

Robert G. Raynolds
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Education: B.A. 1973, Dartmouth College, Senior Thesis:
Rift Valley sedimentation, Lake Turkana, Kenya
M.A. 1976, Stanford University, Remote sensing
applied to mineral exploration in Nevada and
Oregon, USA
Ph.D. 1981, Dartmouth College, Tectonic controls
on sedimentation in the Himalayan Foothills,
Pakistan

Employment:
1976, 1977 Exxon Production Research Co., Houston
1981 Esso Australia, Sydney, Australia
1983-1992 Amoco Production Co., Houston, Denver
1992-Present: Consulting Geologist
Research Associate, Denver Museum of Nature &
Science
Adjunct Faculty, Colorado School of Mines, Golden

Teaching:
1980-1981 Fulbright Professor, Peshawar University,
Pakistan.
Structural Geology, Tectonics
1981-1982 Assistant Professor, Dartmouth College.
Remote Sensing, Stratigraphy, Tectonics
1990-1996 Field Seminars:
Sequence Stratigraphy, Rift Valley Stratigraphy and
Structure; Stratigraphy of the Mesaverde Group of
the San Juan Basin, CO& NM
Stratigraphy of the Bighorn Basin, WY
1990-1992 Seminars for American Association of
Petroleum Geologists.
Sequence Stratigraphy of Rift Valleys
2000-Present Colorado School of Mines:

Field Methods for Geophysicists
Summer Field Camp for Geophysics Department
2000-Present Denver Museum Adult Ed classes:
Geology of the Western US
Geology of the Denver Basin
Water resources of the Denver Basin
Water resources of the World
Climate change, impact on Colorado
Field classes by bus and canoe
2012-Present Stony Brook University, Turkana Basin
Institute, geology and field methods classes in
Kenya
2021-Coordinating weekly seminar on Siwalik geology
with a Zoom-master located in Quetta, Baluchistan

Current Research:

*Evolution of the sedimentary filling process of the Denver Basin.

*Geometry of aquifers: controls on quality by depositional processes.

*Communication of climate change issues to students and colleagues.

International Field Work: Bolivia, Mexico, Guatemala, El Salvador, Nicaragua, Panama, Malawi, Burundi, Kenya, Botswana, Ethiopia, Egypt, Pakistan, Nepal, Tibet.

Publication Topics: Remote Sensing, Stratigraphy, Structural Control on sedimentation, Paleomagnetic stratigraphy, Volcanology, Hydrogeology, Water resources, Earth science education.

Edited Volumes: Geologic results of the Denver Basin Project, Cenozoic stratigraphy of the western US, Field trip guidebook to western US.

Media: Interviews on Radio (Colorado Matters) and TV, including local programming and Discovery Channel. Coverage in newspapers including a multi part feature on groundwater by the Rocky Mountain News.

WebMedia: Developed and manage three websites on stratigraphy of Colorado, northern Kenya, and Pakistan:

Coloradostratigraphy.org

Turkanastratigraphy.org

Siwalikstratigraphy.org

TikTok:

Brief programs on geology and groundwater on Denver Museum's channel. Viewed by over 450,000.

Recent Lecture Topics:

*Water Resources of the Front Range: Are we drinking ourselves dry?

*Geology of the Denver Basin: The resources beneath our feet.

*Climate change and its impact on Colorado.

Foreign Languages:

French, Spanish.

Non Profits:

*Friends of Dinosaur Ridge, 1990-Present.

Offices held: Treasurer, Secretary, President

*Colorado Scientific Society, 2015-Present.

Offices held: President

*Putney School, (secondary school in Vermont), 2005-Present
Chair, Building Committee.