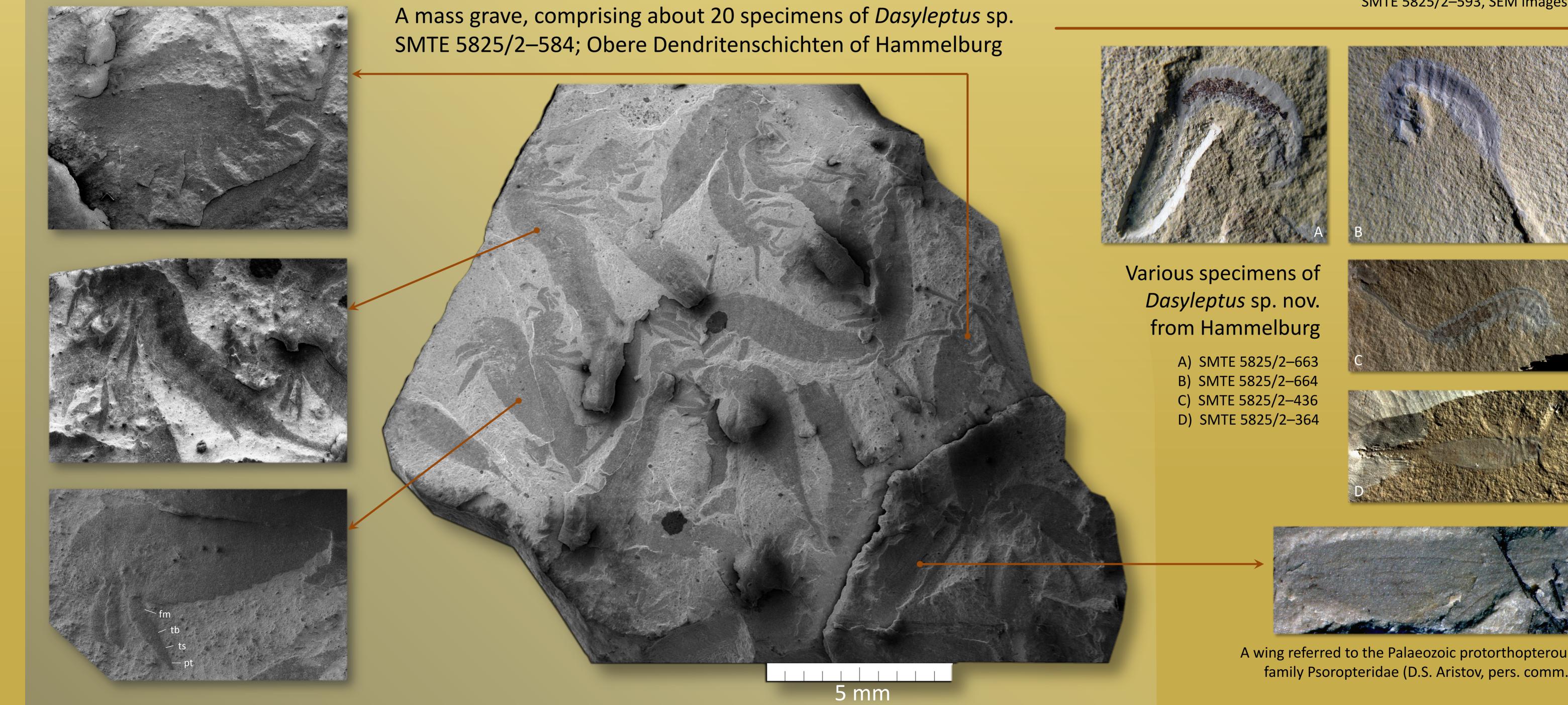
A pair of undescribed dasyleptids in the private collection of Dr. L. Grauvogel-Stamm. 'Grès à Voltzia' Fm of Vosges. Photo by D. Shcherbakov, 2008

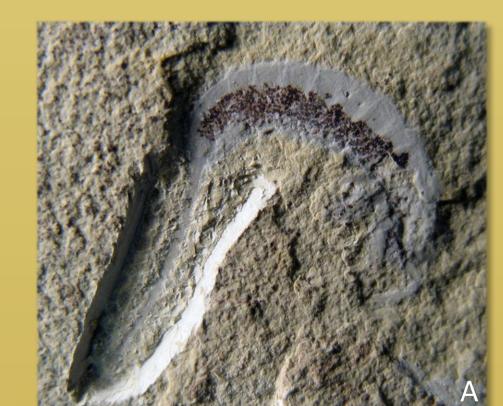
The new species is most similar to the *Dasyleptus* triassicus, and slightly differs from it in the shorter terminal filament, which is in all specimens examined not longer than abdomen, as well as in body and leg segments proportions.

Legs distinctly broadened (flattened?), but there is no such a contrast between this and the Palaeozoic species, as indicated by *D. triassicus*. These and other characters are in need of further analysis.



SMTE 5825/2–593, SEM images









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