

## REFERENCES

- Adams, J. E. and M. L. Rhodes, 1960, Dolomitization by seepage refluxion: AAPG Bull., v. 44, p. 1912-1920.
- Amdurer, M. and L. S. Land, 1982, Geochemistry, hydrology and mineralogy of the sand bulge area, Laguna Madre flats, South Texas: Jour. Sed. Petrology, v. p.
- Baker, P. A. and M. Kastner, 1981, Constraints on the formation of sedimentary dolomite: Science, v. 213, p. 214-216.
- Barnes, I. and W. Back, 1964, Dolomite solubility in groundwater: U. S. Geol. Survey Prof. Paper 475-D, p. 179-180.
- Behrens, E. W., 1974, Holocene sea level rise effect on the development of an estuarine carbonate depositional environment: Memoires de l'Institut de Geologie du Bassin d'Aquitaine, No. 7, p. 337-341.
- and L. S. Land, 1972, Subtidal Holocene dolomite, Baffin Bay, Texas: Jour. Sed. Petrology, v. 42, p. 155-161.
- Bein, A. and L. S. Land, 1982, San Andres carbonates in the Texas panhandle; sedimentation and diagenesis associated with magnesium-calcium-chloride brines: Austin, Texas, Univ. of Texas, Bureau of Econ. Geology, Rept. of Invest., No. 121, 48 p.
- Berner, R. A., 1971, Principles of chemical sedimentology: McGraw-Hill, 240 p.
- Boles, J. R., 1978, Active ankerite cementation in the subsurface Eocene of southwest Texas: Contrib. Mineralogy and Petrology, v. 68, p. 13-22.
- Budai, J. M., 1981, Subsurface dedolomitization of the Madison limestone, Wyoming: Geol. Soc. America Abs. with Programs, p. 419.
- Busenberg, E. and L. N. Plummer, 1982, The kinetics of dissolution of dolomite in  $\text{CO}_2\text{-H}_2\text{O}$  systems at 1.5 to 65°C and 0 to 1 atm  $\text{P}_{\text{CO}_2}$ : Am. Jour. Sci., v. 282, p. 45-78.
- Carpenter, A. B., 1980, The chemistry of dolomite formation I; the stability of dolomite, in D. H. Zenger, J. B. Dunham, and R. L. Ethington, eds., Concepts and models of dolomitization: SEPM Spec. Pub. No. 28, p. 111-121.
- Chilingar, G. V., 1956, Relationship between Ca/Mg ratio and geologic age: AAPG Bull., v. 40, p. 2256-2266.
- Degens, E. T., and S. Epstein, 1964, Oxygen and carbon isotope ratios in coexisting calcites and dolomites from recent and ancient sediments: Geochim. et Cosmochim. Acta, v. 28, p. 23-44.
- Fairbridge, R. W., 1957, The dolomite question, in R. J. LeBlanc and J. G. Breeding, eds., Regional aspects of carbonate deposition: SEPM Spec. Pub. No. 5, p. 125-178.
- Gaines, A. M., 1977, Protodolomite redefined: Jour. Sed. Petrology, v. 47, p. 543-546.
- , 1978, Reply, protodolomite redefined: Jour. Sed. Petrology, v. 48, p. 1009-1011.
- Gebelein, C. D., 1973, Algal origin of dolomite laminations in stromatolitic limestone: Jour. Sed. Petrology, v. 43, p. 603-613.
- Goldsmith, Jr., 1953, A "simplexity principle" and its relation to "ease" of crystallization: Jour. Geology, v. 62, p. 439-451.
- and H. C. Heard, 1961, Subsolidus phase relations in the system  $\text{CaCO}_3\text{-MgCO}_3$ : Jour. Geology, v. 69, p. 45-74.

- Graf, D. L. and J. R. Goldsmith, 1956, Some hydrothermal syntheses of dolomite and protodolomite: *Jour. Geology*, v. 64, p. 173-186.
- Hanshaw, B. B., W. Back, and R. G. Deike, 1971, A geochemical hypothesis for dolomitization by groundwater: *Econ. Geology*, v. 66, p. 710-724.
- Helgeson, H. C., et al, 1978, Summary and critique of the thermodynamic properties of rock-forming minerals: *Am. Jour. Science*, v. 278-A, 229 p.
- Holland, H. D., et al, 1964, On some aspects of the chemical evolution of cave waters: *Jour. Geology*, v. 72, p. 36-67.
- Holser, W. T., 1979, Trace elements and isotopes in evaporites, *in* R. G. Burns, ed., *Marine minerals: Mineralog. Soc. of America Short Course Notes*, v. 6, p. 295-346.
- Hower, R., et al, 1976, Mechanism of burial metamorphism of argillaceous sediment; 1 Mineralogical and chemical evidence: *Geol. Soc. America Bull.*, v. 87, p. 725-737.
- Hsu, K. J., 1963, Solubility of dolomite and composition of Florida groundwaters: *Jour. Hydrology*, v. 1, p. 288-310.
- and C. Siegenthaler, 1969, Preliminary experiments on hydrodynamic movement induced by evaporation and their bearing on the dolomite problem: *Sedimentology*, v. 12, p. 11-26.
- Katz, A. and A. Matthews, 1977, The dolomitization of  $\text{CaCO}_3$ ; an experimental study at 252-295°C: *Geochim. et Cosmochim. Acta*, v. 41, p. 297-308.
- Kitano, Y., and N. Kanamori, 1966, Synthesis of magnesian calcite at low temperatures and pressures: *Geochem. Jour.*, v. 1, p. 1-10.
- Kushnir, J., 1980, The coprecipitation of strontium, magnesium, sodium, potassium and chloride ions with gypsum; an experimental study: *Geochim. et Cosmochim. Acta*, v. 44, p. 1471-1482.
- Land, L. S., 1967, Diagenesis of skeletal carbonates: *Jour. Sed. Petrology*, v. 37, p. 914-930.
- , 1973, Contemporaneous dolomitization of Middle Pleistocene reefs by meteoric water, north Jamaica: *Bull. Marine Science*, v. 23, p. 64-92.
- , 1980, The isotopic and trace element geochemistry of dolomite; the state of the art, *in* D. H. Zenger, J. B. Dunham, and R. L. Ethington, eds., *Concepts and models of dolomitization: SEPM Spec. Pub. No. 28*, p. 87-110.
- and G. K. Hoops, 1973, Sodium in carbonate sediments and rocks; a possible index to the salinity of diagenetic solutions: *Jour. Sed. Petrology*, v. 43, p. 614-617.
- and S. P. Dutton, 1978, Cementation of a Pennsylvanian deltaic sandstone; isotopic data: *Jour. Sed. Petrology*, v. 48, p. 1167-1176.
- and D. R. Prezbindowski, 1981, The origin and evolution of saline formation water, Lower Cretaceous, south-central Texas, U. S. A.: *Jour. Hydrology*, v. 54, p. 54-71.
- Langmuir, D. L., 1971, The geochemistry of some carbonate ground waters in central Pennsylvania: *Geochim. et Cosmochim. Acta*, v. 35, p. 1023-1045.
- Mackenzie, F. T. and J. D. Pigott, 1981, Tectonic controls of Phanerozoic sedimentary rock cycling: *Jour. Geol. Soc. London*, v. 138, p. 183-196.
- Mansfield, C. G., 1980, A urolith of biogenic dolomite - another clue in the dolomite mystery: *Geochim. et Cosmochim. Acta.*, v. 44, p. 829-840.
- McKenzie, J. A., K. J. Hsu, and J. F. Schneider, 1980, Movement of subsurface waters under

- the sabkha, Abu Dhabi, U. A. E., and its relationship to evaporative dolomite genesis, *in* D. H. Zenger, J. B. Dunham, and R. L. Ethington, eds., Concepts and models of dolomitization: SEPM Spec. Pub. No. 28, pp. 11-30.
- Magaritz, M., et al, 1980, Dolomite formation in the seawater-freshwater interface: *Nature*, v. 287, p. 622-624.
- Milliken, K. L., L. S. Land, and R. G. Loucks, 1981, History of burial diagenesis determined from isotopic geochemistry, Frio Formation, Brazoria County, Texas: *AAPG Bull.*, v. 65, p. 1397-1413.
- Moore, C. H. and K. Druckman, 1981, Burial diagenesis and porosity evolution, Upper Jurassic Smackover, Arkansas and Louisiana: *AAPG Bull.*, v. 65, p. 597-628.
- Pakhomov, S. I., and I. G. Kissin, 1973, Hydrogeochemistry of magnesium in deep aquifer zones: *Akad. Nauk SSSR Doklady*, v. 209, p. 205-208. (English translation, 1974, American Geological Institute).
- Patterson, R. J. and D. J. J. Kinsman, 1982, Formation of diagenetic dolomite in coastal sabkha along the Arabian (Persian) Gulf: *AAPG Bull.*, v. 66, p. 28-43.
- Plummer, L. N., 1975, Mixing of seawater with calcium carbonate ground water: *Geol. Soc. of America Mem.* 142, p. 219-236.
- Reeder, R. J., 1981, Electron optical investigation of sedimentary dolomites: *Contr. Mineralogy Petrology*, v. 76, p. 148-157.
- Rosenberg, P. E., D. M. Burt, and H. D. Holland, 1967, Calcite-dolomite-magnesite stability relations in solutions; the effect of ionic strength: *Geochim. et Cosmochim. Acta*, v. 31, p. 391-396.
- Rosenburg, P. E., and H. D. Holland, 1964, Calcite-dolomite-magnesite stability relations in solutions at elevated temperatures: *Science*, v. 145, p. 700-701.
- Sandburg, P. A., 1975, New interpretations of Great Salt Lake ooids and of ancient non-skeletal carbonate mineralogy: *Sedimentology*, v. 22, p. 497-537.
- Sears, S. O., and F. J. Lucia, 1980, Dolomitization of northern Michigan Niagara reefs by brine refluxion and freshwater/seawater mixing, *in* D. H. Zenger, J. D. Dunham, and R. L. Ethington, eds., Concepts and models of dolomitization: SEPM Spec. Pub. No. 28, p. 215-235.
- Tucker, M. E., 1982, Precambrian dolomites; petrographic and isotopic evidence that they differ from Phanerozoic dolomites: *Geology*, v. 10, p. 7-12.
- Uzdowski, H. E., 1968, The formation of dolomite in sediments, *in* G. Muller, and G. M. Friedmann, eds., Recent developments in carbonate sedimentology in central Europe: Springer-Verlag, p. 21-32.
- von der Borch, C. C., D. E. Lock, and D. Schwebel, 1975, Groundwater formation of dolomite in the Coorong region of South Australia: *Geology*, v. 3, p. 283-285.
- Wanless, H. R., 1979, Limestone response to stress; pressure solution and dolomitization: *Jour. Sed. Petrology*, v. 49, p. 437-462.
- Weyl, K., 1960, Porosity through dolomitization; conservation-of-mass requirements: *Jour. Sed. Petrology*, v. 30, p. 85-90.