

Ceramah Teknik (Technical Talk)

Art Boucot's Talks

Laporan (Report)

Prof. Art Boucot from Oregon State University gave two talks to the members of our society during his visit to Malaysia. His first talk on "*Phanerozoic global climatic zones and paleogeographic changes through time*" was delivered to GSM members in the Klang Valley at the Department of Geology Lecture Hall in the University of Malaya on 21.10.2003. His second talk on "*Some thoughts about the Shan-Thai Terrane*" was given at the Department of Mineral and Geoscience in Ipoh the next day. The abstracts of his two talks are given below.

Phanerozoic global climatic zones and paleogeographic changes through time

ART BOUCOT

Abstrak (Abstract)

The main indicators used for tracking paleoclimatic changes through time are: warm and wet climate- coal, bauxite and laterite; cool and wet climate- coal and tillites; warm temperate climate- kaolinite (& coal & evaporate), crocodiles, palms & mangroves; warm and dry climates- evaporate and calcrete; cool and dry climate- tillite, dropstone and glendonite. Using the above indicators and plotting their occurrences in paleogeographic maps of the world through the different periods in the Phanerozoic from the Cambrian to the present, allows one to interpret and track paleoclimatic changes as the paleogeography of the landmasses changed through time with continental drift.