

All of the encyclopedic entries are not for everyone but there should be at least some articles that are of direct or ancillary interest. The contributions that I thought might be of general interest to coastal specialists, depending on your specialization, include the following entries: Aquifer; Aral Sea; Bernoulli Energy Equation; Black Sea Environment; Caspian Sea; Current Metering; Deltaic Plains; Desalinization; El Niño; Estuarine Hydrology; Everglades, Florida, USA; Florida Bay: Status & Restoration; Ghyben-Herzberg Theory; Greenhouse Effect; Hydrology; Hydrology: Coastal Terrain; Limnology; Maritime Climate, Oceanicity; Maritime Zones; Monsoon Climate; Remote Sensing; Saltwater Wedge; Sea Level: Mean; Seiche; Suspended Sediment Monitoring; Thames Basin; and Water Resources: Introduction. Well, that's a broad topical spread and a fairly good cross-section of the hydrological smorgasbord. There are, no doubt, many other topics that are related to coastal interests. Even if you were interested in all of these topics, it probably would not justify the cost of the book for personal use. I thus urge you to encourage your home institutions to purchase the book so those researchers in other fields can use it as well. Over time, the book will earn its keep on the reference shelf because the subject matter (water and hydrology) will become more important to issues of environmental sustainability and quality of water resources, including those in the coastal zone.

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H.F. Taylor, 1997. *Cement Chemistry*. London: Thomas Telford, 459p. ISBN 0-7277-2592-0. Hardbound, £65, US\$110.00.

This book addresses the chemistry of the principal silicate and aluminate cements used in building and civil engineering. It covers the historical development as well as the latest research emphasizing the underlying basic science. Subjects specifically dealt with include (a) the chemistry of Portland Cement and the nature of the product, (b) the processes that occur when the product is mixed with water, (c) the nature of the hardened material, (d) the chemistry of other types of hydraulic cement, and (e) the chemical and microstructural aspects of concrete, including processes that affect durability.

For the marine environment, paragraphs on "Sea Water Attack" and "Bacterial Attack" are of particular interest. Among other things it is stated that as with concrete for use in other severe environments, the most important conditions for ensuring satisfactory performance are that it should be of high cement content, of low W/C (water over cement) ratio, of high strength and properly made, with adequate cover for the reinforcement, and wet cured before being exposed to sea water. Regarding bacterial attack it is said "the normal sewage is alkaline and does not significantly attack Portland cement directly, but severe damages can arise through formation of H_2SO_4 by processes in which bacterial action plays a part." Details of that process are well explained.

The book is a comprehensive coverage of all factors related to the production of cements of a great variety including also admixtures and special uses of cements. The Romans used volcanic pozzolanas and such ancient structures are still there. The book will in particular be of great benefit to those with a background in chemistry, materials science and related fields including the latest developments in the combined fields.

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BOOKS RECEIVED

Taylor, H.F., 1997. *Cement Chemistry*. London: Thomas Telford, 459p. ISBN 0-7277-2592-0. Hardbound, £65, US\$110.00.

Trenhaile, A.S., 1997. *Coastal Dynamics and Landforms*. New York: Oxford University Press, 366p., ISBN 0-19-823353-1, Hardbound, US\$130.00.

JOURNALS, CHARTS AND REPORTS RECEIVED

Acta Oceanologica Sinica (Chinese Journal of Oceanology),

1998, Volume 20, Numbers 3 and 4. The Library of Chinese Academy of Sciences, 8 Kexueyuan Nanlu, Zhongguancun, Beijing, China. [ISSN 0253-4193]

Coastal Engineering: An International Journal for Coastal, Harbour and Offshore Engineers, 1998, 35(4) Elsevier Science, P.O. Box 211, 1000 AE Amsterdam, The Netherlands. [ISSN 0378-3839]

Oceanologica Acta (European Journal of Oceanology), 1998. Volume 21, Number 3. Gauthier-Villars, 141 rue de Javel, F-75747 Paris Cedex 15, France. [ISSN 0399-1784]