

## Brief Profile

- Athletics:** NAIA First Team All-America, Basketball, 1967  
NCAA Postgraduate Scholarship, College Division, 1967
- Birthdate:** 20 December 1945
- Education:** Ph. D.- Case Western Reserve University (1971)  
M. S. - Case Institute of Technology (1969)  
B. S. - Westminster College (New Wilmington, PA) (1967)  
Mohawk High School (1962-63), Bessemer, PA  
Wampum High School (1960-62), Wampum, PA
- Employment:** Physics Department, U. S. Naval Academy  
Officer Instructor, May 1971-August 1974  
Assistant Professor, August 1974-August 1978  
Associate Professor, August 1978-August 1984  
Professor, August 1984-present