RECOMMENDED READINGS

- Baron, W., et al., "Structures Technology for Future Aerospace Systems," in A. K. Noor, ed., *Progress in Astronautics and Aeronautics*, New York: Aerospace Industries Association of America, 2000.
- Beardmore, P., et al., "Fiber-Reinforced Composites: Engineered Structural Materials," *Science*, May 1980.
- Belbin, G. R., and P. A. Staniland, "Advanced Thermoplastics and Their Composites," *Philosophical Transactions of the Royal Society of London*, July 1987.
- Blake, Scott, "Laser Guidance for Hand-Laid Composites: Past, Present and Future," presented at Composites '97 Manufacturing and Tooling, Society of Manufacturing Engineers Conference, Anaheim, CA, 1997.
- Caldwell, M. H., "Material Selection for the New-Technology Commercial Transport—The Designer's Dilemma," presented at the AIAA Aircraft Design, Systems and Technology Meeting, Fort Worth, TX, 1983.
- Composite Materials Handbook, MIL-HDBK-17-1E, working draft, December 1999, available at http://mil-17.udel.edu/.
- Connolly, J. J., and J. C. Foster, "Cost Driven Design Concerns," presented at the Composites in Manufacturing, Society of Manufacturing Engineers Conference, Anaheim, CA, 1989.

- CytecFiberite material information, available at http://www.cytecfiberite.com.
- Gutowski, T. G., ed., Advanced Composites Manufacturing, New York: John Wiley & Sons, 1997.
- Hansen, Niel, "Carbon Fibers," in T. J. Reinhart et al., eds., Engineering Materials Handbook, Vol. 1, Composites, Metals Park, OH: ASM International, 1987.
- Hartness, T. J., "The Characterization of Thermoplastic Polyimide Composites," presented at the 28th International SAMPE Technical Conference, November 1996.
- Hazen, J. R., et al., eds., High Performance Composites, Source Book 1999, Wheat Ridge, CO: Ray Publishing, November 1998.
- Hazen, J. R., et al., eds., High Performance Composites, Source Book 2000, Wheat Ridge, CO: Ray Publishing, November 1999.
- Hess, R. W., J. R. Nelson, P. S. Killingsworth, and S. A. Resetar, Estimating the Cost of Advanced Technology, Santa Monica: RAND, P-7732, 1992.
- Hexcel material information, available at http://www.hexel.com.
- Hough, Paul G., Impact of Advanced Manufacturing Technology on Parametric Estimating, Santa Monica: RAND, P-7543, 1989.
- Jang, Bor Z., Advanced Polymer Composites: Principles and Applications, Metals Park, OH: ASM International, 1994.
- Jones, Robert M., Mechanics of Composite Materials, New York: McGraw-Hill, 1975.
- Kalpakjian, S., Manufacturing Processes for Engineering Materials, Reading, MA: Addison-Wesley Publishing Company, July 1985.
- Kelly, A., "Composites for the 1990s: Advanced Thermoplastics and Their Composites," Philosophical Transactions of the Royal Society of London, July 1987.
- Kerr, A. B., "Good Tooling Makes Good Parts—Pay Me Now or Pay Me Later," EM86-115, presented at the Composites in

- Manufacturing, Society of Manufacturing Engineers Conference, Los Angeles, 1986.
- Luce, S. E., *Introduction to Composite Tooling*, EMR91-15, Dearborn, MI: Society of Manufacturing Engineers, 1991.
- Lyle, Richard C., "Composite Tooling—Invar Evolution: The Process Today, the Process Tomorrow," presented at the Tooling for Composites, Society of Manufacturing Engineers Conference, Pasadena, CA, 1993.
- Popov, E. P., *Mechanics of Materials*, 2nd ed., Englewood Cliffs, NJ: Prentice-Hall, 1976.
- Potter, K., *An Introduction to Composite Products Design and Manufacture*, London: Chapman and Hall, 1984.
- Proctor, P., "Stitched Composite Wings Eyed for Future Transports," *Aviation Week & Space Technology*, August 24, 1998.
- Raymer, Daniel P., *Next-Generation Attack Fighter: Design Tradeoffs and Notional System Concepts*, Santa Monica: RAND, MR-595-AF, 1996.
- Reinhart, T. J., et al., eds., *Engineering Materials Handbook*, Vol. 1, Composites, Metals Park, OH: ASM International, 1987.
- Taggart, D. F., and D. Sidwell, *Integrated Airframe Technology for Affordability*, Lockheed Martin Skunk Works, Wright-Patterson Air Force Base, OH: Air Force Research Laboratory, August 1999.
- Zaloom, Victor, and Clint Miller, "A Review of Cost Estimating for Advanced Composite Materials Applications," *Engineering and Production Economics*, Amsterdam, Netherlands: Elsevier Publishing Company, 1982.