

RESUME

Dr. Gary G. Bard, Major, US Air Force, Retired
Professor Emeritus
University of Saint Francis, Fort Wayne, IN

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EDUCATION

PhD in Geology, 1982, Iowa State University
MA in Earth Science, 1976, University of Northern Iowa
BA in Science and Religion (double major), 1975, University of Northern Iowa

EMPLOYMENT HISTORY

2012 – Current Discovery Communications
Production Editor
Techbooks: Earth and Space Science, Physics, and Chemistry

2011 Professor Emeritus, University of Saint Francis, Fort Wayne, IN
Retired

2010 – 2011 University of Saint Francis, Fort Wayne, IN
Professor, Physics, Earth Sciences, and Mathematics

2008 – 2010 University of Saint Francis, Fort Wayne, IN
Dean, School of Arts and Sciences

2005 – 2008 University of Saint Francis, Fort Wayne, IN
Chair, Chemistry Department

1998 – 2004 University of Saint Francis, Fort Wayne, IN
Professor, Physics, Earth Sciences, and Mathematics

1994 - 1998 Taylor University, Fort Wayne, IN
Professor, Mathematics and Computer and Systems Science

1969 - 1994 United States Air Force
Retired
Squadron Commander (6 years)
Wing Staff Officer (Executive leadership, 2 years)
Weather Officer (Commander, System manager and numerical programmer, 11 years)
Enlisted (4 years)

ADJUNCT EXPERIENCE

2013 Huntington University, Huntington, Indiana
Visiting Professor

2000 – 2004 Indiana University Purdue University Fort Wayne
Adjunct Professor of Physics

2000 & 1998 Lithuania Christian College, Klaipeda, Lithuania
Adjunct Professor of Computer Science

1984 - 1992 University of Maryland, European Division (England)
Lecturer (Mathematics and Sciences)

1988 - 1989 Mississippi Gulf Coast Community College
Instructor (Physical Science)

1983 City Colleges of Chicago
Instructor (Computer Science and Mathematics)

1982 University of Nebraska at Omaha
Adjunct Professor (Geology)

PUBLICATIONS AND PRESENTATIONS

Funding and Developing Research Experiences for Undergraduates in the Small College Setting, Proceedings of the Third Annual Consortium for Computers in Small Colleges Midwestern Conference, DePauw, University, 1996.
Use of Artificial Intelligence in the Identification of Minerals and Examination of Retardation, Paper presented to the Indiana Academy of Science, 1995.

Paradigms in the Christian Missionfield, Workshop presented at the International Conference for Computers in Missions, Taylor University, 1995.

Forecasting Severe Weather, Air Weather Service technical training video production, 1990.

Jurassic Geology of the United States, Visiting Lecturer Series at Oxford University, England, 1984.

The Banbury Ironstones: Jurassic Ironstones of Central England, Visiting Lecturer Series University of Southampton, England, 1986.

Petrology and Diagenetic Features of the Fort Dodge Gypsum Beds, PhD thesis, 1982.

Glaciation on Mars, Paper presented to the Iowa Academy of Science, 1976.

Geologic History of the Arcadia Province on Mars, Master's thesis, 1976.

MILITARY AWARDS AND DECORATIONS

- 3 Meritorious Service Medals
- 2 Air Force Commendation Medals
- Southwest Asia Service Medal
- 2 Humanitarian Service Medals

MILITARY SERVICE

- 1993 - 1994 Wing Inspector, 39 Special Operations Wing, RAF Alconbury, UK.
Responsible for operational readiness of the Wing. Directed Strategic Planning and quality integration and training.
- 1992 - 1993 Deployed Commander of 352 Special Operations Support Squadron, Incirlik AB, Turkey.
Responsible for operational support to MH53J helicopters and MC-130 combat aircraft.
Commanded 150 men and women
- 1989 - 1992 Chief of Current Operations, 15th Weather Squadron, McGuire AFB, New Jersey.
Responsible for meteorological service to the eastern half of the U.S., the Atlantic Ocean, Central and South America, and Africa. Developed concept of operations for weather support in the Persian Gulf War. Invented a mineralogical feedback mechanism to reverse Iraq's attempt to pollute the Persian Gulf.
- 1986 - 1989 Detachment Commander, 24th Weather Squadron, Keesler AFB Mississippi. Responsible for weather support to Keesler Air Force Base. Directed weather support to federal and local civil defense agencies along the Gulf Coast from Florida to Texas during 5 hurricanes and tropical storms.
- 1983 - 1986 Chief of Computer Programming, Detachment 40, 2nd Weather Wing, RAF Croughton, UK. Responsible for operation and system management of a world-wide, realtime weather data communications network. Managed 24-hour online support to the U.S. and NATO agencies throughout Europe, the Middle East, and Africa. Supervised interception of weather data from Warsaw Pact countries.
- 1980 - 1983 Systems Analyst and Numerical Meteorologist, Air Force Global Weather Central, Offutt AFB, Nebraska. Developed and refined numerical and regression models for generation of weather forecasts and severe weather warnings worldwide.
- 1969 - 1972 Chaplain Services, Bitburg AB, Germany and McChord AFB, Washington