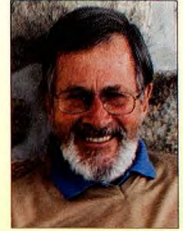


Editorial



This issue provides a collection of interesting refereed paper, notes, reviews and letters. We are grateful to the French Service Hydrographique et Oceanographique de la Marine for permission to translate papers from its Annales Hydrographique. We would also like to thank the Fédération Internationale de Geomètres for its consent to reprint its publication 37 "A FIG Guide on the Development of a Vertical Reference Surface for Hydrography". This paper provided a useful reference to other papers that have been published in this review. Undoubtedly, the merging of marine and terrestrial data sets requires a common reference frame, as may be noted in the paper on a "Seamless Digital Terrain Model". A paper dealing with "Marine Sandwave Dynamics" will interest all those who must deal with a changing seafloor. Interestingly this connects with a paper "Re-Surveying Decision Support Methodology" because the decision on how frequently to re-survey is closely associated with the mobility of the seafloor.

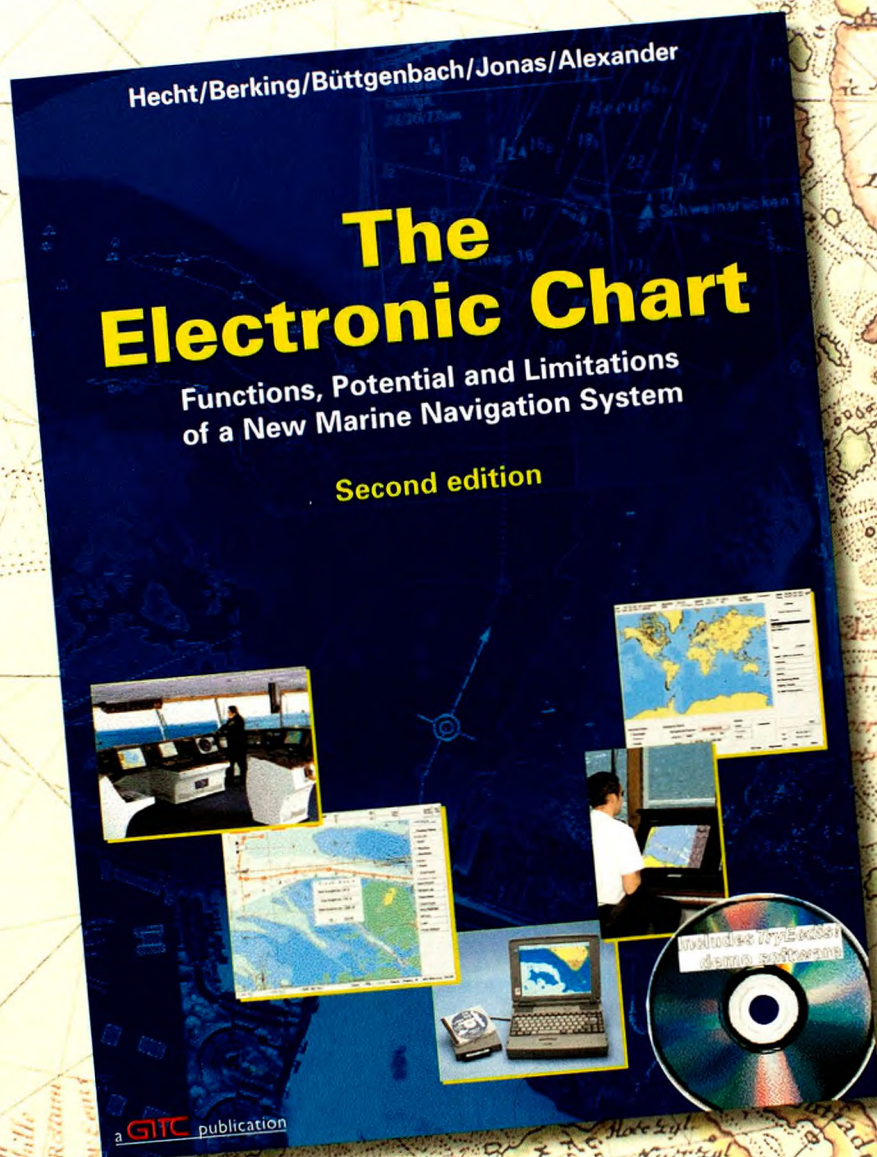
The complex world of managing swath data remains a subject for research, whether it is dealing with acoustic data or lidar data. Thus we have another of Brian Calder's seminal papers on algorithms for managing multi-beam acoustic data. A letter questions views on lidar for object detection published in an earlier issue of this journal.

Electronic charts continue in the forefront of navigational interest. In this issue we have a report on a survey of the use of such systems. We also have a report on the development of the new data exchange format S-100. Finally we have a review of the Second Edition on "The Electronic Chart."

To complete this issue there is a book review on a report of an interesting but little known expedition of the eighteenth century.

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