

References

1. The Aerospace Corporation, *The Aerospace Corporation, Its Work: 1960-1980* (El Segundo, CA: 1980).
2. The Aerospace Corporation, *Aerospace Origins and Operations* (El Segundo, CA: 1992).
3. The Aerospace Corporation, *The Aerospace Corporation, 1992 Annual Report* (El Segundo, CA: 1993)
4. The Aerospace Corporation, *Space System Risk Management* (El Segundo, CA: 1993).
5. The Aerospace Corporation, *The Aerospace Corporation, Annual Report, 1993* (El Segundo, CA: 1994).
6. The Aerospace Corporation, *The Role of The Aerospace Corporation FFRDC* (El Segundo, CA: 1994).
7. Anger, Thomas E., Vice President and Treasurer, CNA Corporation, Alexandria, VA, letter to Brian McCue, Director of Assessment of Defense Modeling and Simulation, the Office of Technology Assessment, U.S. Congress, Washington, DC, Sept. 27, 1994.
8. The Arroyo Center, *The Arroyo Center Annual Report, Research Year 1993-1994* (Santa Monica, CA: 1994).
9. Bureau of the Budget, *Report to the President on Government Contracting for Research and Development* (Washington, DC: U.S. Government Printing Office, 1962).
10. Burke, Mary V., Division of Science Resource Studies, National Science Foundation, Washington, DC, personal communication, Jan. 11, 1994.
11. Burke, Mary V., Division of Science Resource Studies, National Science Foundation, letter to the Office of Technology Assessment, U.S. Congress, Washington, DC, Sept. 28, 1994.
12. Center for Naval Analyses, *Annual Report 1984* (Alexandria, VA: 1984).
13. Center for Naval Analyses, *A Brief History* (Alexandria, VA: 1993).
14. Clark, Joe, Office of Science and Technology Policy, the Executive Office of the President, memorandum for the file, "GOCO and FFRDC Facilities," Washington, DC, Jan. 22, 1982.
15. Conley, Wayne, Center for Naval Analyses, Alexandria, VA, personal communication, Oct. 31, 1994.
16. Defense Acquisition Regulations Council, "Defense Acquisition Regulation Supplement," 48 CFR ch. 2, subpart 215.9.
17. Department of Defense, "Research and Development Contracting," "Miscellaneous Amendments," FAR, Part 35, Clause 35.017, final regulations 48 CFR ch. 1, "Rules and Regulations," *Federal Register* 55 (24):3883-3886, Feb. 5, 1990. (Also *Federal Acquisition Circular* 84-56.)
18. Dickson, Paul, *Think Tanks* (New York, NY: Atheneum, 1971).

19. Everett, Robert R., President, MITRE Corporation, Bedford, MA, letter to members of the board of trustees, Bedford, MA, Sept. 13, 1976.
20. Foster, John S., Director of Defense Research and Engineering, Office of the Secretary of Defense, Department of Defense, statement on the Federal Contract Research Centers before the Ad Hoc Subcommittee on Research and Development, Senate Committee on Armed Service, U.S. Senate, U.S. Congress, Washington, DC, Apr. 5, 1972.
21. Friedman, Norman W., "Diary Note," Subject: Federally Funded Research and Development Centers and Government-Owned Contractor-Operated facilities, signed note attached to Jan. 22, 1982 letter by Joe Clark, Jan. 12, 1982.
22. Greenstein, Ruth, IDA Executive Offices, Institute for Defense Analyses, "Institute for Defense Analyses Summary of Revenue FY1981 Through FY1994," fax to Christopher Lawrence, Arlington, VA, Nov. 1, 1994.
23. Harris, Scott, Associate Director, Washington Research Department, RAND Corporation, Washington, DC, "How did the Arroyo Center Arrive at RAND?" fax to Christopher Lawrence, Arlington, VA, Feb. 6, 1995.
24. Harris, Scott, Associate Director, Washington Research Department, RAND Corporation, Washington, DC, "Project Air Force, Arroyo Center, National Defense Research Institute Funding Authority," fax to Christopher Lawrence, Arlington, VA, Feb. 8 and 10, 1995.
25. Hawkins, Charles F., Dumfries, VA, "SOROns, OROns and RACoids: An Assessment, The Elusive Audit Trail of Intellectual Property of Federally Funded Operations Research Centers," unpublished paper prepared for the Office of Technology Assessment, U.S. Congress, 1993).
26. Hawkins, Charles F., Dumfries, VA, "Additional SORO/CRESS Detail," unpublished paper prepared for the Office of Technology Assessment, U.S. Congress, Washington, DC, Nov. 24, 1993.
27. Herken, Gregg, *Counsels of War* (New York, NY: Oxford University Press, 1987).
28. Hostetler, James S., attorney, Kirkland and Ellis, "Federally Funded Research and Development Centers, A Proper Role in the 1990s," a position paper prepared for the Professional Services Council trade association, July 24, 1990.
29. Institute for Defense Analyses, *Institute for Defense Analyses, Annual Report 1992* (Alexandria, VA: 1992).
30. Jones, Anita K., Director of Defense Research and Engineering, Office of the Director of Defense Research and Engineering, Office of the Secretary of Defense, Department of Defense, letter to John Warner, Senator, U.S. Congress, Washington, DC, June 23, 1994.
31. Jones, Anita K., Director of Defense Research and Engineering, Office of the Secretary of Defense, Department of Defense, series of letters discussing FFRDC FY 1995 funding ceilings to Ronald V. Dellums, Chairman, Committee on Armed Services, House of Representatives; David Obey, Chairman, Committee on Appropriations, House of Representatives; Sam Nunn, Chairman, Committee on Armed Services, Senate; and Robert C. Byrd, Chairman, Committee on Appropriations, Senate; U.S. Congress, Washington, DC, Oct. 17, 1994.
32. Lawrence, William A., retired colonel, formerly assigned to U.S. Army Concepts Analysis Agency, Bethesda, MD, personal communication, Feb. 1994.
33. Logistics Management Institute, *Logistics Management Institute, 1992 Annual Report* (Bethesda, MD: 1992).
34. Logistics Management Institute, "Logistics Management Institute," Bethesda, MD, ca. 1993.
35. Logistics Management Institute, *Logistics Management Institute, Nineteen Ninety Three Annual Report* (McLean, VA: 1993).
36. McFalls, Maureen D., Manager, Government Communication, Software Engineering Institute, letter to Brian McCue, Director of Assessment of Defense Modeling and Simulation, Office of Technology Assessment, U.S. Congress, Oct. 7, 1994.
37. McFalls, Maureen D., Manager, Government Communication, Software Engineering Institute, letter to Brian McCue, Director of Assessment of Defense Modeling and Simulation, Office of Technology Assessment, U.S. Congress, Nov. 7, 1994.
38. MIT Lincoln Laboratory, *Selected Technologies Transferred from MIT Lincoln Laboratory* (Lexington, MA: April 1992).

39. MIT Lincoln Laboratory, *Technology Transfer*, vol. I, (Lexington, MA: May 1990) and *Technology Transfer*, vol. II, (Lexington, MA: April 1992).
40. MIT Lincoln Laboratory, *Lincoln Laboratory, Massachusetts Institute of Technology* (Lexington, MA: ca. 1993).
41. MIT Lincoln Laboratory, *Spin-off Companies from MIT Lincoln Laboratory* (Lexington, MA: April 1993).
42. MIT Lincoln Laboratory, "A Description of the MIT Lincoln Laboratory," unpublished paper, Lexington, MA, Feb. 8, 1994.
43. MITRE Corporation, *MITRE, The First Twenty Years, A History of the MITRE Corporation 1958-1978*, (Bedford, MA: 1979).
44. MITRE Corporation, *The MITRE Corporation, Challenge and Response, 1958-1988* (Bedford, MA and McLean, VA: ca. 1989).
45. MITRE Corporation, "The MITRE Corporation," Bedford, MA and McLean, VA, December 1992.
46. MITRE Corporation, *The MITRE Corporation, 1992 Annual Report* (Bedford, MA and McLean, VA: January 1993).
47. MITRE Corporation, *The MITRE Corporation, 1994 Annual Report* (Bedford, MA and McLean, VA: 1995).
48. National Defense Research Institute, *Annual Report, Fiscal Year 1992* (Santa Monica, CA: RAND, 1993).
49. National Science Foundation, "Federally Funded Research and Development Centers," unpublished and incomplete draft background report, Washington, DC, 1968.
50. National Science Foundation, *Directory of Federal R&D Installations, for the Year Ending June 30, 1969* (Washington, DC: 1970).
51. National Science Foundation, "Sponsoring Institutions of Consortia Administering Federally Funded Research and Development Centers," a hand-corrected draft list from the National Science Foundation files provided by Mary V. Burke, keeper of the list, National Science Foundation, Jan. 27, 1977.
52. National Science Foundation, *Federal Funds for Science, Federal Funds for Research, Development, and Other Scientific Activities*, and *Federal Funds for Research and Development*, vols. I through XLII. This is an annual publication originally published under the title *Federal Funds for Science*. (Washington, DC: 1952 through 1994).
53. National Science Foundation, *Master Government List of Federally Funded Research and Development Centers, Fiscal Year 1995*, (Arlington, VA: National Science Foundation, 1994).
54. Newhart, Robert L., Director of Research and Studies, Office of the Deputy Undersecretary of Defense (Logistics), Office of the Secretary of Defense, Department of Defense, Washington, DC, "Memorandum to Mr. R. Newhart," Nov. 15, 1994, fax to Christopher Lawrence, Arlington, VA, Nov. 17, 1994.
55. Office of the Director of Defense Research and Engineering, Office of the Secretary of Defense, Department of Defense, *Report of the Defense Science Board Task Force on Federal Contract Research Center Utilization* (Washington, DC: February 1976).
56. Office of the Director of Defense Research and Engineering, Office of the Secretary of Defense, Department of Defense, *Management of the Federal Contract Research Centers* (Washington, DC: Department of Defense, June 1976).
57. Pay, Rex G., Assistant to the Executive Vice President, The Aerospace Corporation, letter to Brian McCue, Director of Assessment of Defense Modeling and Simulation, Office of Technology Assessment, U.S. Congress, Washington, DC, Nov. 7, 1994.
58. President's Council of Economic Advisors, *Economic Report of the President, Transmitted to the Congress, February 1994* (Washington, DC: U.S. Government Printing Office, 1994).
59. RAND Corporation, *The RAND Corporation, the First Fifteen Years* (Santa Monica, CA: 1963).
60. RAND Corporation, *RAND, 25th Anniversary Volume* (Santa Monica, CA: 1974).
61. RAND Corporation, *The RAND Corporation, 40th Year* (Santa Monica, CA: 1989).
62. RAND Corporation, *RAND, 1991-1992* (Santa Monica, CA: ca. 1992).
63. RAND Corporation, *Facts About RAND* (Santa Monica, CA: 1994).
64. RAND Corporation, *RAND 1993 Annual Report* (Santa Monica, CA: 1994).

65. Rodgers, Gary, Center for Naval Analyses, Alexandria, VA, personal communication, October 1994.
66. Rumbaugh, Lynn H. *A Look at U.S. Army Operations Research—Past* (McLean, VA: Research Analysis Corporation, technical paper RAC-TP-102, April 1964).
67. Sharfman, Peter, Director of Policy Analysis, the MITRE Corporation, McLean, VA, personal communication, Apr. 13, 1995.
68. Smith, Bruce L. R., *The RAND Corporation, Case Study of a Nonprofit Advisory Corporation* (Cambridge, MA: Harvard University Press, 1966).
69. Software Engineering Institute, “SEI Contributions” (Pittsburg, PA: February 1993).
70. Software Engineering Institute, “Software Engineering Institute” (Pittsburg, PA: August 1993).
71. Software Engineering Institute, Software Engineering Institute charter, signed by the Director of Advanced Research Projects Agency, Arlington, VA, May 11, 1994.
72. Software Engineering Institute, “Strategic Context,” chapter 1 of undated, unpublished working document, *Draft SEI Program Plans: 1994-1998*, Document No. CMU/SEI-93-SR-19 (Pittsburg, PA: undated) fax to Christopher Lawrence, Arlington, VA, Feb. 15, 1994.
73. Sowle, Donald E., Office of Federal Procurement Policy, Office of Management and Budget, the Executive Office of the President, Washington, DC, “OFPP Policy Letter 84-1 to the Heads of Executive Departments and Establishments, Subject: Federally Funded Research and Development Centers,” letter, April 4, 1984. Registered in *Federal Register*, 49(71), Apr. 11, 1984.
74. Sudbury, Roger W., Assistant to the Director, Lincoln Laboratory, Lexington, MA, personal communication, November 1994.
75. Sudbury, Roger W., Assistant to the Director, Lincoln Laboratory, Lexington, MA, letter to Brian McCue, Director of Assessment of Defense Modeling and Simulation, Office of Technology Assessment, U.S. Congress, Washington, DC, Nov. 8, 1994.
76. Sudbury, Roger W., Assistant to the Director, Lincoln Laboratory, Lexington, MA, letter to Brian McCue, Director of Assessment of Defense Modeling and Simulation, Office of Technology Assessment, U.S. Congress, Washington, DC, Jan. 26, 1995.
77. Thompson, Charles A. H., *The Research Analysis Corporation, A History of a Federal Contract Research Center* (McLean, VA: Research Analysis Corporation, 1975).
78. Tidman, Keith R., *The Operations Evaluation Group* (Annapolis, MD: The Naval Institute Press, 1984).
79. U.S. Army Concepts Analysis Agency, *Annual Historical Summary RCS CSHIS-6 (R2). US Army Strategy and Tactic Analysis Group, 1 July 1972 to 15 January 1973* (Bethesda, MD).
80. U.S. Army Concepts Analysis Agency, *Annual Historical Summary (RCS CSHIS-6 (R-2)) US Army Concepts Analysis Agency, 1 July 1973 to 30 June 1974* (Bethesda, MD).
81. U.S. Army Special Operations Research Office, “Special Operations Research Office,” unpublished background paper located in the U.S. Army’s Office of the Chief of Military History Library, Arlington, VA, Mar. 1, 1962.
82. U.S. Congress, General Accounting Office, *Competition: Issues in Establishing and Using Federally Funded Research and Development Centers* (Washington, DC: 1988).
83. U.S. Congress, Office of Technology Assessment, unpublished database, FFRDC.R2D, created primarily from National Science Foundation reports, provided by Christopher A. Lawrence, Arlington, VA, 1994.
84. U.S. Congress, Office of Technology Assessment, *Virtual Reality and Technologies for Combat Simulation—Background Paper*, OTA-BP-ISS-136 (Washington, DC: U.S. Government Printing Office, September 1994).
85. Walsh, John, “Pentagon Papers: Repercussions for RAND and Other Think Tanks?” *Science*, 173:313-314, 1971.
86. Whitley, Howard, Chief of Tactical Analysis Division, U.S. Army Concepts Analysis Agency, and a member of the Board of Directors of the Military Operations Research Society, Bethesda, MD, personal communication, February 1994.
87. Yahraes, Herbert, “The Mysterious Mission of ORO,” *The Saturday Evening Post*, 224(34):36, 37, 75, 77, 80, 82, Feb. 23, 1952.