

**TABLE 14-1** TCP/IP Diagnostic Commands

Command	What It Displays
arp	Address resolution information used by the Address Resolution Protocol (ARP)
hostname	Your computer's host name
ipconfig	Current TCP/IP settings
nbtstat	The status of NetBIOS over TCP/IP connections
netstat	Statistics for TCP/IP
nslookup	DNS information
ping	Verification that a specified computer can be reached
route	The PC's routing tables
tracert	The route from your computer to a specified host

## Building a Library

Scotty delivered one of his best lines in the original *Star Trek* series when he refused to take shore leave so that he could get caught up on his technical journals. "Don't you ever relax?" asked Kirk. "I am relaxing!" Scotty replied.

To be a good network administrator, you need to read computer books — lots of them. And you need to enjoy doing it. If you're the type who takes computer books with you to the beach, you'll make a great network administrator.

Read books on a variety of topics. I don't recommend specific titles, but I do recommend that you get a good, comprehensive book on each of these topics:

- » Network security and hacking
- » Wireless networking
- » Network cabling and hardware
- » Ethernet
- » Windows Server 2008, 2012, and 2016
- » Windows 7, 8, 8.1, and 10
- » Linux
- » TCP/IP