



UND School of Engineering and Mines

ACADEMY

Curtis L. Orr

Born: December 22, 1930, Columbus, ND

Education: UND BSEE 1953



Career Experience

1953-56 USAF, National Security Agency, Washington, D.C.

1956-59 Boeing Flight Test Center, Seattle, WA, Data Processor

1959-61 Boeing, Seattle, WA, Minuteman Ballistic Missile Program Resident Engineer, Melbourne, FL

1963 Boeing, Seattle, WA, Lunar Orbiter Proposal Team

1963-65 Boeing, Seattle, WA, Minuteman Design Team

1965-75 Boeing, Seattle, WA, SRAM Missile Design Manager

1975-80 Boeing, Seattle, WA, Airborne Early Warning and Control System (AWACS) Aircraft

1980-85 Boeing Technical Management Services, Munich, West Germany, Engineering Technical Manager and Base Manager, NATO AWACS Aircraft

1985-92 Boeing, Seattle, WA, AWACS Program Engineering, Manager, Saudi AWACS aircraft

1992-95 Boeing, Seattle, WA, 767 AWACS Program Design, Manager, Surveillance Radar, IFF, and Rotodome Radomes

1995 Retired from Boeing Company

1995-07 Returned to Boeing Company as Contractor

Accomplishments

Worked for the Boeing Company as an engineer, manager and contractor for over 50 years

Major career contributions included:

Design for the development of automated aircraft flight data processing systems

Development of high speed missile airborne instrumentation systems for Minuteman Ballistic Missile

Design of the tracking transponder system for the Lunar Orbiter proposal

Upgrades to the surveillance radar in response to USAF directives

Management of installation, check-out and delivery of AWACS aircraft

Design of Surveillance Radar, IFF and Rotodomes Radomes for AWACS

Upgrade of AWACS IFF sensor

Digital communications systems designs for

NATO fleet upgrade

