



ABSTRACTS

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BIOGENIC STRUCTURES OF THE AMAZON CONTINENTAL SHELF

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The Amazon Shelf sediments collected by box core sampling revealed several biogenic structures that were classified by an ethological point of view (**Domicchnia**, **Fodinichnia** and **Repichnia**). The samples were collected during February 28 - May 31, 1990 on the R. V. Columbus Iselin AMASSEDS Cruises 9002 (leg 3) and 9004 (legs 2 and 3) in the period of high discharge of the Amazon River. Ecological data from CTD analyses (luminosity, oxygen concentration, temperature and salinity) were correlated with the biogenic structures and macrobenthos. This study concluded that the basic factors controlling the benthos activity in the inner-shelf deposits are associated with the substrate dynamics, the high accumulation rates of sediments, the oceanic currents and the water content into the bottom sediments.