# NASA JOHNSON SPACE CENTER ORAL HISTORY PROJECT BIOGRAPHICAL DATA SHEET

NAME: Eugene Edzards Covert

ORAL HISTORY: 22 June 1999

#### **EDUCATIONAL BACKGROUND:**

B.S. in Aeronautical Engineering, University of Minnesota, Minneapolis / St. Paul, Minnesota, 1946

M.S. in Aeronautical Engineering, University of Minnesota, Minneapolis / St. Paul, MMinnesota 1948

Sc.D. in Aeronautical Engineering, Massachusetts Institute of Technology, Cambridge, Massachusetts, 1958

### **PRE-NASA CAREER:**

United States Navy (1943-1947)

Preliminary Design Aerodynamicist, Naval Air Development Center, Johnsville, Pennsylvania (1948-1952)

Research Engineer to Associate Director, MIT Aerophysics Laboratory, Cambridge, Massachusetts (1952-1963)

Associate Professor of Aeronautics and Astronautics, MIT, Cambridge, Massachusetts (1963-1968)

Professor of Aeronautics and Astronautics, MIT, Cambridge, Massachusetts (1968-1985) Chief Scientist, United States Air Force (1972-1973)

### NASA CAREER:

Advisory Group for Aerospace Research and Development (AGARD), Power and Energetics Panel

Member (1975-1984)

Chairman (1981-1984)

Chairman, Ad Hoc Committee for Review of the Space Shuttle Main Engine Development Program (1978)

Member, National Research Council (NRC) Committee on NASA Program Changes (1981- date unknown)

Member, Office of Science Technology and Policy (OSTP) Aeronautical Policy Review Committee (1983-1988)

Member, NASA Aeronautics Advisory Committee (1985-1989)

Member, Presidential Commission on the Space Shuttle Challenger Accident (1986)

NRC's Aeronautics and Space Engineering Board (ASEB)

Vice Chairman (1988-1990)

Chairman (1990)

#### **POST-NASA CAREER:**

Consultant, Various Companies (1963- date unknown)

Technical Director, European Office for Research and Development (1978-1979)

Massachusetts Institute of Technology, Cambridge, Massachusetts

Department Head, Aeronautics and Astronautics (1985-1990)

Director, Gas Turbine and Plasma Dynamics Laboratory (1979-1984)

Director, Wright Brothers Facility (1991- date unknown)

Adjunct Professor, Aeronautics And Astronautics (1991-)

Aerospace America Advisory Committee, AIAA (1984- date unknown)

**CURRENT OCCUPATION:** Adjunct Professor of Aeronuatics and Astronautics, MIT, Cambridge, Massachusetts

### **PROFESSIONAL & HONORARY SOCIETIES:**

- Member, National Academy of Engineering
- Fellow, American Institute of Aeronautics and Astronautics (AIAA)
- Fellow, Royal Aeronautical Society
- Member, New York Academy of Science
- Fellow, American Association for the Advancement of Science
- Registered Professional Engineer in Massachusetts
- Chartered Engineer in United Kingdom
- Member, Sigma Xi

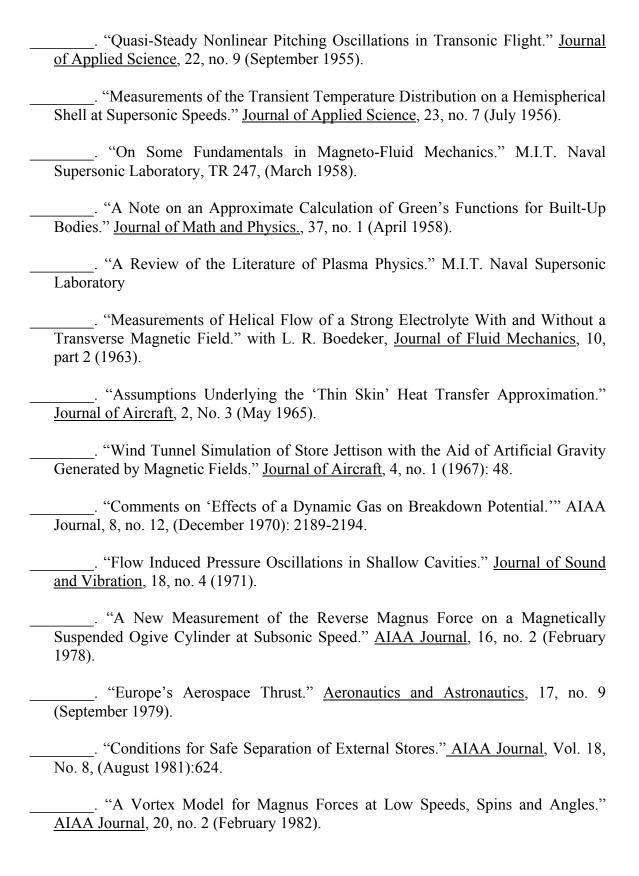
# **AWARDS & CITATIONS:**

- Exceptional Civilian Service Award, United States Air Force, 1973 and 1976
- University Educator of the Year, Engineering Science Division, American Society of Aerospace Education, National Aeronautic Association, 1980
- NASA Public Service Award, 1981
- MIT Graduate Student Council Outstanding Teacher Award, 1985
- American Institute of Aeronautics and Astronautics Ground Testing Award, 1990
- Advisory Group for Aerospace Research and Development von Karman Medal, 1990
- American Institute of Aeronautics and Astronautics W. F. Durand Lectureship, 1992

# **SELECT PUBLICATIONS:**

Covert, Eugene. "A Particular-Solution of a Nonlinear Differential Equation Which Occurs in the Dynamics of Conservative Systems and Its Application to Undamped Airplane Motion." <u>Journal of Applied Science</u> 22, no. 2 (February 1955).

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Deformation of a Cantilever Plate Subject to Nonuniform and Aeroela	astica	ılly
Induced Loads." Journal of Applied Science 22, no. 8 (August 1955).		



	"Unsteady Turbulent Boundary Layer in Adverse Pressure Gradients." <u>AIAA</u>
	<u>Journal</u> , 22, no. 1 (January 1984):22-28.
	. "Back to Basics; Aerospace Education in the 90's." Aerospace America
_	Educational Issue, (April 1992).

# **BIOGRAPHICAL REFERENCES:**

American Men & Women of Science, 17<sup>th</sup> ed. 1989-90, s.v. "Covert Eugene Edzards."

Covert, Eugene E., Curriculum Vita, NASA Headquarters Awards Office, NASA Headquarters, Washington, DC.

Who's Who in America, 46<sup>th</sup> ed. 1990-91, s.v. "Covert, Eugene Edzards."

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