CE1: Hands-On Computer Engineering

Research Problems 8

1. When was the radio invented?

2. What was the first radio station or regular broadcast?

3. How does come shortwave radio works over such a large distance? Why are people that use them called “amateur radio operators” when they are actually experts a lot of the time?

4. What frequencies does FM and AM take? How about this new digital radio that is in some cars and MP3 players?

5. List as many wireless networks that you can think of. Give some of the frequency ranges used by them.

6. Verizon and AT&T use two different types of cellular networks. What are they? What are some pros and cons of each?