Iceland Coastal and River Symposium, Proceedings, edited by Guttormur Sigbojarnarson, 1986, National Energy Authority, Reykjavik, 387p., No ISBN.

This book includes the proceedings of an international meeting held in Reykjavik in September 1985. The meeting was prepared under Per Bruun's leadership, a scientist well known throughout the world for his studies on coast stability and/or erosion and their causes. Indeed the larger part of the papers cover coastal dynamics, although several concern streams, with which beach evolution has, of course, connections through sediment supply.

Bruun's paper may be considered as an excellent introduction since he discusses the coastal sediment balance as exemplified by the south coast of Iceland, also the subject of some presentations and visited by the participants after the symposium (a field trip reviewed in this Journal, vol. 2, n. 2, 1986, pp. 219-224). Global sea-level rise has been confirmed by tidal gauge records, and its causes were discussed during the meeting, particularly by Hoffman et al., who propose an anthropic global warming of the earth, so that coastal evolution depends primarily on the amount of river sediment transported to the sea, unless artificial nourishment occurs. Yet, although shoreline retreat is experienced in a very large number of sites around the world, local situations are complex, and sealevel rise differs considerably from site to site, e.g. along the eastern coast of the United States (from 1.0 to 4.0 mm/year with a peak near Cape Hatteras, according to Lisle). On the other hand, a part of Bruun's statements have been contested by Pizzuto, whose results in Delaware Bay do not show an offshore transport sediment as sea-level rises: in that area, as barriers migrate landward, sediment is supplied from offshore.

The North Sea coasts of Europe have provided several fruitful studies, particularly in the German Bight where the effects of different tidal ranges have been analyzed. Partensky and Dieckmann suggest that the sediment of the German tidal marshes comes from the bottom of the North Sea, a conclusion which was previously held in the Netherlands, but is now disputed (see Postma *Marine Geology*, vol. 40, 1981, pp. 199–213). Thus the problem of sediment sources seems unresolved here, and elsewhere. The paper on Scolt Head Island in Norfolk, England, on ebb and flow velocities of currents in tidal creeks, is an example of new trends in coastal marsh studies.

Rocky coasts have not been excluded from the scope of the symposium, since they appear in a paper on Icelandic strandflats, and another one on cliffs in the Lias (Jurassic) of South Wales, in both cases, considering erosion processes so widening the examination of coastal dynamics. Interaction between volcanism and coastal sedimentation is also discussed for Icelandic sites (mainland and Surtesy Island).

These proceedings will be quite useful in that they include a set of papers showing, beside general ideas and facts, different procedures in the changing field of modern coastal and stream research.

> André Guilcher University of Brest Brest, France

Wave Dynamics and Radio Probing of the Ocean Surface, edited by O. M. Phillips and Klaus Hasselmann 1986, Plenum Press, New York and London, \$US 95.00 (Hardbound) 694 pp., ISBN 0-306-41992-0.

This book is the proceedings of a symposium with the same name, held May 13-20 1981, in Miami, Florida. It is an advanced text giving results of current research by some of the leading specialists in their fields. It assumes some knowledge of the physics of wind wave growth, the different spectral forms, wave statistics and wave/wave interactions. While it will primarily be a book for wave specialists it will also be of great interest anyone wanting to know the state of the art. The papers generally contain review material with frequent reference to the original works. Hence a new reader could use this book with reference back to the original texts where necessary. The five years that have elapsed between the symposium and publication might suggest that the material is somewhat outdated. However this is not the case as the reporting of the discussion following papers contains much current thinking and in some cases papers have been updated with notes added in proof and additional references.

The book contains 45 papers divided into 7 sections. Some idea of the breadth of subject matter can be gauged by summarizing these sections. "Ocean Wave Spectra" begins with a comprehensive review of the equilibrium range in the wave spectrum (Kitaigorodskii). There