

Editor's Page



Every journal has a character which reflects how vibrant the community that it caters to is. The journal also reflects the technical maturity and drivers of the community. The **Editorial Board** helps shape these reflections. So has been the case with **Geohorizons**, now eleven years of age. The readership of **Geohorizons** largely consists of SPG members -geoscientists involved in oil exploration and students in India. One of the founding objectives of SPG is to promote education of Geophysics and dissemination of knowledge of Petroleum Geophysics in India. With the change of guard at Editorial Board, four new features aimed at these objectives have been initiated.

Tutorial is one such feature wherein articles illustrating important concepts of exploration geophysics are discussed threadbare in a classroom fashion. We are beginning this with a discussion on minimum-phase requirement of the input to predictive deconvolution.

A new column, **Points-to-Ponder**, is intended for publishing thought provoking questions which have short answers and which bring out some important issues in the theory or practice of exploration geophysics. Readers may submit their questions, preferably, along with their answers; however, that is not mandatory and the editorial board will make efforts to find correct answers. Selected questions will be published with their answers. In this issue, we begin with some issues, viz., why tau-p domain is better suited for predictive suppression of multiples than the time-offset domain, why bright amplitude with AVO is not a sufficient criterion for hydrocarbon detection, although presence of AVO is a necessary condition for occurrence of gaseous hydrocarbons and what is the difference between Snell's Law and Fermat's Principle. An example based on a real well-site experience involving mis-interpretation of well logs for "shale effect" is also presented.

Then, we have initiated **Readerspeak**, to publish readers' comments, suggestions in general and start discussion on any and all matters of professional interest.

In the next issue of Geohorizons, a new feature, "What is new", is intended to be included to bring to you some latest developments in different disciplines of Petroleum Geophysics. I solicit your contribution for this feature.

Finally there is a crossword puzzle on geophysical terms being called Geophuzzle. I invite you to solve it. You will enjoy it.

In addition to these new features, the current issue brings to you four articles. A paper, titled, *Streamer positioning for advanced 3D and 4D applications* discusses the importance of position accuracy in marine data acquisition. *Pre-stack Migration Aperture- An Overview* is of relevance to geophysicists engaged in seismic data acquisition and processing. The third paper, *Use of Simple 2-D Filters to Reduce Footprint Noise in Seismic Data* provides a much needed insight into use of simple, but powerful tool for reducing acquisition footprints. This is of relevance for amplitude based analysis of 3-D and 4-D stack volumes. Another paper, "*Estimation of various physical parameters from BSR and quantification of Gas Hydrates- A Case Study*" is of immediate significance for exploration of gas hydrates.

As I said at the beginning, character of a journal reflects the vibrancy of its readership. Our aim is to impart Geohorizons a character such that you look forward to receiving every new issue with a sense of curiosity and enthusiasm. I am sure that with your active involvement, it will be possible to realize this dream.

Sincerely yours,

C. H. Mehta