

BIBLIOGRAPHY

NASA ELECTRONICS RESEARCH CENTER

- "Effort Embraces Spectrum from SST to Private Planes." *Aerospace Technology*, November 20, 1967, 21:11, 56-7.
- Hechler, Ken. *Toward the Endless Frontier: History of the Committee on Science and Technology, 1959-1979*. Washington, DC: GPO, 1980.
- Kelley, Albert J. Preliminary draft. "Staff Report on the Electronics Research Center," January 1963, File 4878, NASA Historical Reference Collection, NASA History Office, NASA Headquarters, Washington, DC.
- Levine, Arnold S. *Managing NASA in the Apollo Era*. SP-4102. Washington: NASA, 1982.
- Mark, Hans, and Arnold Levine. *The Management of Research Institutions: A Look at Government Laboratories*. SP-481. Washington: NASA, 1984.
- McDougall, Walter A. ... *The Heavens and the Earth: A Political History of the Space Age*. New York: Basic Books, 1985.
- Murphy, Thomas. *Science, Geopolitics, and Federal Spending*. Lexington, MA: Lexington Books, 1971.
- "Preliminary History of the National Aeronautics and Space Administration during the Administration of President Lyndon B. Johnson: Final Edition." Manuscript. 2 vols. Washington: NASA, 1969.
- Rhea, John. "ERC is Focal Point of Future Efforts." *Aerospace Technology*, November 20, 1967, 21:11, 53-6.
- Rollins, Robert H., II. "Closing of the NASA Electronics Research Center: A Study of the Reallocation of Space Program Talent." M.S. Thesis, Alfred P. Sloan School of Management, MIT, May 1970, 106-187, in Boyd C. Myers, II. *A Report on the Closing of the NASA Electronics Research Center, Cambridge, Massachusetts*. Washington: NASA, October 1, 1970.
- Tomayko, James E. *Computers in Spaceflight: The NASA Experience*. New York: M. Dekker, 1987. Also published as *Computers in Space: Journeys with NASA*. Indianapolis: Alpha Books, 1994.

PROCEEDINGS OF ERC SYMPOSIA

- Electronics Research Center. *Evaluation of Motion-Degraded Images*. NASA SP-193. Washington: Scientific and Technical Information Division, NASA, 1969.
- Electronics Research Center. *Future Fields of Control Application*. NASA SP-211. Washington, Scientific and Technical Information Division, NASA, 1969.
- Electronics Research Center. *NASA Inter-Center Control Systems Conference*. Washington: Scientific and Technical Information Office, NASA, 1978.
- Electronics Research Center. *Proceedings of the Computer-aided System Design Seminar*. Washington: NASA, 1969. MIT, April 9, 1969.
- Electronics Research Center. *Recent Advances in Display Media*. NASA SP-159. Washington: Scientific and Technical Information Division, NASA, 1968.
- Electronics Research Center. *Spaceborne Multiprocessing Seminar*. Cambridge: ERC, 1966.
- Kennedy, Robert S., and Sherman Karp, ed. *Optical Space Communication*. NASA SP 217. Washington: Scientific and Technical Information Division, NASA, 1969.
- Mannella, Gene G., ed. *Aerospace Measurement Techniques*. NASA SP-132. Washington: Office of Technology Utilization, NASA, 1967.
- Thompson, William I., III. *The Color of the Ocean*. Washington: NASA, 1969.

WORKS RELATED TO SELECTED ERC RESEARCH AREAS

HOLOGRAPHY

Caulfield, Henry John, and Sun Lu. *The Applications of Holography*. New York: Wiley-Interscience, 1970.

Kock, Winston E. *Lasers and Holography: An Introduction to Coherent Optics*. 1st ed. Garden City, NY: Doubleday, 1969.

Stambler, Irwin. *Revolution in Light: Lasers and Holography*. Garden City, NY: Doubleday, 1972.

Stroke, George W. *An Introduction to Coherent Optics and Holography*. 2d ed. New York: Academic Press, 1969.

Zec, Peter. *Holographie: Geschichte, Technik, Kunst*. Köln: DuMont, 1987.

COMPUTERS AND SPACE

Binder, John D. "A Brief History of Computers in Aerospace." *Aerospace America*, April 1994, 32, 19-20.

Ceruzzi, Paul E. *Beyond the Limits: Flight Enters the Computer Age*. Cambridge: MIT Press, 1989.

Hall, Eldon C. *Journey to the Moon: The History of the Apollo Guidance Computer*. Reston, VA: American Institute of Aeronautics and Astronautics, 1996.

Reid-Green, Keith S. "Early Years in Aerospace Computing." *IEEE Annals of the History of Computing*, Oct.-Dec. 1997, 19, 54-57.

Wertheim, Margaret. *The Pearly Gates of Cyberspace: A History of Space from Dante to the Internet*. London: Virago Press, 1999.

Williams, Michael R. "'Beyond the Limits: Flight Enters the Computer Age' at the National Air and Space Museum." *Technology and Culture*, 1990, 31, 838-45.

AEROSPACE ELECTRONICS

- Battin, Richard H. "Space Guidance Evolution at MIT: The Early Days," 3-14 in David J. Benney et al, ed. *Applied Mathematics, Fluid Mechanics, Astrophysics: A Symposium to Honor C.C. Lin*. Singapore: World Scientific, 1988.
- Battle, E. H., A. Tatz, and J. E. Woodward. "Some Early Achievements in Landing Guidance Using Mechanically Scanned Pulse-encoded Beams." *IEEE Transactions on Aerospace and Electronic Systems*, September 1989, 26, 775-81.
- Mackenzie, Donald. "Stellar-Inertial Guidance: A Study in the Sociology of Military Technology," in Everett Mendelsohn, ed. *Science, Technology, and the Military*. Boston: Kluwer Academic Publishers, 1988.
- Mueller, Fritz K. "A History of Inertial Guidance." *Journal of the British Interplanetary Society*, 1985, 38: 180-192.
- Viterbi, Andrew J. "The Evolution of Digital Wireless Technology from Space Exploration to Personal Communication Services." *IEEE Transactions on Vehicular Technology*, August 1994, 43, 638-43.
- Ward, W. W., and F. W. Floyd. "Thirty Years of Research and Development in Space Communications at Lincoln Laboratory." *Lincoln Laboratory Journal*, 1989, 2:1, 5-34.
- Wilkins, David E. B. "From HF Radio to Unified S-Band: An Historical Review of the Development of Communications in the Space Age." *Acta Astronautica*, February 1989, 19, 171-90.