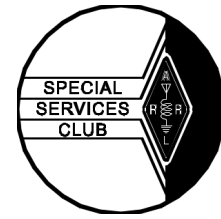




SkyWave

Shy-WY ARC Newsletter



September 2010
Volume 1, Issue 9



+ *Hints and Kinks*: Loop and Hook Skyhook (from ARRL Letter via email)

Randy Quinton, WQ7Q, of Sammamish, Washington, sent us this idea for a quick emergency antenna. Contact Randy via [e-mail](#) for more information

An emergency flexible antenna can greatly extend the performance of a handheld transceiver. The best attachment point to hang the antenna always seems just out of reach. This simple wire hook made from a coat hanger makes it easy to hang and retrieve the antenna.

Using about 18 inches of wire, bend a hook to match the attachment point. Below the hook, form a loop to which the antenna line is tied. Below the loop, bend a downward pointing V-shaped pin with a little elbow on the side to prevent the pin from slipping completely inside the lifting tube (see Figure 1). The hook is lifted by a tube or tube section attached to a pole. Tension on the antenna wire keeps the pin in the tube until the antenna has been placed. The antenna is retrieved by reversing the process (see Figure 2).



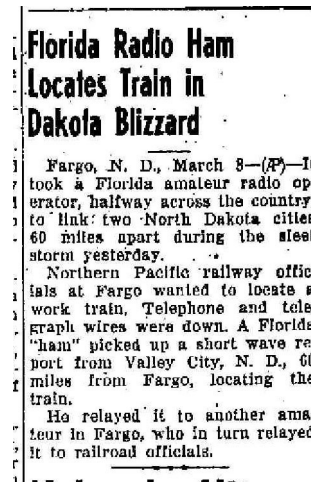
Figure 1: A wire coat hanger bent into this hook and loop shape makes raising that EmComm or Field Day antenna much easier.



Quinton said he keeps a loop and a short section of PVC pipe with tape around in his emergency kit, using it to turn a broom or branch into a lifting pole. As always, don't hang an antenna on electrical wires or anyplace in the vicinity of power lines.

Figure 2: Keeping tension on the support rope holds the hook in place.

I found this while looking for something else: Thursday March 9, 1950; The Greeley Daily Tribune.



Things never change much with amateur radio! We are always there to help!



SHY-WY AMATEUR RADIO CLUB MINUTES

Minutes of the meeting of August 10, 2010 haven't arrived!
They will be sent separately.



Local news:

Skywarn: The weekly Monday night severe weather training net is on the 146.775 repeater at 7:00PM.

VE Test Sessions:



Wilson Sellner continues to conduct VE test sessions at the WYDOT cafeteria bi-monthly on the first Saturday beginning at 0900 (9:00AM). The next test session will be October 2, 2010. Contact Wilson for more information. Bring any current license, any CSCE's and \$15. In addition you will need picture ID. To be prepared you should also have a calculator with the memory erased. You may not bring any written notes or calculations into the exam session. Wilson provides plenty of #2 pencils.

The Capital City VE Team will be conducting VE Testing on the first Saturday of every other month. (Schedule follows)

Contact Greg, [N7GT](#), for more information.

Capital City VE Team 2010 Test Session Schedule

Saturday, October 2, 2010
Saturday, December 4, 2010

Laramie County Community College
Center for Conferences and Institutes (CCI Building)
Room 121 (CCI-121)
1400 East College Dr.
Cheyenne, WY 82007

Test sessions begin promptly at 9:00 a.m.

Contact Greg, [N7GT](#), for more information or with any questions.

Recent Events

ARES®/RACES:



Shy-WY ARC and Laramie County ARES®/RACES provided communication support for the 18th annual Sunrise Lions Ride for Sight on Sunday Aug. 8 and the Susan G. Komen Race for the Cure® on Saturday Aug. 14. Thanks to all who participated. Both events were completed successfully and without major incident.

Shy-WY ARC:



Upcoming events:

Shy-WY ARC Meeting - The next meeting will held at the Laramie County Library in the Willow Room, Tuesday September 14, 2010, at 7:00 PM.

High Plains Roundup - September 10-12, Curt Goudy State Park. See flyer at end of the news letter. Remember that if you plan on overnight camping, all the campsites in the Camp Russell area require a reservation until Sept. 15. Day use vehicles are allowed to park in the immediate area around the shelter but camping is not allowed in the immediate vicinity and must be in an established campsite.. See page 8

BARCfest - Boulder Amateur Radio Club - **Sunday, September 26**, 8:00 a.m. - noon. Boulder County Fairgrounds, 9595 Nelson Road, Exhibit Building. Longmont, CO.



The Quiz

<http://www.arrl.org/news/amateur-radio-quiz-amateur-archaeology>

Times change and so does terminology. Some of the old terms were quite colorful and convey a sense of hands-on adventure in those early days of experimentation. You may not consider today's language as evocative, but just wait a few decades to see what future generations think!

- 1) Which type of component was referred to as a "grid leak"?
 - a. Capacitor
 - b. Resistor
 - c. Inductor
 - d. This referred to a gassy vacuum tube
- 2) If you used a "basket weave" style in construction, what did you construct?
 - a. Transmission line
 - b. Coil
 - c. Headphone covers
 - d. Detector

- 3) What function was performed by a “slop jar”?
- Rectification
 - Modulation
 - Storing charge from a grid-leak
 - Filtration
4. What was the earliest type of condenser?
- Tesla coil
 - Rheostat
 - Leyden jar
 - Voltaic pile
- 5) What part of early stations was often constructed as a “cage”?
- Transmitter shield
 - Antenna
 - Entire shack
 - Power supply
- 6) A “getter” performed what function?
- Tuning tool
 - Gas adsorption
 - Filament rejuvenation
 - Connections to open-wire transmission line
- 7) What construction technique was (and still is!) called a “Western Union”?
- Rack-and-panel enclosures
 - Breadboard and Fahnestock clips
 - Point-to-point
 - Wire splicing
- 8) What does “TRF” stand for?
- Tuned Receive Feedback
 - Tuner-Rig-Feeder
 - Tuned Radio Frequency
 - Transmit-Receive Feeder
- 9) What type of equipment was referred to as a “rush box”?
- Receiver
 - Transmitter
 - Amplifier
 - Modulator
- 10) Which of these is *not* a type of oscillator circuit?
- Hartley
 - Colpitts
 - Lorentz
 - Meissner

Bonus -- What did a “tickler coil” tickle?

Answers to quiz on page 7.



Local Nets on 2 Meters

The daily weather net is at 0645 (local) on the 146.775 repeater.

The Shy-WY ARC Sunday morning net follows the weather net at 0700.

The Shy-WY ARC Tuesday evening net meets at 1900 on 146.775 repeater. This net meets weekly except the 2nd Tuesday (club meeting night).

The Nation Weather Service severe weather training net is on every Monday at 1900 (local) on the 146.775 repeater.



HF nets:

Cowboy Net: M-F @ 1845 on 3.9235

Pony Express Net: Sunday @ 0800 on 3.9235

WY ARES® Net: Sunday @ 0830 on 3.9235

Jackalope Net: M-Sat @ 1215 on 7.260

QCWA Net: Sat. @ 0800 on 3.9235

Mtn State Slow CW Net: @ 1945; Summer 7.115 Winter 3.715

Wyoming Swap Shop: Sunday @ 0730 on 3.9235 except in the summer when Paul goes fishing.



Additional information

Local and area links:

[Shy-WY Amateur Radio Club](#)

[Casper Amateur Radio Club](#)

[University Amateur Radio Club N7UW](#)
[Northeast Wyoming Amateur Radio Association](#)
[Northern Colorado Amateur Radio Club](#)
[Aurora Repeater Association](#)
[Colorado ORP Club](#)
[EDGE OF SPACE SCIENCES](#)
[Everything for the Morse enthusiast](#)
[ARRL home page](#)
[Sweetwater Amateur Radio Club](#)
[Carbon County Amateur Radio Club](#)
[Jackson Hole Area Amateur Radio Club](#)

Answers to the quiz:

- 1) b -- Grid current through the resistor developed a self-biasing voltage.
- 2) b -- The basket-weave style minimized inter-turn capacitance.
- 3) a -- Early rectifiers used a somewhat-caustic electrolytic solution (the “slop”) in glass jars.
- 4) c -- A Leyden jar is a simple capacitor that stores a sizeable amount of charge at high voltage!
- 5) b -- A cage antenna consists of several parallel wires in a circular arrangement.
- 6) b -- The getter was an unpowered vacuum tube element that captured unwanted gas molecules.
- 7) d -- The telegraph system’s standard splicing technique.
- 8) c -- The TRF receiver required each amplifying stage to be tuned separately.
- 9) a -- The rushing sound from a regenerative receiver on the edge of oscillation gave it the name.
- 10) c -- All the others are different oscillator configurations.

Bonus -- In a regenerative receiver stage, a carefully adjusted tickler coil coupled some of the output signal back to the input, “tickling” it into near oscillation.

High Plains Roundup

Sept. 10-11, 2010 Curt Gowdy State Park

(Located off of State Route 210 between Laramie and Cheyenne)

Sponsored by University Amateur Radio Club – Contact: dhutch@uwyo.edu

FRIDAY

12:00 Noon

- **Registration** at Camp Russell Shelter **\$5 Fee includes 1 ticket for door prizes**

- **Additional tickets for door prizes \$1 each or 6 for \$5.**

Grand Prize: 2m Mobile Xcvr

Friday evening:

- **Hotdog cook out.** We'll have some tube steaks, buns, fixins, beans, chips & cookies.

SATURDAY

Free coffee!

8:00 am: Tailgate swapping – Ham Radio & Related Gear

- **Bring your own table**

NO LARGE COLLECTIONS OF COMPUTER GEAR!

Noon: Chile cookoff combined with a potluck meal. Enter your favorite chile in the contest...

Prizes for the three best chiles. If you don't bring chile, please bring a side dish (vegetables, chips, salad, crackers, bread, etc.) or a desert.

Early Afternoon: Business meeting following the Saturday meal

- **Volunteers accepted to sponsor the 2011 High Plains Roundup**

- **Prize Drawings**

- **Evening meal on your own**

SUNDAY

Free Coffee!

Early Morning:

- **Breakfast** on your own

- **Cleanup** before noon

Please follow all State Park Rules and keep a clean camp.

Curt Gowdy State Park fees apply to all visitors.

Daily Use Fee : WY Resident \$4.00; Non-Resident \$6.00.

Overnight Camping Permit (1 Night): WY Resident \$10.00 (includes day use); Non-Resident \$17.00.

Annual Daily Use Permit : WY Resident \$33.00; Non-Resident \$53.00.

Annual Overnight Camping Permit: WY Resident \$40.00; Non-Resident -No Annual Permits.

Thanks for reading.

Mike Whitmore, W7MEW

Editor

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