

BIOGRAPHICAL SKETCH

NAME		POSITION TITLE	
James Ellison Fox		Emeritus Professor of Geology and Geological Engineering	
EDUCATION			
INSTITUTION AND LOCATION	DEGREE	YEAR CONFERRED	FIELD OF STUDY
Gustavus Adolphus College	B.S.	1965	Biology
University of South Dakota	M.S.	1967	Geology
Virginia Polytechnic Institute		1968	
University of Wyoming	Ph.D.	1972	Geology

RESEARCH INTERESTS

SEDIMENTOLOGY, PETROLEUM GEOLOGY AND INVERTEBRATE PALEONTOLOGY

RESEARCH AND/OR PROFESSIONAL EXPERIENCE

Professional Experience: Licensed Professional Geologist PG-2936, State of Wyoming

1970-74 Exploration Geologist- Texaco Rocky Mtn. Division, Denver, CO.

1974-76 Research Geologist- U. S. Geological Survey, Branch of Petroleum Geology, Denver, CO.

1976-99 Faculty Appt. Research Geologist- U.S.G.S., Branch of Petroleum Geology, Denver, CO.

1976-09 Professor of Geology and Geological Engr, South Dakota School of Mines and Tech, Rapid City, SD.

2009- Emeritus Professor of Geology and Geological Engr.; Curator of Invertebrate Paleontology, Museum of Geology, SDSMT.

Honors and Awards:

Recipient of Presidential Award for Outstanding Professor at SDSM&T (1991)

Recipient of NASA-EROS Faculty Summer Research Fellowship (1992)

Chair, Department of Geology and Geological Engr., South Dakota School of Mines and Tech (1997-01)

Selected Publications:

Fox, J.E., Dolton, G.L., and Clayton, **1991**, The Powder River Basin, in Gluskoter, J.J., Rice, D.D., and Taylor, R.B., eds., Economic Geology, U.S.: Boulder, Colorado, **Geological Society of America, The Geology of North America, v. P-2**, p. 373-390.

Fox, J.E., **1993**, Stratigraphic cross sections A-A' through V-V', showing electric logs of Upper Cretaceous and older rocks, Powder River basin, Montana and Wyoming: **U. S. Geological Survey Oil and Gas Investigations Map OC-135 -138**.

Fox, J.E. and Dolton, G.L., **1996**, Petroleum geology of the Bighorn basin, Wyoming and Montana: **Wyoming Geological Association Annual Field Conference and Symposium**, p. 19-40.

Ahlbrandt, T.S. and **Fox, J.E.**, **1997**, Middle Jurassic incised valley fill (eolian/estuarine) and nearshore marine petroleum reservoirs, Powder River basin: **The Mountain Geologist**, vol. 34, no. 3 (July 1997), p. 97-115.

Ahlbrandt, T. S. and **Fox, J.E.**, **1998**, Petrophysical evaluation of low contrast/low resistivity Middle Jurassic valley-fill (eolian/estuarine) reservoirs, Powder River basin, Wyoming: **21st Canadian Well Logging Society Journal** , v. 21, p. 1 – 11. Calgary, Alberta, CAN.

Fox, J.E. and Ahlbrandt, T.S., **2002**, Petroleum Geology and Total Petroleum Systems of the Widyan Basin and Interior Platform of Saudi Arabia and Iraq: **U.S. Geological Survey Bulletin 2202-E**.

Martin, J.E., and **Fox, J. E.**, **2007**, Molluscs in the stomach contents of Globidens, a shell-crushing mosasaur from the Late Cretaceous Pierre Shale, Big Bend area of the Missouri River, Central South Dakota: **Geological Society of America Special Paper 427**.

Fox, J. E., **2007**, A Shallow Marine Fauna from the Late Campanian DeGrey Member of the Pierre Shale Along the Missouri River, Central South Dakota (abs.); Paleontology and Geology of the Missouri River: Following in the Footsteps of Lewis and Clark: **Geological Society of America Special Paper 427**.

Fox, J.E., McCormick, K.A., and Haggar, T.N., **2009**, Cross sections showing geophysical logs of Phanerozoic rocks in South Dakota: **South Dakota Geological Survey Oil and Gas Investigations 2**, plates A-A' through P-P'.