VIC/TAS BRANCH

(Wednesday, 19th May 1993. Previously advertised as June speaker).

NEW DEVELOPMENTS IN COMPUTER GRAPHICS FOR GEOSCIENTISTS

by Harry Hvistendahl and Brian Strbac, Corporate Electronic Publishing

This presentation will briefly cover three topics:

1. Presentation Graphics for Petroleum Explorationists
2. Geoscientific Image Translation
3. Improved Technologies for Plotting

1. Visuals

Geoscientists are not natural presenters. Sometimes conference papers and TCM presentations are an ordeal for the audience, especially if the accompanying visuals are of a low standard.

Yet a clear, well-directed technical presentation can improve understanding and shorten the length of the meeting. With a little forethought, simple high-quality visuals can be prepared by the in-house drafting section or an external service.

New software allows draftspeople to quickly make up slides of strat-columns, cross-sections and permit maps. Last-minute changes can be accomplished and included in the visuals.

2. Geomontage

A critical element of geoscientific evaluation is the presentation of graphical outputs using data sourced from a wide range of different workstations and applications.
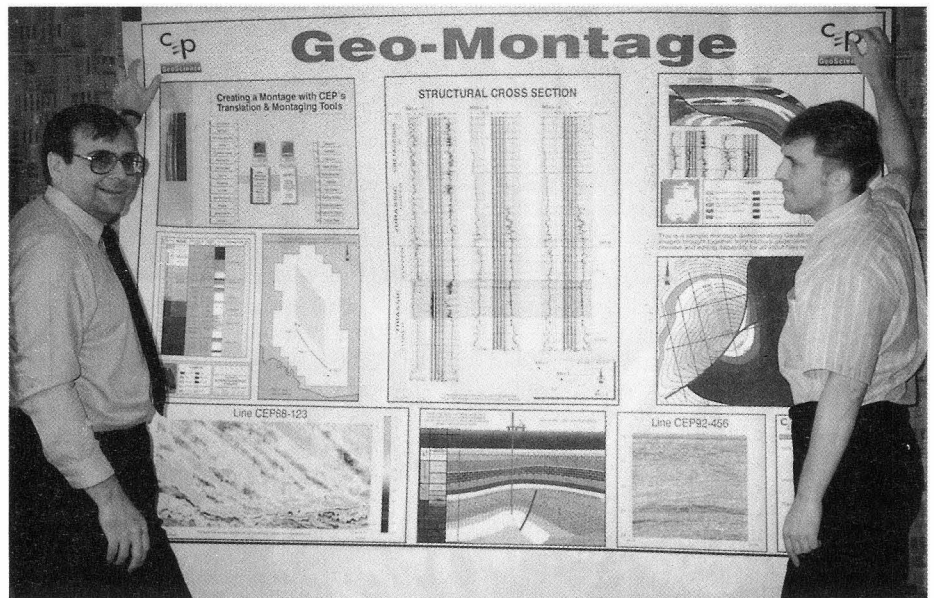
The montage is the global currency of the joint-venture. While the technologies which analyse and display the geoscientific data are highly developed, the procedure to integrate these displays and produce high quality results, in montage or report form, is a decade behind.

The GeoMontage research project, sponsored by Ampolex and Woodside, has recently been completed by Harry Hvistendahl and Brian Strbac of CEP. This solves many of the problems in image translation.

3. Plotting

Colour plotting technology had also stalled for a number of years. Yet in 1993 there have been some exciting developments which make montages and large format plotting easier and more accessible to the geoscientist.

The Novajet, for example, is a 36" continuous-feed colour plotter using inkjet rather than the older electrostatic technology. It is about one quarter of the cost of an electrostatic, easier and less costly to run, with almost equivalent quality and throughput.

Harry Hvistendahl and Brian Strbac.