NFARL Antenna Special Interest Group (SIG)
Self-Study Reading Assignments

Month 6 – Wire Antenna Construction and Installation

- **Week 1** – for net discussion on 06/03/2010
  
  **Mechanical construction: antennas, feedlines, connectors, weatherproofing**
  
  - “Construction Details and Practical Considerations” ARRL Antenna Book, pp. 4-31 thru 4-35
  - “Antenna Materials and Accessories” ARRL Antenna Book, pp. 20-1 thru 20-6
  - “Other Materials for Antenna Construction” pp. 20-12 thru 20-13
  - “Line Construction & Operating Characteristics” pp. 24-15 thru 24-27
  - Weatherproofing Coax Connections [http://www.eham.net/articles/17553](http://www.eham.net/articles/17553)

- **Week 2** – for net discussion on 06/10/2010
  
  **Erection: launchers, supports, ropes, pulleys**
  
  - Antenna Supports ARRL Antenna Book, pp. 22-1 thru 22-8
  - Antenna Ropes and Pulleys [http://www.thewireman.com/antacc.html#3](http://www.thewireman.com/antacc.html#3) [http://tinyurl.com/2eja524](http://tinyurl.com/2eja524)

- **Week 3** – for net discussion on 06/17/2010
  
  **Grounding: principles and requirements**
  
  - “A Down to Earth View of Station Grounds” [http://p1k.arrl.org/pubs_archive/107438](http://p1k.arrl.org/pubs_archive/107438) ***

- **Week 4** – for net discussion on 06/24/2010
  
  **Shack entry and lightning protection**
  
  - “Lightening Protection for the Amateur Station, Parts 1 – 3” [http://p1k.arrl.org/pubs_archive/102880](http://p1k.arrl.org/pubs_archive/102880) ***
  - [http://p1k.arrl.org/pubs_archive/102965](http://p1k.arrl.org/pubs_archive/102965) ***
  - [http://p1k.arrl.org/pubs_archive/103068](http://p1k.arrl.org/pubs_archive/103068) ***
  - Wireman [http://www.thewireman.com/ground.html](http://www.thewireman.com/ground.html)

- **Face-to-Face Meeting** – Saturday, July 10, 9:00 a.m. to Noon
  
  **Hands-on: construction, erection, installation and measurement of an antenna for each participant**

*** These links may have to be copied into a browser to access them. ARRL membership is required.