

Dr. Peter A. Scholle

A. PERSONAL

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Business Address: New Mexico Bureau of Geology and Mineral Resources
NM Tech – 801 Leroy Place
Socorro, NM 87801 (retired-emeritus affiliation) (e-mail: scholle1@gmail.com)

Place of Birth: New York, N.Y. Date of Birth: September 12, 1944
Married, 3 children Citizenship: USA

B. EDUCATION

Yale University, New Haven, Connecticut 1961-1965
B.S., Geology 1965
Honors thesis research: Geologic mapping of a portion of the Southbury
Quadrangle, CT — a high-grade metamorphic area.

University of Munich, Germany, Fulbright/DAAD fellowships 1965-1966
Studied European regional sedimentology and worked on research projects
including Solnhofen limestone diagenesis.

University of Texas at Austin 1966-1967

Princeton University, Princeton, New Jersey 1967-1970
M.A., Geology 1969
Ph.D., Geology 1970
Thesis work examined ultra-deep-water Cretaceous carbonate turbidites in the
northern Apennine Mountains of Italy with comparisons to sections in
Austria and coastal Spain.

C. RECORD OF EMPLOYMENT

Cities Service Oil Co. Research, Tulsa, OK 1970-71
Research Geologist
Conducted applied research projects on chalk diagenesis and hydrocarbon
potential of chalk reservoirs in the North Sea and more general studies on
porosity evolution of carbonate rocks in a variety of environmental settings;

conducted carbonate training schools (field and laboratory) for regional operations personnel

University of Texas at Dallas, Dallas, TX 1971-74

Assistant Professor

Taught a variety of courses in sedimentology, stratigraphy and regional geology; conducted research on grain size analysis of clastic strata, magnetic fabrics of sediments, quartz-grain surface textures, deeper-water carbonates (including chalks), and other topics.

U.S. Geological Survey, Reston, VA 1974-77

Research Geologist

Project leader on unconventional carbonate reservoirs and C.O.S.T. well analysis (synthesis of information from consortium-drilled wells related to Atlantic offshore oil and gas lease sales).

U.S. Geological Survey, Denver, CO 1977-80

Research Geologist

Project leader for research projects on chalks of the Western Interior and Gulf Coast; ran training courses in carbonate sedimentology for USGS personnel

U.S. Geological Survey, Denver, CO 1980-83

Branch Chief, Branch of Oil & Gas Resources

Management and supervisory responsibility for USGS unconventional hydrocarbons research and resource evaluation efforts. First line supervisor for more than 220 employees in 17 cities across the United States. Fund-management and fund-raising responsibilities for a 6 to 8 million dollar annual budget. Responsible for co-op projects with some State agencies, other Federal agencies, universities, and granting organizations.

Gulf Oil/Chevron Oil Research, Houston, TX/La Habra, CA 1983-85

Chief Scientist, Carbonate Studies

Managed a group of about 25-30 scientists engaged in research in carbonate sedimentology and organic geochemistry. Full supervisory and fiscal responsibility for research directions and expenses. Reported to Vice-President for Research. Was offered but declined a comparable management position at La Habra after takeover of Gulf by Chevron.

Southern Methodist University, Dallas, TX 1985-1999

Albritton Professor of Geology

Academic activities including teaching of sedimentology, oceanography, and environmental science classes as well as social-issues classes in environmental problems. Research focused mainly on Permian carbonates and evaporites of the world as well as deeper-water

carbonates. Supervised numerous Ph.D. and Masters-level thesis projects. Served on Faculty Senate (including steering committee) and many other university committees. Chaired the Teaching Technology Group — the main university forum examining current and future role of computer technology in academic applications. Conducted numerous outside activities including editorships at several journals and special publications editing for SEPM.

University of Texas at Dallas 1985-98
Adjunct Professor
Outside advisor on several thesis committees.

Various companies 1985-1999
Consulting Geologist
Conducted training seminars (especially field courses in Guadalupe and Sacramento Mountains) for a variety of companies and the American Association of Petroleum Geologists. Consulting projects on carbonate diagenesis of hydrocarbon reservoirs for a variety of companies in more than 10 countries including, most recently, Greenland, Poland, Denmark, and Qatar.

New Mexico Bureau of Geology & Mineral Resources, Socorro, NM 1999-2011
Director & State Geologist
Managed a group of about 65-70 scientists and support staff engaged in mineral, energy and water resource investigations, geologic mapping, and data dissemination activities. Acted as representative on various state commissions (esp. Mining and Water Quality Control Commissions) and on the Cabinet of the New Mexico Institute of Mining and Technology (New Mexico Tech). Conducted outreach activities including Legislative Decision-Maker Conferences and educational activities in Washington DC.

New Mexico Institute of Mining & Technology 2011-present
Emeritus Faculty Member, Special Pubs. Editor
Conduct research, teaching and consulting activities. Delivered 2012 Bill Hailey Memorial Short Courses in Abilene and Ft. Worth TX; WTGS short course on Basinal Carbonates in 2015; AAPG Winter Education Conference speaker 2014 and 2015; Colorado School of Mines Weimer Lecturer, 2015

Scholle Petrographic LLC 2013-present
Vice-President and Treasurer
Conduct research, teaching and consulting activities.

D. FELLOWSHIPS, SCHOLARSHIPS, HONORS AND AWARDS

Belknap Prize in Geology, Yale 1965

High Honors in Geology, Yale	1965
Fulbright, D.A.A.D. and Bavarian Government Fellowships	1965-66
National Defense Education Act Fellowships	1966-70
Geoscience Teaching Award, UTD	1974
AAPG Distinguished Lecturer	1975-76
Best Paper Award, South Texas Geological Society	1975-76
AAPG Continuing Education Series Lecturer	1976-
President's Award (Best Special Publication), AAPG	1980
AAPG Certificate of Merit	1978
Sproule Memorial Award (Best Paper Award for AAPG)	1979
President's Award (Best Special Publication), AAPG	1981
Permian Basin Section SEPM Best Paper Award	1984-85
SEPM Excellence of Oral Presentation Award (with R. Halley)	1985
Honorable mention SEPM Excellence of Oral Present. (w/ L. Melim)	1990
Visiting Erskine Fellowship - Univ. of Canterbury, Christchurch, N.Z.	1991
SEPM Best Poster Presentation award (with Dana S. Ulmer)	1992
SEPM Honorary Membership	1995
SEPM Distinguished Service Award	1997
West Texas Geological Soc. Best Paper Award	2003
AAPG Dott Award (best special publication)	2005
AGI Medal in Memory of Ian Campbell for Superlative Service to the Geosciences	2013
Permian Basin Section SEPM Honorary Life Membership Award	2015
AAPG Dott Award (best special publication)	2017

Special Meetings Attended/Organized:

Convened GSA Symposium on Indicators of Thermal Maturation, (1976)
 Convened SEPM Research Conference on Stable Isotopes in Sedimentary Geology (1981) [with M. Arthur and R. Halley]
 Convened SEPM Research Conference on Spar Cements and Secondary Porosity (1985) [with L. Land and M. Harris]
 Convened Sessions on Pelagic Carbonates at AAPG and European Geophysical Society Meetings
 Convened AAPG Research Conference on Secular Variations in World Oceans (1987) [with M. Arthur and T. Loutitt]
 Convened 1989 SEPM Research Symposium on Marine Diagenesis (1989) [with Noel P. James and Craig Glenn]
 Have presented 170+ invited lectures at variety of meetings/universities

E. PROFESSIONAL ORGANIZATION MEMBERSHIPS

Society of Economic Paleontologists & Mineralogists (Chairman, Research Committee, Twenhofel Medal Committee, Goals and Strategies Committee; Nominations Committee; Associate Editor, 1980-1984; Vice-President, 1983-84; National President, 1988-89; Special Publications Editor, 1993-97)
 Geological Society of America, Fellow (lapsed)

American Association of Petroleum Geologists (Distinguished Lecture Committee, Research Committee, Associate Editor 1983-1989).

West Texas Geological Society

International Association of Sedimentologists (Assoc. Editor, 1987-1990)

National Science Foundation, Advisory Committee for Earth Sciences (1985-88)

Association of American State Geologists (Treasurer 2002-04; President 2005-06)

American Geological Institute/now American GeoSciences Institute (Treasurer 2003-05; President 2008-09)

Federal Advisory Committee to USGS for Geologic Mapping and Data Preservation (2010-present)

US. National Committee for the Geological Sciences (National Academy of Sciences) (Member present)

Association of American State Geologists Foundation (Member, 2009-2011; treasurer 2012-2014)

Association of American State Geologists (Honorary Member, 2011-present)

F. UNIVERSITY COURSES TAUGHT:

Graduate-level stratigraphy and sedimentology

Graduate seminars in sedimentology and stratigraphy

Carbonate sedimentology

Basin analysis

Sedimentary petrography/carbonate petrography

Freshman Seminar – Global environmental problems

Capstone and cultural formations classes in Global Environmental Problems

Field Studies – Caribbean geology and reef ecology

Introduction to environmental science

Introduction to oceanography

G. PUBLICATIONS

Nine books (shown in red text below) and more than 250 papers, abstracts and digital publications.

1960's

SCHOLLE, P.A., 1965, Bedrock geology of a portion of the Southbury Quadrangle, Connecticut [unpublished B.S. thesis]: Yale University, New Haven, CT, 66 p.

SCHOLLE, P.A., 1969, Deep-water carbonate turbidites, Monte Antola Flysch (Upper Cretaceous), northern Apennines, Italy [abs.]: Geological Society of America, Abstracts with Programs, v. 1, p. 199-200.

1970's

SCHOLLE, P.A., 1970, Geologic studies of the Upper Cretaceous Monte Antola Formation, northern Apennines [unpublished Ph.D. thesis]: Princeton University, Princeton, NJ, 158 p.

SCHOLLE, P.A., 1970, The Sestri-Voltaggio line: a transform fault induced tectonic boundary between the Alps and the Apennines: American Journal of Science, v. 269, p. 343-359.

- SCHOLLE, P.A., 1971, Carbonate petrography manual: Tulsa, OK, Cities Service Oil Co. research report, 82 p.
- SCHOLLE, P.A., 1971, Clastic petrography manual: Tulsa, OK, Cities Service Oil Co. research report, 101 p.
- SCHOLLE, P.A., 1971, Diagenesis of deep-water carbonate turbidites, Upper Cretaceous Monte Antola Flysch, Northern Apennines, Italy: *Journal of Sedimentary Petrology*, v. 41, p. 233-250.
- SCHOLLE, P.A., 1971, Sedimentology of fine-grained deep-water carbonate turbidites, Monte Antola Flysch (Upper Cretaceous), northern Apennines, Italy: *Geological Society of America Bulletin*, v. 82, p. 629-658.
- SCHOLLE, P.A., and KLING, S.A., 1971, Southern British Honduras — lagoonal coccolith ooze [abs.]: *Geological Society of America, Abstracts with Programs*, v. 3, p. 695-696.
- SCHOLLE, P.A., and KLING, S.A., 1972, Southern British Honduras: lagoonal coccolith ooze: *Journal of Sedimentary Petrology*, v. 42, p. 195-204.
- SCHOLLE, P.A., and HOYT, D.E., 1973, Quartz grain surface textures from various source rocks [abs.]: *Geological Society of America, Abstracts with Programs*, v. 5, p. 797-798.
- SCHOLLE, P.A., and KINSMAN, D.J.J., 1973, Aragonitic and high-Mg calcite caliche from the Persian Gulf — a modern analog for the Permian of Texas and New Mexico [abs.]: *Geological Society of America, Abstracts with Programs*, v. 5, p. 797.
- SCHOLLE, P.A., and KINSMAN, D.J.J., 1973, Diagenesis of Upper Cretaceous chalks from North Sea, England, and Northern Ireland [abs.]: *American Association of Petroleum Geologists Bulletin*, v. 57, p. 803-804.
- HANCOCK, J.M., and SCHOLLE, P.A., 1974, Chalk of the North Sea [abs.], *Conference on Petroleum and the Continental Shelf of Northwest Europe - The Geology and the Environment*: London, Institute of Petroleum (Abstracts volume, Paper No. 32), p. 28.
- HOYT, D.E., and SCHOLLE, P.A., 1974, Paleogeographic interpretation of the Palmetto complex, Ordovician of southwest Nevada [abs.]: *Geological Society of America, Abstracts with Programs*, v. 6, p. 449.
- SCHOLLE, P.A., 1974, Chalk diagenesis [abs.]: *AAPG/SEPM Annual Meeting Abstracts*, v. 1, p. 79-80.
- SCHOLLE, P.A., 1974, Diagenesis of Upper Cretaceous chalks from England, Northern Ireland and the North Sea, *in* Hsu, K.J., and Jenkyns, H.C., eds., *Pelagic Sediments: on Land and under the Sea*: Oxford, International Association of Sedimentologists Special Publication No. 1, p. 177-210.
- SCHOLLE, P.A., and HOYT, D.E., 1974, Quartz grain surface textures from various source rocks: *Oklahoma Geology Notes*, v. 34, p. 36-37.
- SCHOLLE, P.A., and KENNEDY, W.J., 1974, Isotopic and petrophysical data on hardgrounds from Upper Cretaceous chalks from western Europe [abs.]: *Geological Society of America, Abstracts with Programs*, v. 6, p. 943.
- SCHOLLE, P.A., and KINSMAN, D.J.J., 1974, Aragonitic and high-Mg calcite caliche from the Persian Gulf — a modern analog for the Permian of Texas and New Mexico: *Journal of Sedimentary Petrology*, v. 44, p. 904-916.
- TAIRA, A., and SCHOLLE, P.A., 1974, Recognition of depositional environments in sediments using settling-tube data [abs.]: *AAPG/SEPM Annual Meeting Abstracts*, v. 1, p. 88.
- HANCOCK, J.M., and SCHOLLE, P.A., 1975, Chalk of the North Sea, *in* Woodland, A.W., ed., *Petroleum and the Continental Shelf of Europe*: New York, John Wiley & Sons, p. 413-425.
- SCHOLLE, P.A., 1975, Application of chalk-diagenetic studies to petroleum exploration problems

- [abs.]: American Association of Petroleum Geologists Bulletin, v. 59, p. 2197-2198.
- MATTICK, R.E., BAYER, K.C., and SCHOLLE, P.A., 1976, Petroleum potential of a possible Lower Cretaceous reef trend beneath the U.S. Atlantic Continental Slope [abs.], Union Geofisica Mexicana, San Luis Potosi Meeting, Abstracts volume, p. @.
- MATTICK, R.E., SCHOLLE, P.A., BAYER, K.C., and DOLTON, G.L., 1976, Second Atlantic sale may involve tracts off Virginia, Maryland: Oil and Gas Journal, v. 74, p. 168-175.
- SCHOLLE, P.A., 1976, Application of chalk-diagenetic studies to petroleum exploration problems [abs.]: Canadian Society of Petroleum Geologists (CSPG) Reservoir, v. 3, p. 1-2.
- SCHOLLE, P.A., 1976, Blueprint for oil and gas exploration in OCS areas, Branch of Oil and Gas Resources Report, p. 8.
- SCHOLLE, P.A., 1976, Chalk diagenesis as a burial depth indicator [abs.]: Geological Society of America, Abstracts with Programs, v. 8, p. 261-262.
- SCHOLLE, P.A., 1976, Diagenetic patterns of chalks [abs.]: American Association of Petroleum Geologists Bulletin, v. 60, p. 719-720.
- SCHOLLE, P.A., and ARTHUR, M.A., 1976, Carbon-isotopic fluctuations in Upper Cretaceous sediments — an indicator of paleo-oceanic circulation [abs.]: Geological Society of America, Abstracts with Programs, v. 8, p. 1089.
- KAUFFMAN, E.G., and SCHOLLE, P.A., 1977, Abrupt biotic and environmental changes during peak Cretaceous transgressions in Euramerica [abs.]: Journal of Paleontology, v. 51, p. 16.
- MATTICK, R.E., BAYER, K.C., and SCHOLLE, P.A., 1977, Petroleum potential of a possible Lower Cretaceous reef trend beneath the U.S. Atlantic Continental Slope [abs.]: American Association of Petroleum Geologists Bulletin, v. 61, p. 811.
- MATTICK, R.E., GIRARD, O.W., JR., SCHOLLE, P.A., and GROW, J.A., 1977, Potential of deep Atlantic targets examined: Oil and Gas Journal, v. 75, p. 102-107.
- SCHOLLE, P.A., 1977, Chalk diagenesis and its relation to petroleum exploration: oil from chalks, a modern miracle?: American Association of Petroleum Geologists Bulletin, v. 61, p. 982-1009.
- SCHOLLE, P.A., 1977, Current oil and gas production from North American Upper Cretaceous chalks: Washington, D.C., U. S. Geological Survey Circular 767, 51 p.
- SCHOLLE, P.A., 1977, Data summary and petroleum potential, *in* Scholle, P.A., ed., Geological studies on the COST No. B-2 well, U.S. Mid-Atlantic Outer Continental Shelf area: Washington, D.C., U. S. Geological Survey Circular 750, p. 8-14.
- SCHOLLE, P.A., 1977, Deep-water carbonate sedimentology, diagenesis, and petroleum potential [abs.]: American Association of Petroleum Geologists Bulletin, v. 61, p. 827.
- SCHOLLE, P.A., 1977, Deposition, diagenesis, and hydrocarbon potential of "deeper-water" limestones: Tulsa, OK, American Association of Petroleum Geologists Short Course in Exploration Geology Notes No. 7, 27 p.
- SCHOLLE, P.A., 1977, Geological studies on the COST No. B-2 Well, U.S. Mid-Atlantic Outer Continental Shelf Area: Washington, D.C., U. S. Geological Survey Circular 750, p. 71.
- SCHOLLE, P.A., 1977, Sandstone petrography, *in* Scholle, P.A., ed., Geological studies on the COST No. B-2 well, U.S. Mid-Atlantic Outer Continental Shelf area: Washington, D.C., U. S. Geological Survey Circular 750, p. 32-34.
- SCHOLLE, P.A., and CLOUD, K., 1977, Diagenetic patterns of the Austin Group and their control of petroleum potential, *in* Bebout, D.G., and Loucks, R.G., eds., Cretaceous Carbonates of Texas and Mexico: Applications to Subsurface Exploration: Austin, TX, University of Texas, Bureau of Economic Geology Report of Investigations No. 89, p. 257-259.

- SCHOLLE, P.A., and CLOUD, K., 1977, Diagenetic patterns of the Austin Group and their control of petroleum potential [abs.]: American Association of Petroleum Geologists Bulletin, v. 61, p. 1556-1557.
- SCHOLLE, P.A., and KAUFFMAN, E.G., 1977, Paleoeological implications of stable isotope data from Upper Cretaceous limestones and fossils from the U.S. Western Interior [abs.]: Journal of Paleontology, v. 51, p. 24-25.
- TAIRA, A., and SCHOLLE, P.A., 1977, Design and calibration of a photo-extinction settling-tube for grain size analysis: Journal of Sedimentary Petrology, v. 47, p. 1347-1360.
- LOCKRIDGE, J.P., and SCHOLLE, P.A., 1978, Niobrara gas in eastern Colorado and northwestern Kansas, *in* Pruit, J.D., and Coffin, P.E., eds., Energy Resources of the Denver Basin: 1978 Symposium Guidebook: Denver, CO, Rocky Mountain Association of Geologists, p. 35-49.
- MATTICK, R.E., GIRARD, O.W., JR., SCHOLLE, P.A., and GROW, J.A., 1978, Petroleum potential of the U.S. Atlantic outermost shelf, slope, rise, and abyssal plain: American Association of Petroleum Geologists Bulletin, v. 62, p. 592-608.
- MATTICK, R.E., GIRARD, O.W., SCHOLLE, P.A., GROW, J.A., and SCHLEE, J.S., 1978, Petroleum potential of the Mid-Atlantic continental margin [abs.]: U. S. Geological Survey Professional Paper, v. 1100, p. 145.
- SCHOLLE, P.A., 1978, Application of stable carbon isotopic ratios to exploration for deep-water source sediments [abs.]: U. S. Geological Survey Professional Paper, v. 1100, p. 24.
- SCHOLLE, P.A., 1978, A Color Illustrated Guide to Carbonate Rock Constituents, Textures, Cements, and Porosities: Tulsa, OK, American Association of Petroleum Geologists Memoir 27, 241 p.**
- SCHOLLE, P.A., 1978, Diagenesis and hydrocarbon potential of Upper Cretaceous chalks of the Western Interior [abs.]: American Association of Petroleum Geologists Bulletin, v. 62, p. 892.
- SCHOLLE, P.A., 1978, Diagenesis of chalks [abs.]: Jerusalem, 10th International Sedimentology Congress, Abstracts, p. 587-588.
- SCHOLLE, P.A., 1978, Porosity prediction in shallow-water versus deep-water limestones: Society of Petroleum Engineers, Annual Technology Conference, 53rd, Proceedings, Paper 7554, 6 p.
- SCHOLLE, P.A., 1978, Potential offshore hydrocarbon reservoirs in chalk: Dallas, TX, 10th Annual Offshore Technology Conference, Proceedings, p. 599-603.
- SCHOLLE, P.A., KRIVVOY, H.L., and HENNESSY, J.L., 1978, Summary chart of geological data from the COST No. B-2 well, U.S. Mid-Atlantic: U. S. Geological Survey Oil and Gas Investigations Chart.
- ARTHUR, M.A., SCHOLLE, P.A., and HASSON, P., 1979, Stable isotopes of oxygen and carbon in carbonates from Sites 398 and 116 of the Deep Sea Drilling Project: Initial Reports of the Deep Sea Drilling Project, v. 47, p. 477-492.
- SCHOLLE, P.A., 1979, Book review of "The Encyclopedia of Sedimentology," by R.W. Fairbridge and J. Bourgeois: American Association of Petroleum Geologists Bulletin, v. 63, p. 820.
- SCHOLLE, P.A., 1979, Carbon isotopes as a correlation tool [abs.]: U. S. Geological Survey Professional Paper, v. 1150, p. 33.
- SCHOLLE, P.A., 1979, Carbonate petrography slide set: American Association of Petroleum Geologists Publication No. 715, 100 slides.
- SCHOLLE, P.A., 1979, A Color Illustrated Guide to Constituents, Textures, Cements, and Porosities of Sandstones and Associated Rocks: Tulsa, OK, American**

Association of Petroleum Geologists Memoir 28, 201 p.

- SCHOLLE, P.A., 1979, Data summary and petroleum potential, *in* Scholle, P.A., ed., Geological Studies on the COST No. GE-1 Well, U.S. South-Atlantic Outer Continental Shelf Area: Washington, D.C., U. S. Geological Survey Circular 800, p. 18-23.
- SCHOLLE, P.A., 1979, Geological Studies on the COST No. GE-1 Well, U.S. South-Atlantic Outer Continental Shelf Area: Washington, D.C., U. S. Geological Survey Circular 800, 114 p.
- SCHOLLE, P.A., 1979, Introduction to "Symposium on the determination of diagenetic paleotemperatures", *in* Scholle, P.A., and Schluger, P., eds., Aspects of Diagenesis: Tulsa, OK, SEPM Special Publication No. 26, p. 1.
- SCHOLLE, P.A., 1979, Petroleum production from carbonate rocks in China: Washington, D.C., U. S. Geological Survey, Office of Energy Resources, Administrative Report, 9 p.
- SCHOLLE, P.A., 1979, Porosity prediction in shallow versus deep water limestones — primary porosity preservation under burial conditions, *in* Moore, C.H., ed., Geology of Carbonate Porosity: Tulsa, OK, American Association of Petroleum Geologists Continuing Education Course Note Series #11, p. D1-D12.
- SCHOLLE, P.A., 1979, Porosity relations in chalk reservoirs [abs.]: American Association of Petroleum Geologists Bulletin, v. 63, p. 522.
- SCHOLLE, P.A., 1979, Prediction of oil and gas production from chalk reservoirs [abs.]: U. S. Geological Survey Professional Paper, v. 1150, p. 34-35.
- SCHOLLE, P.A., 1979, Sandstone petrography slide set: American Association of Petroleum Geologists Publication No. 716, 100 slides.
- SCHOLLE, P.A., KRIVVOY, H.L., and HENNESSY, J.L., 1979, Summary chart of geological data from the COST No. GE-1 well, U.S. South-Atlantic Outer Continental Shelf: U. S. Geological Survey Oil and Gas Investigations Chart.
- SCHOLLE, P.A., KRIVVOY, H.L., HENNESSY, J.L., MATTICK, R.E., and DILLON, W.P., 1979, Stratigraphic test wells on the outer Continental Shelf [abs.]: U. S. Geological Survey Professional Paper, v. 1150, 144 p.
- SCHOLLE, P.A., and SCHLUGER, P.R., eds., 1979, Aspects of Diagenesis: Tulsa, OK, SEPM Special Publication No. 26, 443 p.**
- TAIRA, A., and SCHOLLE, P.A., 1979, Deposition of resedimented sandstone beds in the Pico Formation, Ventura Basin, California, as determined by magnetic fabric measurements: Geological Society of America Bulletin, v. 90, p. 952-962.
- TAIRA, A., and SCHOLLE, P.A., 1979, Discrimination of depositional environments using settling tube data: Journal of Sedimentary Petrology, v. 49, p. 787-800.
- TAIRA, A., and SCHOLLE, P.A., 1979, Origin of bimodal sands in some modern environments: Journal of Sedimentary Petrology, v. 49, p. 777-786.

1980's

- MATTICK, R.E., SCHOLLE, P.A., and GIRARD, O.W., JR., 1980, Petroleum geology: slope, *in* Mattick, R.E., and Hennessy, J.L., eds., Structural framework, stratigraphy, and petroleum geology of the area of oil and gas lease sale No. 49 on the United States Mid-Atlantic outer continental shelf and slope: Washington, D.C., U. S. Geological Survey Circular 812, p. 87-93.
- SCHOLLE, P.A., 1980, Data summary and petroleum potential, *in* Scholle, P.A., ed., Geological Studies of the COST No. B-3 Well, U.S. Mid-Atlantic Continental Slope Area: Washington, D.C., U. S. Geological Survey Circular 833, p. 13-19.
- SCHOLLE, P.A., 1980, A field guide to the geology of the Permian bank-to-basin section of the

- Guadalupe Mountains area, west Texas, and New Mexico, *in* Scholle, P.A., and Halley, R.B., eds., Upper Paleozoic Depositional and Diagenetic Facies in a Mature Petroleum Province: Washington, D.C., U. S. Geological Survey Open-File Report 80-383, p. 1-139.
- SCHOLLE, P.A., 1980, Geological Studies of the COST No. B-3 Well, U.S. Mid-Atlantic Continental Slope Area: Washington, D.C., U. S. Geological Survey Circular 833, 132 p.
- SCHOLLE, P.A., 1980, Petroleum geology, COST No. B-2 well, *in* Mattick, R.E., and Hennessy, J.L., eds., Structural framework, stratigraphy, and petroleum potential pertaining to proposed oil and gas Lease Sale No. 49 on the United States Mid-Atlantic Outer Continental Shelf and Slope: Washington, D.C., U. S. Geological Survey Circular 812, p. 79-83.
- SCHOLLE, P.A., and ARTHUR, M.A., 1980, Carbon isotope fluctuations in Cretaceous pelagic limestones: potential stratigraphic and petroleum exploration tool: American Association of Petroleum Geologists Bulletin, v. 64, p. 67-87.
- SCHOLLE, P.A., and ARTHUR, M.A., 1980, Carbon isotopes and rates of ocean convection, fertility, and carbon cycling [abs.]: Paris, 26th International Geological Congress, Abstracts, Sections 1-5, p. 285.
- SCHOLLE, P.A., and HALLEY, R.B., EDS., 1980, Upper Paleozoic Depositional and Diagenetic Facies in a Mature Petroleum Province (a field guide to the Guadalupe and Sacramento mountains of west Texas and New Mexico): Washington, D.C., U. S. Geological Survey Open-file Report 80-383, 191 p.
- SCHOLLE, P.A., KRIVOY, H.L., and HENNESSY, J.L., 1980, Summary chart of geological data from the COST No. G-1 well, U. S. North-Atlantic outer continental shelf: U. S. Geological Survey Oil and Gas Investigations Chart.
- SCHOLLE, P.A., SCHWAB, K.A., and KRIVOY, H.L., 1980, Summary chart of geological data from the COST No. G-2 well, U. S. North-Atlantic outer continental shelf: U. S. Geological Survey Oil and Gas Investigations Chart.
- ARTHUR, M.A., SCHOLLE, P.A., POLLASTRO, R.M., BARKER, C.E., and CLAYPOOL, G.E., 1981, Geochemical and sedimentologic indicators of depositional environments and diagenetic trends in the Niobrara Formation (Upper Cretaceous), Colorado and Kansas [abs.]: Geological Society of America, Abstracts with Programs, v. 13, p. 398-399.
- SCHOLLE, P.A., 1981, Porosity prediction in shallow-water versus deep-water limestones: Journal of Petroleum Technology, v. 33, p. 2236-2242.
- SCHOLLE, P.A., SCHWAB, K.A., and KRIVOY, H.L., 1981, Summary chart of geological data from the COST No. B-3 well, U. S. Mid-Atlantic outer continental slope: U. S. Geological Survey Oil and Gas Investigations Chart.
- SPADINI, A.R., and SCHOLLE, P.A., 1981, The Macaé fine-grained limestones: their potential for production, Petroleo Brasileiro (Petrobras) Company Report, 54 p.
- ARTHUR, M.A., KAUFFMAN, E.G., SCHOLLE, P.A., and RICHARDSON, R., 1982, Geochemical and paleobiological evidence for the submarine spring origin of carbonate mounds in the Pierre Shale (Cretaceous) of Colorado [abs.]: Geological Society of America, Abstracts with Programs, v. 14, p. 435.
- ARTHUR, M.A., SCHOLLE, P.A., and HALLEY, R.B., 1982, Report on the second SEPM Research Conference: "Stable-isotopes in sedimentary geology": Journal of Sedimentary Petrology, v. 52, p. 1039-1045.
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