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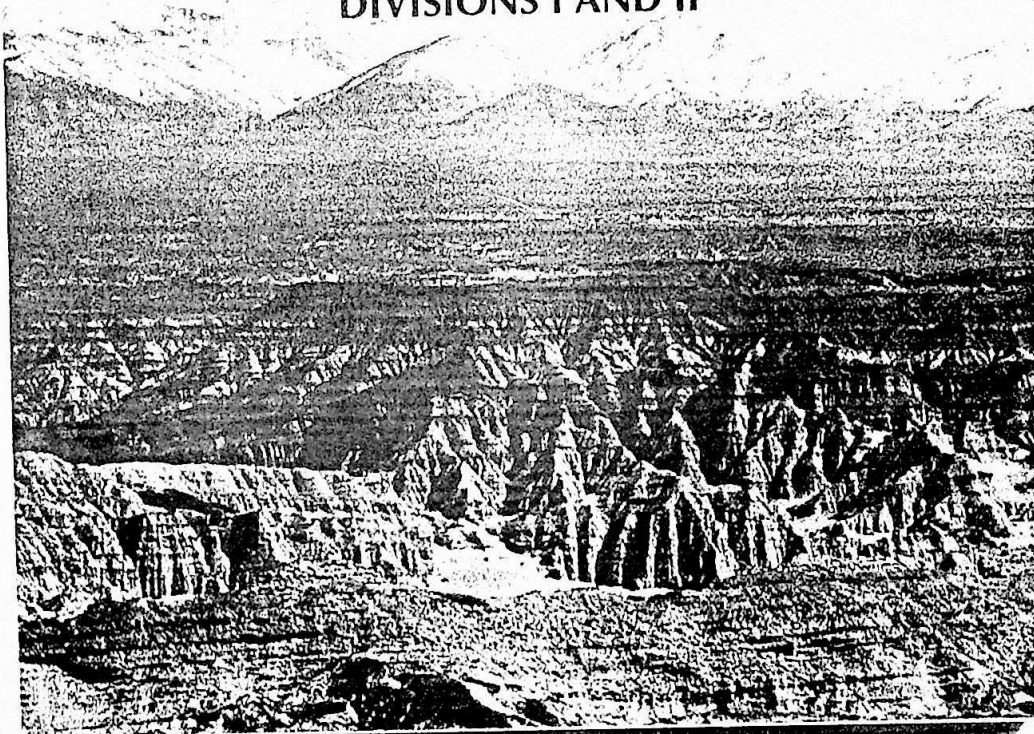
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BUENOS AIRES  
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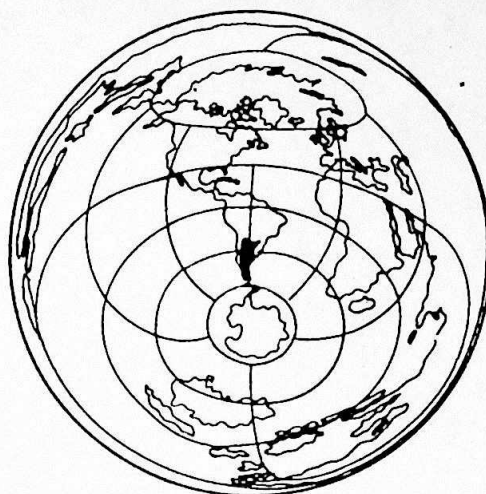
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#### PART B: ABSTRACTS DIVISIONS I AND II



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## DIVISION I ABSTRACTS

### 01.10.05 PALEOMAGNETISM OF MESOZOIC-CENOZOIC MAGMATIC ROCKS FROM THE SOUTHAMERICAN PLATFORM

*C.R. Montes-Lauar and I.G. Pacca*

Paleomagnetic and geochronological results corresponding to several stages of the Southamerican platform reactivation from Jurassic to Tertiary times are presented. Over 300 oriented samples were analysed and the following results were obtained 1) for Anari and Tapirapuã (W Brazil) basic flows,  $^{40}\text{Ar}/^{39}\text{Ar}$  age 197 Ma, paleomagnetic pole at  $65.5^\circ\text{S}$ ,  $250.3^\circ\text{E}$ ,  $\alpha_{95}=3.6^\circ$  2) for São Sebastião Island (SE Brazil) alkaline stocks and dykes, Rb-Sr age 81 Ma and Early Cretaceous acid and basic dykes remagnetized by the alkaline stocks, paleomagnetic pole at  $330.1^\circ\text{E}$ ,  $79.1^\circ\text{S}$ ,  $\alpha_{95}=4.7^\circ$  3) for Abrolhos Islands (E Brazil) basalts and diabases, K-Ar age 44 Ma, paleomagnetic pole at  $89.8^\circ\text{S}$ ,  $296.5^\circ\text{E}$ ,  $\alpha_{95}=2.4^\circ$  4) for Salitre and Tapira (Central Brazil) alkaline-carbonatite intrusions Rb-Sr age 83 Ma Relationships among these episodes and that of the Early Cretaceous Serra Geral flood basalts are discussed.