

Modeling depositional parameters of modern carbonates

(compiled by Eberli et al., 1999)

- Abel, C. E., Tracy, B. A., Vincent, C. L., and Jensen R. E., 1989, Hurricane Hindcast Methodology and Wave Statistics for Atlantic and Gulf Hurricanes from 1956-1975. Dept. of the Army P.24-30.
- Acker, K. L. and Risk, M. J., 1985, Substrate destruction and sediment production by the boring sponge *Cliona caribbaea* on Grand Cayman Island. *Journal of Sedimentary Petrology*, v. 55, p. 705-711.
- Aqrawi, A. A. M., 1994, Petrography and mineral content of sea-floor sediment of the Tigris-Euphrates Delta, North-west Arabian Gulf, Iraq. *Estuarine, Coastal and Shelf Science*, v. 38, p. 569-582.
- Aronson, R. B., Precht, W. F., and Macintyre, I. G., 1998, Extrinsic control of species replacement on a Holocene reef in Belize: the role of coral disease. *Coral Reefs*, v. 17, p. 223-230.
- Austin JA, Schlager W, Palmer A., et al., 1986, Proceedings, Initial Results, Ocean Drilling Program, Leg 101. U.S. Government Printing Office, Washington, pp 569.
- Austin, J.A.Jr., Schlager, W., et al., 1988, Proc. ODP, Sci. Results, 101: College Station TX (ODP), 1-501.
- Ball, M. M., 1967, Carbonate sand bodies of Florida and the Bahamas. *Journal of Sedimentary Petrology*, v. 37, p. 556-591.
- Basson, P., Burchard, J. H., Hardy, J. T. and Price, A., 1977, Biotopes of the western Arabian Gulf. Aramco Department of Loss Prevention and Environmental Affairs, Dharhan, Saudi Arabia, 284 p.
- Behairy, A.K.A., El-Sayed, M.K., and Durgaprasda Rao, N.V.N., 1985, Eolian dust in the coastal area north of Jeddah, Saudi Arabia. *J. Arid. Environ.* 8, p. 89-98.
- Boardman, M.R. and Neumann, C.A., 1984, Sources of periplatform carbonates: Northwest Providence Channel, Bahamas. *Journal of Sedimentary Petrology*, v. 54, p. 1110-1123.
- Boothroyd, J. C. and Hubbard, D.K., 1975, Genesis of bedforms in mesotidal estuaries. In: Cronin L.E. (ed.) *Estuarine Research, Geology and Engineering*, 2. Academic Press, New York, p. 217-234.
- Bosence, D., 1989, Biogenic carbonate production in Florida Bay: *Bulletin of Marine Sciences*, v. 44, p. 419-433.

Boss, S. K. and Neumann, A. C., 1993, Physical versus chemical processes of 'whiting' formation in the Bahamas. *Carbonates and Evaporites*, v. 8, p. 135-148.

Boss, S. K. and Rasmussen, K. A., 1995, Misuse of Fisher plots as sea level curves. *Geology*, v. 23, p. 221-224.

Bosscher, H., 1992, Growth potential of coral reefs and carbonate platforms, Ph.D. thesis, Vrije Univeriteit, Amsterdam, 160 pp.

Bosscher, H., and Schlager W., 1992, Computer simulation of reef growth. *Sedimentology*, v. 39, p. 503-512.

Broeker, W. S. and Takahashi, T., 1966, Calcium carbonate precipitation on the Bahamas Banks. *Journal of Geophysical Research*, v. 71, p. 1575-1602.

Buchanan, H. 1970, Environmental stratigraphy of Holocene carbonates sediments near Frazer Hog Cay, British West Indies. PhD thesis, Columbia University, 299 p.

Burke, C. D., Mazzullo, S. J., Bischoff, W. D., and Dunn, R. K., 1992, Environmental Setting of Holocene Sabellariid worm reefs, Northern Belize.. *Palaios*, v. 7, p. 118-124.

Burke, C. D., McHenry, T. M., Bischoff, W. D., and Mazzullo, S. J., 1998, Coral diversity and mode of growth of lateral expansion patch reefs at Mexico Rocks, Northern Belize Shelf, Central America.: *Carbonates & Evaporites*, v. 13/1, p. 32-42.

Burke, R. B., 1982, Reconnaissance study of the geomorphology and benthic communities of the outer barrier reef platform, Belize., in Ruetzler, K. and Macintyre, I. G., eds., *The Atlantic barrier reef ecosystem at Carrie Bow Cay, Belize I. Smithsonian Contribution to the Marine Sciences*, v. 12, p. 509-526.

Chalker, B. E., Barnes, D. J., Dunlap, W. C., and Jokiel, P. L., 1988, Light and reef-building coral: *Interdisciplinary Science Review*, v. 13, p. 22-237.

Cloud, P. E., 1962. Environment of Calcium Carbonate Deposition west of Andros Island, Bahamas. *U.S. Geol. Surv. Prof. Pap.*, v. 350, 438 p.

Coles, S. L. and Fadlallah, Y. H., 1991, Reef coral survival and mortality at low temperature in Arabian Gulf, new species-specific lower temperature limits. *Coral Reefs*, v. 9, p. 231-237.

Coles, S. L., 1992, Experimental comparison of salinity tolerance of reef coral from Arabian Gulf and Hawaii. Evidence of hypersaline adaptation. *Seventh International Coral reef Symposium*, p. 227-234.

Coles, S. L., and Y. H. Fadlallah, 1991, Reef corals survival and mortality at low temperature in the Arabian Gulf : new species-specific lower temperature limits. *Coral Reefs*, v. 9, p. 231-237.

Cook, H. E. and Mullins, H. T., 1983, Basin Margin Environment. In: Scholle P.A., Bebout, D. G. and Moore, C. H. (eds.) *Carbonate depositional environments*. AAPG Memoir v. 33, p. 539-618.

Crevello, P. D., and Schlager, W., 1980, Carbonate Debris sheets and turbidites, Exuma Sound, Bahamas: *Journal of Sedimentary Petrology*, v. 50, p. 1121-1148.

Crutcher, H. L., and Quayle, R. G., 1974, *Mariners world-wide climatic guide to tropical storms at sea*. U.S. Naval Weather Service Command, p. 426.

Cry, G.W., 1965, Tropical cyclones of the North Atlantic Ocean: tracks and frequencies of hurricanes and tropical storms, 1871-1963. U. S. Weather Bureau Technical Paper 55, p. 148.

Davies, P.J. and Hopley, D., 1983, Growth fabrics and growth rates of Holocene reefs in the Great Barrier Reef. *BMR Bulletin of Australian Geology and Geophysics*, v. 8, p. 237-251.

Defant, A., 1961, *Physical oceanography*. London, Pergamon Press, v. 2, 598 p.

Department of the Navy, Oceanographic Office, 1967, *Environmental Atlas of the Tongue Of the Ocean, Bahamas*. U. S. Naval Oceanographic Office, Special Publication 94.

Department of the Navy, Oceanographic Office, 1967, *Major Currents in the North and South Atlantic Oceans Between 64°N and 60°S*. Naval Oceanographic Office Washington, D. C. 20390 p. 5-48.

Department of the Navy, Oceanographic Office, 1977. *Surface Currents: Southwest North Atlantic Ocean*. Naval Oceanographic Office Special Publication 1400-NA 9 NSTL Station, Miss. 39522.

Downing, N., 1985, Coral reef communities in an extreme environment: The Northwest Arabian Gulf. *Proceedings of 5th International Coral Reef Congress, Tahiti*, v. 6, p. 343-348.

Dravis, J.J., 1977, *Holocene sedimentary depositional environments on Eleuthera Bank, Bahamas*. M. S. thesis, University of Miami, 386 p.

Ebanks, W.J., 1967, *Recent carbonate sedimentation and diagenesis, Ambergris Cay, British Honduras*. PhD thesis, Rice University, 189 p.

Eberli, G.P. and Ginsburg, R.N., 1987, Segmentation and coalescence of platforms, Tertiary, NW Great Bahama Bank: *Geology*, v. 15, p. 75-79.

Eberli, G.P. and Ginsburg, R.N., 1988, Aggrading and prograding infill of buried Cenozoic seaways, Northwestern Great Bahama Bank: *in* A.W. Bally, ed., *Atlas of Seismic Stratigraphy*. American Association of Petroleum Geologists Studies in Geology Series # 27, vol. 2., p. 97-103.

Eberli, G.P. and Ginsburg, R.N., 1989, Cenozoic progradation of NW Great Bahama Bank - A record of lateral platform growth and sea-level fluctuations: *in* "Controls on Carbonate Platform and Basin Evolution", P.D. Crevello et al. (eds.), Society of Economic Paleontologists and Mineralogists Special Publication 44, p. 339-355.

Eberli, G.P., Kendall, C.G.St.G., Moore P., Whittle, G.L. and Canon R., 1994, Testing a seismic interpretation of the Great Bahama Bank with a computer simulation. *American Association of Petroleum Geologists Bulletin*, v. 78/6, p. 981-1004.

Eberli G. P., Grammer, G. M., and Harris, P. M., 1998. Sequence stratigraphy and reservoir distribution in a modern carbonate platform. AAPG Core Workshop and Field Seminar, Guidebook. 670 p.

Eberli, G., P. Swart, M. Malone, et al., 1997, Proceedings ODP Leg 166, Init. Reports, pp. 850

Emery, K.O., 1956, Sediments and water of the Persian Gulf. *Bull. AAPG*, 40, p. 2354-2383.

Emiliani, C., 1965, Precipitous continental slopes and considerations on the transitional crust. *Science*, v. 147, p. 145-148.

Enos, P. and Sawatsky, L. H., 1981, Pore networks in Holocene carbonate sediments. *Journal of Sedimentary Petrology*, v. 51, p. 961-985.

Enos, P., 1974, Map of surface sediment facies of the Florida-Bahama Plateau. Geological Society of America Map series MC-5, Boulder/CO.

Enos, P., 1983, Shelf Environment. In: Scholle P.A., Bebout, D. G. and Moore, C. H. (ed.) *Carbonate depositional environments*. AAPG Memoir, Tulsa, p. 267-295.

Enos, P., 1991, Sedimentary parameters for computer modeling. In: Franseen, E. K., Watney, W. L., Kendall, C. St. C. G. and Ross, W., (eds.), *Sedimentary modeling: computer simulation and methods for improved parameters definition*, Kansas geological Survey, v. 233, p. 63-99.

Evans, G., Murray, J.W., Biggs, H.E.J., Bate, R. and Bush, P.R., 1973, The oceanography, ecology, sedimentology and geomorphology of parts of the Trucial

Coast barrier island complex. In: Purser, B.H. (ed.) *The Persian Gulf: Holocene carbonate sedimentation in a shallow epicontinental sea*. Springer-Verlag, New York. p. 233-278.

Fadlallah, Y. H., Allen, K. W. and Estudillo, R. A., 1993, Damage to shallow reef corals in the Gulf is caused by periodic exposures to air during extreme low tides and low water temperatures (Tarut Bay, Eastern Saudi Arabia). *Colloquium on Global Aspects of Coral Reefs*, p. 371-377.

Fairbanks, R.G., 1989, A 17,000-year glacio-eustatic sea level record: Influence of glacial melting rates on the Younger Dryas event and deep-ocean circulation. *Nature*, v. 342, p. 637-642.

Falkowski, P. G., Jokiel, P. L., and Kinzie, R. A. III, 1990, Irradiance and corals, In: Dubinsky, Z. (ed.) *Coral reef: Ecosystem of the world*, v. 25, p. 89-107.

Freile, D., Milliman, J. D., and Hillis, L., 1995, Leeward bank margin *Halimeda* meadows and draperies and their sedimentary importance on the western Great Bahama Bank slope. *Coral Reefs*, v. 14, p. 27-33.

Fuglister, F.C., 1947, Average monthly sea surface temperatures of the western North Atlantic Ocean: M.I.T. and Woods Hole Oceanographic Institute., *Papers in physical oceanography and meteorology*, v. X, 25 p.

Fütterer, D. K., 1974, Significance of the boring sponge *Cliona* for the origin of fine grained material of carbonate sediments. *Journal of Sedimentary Petrology*, v. 44, p. 79-84.

Gentry, R.C., 1971, Hurricanes, one of the major features of air-sea interaction in the Caribbean Sea. In *Symposium on Investigations and Resources of the Caribbean Sea and Adjacent region*, Curacao, Nov. 18-26, 1968. Preparatory to CICAR, UNESCO, Paris, p. 80-87.

Ginsburg, R. N., Harris, P. M., Eberli, G. P., and Swart, P. K., 1991, The growth potential of a bypass margin, Great Bahama Bank: *Journal of Sedimentary Petrology*, v. 61, p. 976-987.

Gischler, E., 1994, Sedimentation of three isolated carbonate platforms, Belize, Central America. *Facies*, v. 31, p. 243-254.

Gischler, E. and Hudson, J. H., 1998, Holocene development of three isolated carbonate platforms, Belize, Central America.. *Marine Geology*, v. 144, p. 333-347.

Gischler, E. and Lomando, A. J., 1997, Holocene cemented beach deposits in Belize. *Sedimentary Geology*, v. 110, p. 277-297.

Gischler, E. and Lomando, A. J., 1999, Recent sedimentary facies of isolated carbonate platforms, Belize-Yucatan system, Central America. *Journal of Sedimentary Research*, v. 69/3, p. 747-763.

Gonzalez, R., and Eberli, G. P., 1997, Sediment transport and sedimentary structures in a carbonate tidal inlet; Lee Stocking Island, Exumas Islands, Bahamas: *Sedimentology* v. 44, p. 1015-1030.

Grammer, G.M., Ginsburg, R.N. and Harris, P.M., 1993, Timing of deposition, diagenesis, and failure of steep carbonate slopes in response to a high-amplitude/ high-frequency fluctuation in sea level, Tongue of the Ocean, Bahamas. In: Loucks, R.G. and Sarg, J.F. (eds.), *Carbonate Sequence Stratigraphy*, AAPG Memoir 57, p. 107-131.

Grammer, G.M., Ginsburg, R.N. and McNeill, D.F., 1991, Morphology and development of modern carbonate foreslopes, Tongue of the Ocean, Bahamas. 12th Caribbean Geological Conference St. Croix U.S.V.I., p. 27-32.

Grasshoff, K., 1976, Review of hydrographical and Productivity Conditions in the Arabian Gulf Region. In Report of Consultation Meeting on Marine Science Research for Gulf Area. UNESCO technical papers in marine science, Paris, 26. p. 39-62.

Graus, R. R. and Macintyre, I. G., 1989, The zonation pattern of Caribbean coral reefs as controlled by wave and light energy input, bathymetric setting and reef morphology: computer simulation experiments: *Coral Reefs*, v. 8, p. 9-18.

Graus, R. R., Macintyre, I. G., and Herchenroder, B. E., 1984, Computer simulation of the reef zonation at Discovery Bay, Jamaica: hurricane disruption and long term physical oceanographic control: *Coral Reefs*, v. 3, p. 59-68.

Greer, J.E. and B. Kjerfve, 1982, Water currents adjacent to Carrie Bow Cay, Belize: *Smithsonian Contributions to the Marine Sciences*, v. 12, p. 53-58.

Halley, R. B., Harris, P. M. and Hine, A. C., 1983, Bank margin. In: Scholle P.A., Bebout, D. G. and Moore, C. H. (eds.) *Carbonate depositional environments*. AAPG Memoir v. 33, p. 463-506.

Halley, R.B. and Harris, P.M., 1979. Freshwater cementation of a 1,000-year old oolite. *Journal of Sedimentary Petrology*, v.49, p. 969-988.

Hallock, P.,

Hallock, P. and Schlager, W., 1986, Nutrient excess and the demise of coral reefs and carbonate platforms: *Palaios*, v. 1, p. 389-398.

Hallock, P., Cottey, T. L., Forward, L. B., and Halas, J., 1986, Population biology and sediment production of *Archias Angulatus* (foraminifera) in Largo Sound, Florida: *Journal of Foraminifer Research*, v. 16/1, p. 1-8.

Halpern, D., Zlotnicki, V. Newman, J., Dixon, D., Brown, O., and Wentz, F., 1992, An Atlas of Monthly Mean Distributions of GEOSAT Sea Surface Height, SSMI Surface Wind Speed, AVHRR/2 Sea Surface Temperature, and ECMWF Surface Wind Components During 1987. JPL publication 92-3.

Hardie, L.A. 1977, Sedimentation on the modern carbonate tidal flats of North-west Andros Island, Bahamas: Baltimore, The Johns Hopkins University Press, The Johns Hopkins Studies in Geology, No. 22, 202pp.

Hardie, L.A. and Shinn, E.A., 1986, Carbonate Depositional Environments, Modern and Ancient; Part 3: Tidal Flats. *Colorado School of Mines Quarterly* 81(1): 1-74.

Harris P. M. and Kowalik, W. S., 1994, Satellite images of carbonate depositional settings - Examples of reservoir- and exploration-scale geologic facies variation: AAPG Methods in Exploration Series No. 11, 147 p.

Harris, P. M., 1979, Facies anatomy and diagenesis of a Bahamian ooid shoal. *Sedimenta VII.*, Univ. of Miami, FL., 163 p.

Harris, P. M., 1983, The Joulters ooid shoal, Great Bahama Bank. In: Peryt, T. M., (ed.) *Coated grains*: Springer Verlag, New York, p. 132-141.

Harris, P.M., Kerans, C. and Bebout., D.G., 1993, Ancient outcrop and modern examples of platform carbonate cycles - implications for subsurface correlation and understanding reservoir heterogeneity. *AAPG Memoir* v. 57, p. 475-492.

Hein, F. J., Risk, M. J., 1975, Bioerosion of coral heads: Inner patch reefs, Florida Reef tract.. *Bull. Mar. Sci.*, v. 25, p. 133-138.

Hibbert, D., 1980, The Gulf weather forecast scheme-21years on. *Proceedings Petroleum and the Marine Environment-Petromar 80*, Monaco, p.635-663.

Hillis, H., 1997, Coralgal reefs from a calcareous green alga perspective, and a first carbonate budget. *Proceeding of the 8th international Coral Reef Symposium*, Panama, v. 1, p. 761-766.

Hine, A. C. and Neumann, A. C., 1977, Shallow Carbonate-Bank-Margin Growth and Structure, Little Bahama Bank, Bahamas. *AAPG Bull.* v. 61, p. 376-406.

Hine, A. C., 1977, Lily Bank, Bahamas; history of an active oolite sand shoal. *Journal of Sedimentary Petrology* v. 47, p. 1554-1581.

Hine, A. C., Wilber, R. J. and Neumann, A. C., 1981-b, Carbonate sand bodies along contrasting shallow bank margins facing open seaways in northern Bahamas. AAPG Bull., v. 65, p. 261-290.

Hine, A. C., Wilber, R. J., Bane, J. M., Neumann, A. C. and Lorenson, K. R., 1981-a, Offbank transport of carbonate sands along open, leeward bank margins: northern Bahamas. Mar. Geol., v. 42, p. 327-348.

Homewood, P. W., 1996, The carbonate feedback system: interaction between stratigraphic accommodation, ecological succession and the carbonate factory. Bulletin de la Société Géologique de France. v. 167, n° 6, p. 701-715.

Hoskin, C. M., Reed, J. K., and Mook, D. H., 1986, Production and off-bank transport of carbonate sediment, black rock, southwest Little Bahama Bank. Marine Geology, v. 73, p. 125-144.

Hottinger, L., 1993, Sel nutritifs et biosédimentations. In: Bourrouilh-Le Jan, F. G. (ed.), Carbonates intertropicaux. Mémoires de la Société Géologique de France, v. 169: Paris, p. 436.

Hughes Clarke, M.W. and Keij, A.J., 1973, Organisms as producers of carbonate sediment and indicators of environment in the southern Persian Gulf. In Purser (ed.), The Persian Gulf: Holocene carbonate sedimentation in a shallow continental sea. Springer-Verlag, New York. p. 33-56.

Hughes, P. and J. Hunter, 1979, A proposal for a physical oceanography program and numerical modeling of the KAP region. Project for KAP 2/2, UNESCO, Paris.

Hughes, T., 1983, Life histories and growth rate of coral over a depth gradient: The ecology of Deep and Shallow Coral, Symposium. Ser. Undersea Res., p. 17-20.

Hunter, J.R., 1983, Aspects of the dynamics of the residual circulation of the Arabian Gulf. In Coastal Oceanography, p. 31-42.

Hunter, J.R., 1984, A review of the residual circulation and mixing processes in the KAP region. In Oceanographic modelling of the Kuwait Action Plan region. UNESCO Reports in Marine Sciences. 28, p. 37-45.

Hutchings, P. A., 1986, Biological destruction of coral reefs: a review. Coral Reefs, v. 4, p. 239-252.

Hsu, K. J. and Schneider, J. F., 1973, Progress report on dolomitization, Abu Dhabi Sabkas, Arabian Gulf, in Purser (ed.), The Persian Gulf: Holocene carbonate sedimentation in a shallow continental sea. Springer-Verlag, New York. p. 409-422.

Illings, L. F., Wells, A. J. and Taylor, J. M. C., 1965, Penecontemporaneous dolomite in the Persian Gulf. *In* Pray, L. C. and Murray R. C. (Eds.), Dolomitization and limestone diagenesis: S.E.P.M. Special Publication 13, p. 89-113.

Isemer, H.-J. and Hasse, L., 1985. The Bunker climate atlas of the north Atlantic Ocean. Springer Verlag, p. 342.

James, N. P. and Ginsburg, R. N., 1979, The seaward margin of Belize barrier and atoll reefs. *International Association of Sedimentologist, Special Publication*, v. 3, 191 p.

John, V.C., 1992, Circulation and mixing processes and their effect on pollutant distribution in the western Arabian Gulf. *Applied Ocean Research*, 14 p.59-64.

John, V.C., 1992, Harmonic tidal current constituents of the western Arabian Gulf from moored current measurements. *Coastal Engineering*, 17 p.145-151.

John, V.C., P.K. Kruss and Y.H. Fadlallah, 1991, Oceanographic monitoring program of the western Arabian Gulf. *Marine Technology Society Journal*, 25 (2), p. 22-28.

John, V.C., S.L. Coles and A.I. Abozed, 1990, Seasonal cycles of temperature, salinity and water masses of the western Arabian Gulf. *Oceanologica Acta*, 13 (3), p. 273-281.

Jokiel, P. L. and Coles, S. L., 1977, Effect of temperature on the mortality and growth of Hawaiian reef corals. *Marine Biology*, v. 43, p. 201-208.

Jokiel, P. L. and Coles, S. L., 1990, Response of Hawaiian and other Indo-pacific reef coral to elevated temperature. *Coral Reefs*, v. 8, p. 155-162.

Jones, D.A., 1986, A field guide to the seashores of Kuwait and the Arabian Gulf. University of Kuwait and Blanford press, Poole.

Kain, J. M., and T. A. Norton, 1990, Marine ecology, in C. K. M., and R. G. Sheath, eds., *Biology of the red algae*, Cambridge, Cambridge University Press, p. 377-422.

Kassler, P., 1973, The structural and geomorphic evolution of the Persian Gulf, *in* Purser, B. H. (eds.) *The Persian Gulf: Holocene Carbonate Sedimentation and Diagenesis in a Shallow Epicontinental Sea*, 471 p.

Kendall, C. G., and P. A. Skipwith, 1968, Recent algal mats of a Persian Gulf lagoon. *Journal of Sedimentary Petrology*, v. 38, p. 1040-1058.

Kenter, J. A. M., 1990, Carbonate platform flanks: slope angle and sediment fabric: *Sedimentology*, v. 37, p. 777-794.

Kier, J.S., And Pilkey, O.H., 1971, The influence of sea-level changes on sediment carbonate mineralogy, Tongue of the Ocean, Bahamas. *Marine Geology*, v. 11, p. 189-200.

Kinsman, D.J.J., 1964, The recent carbonate sediments near Halat el Bahrani, Trucial Coast, Persian Gulf. *In* Deltaic and shallow marine deposits. *Developments in Sedimentology*, Elsevier, v. 1, p. 185-192.

Kjerfve, B., 1978, Diurnal energy balance of a Caribbean barrier reef environment. *Bulletin of Marine Science*, v.28(1), p. 137-145.

Knauss, J. A., 1997, *Introduction to Physical Oceanography*. Prentice Hall p.243

Koske, P., 1972, Hydrographische Verhältnisse im Persischen Golf. Beobachtungen von F.S. Meteor in Frühjahr 1965. *Meteor Forsch Ergbnbn Gebrüder Borntraeger*, Berlin, p. 58-73.

Lees, G.M. and N.L. Falcon, 1952, The geographical history of the Mesopotamian plains. *Geogr. Jour.*, v. 118. p. 24-39.

Kukal, Z. and A. Saadallah, 1973, Aeolian admixtures in the sediments of the northern Persian Gulf. *In* Purser, B.H. (ed.) *The Persian Gulf: Holocene carbonate sedimentation in a shallow epicontinental sea*. Springer-Verlag, New York. p. 115-122.

Lees, G. M., 1948, The physical geography of southeast Arabia. *Geographical Journal*, v. 121, 441 p.

Lees G. M. and Falcon, N.L., 1952, The geographical history of the Mesopotamian plains. *Geographical Journal*, v. 116, p. 24-39.

Lehr, W.J., 1984, A brief survey of oceanographic modelling and oil spill studies in the KAP region. *UNESCO Reports in Marine Sciences*. 28, p. 4-11.

Liddell, W. D., Avery, W. E., and Ohlhorst, S. L., 1997, Pattern of benthic community structure, 10-250m, the Bahamas. *Proceeding of the 8th international Coral Reef Symposium*, v. 1, p. 437-442.

Lighty, R.G. and Lighty, K.A., 1980, Difference in reef sediment character between an inactive barrier reef (Bahamas) and an active barrier reef (Belize, Central America). *In: Abstracts with Programs*, 1980. p. 471-472.

Littler, M. M. and Littler, D. S., 1984, A relative dominance model for biotic reefs: *Advances in reef sciences*, Miami, Florida, The Atlantic Reef committee, Rosenstiel School of Marine and Atmospheric Science and The International Society for Reef Studies, p. 73-74.

Littler, M. M., Littler, D. S., and D., H. M., 1991, Deep-water rhodolith distribution, productivity and growth history at sites of formation and subsequent degradation. *Journal of Experimental Biology and Ecology*. v. 150, p. 163-182.

Lomando, A.J., 1999, Structural influences on facies trends of carbonate inner ramp systems, examples from the Kuwait-Saudi Arabian Coast of the Arabian Gulf and Northern Yucatan, Mexico. *GeoArabia*, v, 4, p. 339-360.

Lugo-Fernandez, A., 1989, Wave Height Changes and Mass Transport on Tague Reef, North Coast of St. Croix, U. S. Virgin Islands. Unpub. Ph. D. disseration, The Louisiana State University and Agricultural and Mechanical Col.

Macintyre, I. G., 1972, Submerged reefs of eastern Caribbean. *AAPG Bulletin*, v. 56, p. 720-738.

Macintyre, I. G., Burke, R. B. and Stuckenrath, R., 1977, Thickest recorded Holocene reef section, Isla Pérez core hole, Alacran Reef, Mexico. *Geology*, v. 5, p. 749-754.

Macintyre, I. G., Graus, R. R., Reinthal, P. N., Littler, M. M. and Littler, D.S., 1987, The barrier reef sediment apron: Tobacco Reef, Belize. *Coral Reefs*, v. 6, p. 1-12.

Major, R. P., Bebout, D. G., and Harris, P. M., 1996, Facies heterogeneity in a modern ooid sand shoal - An analog for hydrocarbon reservoirs. Bureau of Economic Geology, Geological Circular 96-1, University of Texas at Austin, 30 p.

Maldonado, M. and Young, C. M., 1996, Bathymetric patterns of sponge distribution on the Bahamian slope. *Deep-Sea Research*, v. 43/6, p. 897-915.

Masaferro, J. and G.P. Eberli, 1999, Jurassic-Cenozoic structural evolution of southern Great Bahama Bank, southern Bahamas, *In: P. Mann (ed.) " Caribbean Basins, Sedimentary Basins of the World, 4"*, Elsevier, Amsterdam, p. 167-193.

Masaferro, J.L., Poblet, J., Bulnes, M., Eberli, G.P., Dixon, T.H., and McClay, K., 1999, Paleogene – Neogene/present day(?) growth detachment folding in the Bahamian foreland in the Cuban fold and thrust belt. *Journal of the Geological Society*. v. 156, p. 617-631.

Matthews, C.P., M. Samuel and M.H. Al-Attar, 1979, The oceanography of Kuwait waters: some effects of fish population and on the environment, Annual Research Report 1979, Kuwait Institute for Scientific Research, Kuwait.

Mazzullo, S. J. and Bischoff, W., 1992, Meteoric calcitization and incipient lithification of recent high-magnesium calcite muds, Belize. *Journal of Sedimentary Petrology*, v. 62/2, p. 196-207.

Mazzullo, S. J. and Reid, A. M., 1987, Sedimentary textures of recent Belizean peritidal dolomite. *Journal of Sedimentary Petrology*, v. 58/3, p. 479-488.

Mazzullo, S. J., Anderson-Underwood, K. E., Burke, C. D., and Bischoff, W. D., 1992, Holocene coral patch reef ecology and sedimentary architecture, Northern Belize, Central America. *Palaios*, v. 7, p. 591-601.

McKee, E.D. and Ward, W.C., 1983, Eolian Environment. In: Scholle P.A., Bebout, D. G. and Moore, C. H. (eds.) *Carbonate depositional environments*. AAPG Memoir v. 33, p. 131-170.

McNeill, D.F., 1998, Dimensional aspects of Holocene pinnacle reefs in a mixed carbonate-siliciclastic system, southern Belize lagoon. Unpubl. Report Comparative Sedimentology Laboratory, University of Miami, pp. 51.

McNeill, D.F., Eberli, G.P., Ginsburg, R.N., Grammer, G.M., and Esker, D., 1997, Coexistence and succession of siliciclastics, reefs and platform carbonates, Belize, Central America. *Field Guide Book*, Comparative Sedimentology Laboratory, University of Miami.

Melguen, M., 1973, Correspondence analysis for recognition of facies in homogeneous sediments off an Iranian river mouth. In Purser, B.H. (ed.) *The Persian Gulf: Holocene carbonate sedimentation in a shallow epicontinental sea*. Springer-Verlag, New York. p. 99-114.

Moore, H. B., 1972, An estimate of carbonate production by macro-benthos in some tropical, soft-bottom communities. *Marine Biology*, v. 17, p. 145-148.

Morse, J. W., and He, S., 1993, Influence of T, S and P (CO₂) on the pseudo-homogenous precipitation of CaCO₃ from seawater: Implication for whiting formation. *Marine Chemistry*, v. 41, p. 291-297.

Morse, J. W., Millero, F. J., Thurmond, V., Brown, E., and Ostlund, H. G., 1984, The carbonate chemistry of Grand Bahama Bank waters: after 18 years another look. *Journal of Geophysical Research*, v. 89, p. 3604-3614.

Mullins, H. T., Neumann, A. C., Wilber, R. J., Hine, A. C. and Chinburg, S. J., 1980, Carbonate sediment drifts in northern straits of Florida. *AAPG Bull.* v. 64, p. 1701-1717.

Mullins, H.T. and Neumann, A.C., 1979, Deep carbonate bank margin structure and sedimentation in the northern Bahamas. In: Doyle L. J., Pilkey O. H. (eds.) *Geology of continental slopes*. SEPM SPEC. PUB., p. 165-192.

Murty, T.S. and M.I. El-Sabh, 1984, Storm tracks, storm surges and sea state in the Arabian Gulf, Strait of Hormuz and the Gulf of Oman. *Unesco reports in Marine Sciences*. 28, p. 12-24.

National Data Buoy Center, 1973, Environmental Conditions Within Specified Geographic Regions: Offshore East and West Coast of the United States and in the Gulf of Mexico. U. S. Dept. of Commerce p. 7, 150-153.

National Ocean Service, 1997, Tide Tables 1998. High and low water predictions, East Coast of North and South America. International Marine, Washington D.C., 279 p.

Nelsen, J. E. and Ginsburg, R. N., 1986, Calcium carbonate production by epibionts on *Thalassia* in Florida Bay. *Journal of Sedimentary Petrology*, v. 56, p. 622-628.

Neumann, A. C. and Land, L. S., 1975, Lime mud deposition and calcareous algae in the Bight of Abaco, Bahamas: a budget. *Journal of Sedimentary Petrology*, v. 59, p. 147-161.

Neumann, A. C., Gebelein, C. D. and Scoffin, T. P., 1970, The composition and erodability of subtidal mats, Abaco, Bahamas. *Journal of Sedimentary Petrology*, v. 40, p. 274-297.

Neumann, A. C., Kofoed, J. W. and Keller, G. H., 1977, Lithoherms in the Straits of Florida. *Geology* v. 5, p. 4-10.

Newell, N. D. and Rigby, J. K., 1957, Geological studies in the Great Bahama Bank. In: Le Blanc, R. J. and Breeding, J. G. (eds.) *Regional Aspects of Carbonate Sedimentation*. SEPM Spec. Pub., v. 5, p. 15-79.

Newell, N. D., 1955, Bahamian platforms. In: Poldervaart A. (ed.) *Crust of the Earth*. Boulder, Colorado, p. 303-316.

Palmer, M. S., 1979, Holocene Facies Geometry of the Leeward Bank Margin, Tongue of the Ocean, Bahamas. M. S. thesis, University of Miami. 200 p.

Payri, C. E., 1997, *Hydrolithon Reinboldii* distribution, growth and carbon production of a French Polynesian reef. 8th International Coral reef Symposium, Panama, v. 1, p. 755-760.

Perkins, R. D. and Enos, P., 1968, Hurricane Betsy in the Florida-Bahamas area; geologic effects and comparison with Hurricane Donna. *Journal of Geology*, v. 76, p. 710-717.

Perrone, T.J., 1981, Winter shamal in the Persian Gulf, Naval Environmental Prediction Research Facility, Monterey, California, Technical Report I.R. 79-06, August, 1979.

Piskaln, C. H., Neumann, C. A., and Bane, J. H., 1989, Periplatform carbonate flux in the northern Bahamas. *Deep Sea Research*, v. 36/9, p. 1391-1406.

- Plotnick, R. E., 1986, A fractal model for the distribution of stratigraphic hiatuses. *J. Geol.*, v. 94, p. 995-890 (885-890?).
- Plotnick, R. E., 1988, Fractal, random fractal, and random models for depositional hiatuses. *Geol. Soc. Amer. Abs. Progs.*, p. A403.
- Plotnick, R. E., 1995, Introduction to Fractals, In: Middleton, G. V., Plotnick, R. E. and Rubin, D. M., *Nonlinear Dynamics and Fractals - New Numerical Techniques for Sedimentary Data*. SEPM Short Course, v. 36, p. 1-28.
- Plotnick, R. E., and K. Prestegard, 1993, Fractal analysis of geologic time series. In: N. Lam, and L. DeCola, eds., *Fractals in Geography*, New Jersey, PTR Prentice-Hall, Englewood Cliffs, p. 45-54.
- Pomar, L. and Ward, W.C., 1999, Reservoir-Scale heterogeneity in depositional packages and diagenetic patterns on a reef-rimmed platform, Upper Miocene, Mallorca, Spain. *AAPG Bulletin*, in press.
- Purdy, E. G., 1961, Bahamian oolite shoals. In: Peterson J.A. and Osmond J.C. (eds.) *Geochemistry of sandstone bodies*. p. 53-63.
- Purdy, E. G., 1998, Structural termination of the southern end of the Belize Barrier Reef. *Coral Reefs*, v. 17, p. 231-234.
- Purdy, E. G., Pusey, W. C., and Wantland, K. F., 1975, Continental shelf of Belize - Regional shelf attributes. In: Wantland, W. F. and Pusey, W. C. (eds.), *Belize shelf - Carbonate sediments, clastic sediments, and ecology*. A.A.P.G. Studies in Geology, v. 2, p. 1-52.
- Purdy, E.G., 1963, Recent calcium carbonate facies of the Great Bahama Bank. 2. Sedimentary facies. *Journal of Geology*, v. 71, p. 472-497.
- Purser, B. H. and Seibold, E., 1973, The principle environmental factors influencing Holocene sedimentation and diagenesis in the Persian Gulf. In Purser, B. H. (ed.) *The Persian Gulf: Holocene carbonate sedimentation in a shallow epicontinental sea*. Springer-Verlag, New York. p. 1-10.
- Purser, B.H., 1973, Sedimentation around bathymetric highs in the Southern Persian Gulf, in Purser, B. H. (eds.) *The Persian Gulf Holocene Carbonate Sedimentation and Diagenesis in a Shallow Epicontinental Sea*, 471 p.
- Purser, B.H., 1973, *The Persian Gulf: Holocene carbonate sedimentation in a shallow epicontinental sea*. Springer-Verlag, New York.
- Pusey, W. C., 1964, Recent calcium carbonate sedimentation in northern British Honduras. Ph. D. thesis, Rice University, 247 p.

Pusey, W. C., 1975, Holocene carbonate sedimentation on Northern Belize Shelf, in Wantland, W. F. and Pusey, W. C. (eds.), Belize shelf - Carbonate sediments, clastic sediments, and ecology: A.A.P.G. Study in geology, v. 2, p. 1-52.

Rasmussen, K. A., Macintyre, I. G., and Prufert, L., 1993, Modern Stromatolite reefs fringing a brackish coastline, Chetumal Bay, Belize.: Geology, v. 21, p. 199-202.

Reaka-Kulda, M. L., O'Connell, D. O., Regan, J. D., and Wicklund, R. I., 1994, Effect of temperature and UV-B on different components of coral reef communities from the Bahamas. Proceedings of the Colloquium on Global Aspects of Coral Reefs, p. 126-131.

Reid, P. R., Macintyre, I. G., and Post, J. E., 1992, Micritized skeletal grains in Northern Belize Lagoon: a major source of Mg-calcite mud. Journal of Sedimentary Petrology, v. 62, p. 145-156.

Reynolds, M., 1993, Physical Oceanography of the Gulf, Strait of Hormuz, and the Gulf of Oman: Results from the Mt Mitchell Expedition. Mar. Pollut. Bull. 27, p. 35-59.

Riegl, B., 1999, Corals in a non-reef setting in the southern Arabian Gulf (Dubai, UAE): fauna and community structure in response to recurring mass mortality. Coral Reefs, v. 18, p. 63-73.

Robbins, L. L., Yates, K. K., Shinn, G., and Blackwelder, P., 1996, Whittings on the Great Bahama Bank: a microscopic solution to a macroscopic mystery. Bahamas Journal of Science, v. 10, p. 2-7.

Roberts, H. H., 1979, Reef-crest Wave and Current Interactions and Sediment Transport. AAPG Bulletin 63; 3 p. 517.

ROPME, 1987, Dust fallout in the northern part of the ROPME sea area. Regional Organization for the Protection of the Marine Environment. GC-5/005. Kuwait.

Rose, P. R. and Lidz, B., 1977, Diagnostic foraminiferal assemblages of shallow-water modern environments: South Florida and the Bahamas. Sedimenta, University of Miami, v. VI, 53 p.

Ross, D.A., Uchupi, E, and White, R.S., 1986, The geology of the Persian-Gulf-Gulf of Oman region: a synthesis, Reviews of Geophysics, v. 24, n. 3, p. 537-556.

Rusnak, G. A., and W. D. Nesteroff, 1964, Modern turbidites: Terrigenous abyssal plain versus bioclastic basin, In R. L. Miller (ed.), Papers in marine geology, New York, Macmillan, p. 488-507.

Russell, R. C. H., 1952, Waves and Tides: Hutchinson's scientific and Technical Publications. p. 51-59.

Rutzler, K. and I.G. Macintyre, 1982, The Atlantic barrier reef ecosystem at Carrie Bow Cay, Belize, I: structure and communities. Smithsonian contributions to the marine sciences, v. 12, 539 p.

Rutzler, K. and J.D. Ferraris, 1982, Terrestrial environment and climate of Carrie Bow Cay, Belize. In Rutzler, K. and I.G. Macintyre (eds.), The Atlantic barrier reef ecosystem at Carrie Bow Cay, Belize, I: structure and communities. Smithsonian contributions to the marine sciences; v. 12, p. 77-91.

Rutzler, K. and Macintyre, I. G., 1982, The habitat distribution and community structure of the barrier reef complex at Carrie Bow Cay, Belize. In Ruetzler, K. and Macintyre, I. G. (eds.), The Atlantic barrier reef ecosystem at Carrie Bow Cay, Belize I.: Smithsonian Contribution to the Marine Sciences, v. 12, 539 p.

Sarnthein, M. and Walger, E., 1973, Classification of modern marl sediments in the Persian Gulf by factor analysis. in Purser, B. H. (eds.) The Persian Gulf Holocene Carbonate Sedimentation and Diagenesis in a Shallow Epicontinental Sea, 471 p.

Sarnthein, M., 1970, Sedimentologische Merkmale für die Untergrenze der Wellenwirkung im Perischen Golf. Geol. Rundsch, 59/2, p. 649-666.

Schlager, W. and Chermak, A., 1979, Sediment facies of platform basin transition, tongue of the ocean, Bahamas. In: Doyle L. J., Pilkey O. H. (eds.) Geology of continental slopes. SEPM Spec. Pub., v. 27, p. 193-208.

Schlager, W., 1981, The paradox of drowned reefs and carbonate platforms. Geol. Soc. Amer. Bulletin, v. 92, p. 197-211.

Schlager, W. and Ginsburg, R.N., 1981, Bahama carbonate platforms—the deep and the past: Marine Geology, v.44, p.1-24

Schneider, J.F., 1975, Recent tidal deposits, Abu Dhabi, United Arab Emirates, Arabian Gulf. In: Ginsburg, R.N., (ed.), Tidal deposits, a casebook of Recent examples and fossil counterparts: New York, Springer Verlag, p. 209-214.

Scholle, P.A., and Kinsam, D.J.J., 1974, Aragonitic and high Mg-caliche caliche from the Persian Gulf – a modern analog for the Permian of Texas and New Mexico. Journal of Sedimentary Petrology, v. 38 p. 612-616.

Sealey, N. E. 1994, Bahamian Landscapes. Media Enterprises, Ltd., Nassau, Bahamas.

Seibold, E., 1973, Sedimentation in the Persian Gulf. Jour. Mar. Bio. Ass. India, 15 (2), p. 621-624.

Seibold, E., Diester, L., Fütterer, D. Lange, H., Muller, P., and Werner, F., 1973, Holocene sediments and sedimentary processes in the Iranian part of the Persian Gulf. In Purser, B.H. (ed.) The Persian Gulf: Holocene carbonate sedimentation and diagenesis in a shallow epicontinental sea. Springer-Verlag, New York, p. 57-80.

Seibold, E., L. and Vollbrecht, K., 1969, Die Bodengestalt des Persischen Golfs. "Meteor" Forschungs- Ergebnisse, Reihe C, No. 2, p. 29-56.

Sheppard, C.R.C., 1993, Physical environment of the gulf relevant to marine pollution: An overview. Mar. Poll. Bull. 27, p.3-8.

Sheppard, C.R.C., Price, A.R.G. and Roberts, C.M., 1992, Marine ecology of the Arabian region; Patterns and processes in extreme tropical environments. Academic Press, London.

Shinn, E. A., 1973, Carbonate coastal accretion in an areas of longshore transport, NE Qatar, Persian Gulf, in Purser, B. H. (eds.) The Persian Gulf: Holocene Carbonate Sedimentation and Diagenesis in a Shallow Epicontinental Sea, 471 p.

Shinn, E. A., 1976, Coral reef recovery in Florida and the Persian Gulf. Environmental Geology, 1, p. 241-254.

Shinn, E. A., Lloyd, R.M., and Ginsburg, R.N., 1969, Anatomy of a modern carbonate tidal flat. Journal of Sedimentary Petrology v. 53, 1202-1228.

Shinn, E. A., Steinen, R. P., Lidz, B. H., and Swart, P. K., 1988, Whitings, a sedimentologic dilemma. Journal of Sedimentary Petrology, v. 59, p. 147-161.

Stafford-Smith, M. G., 1992, Mortality of the Hard coral *Leptoria P.* under persistent sediment flux. Seventh International Coral reef Symposium, Guam, University of Guam Press, v. 1, p. 289-299.

Steneck, R. S. and Testa, V., 1997, Are calcareous algae important to reefs today or in the past? Symposium summary. 8th International Coral reef Symposium, v. 1, p. 685-698.

Stockman, K. W., Ginsburg, R. N. and Shinn, E. A., 1967, The production of lime mud by algae in south Florida. Journal of Sedimentary Geology, v. 37, p. 633-648.

Stoddard, D. R., 1962, Three Caribbean atolls: Turneffe Islands, Lighthouse Reef, and Glover's Reef, British Honduras. Atoll Research Bull., no.87, 151 p.

Stoddard, D. R., 1963, Effects of hurricane Hattie on the British Honduras reefs and cays, October 30-31, 1961. Atoll Research Bull., no. 95, 142 p.

Traverse, A. and Ginsburg, R. N., 1966, Palynology of the surface sediments of Great Bahama Bank, as related to water movement and sedimentation. *Marine Geology*, v. 4, p. 417-459.

U. S. Dept. of Commerce, 1972, Surface Water Temperature and Density. Atlantic Coast. National Ocean Survey, p. 62-69.

U.S. Naval Oceanographic Office, 1966, Ocean currents in the Arabian Sea and Northwest Indian Ocean. SP-92, W. E. Boisvert, Environment Branch Oceanographic Analysis Division, 17 p.

U.S. Navy Hydrographic Office, 1960, Summary of Oceanographic conditions in the Indian Ocean. SP-53, Oceanographic Analysis Division Marine Sciences Division, 144 p.

UNESCO, 1976, Marine sciences in the gulf area. UNESCO technical papers in marine science, v. 26, 66 p.

UNESCO, 1984, Oceanographic modelling of the Kuwait Action Plan (KAP) region. UNESCO reports in marine science, v. 28, 79 p.

United States Naval Oceanographic Office, 1963, Oceanographic atlas of the North Atlantic Ocean, section IV: Sea and Swell. United States Naval Oceanographic Office, Publication, 700. Washington, D.C. 227 p.

Vermeer, D.E., 1963, Effects of hurricane Hattie, 1961 on the cays of British Honduras. *Zeitschr. für Geomorphologie*, N. Folge, Band 7, H. 4, p.332-354.

Wagner, C.W. and van der Togt, C., 1973, Holocene sediment types and their distribution in the Southern Persian Gulf, in Purser, B. H. (eds.) *The Persian Gulf: Holocene Carbonate Sedimentation and Diagenesis in a Shallow Epicontinental Sea*, 471 p.

Wantland, K. F., 1975, Distribution of Holocene benthic foraminifera on the Belize Shelf, in Wantland, W. F. and Pusey, W. C., eds., *Belize shelf - Carbonate sediments, clastic sediments, and ecology*. AAPG Studies in Geology, v. 2, p. 1-52.

Wells, A. J., and L. V. Illing, 1964, Present-day precipitation of calcium carbonate in the Persian Gulf. In: *Deltaic and Shallow Marine Deposits. Developments in Sedimentology*. v. 1, p. 143-156.

Westphal, M. J., 1986, Anatomy and history of a ringed-reef complex, Belize, Central America. [M. S. Thesis], University of Miami, Miami, 225p.

Wilber, R. J., Milliman, J. D. and Halley, R. B., 1990, Accumulation of Holocene banktop sediment on the western margin of Great Bahama Bank: Rapid progradation of a carbonate megabank. *Geology*, v. 18, p. 970-974.

Wilkinson, C. R. and Buddemeier, R. W., 1994, Global climate change and coral reefs: implication for people and reefs, In: UNEP-IOC-ASPEI-IUCN Global Task Team on the Implication of Climate on Coral Reef., p. 124.

Wilson, A. T., 1925, The delta of the Shatt-al-Arab, and proposals for dredging the bar. *Geogr. Jour.*, v. 65, p. 225-239.

Wilson, J. L., 1974, Characteristics of carbonate platform margins. *AAPG Bulletin*, v. 58., p. 810-824.

Wilson, P. A. and Roberts, H. H., 1992, Carbonate-periplatform sedimentation by density flows: A mechanism for rapid off-bank and vertical transport of shallow water fines. *Geology*, v. 20 p. 713-716.

Wimbush, M. and Lesht, B., 1979, Current-induced sediment movement in the deep Florida Straits: critical parameters. *J. Geophys. Res.*, v. 84, p. 2495-2502.

Young, I.R. and Holland, G., 1996, *Atlas of the Oceans - Wind and wave climate*. Pergamon Press, 342 p.