

Resume

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Education

PhD. Geology, Geochemistry minor, 1981 The Colorado School of Mines, Golden, Colorado

M.Sc. Geology 1969 The Colorado School of Mines, Golden, Colorado

B.A. Geology, French minor, 1966 DePauw University, Greencastle, Indiana

Language Studies: French, Arabic, Turkish

Work Experience

2003-2004 Consultant to Geomark: Responsible for geology and geochemical interpretation and writing of Zagros Oil Geochemistry Report

2003 Consultant to Exxon: Lectures Work Shop on Middle East

2003 Co-Chair for Mena 2003 conference (Sept. 2003) Imperial College, University of London

2002-2003 Adjunct Faculty in Geology at Tomball College: Responsible for teaching courses in Physical Geology

2001 Co-Chair of Mena 2001 conference (Sept. 2001) Imperial College, University of London

1999-2003 Consultant in Middle East Regional Geology

Consultant to BPAmoco on future exploration in the Middle East

Presented five papers at MENA conference at Imperial College, University of London (2000, 2001, and 2002)- Developed stratigraphic and structural data base and GIS system for mapping subsurface of Arabian Plate

1982-1999 Amoco (Last Title with Amoco) Geological Associate

1994-1999 Strategic Regional Studies Amoco

Mentor to young Amoco geologists

AHP multi basin ranking of Central Tethys (Middle East and South East Asia) and Report Author

Joint regional project on Paleozoic of Arabian Plate with Turkish National Oil Company and Report Author

1994-1993 Resource Assessment Amoco

Carbonate Reservoir curriculum redesign

Multi-basin ranking of West Tethys (Circum Mediterranean) and Report

University Recruiter (Stanford, UCLA, Cincinnati)

1989-1993 New Ventures Amoco (Middle East) Regional Geologist

Technical Evaluation and Risk Review of Iran IPAC acreage

Technical Representative for Amoco Corporate Middle East Umbrella Strategy
Tech Conf. 90' runner-up best paper award
Tech Conf. 92', best paper award

1986-1989 Qatar, Exploration /Operations
Surface Statics and Surficial Geology Report
Presented two well recommendations
Surface Geochemistry Acquisition and Interpretation Report
Spot Imagery Acquisition, Processing, and Interpretation Report

1985-1986 Overseas Qatar Resident Geologist
Manager of seismic shallow velocity / geology program
Public Relations to Qatar Water Resources Department
Technical interface to Qatar National Oil Company.

1985-1986 Madagascar/Seychelles Exploration
Presented well recommendations on the Seychelles and Madagascar
Lead Geologist on Madagascar Regional Report

1983-1984 Africa and Middle East New Ventures
Presented New Ventures on North Sinai, Egypt, Niger, and Zaire
Performed multi-basin Ranking of Africa Basins and completed report
Data acquisition in Morocco.

1978-1982 Ball State University

Assistant Professor Department of Geology
Teaching Responsibility: Historical Geology, Mineralogy, Geomorphology, Environmental Geology, Geochemistry, Subsurface and Petroleum Geology, Stratigraphy, Geology of Energy Deposits, Field Methods, Field Camp (Black Hills and Big Horn Basin)

1977-1978 University of Georgia (Athens)

Assistant Professor Department of Geology
Teaching Responsibility: Physical Geology, Structural Geology, and Administration of Physical Geology Laboratories.

1975-1977 Colorado School of Mines

Department of Geology (Part-Time Regular Faculty)
Teaching Responsibility: Physical Geology, Structural Geology Laboratories, Geology Field Camp for Petroleum Engineers (Rangley and Dinosaur National Monument), Geology Field Camp for Geophysicists (Colorado San Luis Basin and South Park)

1973-1975 United States Geological Survey (Petroleum Branch-Sedimentation Lab)

Assistant to Edwin D. Mckee, Part-time Employee (35 Hr./Wk.) Responsible for Petrography of Supai Group and assistant for tours of Sedimentation Laboratory
Stratigraphy and petrology of carbonates of the Supai Group of the Grand Canyon, Organic geochemical separations for Leigh Price

1970-1972 Ball State University

Department of Geology, Instructor (Faculty)
Teaching Responsibility: Mineralogy, Hand Specimen Petrography, Field Camp, Geology of the Colorado Plateau, Paleontology laboratories.

1971- Consultant to Total Inc.

Designed and Implemented a Field Course to Silurian Reefs of the Mid West.

1969-1970 New Mexico Bureau of Mines and New Mexico Institute of Technology

Low Sulfur Coals of San Juan Basin

Teaching Responsibility: Graduate Sedimentary Petrology

1967-1969 United States Geological Survey (Heavy Metals Branch)

Assistant to Tom Mullins Part-time Employee (35 Hr./Wk.)

X-ray mineralogical, petrological, and modal analysis of gold-bearing carbonate, the Roberts Mountain Formation

1967-1968 Graduate Assistant at Colorado School of Mines

Teaching Responsibility: Mineralogy Laboratories

Professional Memberships:

AAPG, GSA, Houston Geological Society, SPE.

Honorary Memberships:

Election to Sigma Xi at Colorado School of Mines.

Publications, Talks, and Abstracts

Pierce, W. H., Zumberge, J., and S. Brown, 2004, Zagros Geochemical Study, Petroleum Geochemistry of Crude Oils and Review of Source Rocks from the Zagros, Proprietary GeoMark Research Report, Houston, Texas, 159 p.

Pierce, W. H., and E. Rutherford, 2003, Petroleum Geology of Iraq: A 2003 Review, Invited Talk, New Orleans Geological Society, 6 October 2003.

Pierce, W. H., and E. Rutherford, 2003, Habitat and Petroleum Geology of Iraq: A 2003 Review, MENA2003 Oil and Gas Conference, Imperial College, University of London, (Invited Abstract and Talk).

Pierce, W. H., and E. Rutherford, 2003, The Role of Spatial Coincidence in the Hydrocarbon Habitat of the Arabian Plate, MENA2003 Oil and Gas Conference, Imperial College, University of London, (Invited Abstract and Talk).

Pierce, W. H., and E. Rutherford, 2003, Petroleum Geology of Iraq: A 2003 Review, Abstract and invited Talk, Bull. of Houston Geological Society, Vol. 45, No. 9, pp. 15-19.

Pierce, W. H. 2003, Imagery and Exploration, NASA Student Success Center and The Physical Sciences Department of North Harris Montgomery Community College District, 4 April 2003, (Invited Talk)

Pierce, W. H., 2002, Exploration Portrayal of the Geometry of the Major Unconformities of the Arabian Plate, Cairo, Egypt, Am. Assoc. Pet. Geol. International Meeting, (Abstract and Talk).

Pierce, W. H., and E. Rutherford, 2002, Arabian Plate Oil and Gas Habitat: Gas Expansion versus Gussow, MENA 2002 Oil and Gas Conference, Imperial College, University of London. (Invited Abstract and Talk).

Pierce, W. H., and E. Rutherford, 2002, Jurassic through Permian major unconformities of the Arabian Plate, MENA2002 Oil and Gas Conference, Imperial College, University of London, (Invited Abstract and Talk).

Pierce, W. H., 2002, Chronostratigraphic Isopach mapping of sequences of the Arabian Plate: Product and Process, Abstract and Talk Bull. of Houston Geological Society, January 2002.

Pierce, W. H., 2002, Arabian Plate Hydrocarbon Habitat: Graphic Approaches to Hydrocarbon Habitat. Presentation to United Geological Survey in Denver, February.

- Pierce, W. H., 2001, Arabian Plate Source Rock: Review for Exploration, MENA 2001 Oil and Gas Conference, Imperial University, London. (Invited talk and Abstract).
- Pierce, W. H., and E. Rutherford, 2000, Arabian Plate Hydrocarbon Habitat: Unconformity Carrier Systems, MENA 2000 Oil and Gas Conference, Imperial University, London. Abstract and Talk.
- Pierce, W. H., and E. Rutherford, 2000, Stacked Reservoir Fields Habitat, Middle East and Caspian, MENA 2000 Oil and Gas Conference, Imperial University, London. Abstract and Talk.
- Pierce, W. H., 1999, Southern Arabian Basin Oil Habitat: Seals and Gathering Areas, Abstract and Talk, Bull. of Houston Geological Society,, 17 May 1999.
- Pierce, W. H., and R. Boutell, 1999, Prospectivity and Risk, former IPAC area of Iran, p. 10. Electronic (pdf) and hard copy version, Amoco Report.
- Pierce, W.H. et al., 1998, Paleozoic Hydrocarbon Systems and Prospectivity of the Arabian Plate, Electronic (pdf) and hard copy version, Amoco Report, 95 enclosures, 350 p.
- Miller, M.A., Bozdogan, N., Ertug, K, Wood, G.D., Akca, L., and Pierce, W.H., 1997. Early Silurian Acritarchs and Prasinophytes from the subsurface of Southeastern Turkey. American Association of Stratigraphic Palynologists Annual Meeting, Woods Hole, (abs), p. 28.
- Pierce, W. H., 1996, Creativity in Exploration: A Database and Database Analysis of Quotations relevant to Creativity in Exploration. Internal Amoco Focus Group Report. 69 p.
- Pierce, W. H., and V. H. Vega, 1996, Exploration Difficulty, Undiscovered Reserves, and the Middle East, (Abstract) GeoArabia, Vol. 1, No. 1, p.- 181.
- Pierce, W. H., and Shurgin, A, 1994, Statistical Studies for Assessment of West Tethys Basins, (Abstract) Third geological conference on the Middle East [Geocom III], Amman, Jordan, p.161.
- Pierce, W. H., 1993, Southern Arabian Basin Oil Habitat: Seals and Gathering Areas, Society of Petroleum Engineers SPE 25606, Bahrain Oil Show. pp 103-111.
- Pierce, W. H., 1992, Zagros Hydrocarbon Habitat, (Abstract and Report), in Thrust - Fold Belt Workshop (Amoco), compiled by R. Merritt.
- Pierce, W. H., 1992, Gathering Areas, Seals, and Why There Is So Much Oil in the Middle East (Spread Sheet Analysis) Amoco GEOTECH Conference, January 1992, PP. 41-51, **Amoco Best Paper Award**.
- Pierce, W. H., 1990, Successive Rifting in Madagascar's Morondava Basin & The Application of The Lister Model of Asymmetric Extension to Exploration, (Abstract), in Extension Tectonics Workshop (Amoco), compiled by T. L. Patton, pp. 39-41.
- Pierce, W. H., 1990, Stratigraphic Elevation-Thickness Plots (STEPS) and Their Use in Exploration, Proceedings of the First Annual Amoco G.A.D.G.E.T.S. conference, **Runner-Up Best Paper Award in Amoco**.
- Pierce, W. H., Yeaman, M. E., Knowlton, K. B., and G. E. Steen, 1989, A Geologic History of Successive Rifts in Madagascar's Morondava Basin, (Abstract) in World Rift Systems, Texas A&M Geodynamics Symposium.
- Pierce, W. H., and M. E. Yeaman, 1989, Regional Geology and Prospectivity of the Northern Morondava Basin, Internal Amoco Report.

- Pierce, W. H., 1983, Carbonate-Clastic Facies Changes, Pennsylvanian-Early Permian, Northwest Arizona-Southern Nevada: (Abstract) Amer. Assoc. Petroleum Geologists Bull., vol. 67, no. 3, p. 534.
- Johnston, D. R., W. H. Pierce, R. Wm. Orr, and A. C. Samuelson, 1983, Oil Occurrence in the Waltersburg Formation (Chesterian) of Southwestern Gibson County, Proc. of Indian Academy of Science, Vol. 93, pp. 391-393.
- Pierce W. H, A. J. Gude, III, E. D. Mckee, 1982, Insoluble Residue Patterns, in the Supai Group of the Grand Canyon, United States Geological Survey Paper 1173, pp. 263-272.
- Mckee, E. D., and W. H. Pierce, 1982, Petrography of the Supai Group and Pakoon Limestone, in The Supai Group of the Grand Canyon, United States Geological Survey Professional Paper 1173, pp. 333-359.
- Pierce, W. H., Owens, R. N., Roepke, H. H., 1982, Distribution of Insoluble Residue within the Silurian Mississinewa Member of the Wabash Formation, East-Central Indiana. (Abstract) Geological Society of America Abstracts with Programs for 1982.
- Johnston, D. R., W. H. Pierce, R. Wm. Orr, and A. C. Samuelson, 1983, Oil Occurrence in the Waltersburg Formation (Chesterian) of Southwestern Gibson County, Proc. of Indian Academy of Science, Vol. 93, pp. 391-393.
- Pierce, W. H., 1980, Pennsylvanian and Lower Permian Stratigraphy and History of Part of the Virgin Mountains Area of Northwest Arizona and Southeast Nevada, PhD. Dissertation Colorado School of Mines, 394 p.
- Pierce, W. H., 1980, Arthur J. Phinney, M. D., Indiana's First Subsurface Geologist, Proc. of Indiana Academy of Science, Vol. 90, pp. 335-339.
- Baker, R., Pierce, W. H., and R. W. Orr, 1980, The Geology of the Wheatonville Consolidated Oil Field, Gibson County Indiana: (Abstract) Bull. of Amer. Assoc. of Pet. Geologists, vol. 64, no. 8, pp. 1280-1281.
- Pierce, W. H., 1979, Biostratigraphy of the Upper Carboniferous (Pennsylvanian) in the Virgin Mountains of Southern Nevada and Northwestern Arizona, in Beus, S. S. and Rawson, R. R, eds., Carboniferous Stratigraphy in the Grand Canyon Country, Northern Arizona and Southern Nevada: Field Trip No. 13 of the Ninth International Congress of Carboniferous Stratigraphy and Geology, AGI Selected Guidebook Series No. 2, 127-132.
- Pierce, W. H., 1978, Wolfcampian Facies, Northwest Arizona and Southern Nevada: Geological Society of America Abstracts with Programs for 1978, vol. 10, no. 3, p. 142.
- Pierce, W. H., 1977, Early Permian Slip of the Hurricane and Grand Wash Faults, Northwest Arizona, and Stratigraphic Consequences: (Abstract) Bull. Of Amer. Assoc. of Pet. Geologists, vol. 8, no. 8, p. 1986-1987. **(AAPG Best Student Paper Award)**
- Orr, R. W., and Pierce, W. H., 1973, The Type Section of the Pendleton Sandstone: Proc. of the Indiana Academy of Sciences, vol. 82, pp. 326-334.
- Pierce, W. H., 1972, Pennsylvanian and Permian Stratigraphy and History of the Howard Area, Fremont County, Colorado: Colorado School of Mines Quarterly, Vol. 67, no. 4, p.281-282.
- DeVoto, R. H., Peel, F. A., and Pierce W. H., 1972, Late Paleozoic Tectonism in Central Colorado: (Abstract) Amer. Association of Petroleum Geologists Bulletin, vol. 56, p. 613-614.
- DeVoto, R. H., Peel, F. A., and Pierce, W. H. 1972, Pennsylvanian and Permian Stratigraphy, Tectonism and

History, Northern Sangre de Cristo Range, Colorado: New Mexico Geological Soc. Guidebook, 22nd Field Conf., pp. 141-163.

Pierce, W. H., and J. W. Schomaker, 1971, The San Mateo-Menefee Area, in Strippable Low-Sulfur Coal Resource of the San Juan Basin in New Mexico and Colorado: New Mexico Bureau of Mines and Mineral Resources, Memoir 25, pp. 64-69.

Pierce, W. H., 1969, Pennsylvanian-Permian Stratigraphy of the Howard Area, Central Colorado: (Abstract) Journal of Sedimentary Petrology, vol. 40, p. 771.

Pierce, W. H., 1969, Geology and Pennsylvanian-Permian Stratigraphy of Howard Area, Fremont County, Colorado, MSc Thesis, Colorado School of Mines, 129p.

Pierce, W. H., 1968, Angular Unconformity within Permo-Pennsylvanian Strata Near Howard Area, Central Colorado: (Abstract) Rocky Mt., Sec. An. Mtg., Proc., Geol. Soc. America, p. 59-60.