

NASA JOHNSON SPACE CENTER ORAL HISTORY PROJECT

BIOGRAPHICAL DATA SHEET

NAME: Owen E. Maynard

ORAL HISTORY: 21 April 1999

EDUCATIONAL BACKGROUND:

BS in Aeronautical Engineering, University of Toronto, Toronto, Ontario, 1951

MILITARY EXPERIENCE: Flying Officer, Royal Canadian Air Force

PRE-NASA CAREER:

Engineer (structures and mechanics) AVRO Aircraft, Ltd., Malton, Ontario, Canada

NASA CAREER:

Space Task Group/Manned Spacecraft Center - Langley Field, VA/ Houston, TX
Engineer, Systems Test Branch, Flight Systems Division
Assistant Flight Systems Engineer, Systems Integration Section (ca.1961)
Acting Manager, Spacecraft Systems Office, LEM (Feb. 1963- date unknown)
Chief LEM Engineering Office, Apollo Spacecraft Project Office (1963- date unknown)
Head, Systems Integration Branch
Head, Spacecraft Integration Branch
Assistant Chief Engineer, Engineering Systems Division
Chief, Systems Engineering Division (1965-1966, 1967- date unknown)
Chief, Mission Operations Division (1966-1967)

POST-NASA CAREER:

Senior Engineering Manager, Raytheon Company, Sudbury, Massachusetts (1970- date unknown)

CURRENT OCCUPATION: Retired

AWARDS & CITATIONS:

- Exceptional Service Award (1969)
- Honorary Ph.D., University of Toronto (1996)

SELECT PUBLICATIONS:

Arabian, D. D., O. E. Maynard, and W. B. Mitchell. "Gemini Results as Related to the Apollo Program." In Gemini Summary Conference 1967, 329-336. Houston: NASA Lyndon B. Johnson Space Center, 1967.

- Brown, W. C. and O. E. Maynard. "The adaptation of free space power transmission technology to the SSPS concept." AIAA Paper 75-642, 01 April 1975.
- Glaser, P. E., O. E. Maynard, J. J. R. Mackoviak, and E. I. Ralph. Feasibility Study of a Satellite Solar Power Station. Cambridge, MA: Arthur D. Little, Inc., 1974.
- Johnson, C. C., O. E. Maynard, and R. O. Piland. "Apollo Spacecraft Design." In NASA-IND. Apollo technical conference 20 July 1961. Angley, VA: NASA Space Task Group, 1961.
- Maynard, O. E. "The Apollo Program." In Apollo: A Program in Review, Society of Automotive Engineers, National Aeronautic and Space Engineering and Manufacturing Meeting, Los Angeles, California, Oct. 5-9, 1964, Proceedings, 5-8, 62. NASA Sp-257. New York: Society of Automotive Engineers, 1964
- Maynard, O. E. "Initial MPTS study results: Design considerations and issues." In Solar Power Satellite Microwave Transmission and Reception, NASA Johnson Space Center, 28-32. Houston: NASA Johnson Space Center, 1980.
- Maynard, O. E. "Solid state sandwich concept: Designs, considerations and issues." In Solar Power Satellite Microwave Transmission and Reception, NASA Johnson Space Center, 28-32. Houston: NASA Johnson Space Center, 1980.
- Maynard, O. E. "Spacecraft description." In Manned Lunar Exploration Symposium, 11-20. N.p., 1964.
- Maynard, O. E. Solid State SPS microwave generation and transmission study. 2 volumes. Wayland, MA: Raytheon Co., 1980.
- Maynard, O. E., et al. Microwave Power Transmission Studies. 4 volumes. Sudbury, MA: Raytheon Co., 1975.
- Maynard, O. E., et al. "Space-borne power conversion into a microwave beam and its impact on the environment of the upper atmosphere." In Intersociety Energy Conversion Engineering Conference, 12th, Washington DC, August 28-September 2, 1977, Proceedings. Volume 2. LaGrange Park, Ill: American Nuclear Society, 1977.
- Maynard, Owen E., et al. "Earth based microwave power beaming to interorbital (LEO to and from HEO and GEO) electrically propelled transport vehicles." In Power from space: Proceedings of the 2nd International Symposium, Gif-sur-Yvette, France, Aug. 27-30, 1991, 504-509. Paris, France: Societe des Electriciens et des Electroniciens and Societe des Ingenieurs et Scientifiques de France, 1991.

PATENTS:

Radial Module Space Station, 24 January 1967

BIOGRAPHICAL REFERENCES:

Charles Murray and Catherine Bly Cox, Apollo: The Race to the Moon (New York: Simon and Schuster, 1989).

NASA Biographies for Owen E. Maynard, Biographical Files, Scientific and Technical Information Center, Lyndon B. Johnson Space Center, Houston, TX.

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