

# 73 Dipole and Long-wire Antennas; Edward M. Noll; 9780672240065; 1969; Editors and Engineers, 1969

Dipole and Long-Wire Antennas. by Edward M. Noll, W3FQJ. <!--EÂ There are 73 individual antennas included in an order that begins with simple construction and progresses in a sequential manner to more complex arrangements. However, if you are interested in only one particular type, you can locate that type immediately, and find that each type is completely described.Â Half-Wavelength Dipole. As a starting point for the antennas discussed in this book, the half-wavelength dipole is considered to be the shortest long-wire antenna. Other long-wire types stem from this fundamental antenna dimension. In a dipole arrangement the transmission line is attached at the center (Fig. 73 Dipole and Long-Wire Antennas. by Edward M. Noll, W3FQJ. <!--e,~~ Indianapolis.Â Dipole Antennas 1- Half-Wavelength Dipole As a starting point for the antennas discussed in this book, the half-wavelength dipole is considered to be the shortest long-wire antenna. Other long-wire types stem from this fundamental antenna dimension. In a dipole arrangement the transmission line is attached at the center (Fig. In radio and telecommunications a dipole antenna or doublet is the simplest and most widely used class of antenna. The dipole is any one of a class of antennas producing a radiation pattern approximating that of an elementary electric dipole with a radiating structure supporting a line current so energized that the current has only one node at each end. A dipole antenna commonly consists of two identical conductive elements such as metal wires or rods. The driving current from the transmitter is