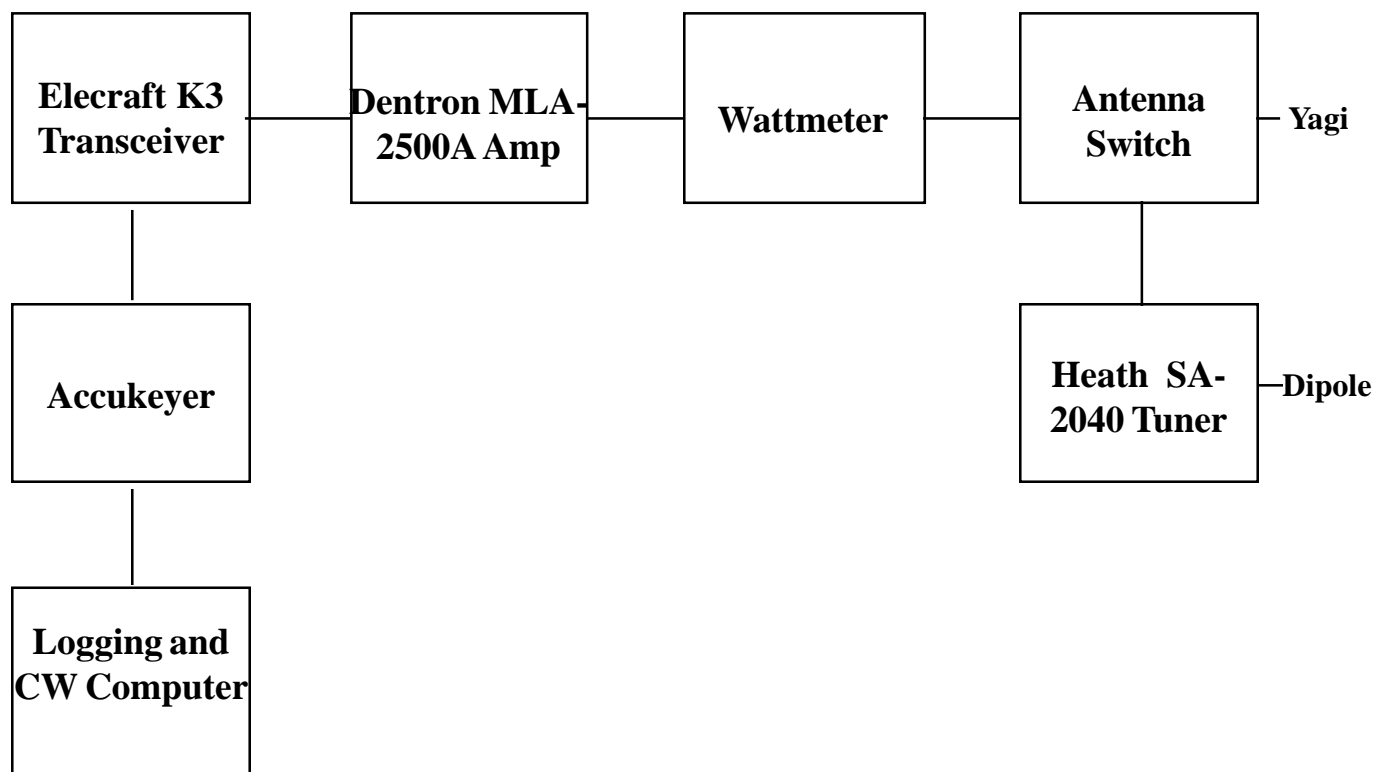


W1SJ STATION BLOCK DIAGRAM



W1SJ ANTENNA INFORMATION

ANTENNA 1: YAGI: Cushcraft A-4. Three active elements on an 18' boom, horizontal polarization.
Fed with 75 feet of RG-8 coax.
Height above ground = 52 feet (0.8 wavelengths on 20m).
Typical gain to horizon is 7.0 db over a dipole.

ANTENNA 2: DIPOLE:
Dipole of 120' length (0.44/0.90 wavelengths long on 80/40M .
Fed with 450 ohm open wire line.
Average height above ground = 70 feet (0.5/1.0 wavelengths on 80/40M)
Dipole orientation NW-SE
Typical gain 40M: 1.5 db over dipole on 40M to West, North, East and South
Typical gain 80M: 0 db over dipole on 80M, favoring SW and NE.