

**MIOSPORES FROM THE DEVONIAN-CARBONIFEROUS TRANSITION  
IN HUNAN, SW-CHINA.**

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The relationship between two species of *Retispora* Staplin (*lepidophyta* and *macroreticulata*) and one species belonging to a comparable, but monolete, genus (*Retizonomoletes hunanensis* n.g., n. sp.) is discussed and incorporated in a "morphon" concept.

The lack of characteristic species occurring both in China and in Western Europe, doesn't allow to propose accurate interregional biostratigraphic correlation near the Devonian-Carboniferous boundary. Only one of several outcrops studied, the Malanbian section, shows some possibilities of correlation as *R. lepidophyta* is found in two samples from clastic beds of only fifty centimeters thick, at the transition between the Menggong'ao and Malanbian Formations. The incoming of *R. lepidophyta* is shown above the last occurrence of *R. hunanensis*. Only one sample yields spores above the youngest samples containing *R. lepidophyta* (1,5m above, in the same clastic beds). This last sample, although very rich in spores, doesn't contain this species.

As we know that the disappearing of *R. lepidophyta* marks the Devonian-Carboniferous boundary, perhaps we have to consider that the limit is situated in the clastic beds. In that case the *R. lepidophyta* Biozone might be very condensed or reduced due to a sedimentary gap. Perhaps, the highest incoming of *R. hunanensis*, in this last sample, has to be regard as reworked in relation with the condensation or gap.

This paper		Gao Lian-da, 1990	
Carbon.	Malanbian Fm.		
	Clastic bed	<i>R. lepidophyta</i>	FM (Zone)
Devonian	Menggong'ao Fm.	<i>Retizonomoletes hunanensis</i> sp. nov.	VI (Zone)
	Shaodong Fm.		LN (Zone)
	Oujiaochong Fm.		LE (Zone)
	Magunao Fm.		LL (Zone)
			Carboniferous
			Devonian

Correlation of *Retispora lepidophyta* and *Retizonomoletes hunanensis* n. sp. around the D/C boundary.