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Organized by M. STREEL and M.J.M. BLESS
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(Dir. : Prof. R. Schumacker), 4950 - Robertville-Waimes (Belgium)

**BIOSTRATIGRAPHICAL CORRELATION
BETWEEN THE HANGENBERG
SCHIEFER (NORTHERN
«RHEINISCHES SCHIEFERGEBIRGE»)
AND GLACIGENIC DEPOSITS
IN BRAZIL**

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ABSTRACT.- Clastic sedimentary sequences with glacial characteristics of Late Devonian age are described in several basins of Brazil. They were dated as Famennian *sensu lato*. Samples from these sequences in the Amazonas and Parnaíba basins contain well preserved miospores which allow an accurate correlation with the uppermost Famennian (Middle *praesulcata* Zone

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equivalent) *R. lepidophyta* - *H. explanatus* and *R. lepidophyta* - *V. nitidus* Zones (LE and LN Zones). The same miospore-zones characterize the Hangenberg Schiefer and Sandstein in the Northern «Rheinisches Schiefergebirge» which are considered to correspond to a sudden drop of sea level. Such an accurate time relationship between glacial sediments in Brazil and drop of sea-level in Germany (and around the world!) suggests that they might have the same climatic origin.

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