

University Professor of Aerospace Engineering

1970-72	D. Engrg. Sc.D.	Purdue University Ohio State, Miami U., Wittenberg U., Butler U., U. of Maryland, Drake U.
	LL.D.	Notre Dame
1970	M.S.	Univ. of Southern California (Aerosp. Engrg.)
1955	B.S.	Purdue University (Aero. Engrg.)

Professional and Society Affiliations: (partial listing)

Amer. Inst. Aeronautics and Astronautics, Honorary Fellow  
American Astronautical Society, Fellow  
Society of Experimental Test Pilots, Fellow  
Soaring Society of America, Member  
Royal Aeronautical Society, Fellow

Fields of Special Interest:

Flight Testing  
Flight Mechanics  
STOL Aerodynamics  
Astrophysics

Consulting Activities:

Consultant to NASA  
Member, Flight Mechanics Panel, AGARD (NATO's Advisory Group for  
Aerospace Research and Development)  
Director of National Center for Resource Recovery  
Director, Gates Learjet Corporation  
Director, Cincinnati Gas & Electric Company  
Director, Fifth Third Bank

Experience:

1971-present	University Professor of Aerospace Engineering, University of Cincinnati
1970-1971	Deputy Associate Administrator for Aeronautics, Office of Advanced Research and Technology, NASA, Washington, D.C.
1962-1970	Manned Spacecraft Center, Houston, Texas Commander, Apollo 11 (1969) Commander Pilot, Gemini 8 (1966)
1955-1962	NACA, NASA Lewis Flight Propulsion Lab, Cleveland, Ohio High Speed Flight Station, Edwards AFB, Calif.
1949-1952	USN, Aviator, Korea

Honors and Awards: (partial listing)

Presidential Medal of Freedom  
Exceptional Service Medal, NASA  
Hubbard Gold Medal, National Geographic Society

Honors and Awards: (cont'd)

Arthur S. Flemming Award  
Robert H. Goddard Memorial Trophy  
Asa V. Call Achievement Award  
William J. Donovan Award  
Robert J. Collier Trophy  
Kitty Hawk Memorial Award  
Livingston Gold Medal, Royal Scottish Geog. Society

Publications:

Armstrong, N.A., Heimlich, H.J., Patrick, E.A., Rieveschl, G.R.,  
"Apollo Double Diaphragm Pump for Use in Artificial Heart-Lung  
Systems", Proceedings of AAMI National Meeting, March 1975.  
Armstrong, N.A., "Communication in the Space Age," The Mountbatten  
Lecture, University of Edinburgh, 1972.  
Armstrong, N.A., "Lunar Surface Exploration," COSPAR, Leningrad, 1970,  
and Akademif-Veriag, Berlin, 1971.  
Armstrong, N.A., "Lunar Landing Strategy," Proceedings of the Society  
of Experimental Test Pilots, 13th Symposium, 1969.  
Nassiff, S.H., and Armstrong, N.A., "Apollo Flight Crew Training in  
Lunar Landing Simulators," AIAA Paper 68-254, 1968.  
Armstrong, N.A., "Gemini Manned Flight Program" Proceedings of the  
Society of Experimental Test Pilots, 8th Symposium, 1964.  
Armstrong, N.A., and Holleman, E.C., "A Review of In-Flight Simula-  
tion Pertinent to Piloted Space Vehicles," AGARD Report 403, 1962.  
Matranga, G.J., and Armstrong, N.A., "Approach and Landing Investi-  
gation at Lift-Drag Ratios of 2 to 4 Utilizing a Straight-Wing  
Fighter Airplane," NASA TM-X-31, August 1960.  
Armstrong, N.A., Holleman, E.C., and Andrews, W.H., "Utilization of  
the Pilot in the Launch and Injection of a Multistage Orbital  
Vehicle," IAS Paper 60-16, 1960.  
Armstrong, N.A., "X-15 Operations - Electronics and the Pilot,"  
Astronautics, May 1960.  
Armstrong, N.A., "Test Pilot Views on Space Ventures," Proceedings  
of ASME Aviation Conference, 1959.  
Armstrong, N.A., "Future Range and Flight Test Area Needs for Hyper-  
sonic and Orbital Vehicles," Proceedings of Professional Pilots  
Symposium on Air Space Safety, 1958.