References

- 1. Malone, T.B. (1985). Human factors in early system development. *Proceedings of the Human Factors Society 29th Annual Meeting* (pp. 1156-1160). Santa Monica, CA: Human Factors Society.
- 2. Meister, D. (1987). A cognitive theory of design and requirements for a behavioral design aid. In W.B. Rouse and K.R. Boff (Eds.), System design: *Behavioral perspectives on designers, tools, and organizations.* New York: North-Holland.
- 3. Lund, R.T., Bishop, A.B., Newman, A.E., & Salzman, H. (1993). *Designed to work: Production systems and people*. New Jersey: Prentice Hall.
- Tsao, H.S.J., Hall, R.W., Shladover, SE., Plocher, T.A., & Levitan, L. (1993). Human factors design of automated highway systems: First generation scenarios. Technical Report No. FHWA-RD-93-123. Washington, DC: Federal Highway Administration.
- 5. National Automated Highway System Consortium (1996). Automated highway system concept summaries. Troy, MI: Author.
- Levitan, L., Llaneras, R.E., DeMers, R.E., & Plocher, T.A. (1994). Human factors design of automated highway systems: Comparable systems analysis. Revised Working Paper (Contract No. DTFH61-92-C-00100; unpublished). Washington, DC: Federal Highway Administration.
- 7. National Automated Highway System Consortium (1996). Comparison of automated highway system concepts. Workshop No. 3 (Minneapolis, MN). Troy, MI: Author.
- 8. Gordon, C.C., Churchill, T., Clauser, C.E., Bradtmiller, B., McConville, J.T., Tebbetts, I., & Walker, R.A. (1988). *Anthropometric survey of U.S. army personnel: Summary statistics and interim report.* Natick, MA: United States Army Natick Research, Development & Engineering Center.
- 9. Tilley, A.R. (1993). *The measure of man and woman*. New York: The Whitney Library of Design.
- 10. Woodson, W.E., Tillman, B., & Tillman, P. (1992). *Human factors design handbook* (2nd ed.). New York: McGraw-Hill, Inc.
- 11. Glorig, A., & Roberts, J. (1965). *Hearing levels of adults by age and sex. United States* -1960-2962. National Center for Health Statistics series 11, number 11. Hyattsville, MD: U.S. Department of Health, Education, and Welfare.

- 12. Boff, K.R., & Lincoln, J.E. (1988). *Engineering data compendium. Human perception and performance*. Wright-Patterson Air Force Base, Ohio: Armstrong Aerospace Medical Research Laboratory.
- 13. Department of Defense (1989). *Military standard 1472. Human engineering design criteria for military systems, equipment, and facilities.* Washington, DC: US. Government Printing Office.
- 14. Department of Defense (1992). *Military handbook 759. Human factors engineering design for Army materiel.* Washington, DC: U.S. Government Printing Office.
- 15. Dreyfuss, H. (1959). The measure of man. New York: Whitney Library of Design.
- 16. Society of Automotive Engineers, Inc. (1993). Handbook volume 4: On-highway vehicles and off-highway machinery. Warrendale, PA: Author.
- 17. Churchill, E., Churchill, T., McConville, J.T., & White, R.M. (1977). Anthropometry of women of the U.S. Army-1977. Report No. 2-the basic univariate statistics. Technical report Natick/TR-77/024. Natick, MA: United States Army Natick Research and Development Command.
- Stoudt, H.W. (1978). Arm-leg reach and workspace layout. In Churchill, W., Laubach, L.L., McConville, J.T., & Tebbetts, I. (Eds.), *Anthropometric source book* (Vol. I: Anthropometry for designers). NASA reference publication 1024. Houston: National Aeronautics and Space Administration, Lyndon B. Johnson Space Center.
- 19. Pierce, B.F., Woodson, W.E., & Selby, P.H. (1973). *Human force considerations in the failure of power assisted devices*. Report DOT HS 230 2-396. Washington, DC: U.S. Department of Transportation.
- Lerner, N. (1993). Brake perception-reaction times of older and younger drivers. *Proceedings of the Human Factors and Ergonomics Society 37th Annual Meeting* (pp. 206-210). Santa Monica, CA: Human Factors and Ergonomics Society.
- 21. Lings, S. (1991). Assessing driving capability: a method for individual testing. *Applied Ergonomics*, 22(2), 75-84.
- 22. Society of Automotive Engineers, Inc. (1994). *Direction-of-movement stereotypes for automotive hand controls*. Surface Vehicle Recommended Practice No. J1139. Warrendale, PA: Author.
- 23. Wickens, C.D. (1987). Information processing, decision-making, and cognition. In G. Salvendy (Ed.), *Handbook of human factors. New* York: John Wiley & Sons.

- 24. Department of the Air Force (1980). AFSC design handbook 1-3. Human factors engineering (3rd ed., rev. one). Wright-Patterson Air Force Base, OH: Author.
- 25. Van Cott, HP., & Kinkade, R.G. (Eds.). (1972). Human engineering guide to equipment design. Washington, DC: U.S. Government Printing Office.
- 26. Miller, K.H. (Ed.). (1991). NASA-STD-3000. Space station Freedom man-systems integration standards (Vol. IV, Rev. A). Houston: National Aeronautics and Space Administration, Lyndon B. Johnson Space Center.
- 27. Kroemer, K.H.E., Kroemer, H.B., & Kroemer-Elbert, K.E. (1994). *Ergonomics. How* to design for ease and efficiency. Englewood Cliffs, NJ: Prentice Hall.
- 28. Eastman Kodak Company (1983). *Ergonomic design for people at work* (Vol. I). New York: Van Nostrand Reinhold.
- 29. Woodson, W.E., & Conover, D.W. (1964). *Human engineering guide for equipment designers* (2nd ed.). Los Angeles: University of California Press.
- 30. Diffrient, N., Tilley, A.R., & Harman, D. (1981). *Humanscale* 4/5/6. Cambridge, MA: The MIT Press.
- 31. Mayhew, D. J. (1992). Principles and guidelines in software user interface design. Englewood Cliffs, NJ: Prentice Hall.
- 32. Rudisill, M., Gillan, D., Lewis, R., Holden, K., Adam, S., & McKay, T. (1988). *Space station information system human-computer interface guide* (Version 2.0). Houston: National Aeronautics and Space Administration, Lyndon B. Johnson Space Center.
- 33. Simpson, C.A., McCauley, M.E., Roland, E.F., Ruth, J.C., & Williges, B.H. (1987). Speech controls and displays. In G. Salvendy (Ed.), *Handbook of human factors*. New York: John Wiley & Sons.
- 34. Halstead-Nussloch, R. (1989). The design of phone-based interfaces for consumers. *Proceedings of CHI* '89 (pp. 347-352). Reading, MA: Addision-Wesley Publishing Company.
- 35. Jones, D., Hapeshi, K., & Frankish, C. (1989). Design guidelines for speech recognition interfaces. *Applied Ergonomics*, 20(1), 47-52.
- 36. Wattenberger, B. L., Garberg, R. B., Halpern, E. S., & Lively, B. L. (1993). Serving customers with automatic speech recognition-human-factors issues. *AT&T Technical Journal*, May/June, 28-41.
- 37. R. Whillock, personal communication, May 1997.

- 38. Weintraub, D.J., & Ensing, M. (Eds.). (1992). *Human factors issues in head-tip display design: The book of HUD*. Report No. SOAR 92-2. Wright-Patterson Air Force Base, OH: Department of Defense.
- 39. American National Standards Institute (1988). American national standard for *human factors engineering of visual display terminal workstations*. ANSI/HFS standard no. 100-1988. Santa Monica, CA: The Human Factors Society.
- 40. Beatty, P. (1989). Automotive and marine applications. In D. Bosman (Ed.), *Display engineering*. New York: North-Holland.
- 41. W. Reinhart, personal communication, October 1996.
- 42. Smith, S.L., & Mosier, J.N. (1986). *Guidelines for designing user interface software*. Bedford, MA: MITRE Corporation.
- 43. Society of Automotive Engineers, Inc. (Draft 2). *Human integration for color criteria and standards*. Aerospace recommended practice (ARE) 4032. Warrendale, PA: Author.
- 44. Federal Aviation Administration (1987). *Transport category airplane electronic display systems*. Advisory circular FAA AC 25-11. Washington, DC: U.S. Department of Transportation.
- 45. Decker, J.J., Dye, C.J., Lloyd, C.J., & Snyder, H.L., (1991). *The effects of display failures and symbol rotation on visual search and recognition performance*. Technical memorandum 4-91. Aberdeen Proving Ground, MD: U.S. Army Human Engineering Laboratory.
- 46. Gilmore, W.E., Gertman, D.I., & Blackman, H.S. (1989). *The user-computer interface in process control: A human factors engineering handbook.* New York: Academic Press.
- 47. Society of Automotive Engineers, Inc. (1989). Design objectives for liquid crystal displays for part 25 (transport) aircraft. Aerospace recommended practice (ARE) 4256 (Draft 2). Warrendale, PA: Author.
- 48. U.S. Nuclear Regulatory Commission (1981). Guidelines for control room design reviews. NUREG-0700. Washington, DC: Author.
- 49. Miller, K.H. (Ed.) (1989). NASA-STD-3000. Space station Freedom man-systems integration standards (Vol. I, Rev. A). Houston: National Aeronautics and Space Administration, Lyndon B. Johnson Space Center.

- 50. Baker, C.A., & Nicholson, R.M. (1967). Raster scan parameters and target identification. *Proceedings of the 19th Annual National Aerospace Electronics Conference* (pp. 285-290). Dayton, OH: Institute of Electrical and Electronics Engineers.
- 51. Society of Automotive Engineers, Inc. (1982). *Minimum performance standardfor airborne multipurpose electronic displays*. Aerospace standard (AS) 8034. Warrendale, PA: Author.
- 52. Burnette, J.T. (1976). Optimal element size-shape-spacing combinations for a 5 x 7 dot-matrix visual display under high and low ambient illumination. Unpublished Master's thesis. Cited in Decker, J.J., Pigion, R.D., & Snyder, H.L. (1987). A literature review and experimental plan for research on the display of information on matrixaddressable displays. Technical memorandum 4-87. Aberdeen Proving Ground, MD: U.S. Army Human Engineering Laboratory.
- 53. Lloyd, C.J., Decker, J.J., & Snyder, H.L. (1991). The effects of line and cell failures on reading and search performance using matrix-addressable displays. Technical memorandum 7-91. Aberdeen Proving Ground, MD: U.S. Army Human Engineering Laboratory.
- 54. Dudfield, H.J. (1991). Colour head-up displays: help or hindrance? *Proceedings of the Human Factors Society 35th Annual Meeting* (pp. 146-150). Santa Monica, CA: Human Factors Society.
- 55. Wood, R.B. (1992). Holographic head-up displays. In M.A. Karim (Ed.), *Electro-optical displays*. New York: Marcel Dekker.
- Inuzuka, Y., Osumi, Y., & Shinkai, H. (1991). Visibility of head-up displays (HUD) for automobiles. *Proceedings of the Human Factors Society 35th Annual Meeting* (pp. 1574-1578). Santa Monica, CA: Human Factors Society.
- 57. Newman, R.L. (1987). Improvement of head-up display standards. Volume I: Head-up display design guide (appendix). Report AFWAL-TR-87-3055 (Vol. I). Wright-Patterson Air Force Base, OH: Air Force Systems Command.
- 58. Sorkin, R.D. (1987). Design of auditory and tactile displays. In G. Salvendy (Ed.), *Handbook of human factors*. New York: John Wiley & Sons.
- 59. Simpson, C.A., McCauley, M.E., Roland, E.F., Ruth, J.C., & Williges, B.H. (1985). System design for speech recognition and generation. *Human Factors*, 27(2), 115-141.
- 60. Devauchelle, P. (1991). User-friendly recommendations for voice services designers. Article in French. Cited in Schumacher, R. M., Jr. (1992). Phone-based interfaces: research and guidelines. *Proceedings of the Human Factors Society 36th Annual Meeting* (pp. 1051-1055). Santa Monica, CA: Human Factors Society.

- 61. Schumacher, R. M., Jr. (1992). Phone-based interfaces: research and guidelines *Proceedings of the Human Factors Society 36th Annual Meeting*, (pp. 1051-1055). Santa Monica, CA: Human Factors Society.
- 62. Sanders, M. S., & McCormick, E. J. (1987). *Human factors in engineering and design*. New York: McGraw-Hill.
- 63. American National Standards Institute (1992). Project 0976-D: Standard user interface to voice messaging. Working document. Cited in Schumacher, R. M., Jr. (1992). Phone-based interfaces: research and guidelines. *Proceedings of the Human Factors Society 36th Annual Meeting*, (pp. 1051-1055). Santa Monica, CA: Human Factors Society.
- 64. Gallaway, G. R. (1981). Response times to user activities in interactive man/ machine computer systems. *Proceedings of the Human Factors Society 25th Annual Meeting* (pp. 754-758). Santa Monica, CA: Human Factors Society.
- 65. Demers, R.E. (1994). Human factors for the automated highway system: second generation function definition. Revised Working Paper (Contract No. DTFH61-92-C-00100; unpublished). Washington, DC: Federal Highway Administration.
- 66. Bloomfield, J.R., Buck, J.R., Carroll, S.A., Booth, M.W., Romano, R.A., McGehee, D.V., & North, R.A. (1995). *Human factors aspects of the transfer of control from the Automated Highway System to the driver*. Technical Report No. FHWA-RD-94-114. Washington, DC: Federal Highway Administration.
- 67. Bloomfield, J.R., Buck, J.R., Christensen, J.M., & Yenamandra, A. (1995). *Human* factors aspects of the transfer of control from the driver to the Automated Highway System. Technical Report No. FHWA-RD-94-173. Washington, DC: Federal Highway Administration.
- 68. Bloomfield, J.R., Christensen, J.M., Peterson, A.D., Kjaer, J.M., & Gault, A. (1995). Human factors aspects of transferring control from the driver to the automated highway system with varying degrees of automation. Technical Report No. FHWA-RD-95-108. Washington, DC: Federal Highway Administration.
- 69. R. Frazzini, personal communication, July 1996.
- 70. Bloomfield, J.R., Carroll, S.A., Papelis, Y.E., & Bartelme, M.J. (1996). *The driver's response to an automated highway system with reduced capability*. Technical Report No. FHWA-RD-96-067. Washington, DC: Federal Highway Administration.
- 71. R.E. DeMers, personal communication, June 1994.

72. Bloomfield, J.R., Levitan, L., Grant, A.R., Brown, T.L., & Hankey, J.M. (in press). *Driving performance after an extended period of travel in an automated highway system.* Washington, DC: Federal Highway Administration. ۰.