MEUSE-RHINE GEOLOGISTS MEETING  
MONT-RIGI (HAUTES FAGNES)  
MAY 18-19, 1990

Organized by M. STREEL and M.J.M. BLESS  
with the cooperation of the «Société géologique de Belgique»

Location : Station scientifique des Hautes Fagnes  
(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 glacigenic 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 a accurate correlation with the uppermost Famennian (Middle praesulcata Zone 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 glacigenic 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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