

Chronological List of Publications

Alden Bliss Carpenter (1936-2019)

Compiled by Edward S. Grew 4/22/21

1. Carpenter, A. B., & Foster, P. C. (1960) Mineralogy of the Cape Rosier Mine, Hancock County, Maine. *Rocks & Minerals*, 35, 11-12, 559-560.
2. Carpenter, A.B. (1962) Mineral assemblage, magnesium calcite-aragonite-huntite at Crestmore, California. *Geol. Soc. Amer. Special Paper* 68, 146 (abstract).
3. Carpenter, A. B. (1963) Mineralogy of the system CaO-MgO-CO₂-H₂O at Crestmore, California. Ph.D. Dissertation, Harvard University
4. Carpenter, A.B. (1963) Oriented overgrowths of thaumasite on ettringite. *American Mineralogist*, 48, 1394-1395.
5. Carpenter, A. B. (1964). Geology of a portion of the Contwoyto Lake Area, Northwest Territories. *AAPG Bulletin*, 48, 4, 520 (abstract).
6. Carpenter, A. B. (1964). Geology of a portion of the Contwoyto Lake area, Northwest Territories. *The Canadian Mineralogist* 8, 1, 133 (abstract)
7. Wicklein, P., & Carpenter, A. B. (1965). Report on some iron and nickel minerals from the soapstone deposits of Saline County, Arkansas. *Proceedings of the Arkansas Academy of Science* 19, 1, 89 (abstract)
8. Carpenter, A.B. (1966) New data on periclase from Crestmore, California: *Geol. Soc. America Special Paper* 87, 28-29 (abstract).
9. Carpenter, A. B., Chalmers, R. A., Gard, J. A., Speakman, K., & Taylor, H. F. W. (1966). Jennite, a new mineral. *American Mineralogist*, 51, 1-2, 56-74.
10. Carpenter, A.B. (1967) Mineralogy and petrology of the system CaO-MgO-CO₂-H₂O at
11. Carpenter, A.B. and Miller, J.C. (1969) Geochemistry of saline subsurface water, Saline County (Missouri). *Chemical Geology*, 4, 135-167.
12. Carpenter, A.B. and Miller, J.C., 1969, Mineralogical controls on the chemical character of saline subsurface water. *Special Paper – Geol. Soc. Amer.* 1969, 48 (abstract)
13. Carpenter, A.B. (1970) The chemistry of dolomite formation: (1) The stability of dolomite. In *Concepts and Models of Dolomitization* (Eds. D. H. Zenger, J. B. Dunham and R. L. Ethington) *Society of Economic Paleontologists and Mineralogists Special Publication* 28, 111-121.
14. Carpenter, A.B., Goydan, P.A., Burton, G.C., Leach, B.K. (1971). Influence of Mineralogy and Microorganisms on Iron and Sulfide Concentrations in Groundwater: Completion Report. Missouri Water Resources Research Center, 36p.

15. Murray, J.P. and Carpenter, A.B. (1973) The use of nitrogen/phosphorous ratios as a means of detecting groundwater contamination by sanitary landfill leachate. Abstracts with Programs – Geol. Soc. Amer. 5, 4, 339 (abstract)
16. Wicklein, P. C. and Carpenter, A. B. (1973) Geology of the nickeliferous soapstone deposits of Saline County, Arkansas. Abstracts with Programs - Geological Society of America, 5, 3, 286–287 (abstract).
17. Carpenter, A.B. (1974) Graphical analysis of zeolite mineral assemblages from the Bay of Fundy area, Nova Scotia, in Flanigen, E.M. and Sand, L.B., Molecular Sieve Zeolites- I. Advances in Chemistry; American Chemical Society: Washington, DC, 328-333.
18. Carpenter, A.B. 1974, Origin and chemical evolution of lead- and zinc-rich oil-field brines in central Mississippi. International Symposium on Water-Rock Interaction, Geol. Survey, Prague, Czechoslovakia, 1, 23 (abstract).
19. Carpenter, A.B., Trout, M.L. Pickett, E.E. (1974) Preliminary report on the origin and chemical evolution of lead-and zinc-rich oil field brines in central Mississippi. Economic Geology, 69, 1191-1206.
20. Carpenter, A. B. and Siebert, R. M. 1975. Effect of ferrous iron on the stability and nucleation of dolomite. Abstracts with Programs Geol. Soc. Amer. 7, 7, 1019 (abstract)
21. Carpenter, A.B. (1976) Dorag dolomitization model - Reply, J. Sedimentary Petrology, 46 (1) 254-256.
22. Carpenter, A. B., and Oglesby, T.W. 1976, A model for the formation of luminescently zoned calcite cements and its implications: Abstracts with Programs Geol. Soc. Amer. 8, 4, 469-470
23. Carpenter, A. B., and Oglesby, T. W., 1976, Hydrologic significance of manganese, iron, and magnesium in calcite and dolomite cements of the Smackover Formation, eastern Mississippi. Nuclide Spectra, v. 4, no. 3, p. 1.
24. Craig, J. R. and Carpenter, A. B. (1976). Cu-Ni-Co thiospinels from the New Lead Belt, Missouri. Abstracts with Programs – Geol. Soc. Amer., 8, 6, 824 (abstract)
25. Feder, G.L. and Carpenter, A.B. (1976) The occurrence of reduced nitrogen species in ground water in Missouri. Abstracts with Programs – Geol. Soc. Amer. 8, 6, 861 (abstract).
26. Carpenter, A. B. (1977). Influence of Organic Carbon and Microorganisms on Iron and Sulfide Concentrations in Groundwater: Completion Report. Missouri Water Resources Research Center, University of Missouri.
27. Carpenter, A.B. and Freeman, T. (1977) Petroleum and Mississippi Valley Type ore deposits—common origin? 1977 AAPG-SEPM Annual Convention and Exhibition, Washington, D.C., AAPG Bulletin 61, 5, 775 (abstract)
28. Carpenter, A.B. and Stoufer, R.N., 1977. Influence of Organic Carbon and Microorganisms on Iron and Sulfide Concentrations in Groundwater. *Available from the*

National Technical Information Service, Springfield VA 22161 as PB-270 640, Completion Report June 22, 1977, 85.

29. Craig J.R. and Carpenter A.B. (1977) Fletcherite, $\text{Cu}(\text{Ni}, \text{Co})_2\text{S}_4$, a new thiospinel from the Viburnum Trend (New Lead Belt), Missouri. *Economic Geology* 72, 480-486.
30. Carpenter, A.B. (1978) Origin and chemical evolution of brines in sedimentary basins. *Oklahoma Geol. Survey Circular*, 79, 60-77.
31. Carpenter, A.B. (1978) Origin and chemical evolution of brines in sedimentary basins. SPE Annual Fall Technical Conference and Exhibition, Houston, Texas, October 1978. (539 citations)
32. Carpenter, A. B. (1978) Origin and diagenesis of subsurface brines. Abstracts with Programs – Geol. Soc. Amer. 10, 7, 377 (abstract)
33. Carpenter, A. B., & Darr, J. M. (1978). Relationship Between Groundwater Resources and Energy Production in Southwestern Missouri: Completion Report. Missouri Water Resources Research Center, University of Missouri. NTIS PB 281583, 113p.
34. Carpenter, A. B., and Trout, M. L. (1978). Geochemistry of bromide-rich brines of the Dead Sea and southern Arkansas. *Oklahoma Geological Survey Circular* 79, 78–87.
35. Garbarini, J.M. and Carpenter, A.B. (1978) Albitization of plagioclase by oil field brines: *Geol. Soc. Amer. Abstracts with Programs*, 10, 7, 406 (abstract)
36. Carpenter, A.B., Grethen, G.B.L., Fox, L.A. (1979) Role of brines and ferrous iron in formation of dolostone: *AAPG Bulletin* 63, 3, 429 (abstract)
37. Carpenter, A.B. (1980) The chemistry of dolomite formation: (1) The stability of dolomite. Concepts and models of dolomitization Symposium, Zenger, D.J., Durham, J.B. and Ethington, J.B. eds. *Society of Economic Paleontologists and Mineralogists*, p. 111-121
38. Kusachi, I., Henmi, C., Henmi, K., Taylor, H.F.W., Carpenter, A.B., Ito, J., (1980) International Mineralogical Association Commission on New Minerals, Nomenclature and Classification, New Mineral Proposal: Oyelite, IMA 1980-103 [Approved as new mineral in 1982] (authors confirmed by Miyawaki, R., personal communication (2021).
39. Murray, J.P., Rouse, J.V., Carpenter, A.B. (1981) Groundwater contamination by sanitary landfill leachate and domestic wastewater in carbonate terrain: Principal source diagnosis, chemical transport characteristics and design implications. *Water Research*, 15, 6, 745-757 (64 citations)
40. Frank, J.R., Carpenter, A.B., Oglesby, T.W. (1982) Cathodoluminescence and composition of calcite cement in the Taum Sauk Limestone (Upper Cambrian), Southeast Missouri. *Journal of Sedimentary Petrology*, 52 (2), 631–638.
41. Carpenter, Alden B. (1985) Effect of ferrous iron on the stability and nucleation of dolomite, in *Timing of Siliciclastic Diagenesis: Relationship to Hydrocarbon Migration*, Program and Abstracts - Society of Economic Paleontologists. Gulf Coast Section. Research Conference, November 12, 1985, 6, 4 (abstract)

42. Carpenter, A. B. (1985) Origin of Na-Ca-Cl brines in Jurassic and Cretaceous reservoirs of the Gulf Coast." AAPG Bulletin 69, 2, 242 (abstract)
43. Stoessell, R.K. Carpenter, A.B., (1986) Stoichiometric saturation tests of $\text{NaCl}_{1-x}\text{Br}_x$ and $\text{KCl}_{1-x}\text{Br}_x$. *Geochimica et Cosmochimica Acta*, 50, 1465-1474.
44. Banner, J. L., G. J. Wasserburg, G.J., Carpenter, A. B., Dobson, P.F., and Moore, C.H. (1988) Isotopic and trace element constraints on the origin and evolution of saline groundwaters from central Missouri, 11th Annual Meeting Baton Rouge LA, Applied Carbonate Research Program Technical Series Contribution 50 (abstract)
45. Banner, J.L., Wasserburg, J.G., Dobson, P.F., Carpenter, A.B., Moore, C.H. (1989) Isotopic and trace element constraints on the origin and evolution of saline groundwaters from central Missouri. *Geochimica et Cosmochimica Acta*, 53, 383-398.
46. Carpenter, A.B. (1989). A mineralogical classification of Monterey Lithologies, In Coal and hydrocarbon resources of North America; Volume 1: Oil in the California Monterey Formation, Los Angeles to Santa Maria, California July 20–24, 1989, 28th International Geological Congress 1989 Field Trip Guidebook (eds MacKinnon, T.C., Randall, J.W. and Garrison R. E.). Published by the American Geophysical Union as part of the AGU Field Trip Guidebooks Series, Hanshaw, P. M. [ed.], 311, 37- 40.
<https://doi.org/10.1029/FT311p0037>
47. Carpenter, A. B. (1989) Occurrence of lead- and zinc-rich brine in the Rotliegendes Formation, the Netherlands. Abstracts with Programs – Geol. Soc. Amer., 21, 6, 315 (abstract)
48. Gale, J.E., Schaefer, R.A., Carpenter, A.B., and Herbert, A. (1991) "Collection, analysis, and integration of discrete fracture data from the Monterey Formation for fractured reservoir simulations." Proceedings, 1991 SPE Annual Technical Conf and Exhibition, Oct 6-9, 1991 Dallas, TX, Formation Evaluation and Reservoir Geology 3, 823-834.
<https://onepetro.org/SPEATCE/proceedings-abstract/91SPE/All-91SPE/SPE>
49. Hallager, W. S., Carpenter, A. B., & Campbell, W. L. (1991). Smectite clays in red beds as a source of base metals. Abstracts with Programs - Geological Society of America, 23, 5, 31–32 (abstract).
50. Carpenter, A.B., Barker, A.W. and Hoffmaster, R.L. (1993) Introduction to Mineralogical Analysis by the ESTMIN Procedure, Chevron Petroleum Technology Company (CPTC) Technical Memorandum TM93000707, 16p.
51. Carpenter, A.B., Daniels, E.J., Barker, A.W., Hoffmaster, R.L., Orton, G.S., Reed, M.G. (1993) Steam-induced hydrothermal interactions in clastic rocks containing quartz, kaolinite, and ferroan carbonates. Program and Abstracts - Annual Clay Minerals Conference 1993, 30, 95 (abstract)
52. Keith, D.C., Harrison, W.J., Wendlandt, R.F., Carpenter, A.B., Daniels, E.J. & Orton, G.S. (1994) Steam-induced alteration of mineralogy and permeability in kaolinitic,

- siderite-bearing sandstones, Annual Meeting Expanded Abstracts - American Association of Petroleum Geologists, 1994, 185 (abstract)
53. Strickland, N., Carpenter, A.B., and D.W. Beaty (1996) Utilization of geological mapping techniques to track scaling tendencies in the Eunice Monument South Unit Waterflood, Lea County, New Mexico." National Association of Corrosion Engineers (NACE) Conference CORROSION 96, Denver, Colorado, March 1996, Proceedings, Paper 181, 1-19.
54. Carpenter, A. B. (1997) Building and testing mineral models for mineral-based formation evaluation, Annual Meeting Expanded Abstracts - American Association of Petroleum Geologists, 6, 17 (abstract)
55. Carpenter, A.B., and Barker, A. W. (1997) Petroleum in Hemipelagic Deposits ("Siliceous Shales") of the San Joaquin Valley, California, Chevron Petroleum Technology Company (CPTC) Technical Memorandum TM97000348, 112p.
56. Carpenter A.B. and Moore, T.S. (1997) Origin of boron-rich pore water in the Monterey Formation, San Joaquin Valley, CA. Pacific Section AAPG/SEPM Annual Convention, Bakersfield, CA. AAPG Bulletin. 81, 4, 681 (abstract)
57. Carpenter, A.B., Puckett, S.J., and Barker, A.W. (1999) Chevron Petroleum Technology Company (CPTC) 1.2. Mineralogical and chemical composition of chert, shale, and mud-filled veins in the Antelope Shale 653z-26b Well. In Morea, M. F., Advanced Reservoir Characterization in the Antelope Shale to Establish the Viability of CO₂ Enhanced Oil Recovery in California's Monterey Formation Siliceous Shales, Annual Technical Progress Report February 7, 1998- February 6, 1999 (DOE/BC--14938-12), 12-33.
<https://www.osti.gov/servlets/purl/5127>
58. Carpenter, A. B. (2001) Origin of metal-rich oilfield brines, an historical review, 11th Annual V. M. Goldschmidt Conference. Hot Springs, VA, May 20-24, 2001, Lunar and Plan. Inst. Contribution, Abstract 3244