

DUKE GEOLOGICAL LABORATORY
55 Spongia Road
Stone Ridge, NY 12484



Our 49th Year

Phone: 845-687-6386

E-Mail: Charlesm@dukelabs.com

Web: www.dukelabs.com

DUKELABS LECTURE TOPICS (by Charles Merguerian, PhD, PG)

Building Tunnels in NY to NJ

Constructing the Second Avenue Subway Tunnel, NYC

Ten Million Thirsty People - Geohistory of the NYC Aqueduct System

Geology of the New York Botanical Garden, Bronx, NY

Mineralogy and Mining History of the Inwood Marble Formation, NYC, NY

Shear Zones and Plunge Pools - Bedrock and Glacial Geology of the World Trade Center Site

Geology and Tectonics of the World Trade Center

Glacial Geology of New York City

Catastrophic Glacial Flood through the Narrows, Staten Island

From Rocks To Ice - Geology of Central Park

Ophiolites (Mantle Slivers) in NYC

Structural Geology of New York City

MegaCity NY - Megaconstruction Projects in NYC

Minerals and Iron Mines of the Hudson Highlands

History of Mining and Their Minerals - Western Connecticut

Constructing the Harlem River Cable Tunnel, NYC

Constructing the Queens Water Tunnel, NYC

Fault Zone Minerals of the Queens Water Tunnel, NYC

Methods of Tunnel Construction in NYC

Earthquakes Faults and Faulting in New York City - Can it Happen Here?

Geology and Mineralogy of the Bear Mountain Area

Geology and Sedimentology of Ocean Basins

Gold Mining History of California

Yellowstone Supervolcano - Geology of Yellowstone Park and the Grand Tetons

The Abyss of Geological Time

Geology of Connecticut

Geology of New Jersey

Geology of New York State

Geology of the Palisades and the Newark Basin

Geology of Hawaii and the Hawaiian Hot Spot

Geology of the Grand Canyon and Northern Arizona

Geology of the Sierra Nevada Range, California

Metamorphism and Metamorphic Rocks

Ore Deposits and Their Relationship to Plate Tectonics

Plate Tectonics and Mountain Building

Volcanic Hazards of the Cascade Volcanic Province, Western United States

Understanding Geological Maps

Volcanic- and Plutonic Rocks

History of the Space Race (1800s-1969)

History of Rocketry and Space Travel

Geology of the Moon

Geology of the Planets

Name That Rock Seminars - Identifying Rocks and Minerals

Topics are covered in roughly one hour and are illustrated with Powerpoint slides and embedded movie clips. Our 2023 fees average \$450 US per lecture depending upon travel requirements. Special arrangements can be made to discuss new topics not listed above.