

## VITA

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James B. Duke Professor of Geology Emeritus  
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Personal: Born, New York City, September 19, 1934; raised in Richland, Washington; married, 5 children

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Education: B.S., Geology, Washington State University (1957)  
M.S., Geology, Montana State University (1959)  
Ph.D., Geology, Florida State University (1962)

Memberships:

- 1) Geological Society of America
- 2) Society of Economic Paleontologists and Mineralogists (SEPM)
- 3) Society for Sedimentary Geology
- 4) International Association of Sedimentologists
- 5) American Geophysical Union
- 6) Sigma Xi
- 7) Explorers Club

Experience:

- 1) Summers 1953-1955, U.S. Forest Service, Missoula, Montana, smokejumper;
- 2) Summer 1956, General Electric Company, Richland, Washington, ground water geological assistant;
- 3) 1957, 6 months active, 8 years reserve, U.S. Army -- final rank: Captain;
- 4) Summer 1961, Huber Clay Company, geologic field assistant;
- 5) 1962-1965, University of Georgia, research associate and assistant professor, Marine Lab, Sapelo Island, Georgia;

- 6) 1965-1967, Assistant Professor of Geology, Duke University;
- 7) 1967-1975, Associate Professor of Geology, Duke University;
- 8) 1965-1970 Director of Graduate Studies, Geology Department, Duke University;
- 9) 1972-1973, Visiting Professor, University of Puerto Rico, Department of Marine Sciences;
- 10) 1975-1983, Professor of Geology, Duke University;
- 11) 1975-1976, Senior research geologist, U.S. Geological Survey, Woods Hole, MA;
- 12) 1978-1979, Acting Director, Duke University Oceanographic Program;
- 13) 1983-2001, James B. Duke Professor of Geology, Duke University;
- 14) 1986-2006, Founder and Director, Duke University Program for the Study of Developed Shorelines;
- 15) 2001 to present, James B. Duke Professor of Earth Sciences Emeritus;
- 16) 2006, Founded collaborative program with Western Carolina University of the Program for the Study of Developed Shorelines;
- 17) 2006-present, Director Emeritus, Joint WCU-Duke U. Center for the Study of Developed Shorelines.

Editorships:

- 1) Editor, *Journal of Sedimentary Petrology*, 1978-1983.
- 2) Associate Editor, *Marine Geology*, *Journal of Coastal Research*, and *Geology*
- 3) Series Editor, **Living with the Shore** book series (20 volumes) (with W.J. Neal), 1979-present

Activities:

Member of Duke University scholarly exchange delegation, Peoples Republic of China (1975); member of two state government committees concerned with shoreline development problems; twice member of the Duke University Academic Council (faculty senate); Chairman, Shepard Medal Committee, Society of Economic Paleontologists and Mineralogists, (1971-72); vice-president and program chairman, North Carolina Academy of Science, (1974); marine geology "editor," Glossary of Geology, American Geological Institute, (1976); outside member of various Ph.D. committees in other universities (University of Georgia, George Washington University, University of South Carolina, University of Toronto); University Educational Policy and Program Committee; Duke Marine Lab Advisory Committee; Council, Society of Economic Paleontologists and Mineralogists, (1978-1986); Board of Directors, Association of Earth Science Editors, (1982-1984); Board of Directors, North Carolina Coastal Federation; Board of Directors, The Coastal Alliance; testimony before two congressional committees during barrier island bill deliberations, (1981-1982);

Sedimentary Petrology and physical processes panel, Deep Sea Drilling Program; Publications committee, Joint Oceanographic Institute; Member, National Research Council Panel on sea level rise and coastal engineering; President, North Carolina Academy of Science, (1981-1982); Program Chairman, Association of Earth Science Editors, (1982); Duke University UNOLS representative, (1978-1981); Consultant for shoreline books to Time-Life Books and National Geographic Society; Publications committee, Society of Economic Paleontologists and Mineralogists, (1982-1986); Proposal Review Panel - Submarine Geology and Geophysics, (1984); President-elect of Society of Economic Paleontologists and Mineralogists, (1984), President (1985-86); Program Chairman, 1986 Mid-year Meeting, Society of Economic Paleontologists and Mineralogists; member of Marine Board Committee on Engineering Implications of Changes in Relative Sea-level, National Research Council, National Academy of Sciences; testimony before House Subcommittee on Public Lands and National Parks regarding Oregon Inlet Jetty Project (1984); testimony before joint subcommittee meeting of the Senate Environmental and Public Works committee regarding Oregon Inlet Jetty Project (1984); WAE US Geological Survey (1975-present); organizer, NSF-KOSEF (Korea NSF) conference on Marine Geology of the Yellow Sea, Seoul, Korea (1984); National Academy of Science consultant to Portugal Geological Survey re: start-up of Coastal Geology Program (1985); consultant to "IGNEOMINAS" (Geological Survey of Columbia) re: start-up of Coastal Geology Program (1986); President, SEPM Foundation (1986-1988); Vice President SEPM for Fund Raising, SEPM Foundation (1988-1992); present numerous talks to local civic, social, and environmental groups (8-10 per year); occasional conference keynote speaker; Executive board, Move the Lighthouse Committee (1986-present); testimony before Environment Energy and Natural Resources Subcommittee of the House Committee on Government Operations on beach replenishment at Ocean City, Maryland (1990); National Research Council Beach Replenishment Panel (1992); Geological Society of America, Geology and Public Policy Committee member (1994- ); member of Geological Society of America Council (1994-1996); numerous additional activities not listed (1996-present).

Activities of Note: President, North Carolina Academy of Science, 1982  
 Recipient - James B. Duke Professorship, 1983  
 President, Society of Economic Paleontologists and Mineralogists (SEPM), 1985-1986  
 President SEPM Foundation, Inc., 1986-1989

Awards:

**Francis Shepard medal** for excellence in marine geology, 1987;  
**Conservation Educator of the Year**, N.C. Wildlife Federation, 1991;  
**Honorary Membership**, The Society for the Study of Sediments (SEPM), 1992;  
**George V. Cohee Public Service Award**, The American Association of Petroleum Geologists, 1992;  
**James H. Shea Award** for exceptional contributions in editing of Earth Science materials, National Association of Geology Teachers, 1993;  
**American Geological Institute Award** for outstanding contribution to the public understanding of geology (with William Neal), 1993;  
**Outstanding Public Service Award** for extraordinary contributions to achieving FEMA's goals of reducing the impact of disasters on people and communities through mitigation, Federal Emergency Management Agency (FEMA), 1999;  
**GSA Public Service Award in Honor of Eugene & Carolyn Shoemaker**, recognizing the enhancement of the public's understanding of Earth Science, The Geological Society of America, 2000;  
**Honorary Doctorate Degree, University of the South (Suwannee)**, 2001;  
**Priestley Medal, the Dickinson College Award in Memory of Joseph Priestley**, for distinguished research in coastal geology and public service in policy formulation and education about America's coastal resources, Dickinson College, 2003.

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BOOKS

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Doyle, L.J., and O.H. Pilkey (eds.), 1979, The Geology of Continental Slopes: Society of Economic Paleontologists and Mineralogists Special Paper No. 27, 374 p.

Kaufman, W., and O. H. Pilkey, 1979, The Beaches Are Moving: The Drowning of the American Shoreline: Anchor-Doubleday, 326 p. (Book-of-the-Month Club Alternate Selection, 1980). Paperback edition, Duke University Press, Durham, NC, 1983.

Morton, R.N., O.H. Pilkey, and W.J. Neal, 1983, Living with the Texas Shore: Duke University Press, Durham, NC, 190 p.

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Doyle, L.J., et al. 1984, Living with the West Florida Shore: Duke University Press, Durham, NC, 222 p.

Kelley, J.R., A.R. Kelley, O.H. Pilkey, and A.A. Clark, 1984, Living with the Louisiana Shore: Duke University Press, Durham, NC, 164 p.

McCormick, L.R., O.H. Pilkey, Jr., W.J. Neal, and O.H. Pilkey, Sr., 1984, Living with Long Island's South Shore: Duke University Press, Durham, NC, 157 p.

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Griggs, G., and L. Savoy (eds.), 1985, Living with the California Coast: Pilkey, O.H., and W.J. Neal, (Series eds.): Duke University Press, Durham, NC, 393 p.

Nordstrom, K.F., et al., 1986, Living with the New Jersey Shore: Duke University Press, Durham, NC, 191 p.

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- Finkl, C., and O.H. Pilkey (eds.), 1991, The Impacts of Hurricane Hugo: Sept. 10-22, 1989: Journal of Coastal Research Special Issue #8.
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Neal, W.J., O.H. Pilkey, and J.T. Kelley, 2007, Atlantic Coast Beaches: A Guide to Ripples, Dunes, and Other Natural Features of the Seashore: Mountain Press Publishing Company, Missoula, MT, 250 p.

## VIDEOS

*The Beaches Are Moving* (1992), 1 hour North Carolina PBS production, produced by Michael Sheehan.

*Living on the Edge* (1996), 1 hour production by Environmental Media, Inc.

## ARTICLES

Pilkey, O.H., and Hower, J., 1960, The effect of environment on the concentration of skeletal magnesium and strontium in *Dendraster*: *Journal of Geology*, v. 68, no. 2, p. 203-216.

Pilkey, O.H., and Gorsline, D.S., 1961, Recent root casts in sediments of the Apalachicola Delta, Florida: *Southeastern Geology*, v. 3, p. 37-47.

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- Pilkey, O.H., 1968, Sedimentation processes on the Atlantic Southeastern United States continental shelf: Maritime Sediments, v. 4, no. 2, p. 49-51.

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- Macintyre, I.G., and Pilkey, O.H., 1969, Preliminary comments on linear sand-surface features, Onslow Bay, North Carolina continental shelf: Problems in making detailed sea-floor observations: *Maritime Sediments*, v. 5, p. 26-29.
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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.

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