“A Brief History of the Internet,” written by Barry Leiner, Vinton Cerf, David Clark, Robert Kahn,

Leonard Kleinrock, Daniel Lynch, Jon Postel, Larry Roberts, and Stephen Wolff, can be accessed

at http://www.internetsociety.org/internet/what-internet/historyinternet/

brief-history-internet.

The widely used text of Kurose and Ross [201] is an excellent introduction to basic networking

concepts. The book by Bertsekas and Gallagher [50] gives insights into the performance evaluation of

computer networks. The classic texts on queuing theory of Kleinrock [195] are required reading for

those interested in network analysis.

Moore’s law for traffic is discussed in [251]. The class-based queuing algorithm was introduced by

Floyd and Van Jacobson in [125]. The Black Widow topology for system interconnects is analyzed in

[321]. An extensive treatment of storage area networks can be found in [347].

Erd s-R ny random graphs are analyzed in [53,116]. Scale-free networks and their applications are

described by Barab si and Albert by [10 – 12,39]. Small-world networks were introduced byWatts and

Strogatz in [370]. Epidemic algorithms and their applications are presented in [149,180,181]. Additional

references for the topics covered in this chapter are [204,232,248,257].