

RICHARD L. COULTER

Climate Research Section
Environmental Sciences Division
Argonne National Laboratory

Education:

Ph.D. Pennsylvania State University, Meteorology, 1976
M.S. Rutgers University, Physics, 1969
B.A. Kalamazoo College, Cum laude with honors in Physics, 1967

Professional Experience:

2003-Present Senior Fellow, Center for Environmental Science,
University of Chicago

1981-Present Meteorologist, Environmental Science Division
1992-2005 Group Leader, Remote Sensing Group, Atmospheric Research
Section, Environmental Research Division

1987-2005 Project Leader, Atmospheric Section, Environmental Research Division

1983-1987 Project Leader, Atmospheric Physics Program, Env. Research Div.

1977-1981 Assistant Meteorologist, Radiological & Environmental Research Div.
Argonne National Laboratory

Previous Experience:

1976-1977 Senior Project Associate, Pennsylvania State University
University Park, PA

1970-1972 U.S. Army, U.S. Army Tank Automotive Command

Research Interests:

Remote probing of the lower atmosphere and oceans
Planetary boundary layer dynamics
Influences of complex terrain on the energy and dynamics of the lower atmosphere
Nocturnal evolution of the lower atmosphere
Turbulent exchange of mass, momentum, heat, and moisture in the atmosphere
Instrument development

Professional Activities:

Phi Beta Kappa

Sigma Xi

American Meteorological Society

Standing Committee on Atmospheric Measurements, 1985-1986

ASCOT Planning and Advisory Panel

International Acoustic Remote Sensing Society Advisory Panel

Awards and Honors:

Freshman Physics Award, 1963

Publications:

Author or co-author of more than 150 journal, book, report, and conference publications and presentations.