



SkyWave

Shy-WY ARC Newsletter



November 2010
Volume 1, Issue 11



THE LINK

The link from the 146.775 to the 147.165 is back up. Thanks to Tom Ritter, WB4UIC, and Aarne, WY7ATH. However some of the problems experienced previously have returned. This involves the interference with the neighbors. The receiver sensitivity is effected and therefore received signals are not as strong as they should be at times. Please bear with this annoyance until we can figure out how to eliminate the problems. The link may be deactivated periodically while sorting out the problems. Tom and Mike spent quite a lot of time Saturday night, October 23, trying different configurations. Some things were observed that need to be worked out.

Tuesday Night Net

Fred, KD7LLF, who has been net control for the Tuesday night club net will be conducting training for several weeks. If someone would like to temporarily assume net control for this net please feel. This net meets on Tuesday night at 7:00 pm on the 146.775 repeater.

Wyoming Section Manager

Nominations are now open for the Wyoming Section Manager appointment.

It is now time to nominate a Section Manager of your choice.

Nominations and petitions must be received at Headquarters by 4 PM Eastern Time on December 10, 2010. Information forms can be found at www.arrl.org/section-terms-nomination-information. To be valid, a

petition must contain the signatures of five or more full ARRL members residing in the Wyoming Section. Photocopied signatures are not acceptable. No petition is valid without at least five signatures, and it is advisable to have a few more than five signatures on each petition. Petition forms FSD-129 are available on request from ARRL Headquarters but are not required. A sample nomination form is available on the ARRL web site listed above.



Tech Tips

from Dwayne Allen, WY7FD

The purpose of the Tech Tip section is to offer a platform for ARRL members like you to offer concise, technical advice and suggestions for all. Our aim is not to teach someone how to design a radio, but to offer brief hints and kinks for hams to learn from. If you have a Tech Tip you'd like to offer - any topic pertaining to ham radio is welcome - please send it in a few paragraphs to Vice-Director Dwayne Allen WY7FD ([email](#)) for consideration.

And now for this month's tech tip from Dwayne WY7FD..

Winter is on the way. Snow and cold conditions can make it difficult to work on your antenna system. Now is the time to get ready for the long and sometimes brutal winters that we see here in our Division.

Cold weather causes wires and cables to contract. If you put up a new antenna support this summer, check to make sure there is enough slack in the guying system to allow for constriction. Also, check to make sure your fastening systems are sound. They are the weakest point of a guy system. Did your new installation include a rotator? Check to make sure the lubricant is suitable for the expected cold temperatures for your area.

Over the years, coax coupling devices may work loose. Some brands of electrical tape become brittle in cold weather. Is your coax old and cracking? Check these now.

During the winter, it is much more comfortable to be in the warm shack operating than out on the tower freezing your you-know-what off.

Any one who would like to submit a tech tip to this newsletter, or any other item of interest to this newsletter please do so. All are more than welcome to contribute articles. The final day for inclusion is the 20th of the current month.

For those who may have missed it and for those who are not members of ARRL, the following is the "IT SEEMS TO US" column from the October QST magazine.

It Seems to Us: Say Yes

By Kay Craigie, N3KN
ARRL President

From the October *QST*

Shortly after getting my ticket in 1983, I volunteered to re-start the newsletter for my home radio club in the Philadelphia suburbs. I didn't know much about ham radio yet and knew nothing about doing a radio club newsletter. When did a little thing like not quite knowing what you're doing ever stop a ham radio operator? Undaunted, or maybe just oblivious, I started re-inventing the journalistic wheel, and club members liked the results.

A year later, the ARRL Eastern Pennsylvania Section Manager decided to start a newsletter for his Field Organization volunteers and Affiliated Club officials. He asked the Section Emergency Coordinator, who knew everybody in Eastern PA and was himself a former newsletter editor, to find an editor for the new publication. The first person to whom the SEC offered the Eastern Pennsylvania job said "no." He added, however, "Why don't you talk to Kay?"

By that time I had upgraded to Advanced, was working on my WAS and DXCC awards, and knew which end of the soldering iron gets hot. I didn't know much about the League, though, apart from what I read in *QST* every month. But when the SEC asked if I would be interested in doing a newsletter for the ARRL's Eastern Pennsylvania Section, I said, "Yes, sure, I can do that."

The next thing I knew, I was appointed Assistant Section Manager, and one thing led to another. The line between saying "yes" to that newsletter opportunity and becoming ARRL president twenty-six years later is as straight as a line ever is in a person's life story. It chafes my ego to admit it, but I know I was not the first choice to do the Eastern Pennsylvania newsletter. I wasn't the first person they asked.

But I was the first one who said "yes."

That's what leaders in our Amateur Radio family have in common. No matter how we differ in our educational or occupational backgrounds, whatever the demographic details of our personal lives, regardless of our license class or favorite things to do in Amateur Radio, we are the first ones who say "yes." Yes, I'll do the public service event. Yes, I'll sell tickets at the hamfest. Yes, I'll help you study for your license. Yes, I'll give a talk at the club meeting. Yes, I'll be a net control. Yes, I'll join ARES®. Yes, I'll show you how to operate a contest. Yes, I'll help clean up after Field Day. Yes, I'll teach you the Morse code. Yes, I'll go on the DXpedition. Yes, I'll run for office in the club. Yes, I'll organize the antenna work party.

I don't care if you are so new you have to sneak a peek at your license to remember your callsign, or have been licensed so long you can copy code in ancient Egyptian hieroglyphics. You can be a leader in Amateur Radio. It all begins with saying "yes." What you invest in the stock market can disappear. The property you bought may be worth less today than what you still owe on it. Amateur Radio is different. What you invest in Amateur Radio — your willingness to lead, to serve, to work, and to learn — can never be lost. It will pay you back many times over and in ways you can't imagine. All I did was agree to edit a newsletter, and look what happened to me! I'm sure many of you have a story to tell about how your life changed when ham radio presented an opportunity and you were the first one who said, "Yes, sure, I can do that."

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SHY-WY AMATEUR RADIO CLUB MINUTES

SHY-WY AMATEUR RADIO CLUB
Minutes of the meeting of October 12, 2010

The meeting was called to order at 7:03 PM by club President Mike Whitmore, W7MEW (Mike).

Introductions of attendees were made.

Minutes for the meeting of September 14, 2010 were read and approved.

The treasurer's report was approved as recited by Glenn Hein, W7GHH, club Treasurer.

COMMITTEE REPORTS:

Technical Committee: There is nothing new from Tom Ritter, WB4UIC regarding the Cheyenne-Albin Link. Mike said that a work group needs to be organized for work at the Pilot Hill Repeater. He said that a new power supply needs to be installed there.

The Educational Committee: Cara Nelson, KD7YBL (Cara) said that the committee will start conducting a CW class on October 19, 2010 at the Laramie County Fire District No. 2 Station No. 1 on North College Dr. Cara said that the committee plans to conduct a license course starting early next year.

Skywarn®: Wilson Sellner, WB7RRZ (Wilson) reported that Skywarn® Recognition will be held on December 3 and 4, 2010. Wilson is also not sure that the winter net will be activated. The problem with conducting a winter net is personnel getting to and from

the Weather Service Office during a storm.

VE Session: Wilson announced that a VE Session will be held on November 6, 2010.

ARES®/RACES: Brian McNutt, N7BAM (Brian) said that an AREC®/RACES meeting will be held at 7:00 PM, October 18, 2010 at Cheyenne Regional Medical Center (CRMC). He said that the new emergency trailer will be available for viewing.

Brian also reported that the Citizens Emergency Response Team exercise held on October 2, 2010, involving lost children, went well although it pointed out work that still needs to be done.

Brian reported that the Wyoming Department of Health will hold an Advisory Committee meeting from 8:00 AM to 12:00 Noon on November 6, 2010 in the Vista Room at CRMC where it will show off its assets. WYLink training will be available.

OLD BUSINESS:

Wilson Sellner, WB7RRZ had earlier proposed that the club pay the registration fees of the four club elected officers attending conventions. The matter remains tabled.

The decision to sponsor the hamfest next year will be made at the next club meeting. The possibility to get the Laramie club to help was discussed.

Non-Profit Status with IRS: A discussion was had regarding whether the club should file for non-profit status with the Internal Revenue Service.

UPCOMING EVENTS:

Fred Culek, KD7LLF said the Boy Scout Jamboree on the air will be held on October 16 and 17, 2010.

The club decided to have a dinner meeting in December. Pam Stimson, KD7LLI will arrange a place for the meeting.

The meeting adjourned at 7:43 PM.

Respectfully Submitted,

Jon Jacquot, WA7BIL, Club Secretary



Local news:

Skywarn®: The weekly Monday night severe weather training net has ended for the season. There is discussion about a winter severe weather net. The concern is that during a blizzard who will get operators to the National Weather Service office *safely*.



ARES®/RACES: There will be a Wyolink training session on November 06, 2010 at Cheyenne Regional Medical Center 214 East 23rd Street in the vista room. The training will begin at 0800 and go until 1200. The course will cover how Wyolink works and how to use the system. The instructor will be David Young KC6WZP.

If interested in attending the course please contact Brian McNutt at 1-307-421-1801 or E-mail at mcnutt_b@bresnan.net

Brian McNutt N7BAM

Laramie County ARES®/RACES Emergency Coordinator



VE Test Sessions:



Wilson Sellner continues to conduct VE test sessions at the WYDOT cafeteria Saturday, November 6, 2010 beginning at 0900 (9:00AM). 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.

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, 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.

Wyoming State Convention: Mike, W7MEW, has made the decision that there are not sufficient interested local hams to host the State Convention. The question was raised at the last meeting, again, as to how many members would be interested in helping at the convention itself if the club did host it. There was a deathly silence and no one raised their hand.

Recent Events



ARES®/RACES: I have no information about the meeting on the 18th of October.

Shy-WYARC: Activities have mostly wrapped up for the year.

JOTA– Fred, KD7LLF, had approximately 5 scouts attend. There was a problem with announcing the event so attendance was not what it has been in the past. All went well and one or two scouts plan to work on getting a merit badge for radio.



CW class: The first CW class was held on the 19th and was attended by 4 learners, Mike, W7MEW, Doug, W7MEX, Bob, WB7T, and Pam, KE7UUD. The experience levels vary from some who have used CW but want to

increase their speed to others who know no code. The instructors, Cara, and Fred are using the old instruction tapes created by Don Miller several years ago. This group meets weekly on Tuesday at 6:30 pm at Station 1, Fire District 2 on N. College Drive. If you are interested the class begins at 6:30 pm on Tuesdays, except club meeting night.



Upcoming events:

ARES®/RACES - WyoLink Training November 06, 2010, Cheyenne Regional Medical Center 214 East 23rd Street in the vista room. The WyoLink training will be from 0800 to 1200.

Colorado ARES® is doing a SET exercise on November 20, 2010. Colorado ARES® has invited all the amateur radio operators in Wyoming to check in. The drill is to send a predefined message to State EOC in Centennial Colorado by as many modes as possible from each site. (HF, Digital, VHF FM/SSB, UHF, IRLP) For more information contact Brian McNutt, N7BAM.

Shy-WYARC Meeting - The next meeting will held at the Laramie County Library in the Willow Room, Tuesday, November 9, 2010, at 7:00 PM.

Shywarn® Recognition Day - December 3-4 5:00 pm Friday to 5:00 pm Saturday (local time); 0000 - 2400 UTC December 4. Contact Wilson Sellner, WB7RRZ to sign up for operation. There will be an antenna party Friday afternoon at the weather service office. You can also operate from your home station and contact as many weather service stations as possible. More information is [here](#).

Annual Christmas get together: Tuesday December 14, 2010. Time to be determined. This will replace the regular club meeting, possibly at Appelbee's®. Pam. KD7LLI is making the arrangements. Please contact Pam ([email](#)) if you plan to attend so it is known how many plan to attend.

CW class: Tuesdays, except the 2nd Tuesday, 6:30 pm at Fire District 2 Station 1 on N. College.



The Quiz

By H. Ward Silver, N0AX
n0ax@arrl.net

I just finished reading [The Battery -- How Portable Power Sparked a Technological Revolution](#) by Henry Schlesinger and found it a very interesting read. It's not too technical, it's filled with lots of fascinating historical detail -- and ham radio even makes an appearance or two! I thought incorporating some of the book's historical surprises into a shocking quiz would give you a charge.

- 1) What fossil material can be used to generate static electricity?
 - a. Copolyte
 - b. Lodestone
 - c. Amber
 - d. Coal
- 2) What animal contributed to Galvani's discovery of electrophysiology?
 - a. Cat
 - b. Frog
 - c. Electric Eel
 - d. Cow
- 3) Which World War II device depended on a miniature battery?
 - a. Atomic bomb
 - b. Depth charge
 - c. Heliograph
 - d. Proximity fuse
- 4) What was the original name of the battery company now known as Duracell?
 - a. Ray-O-Vac
 - b. Mallory
 - c. Burgess
 - d. Eveready
- 5) Whose co-worker coined the terms "anode" and "cathode" to describe the electrical polarity of terminals?
 - a. Franklin
 - b. Faraday
 - c. Davy
 - d. Henry
- 6) Who came up with the terms "charge" and "discharge"?

- a. Franklin
- b. Volta
- c. Priestly
- d. Newton

7) When were the standard battery cell sizes used today, such as “D cell,” first published?

- a. 1919
- b. 1927
- c. 1941
- d. 1955

8) A Leyden Jar is an early example of what type of electrical component?

- a. Vacuum tube
- b. Inductor
- c. Transformer
- d. Capacitor

9) What company first marketed a portable transistor radio to consumers?

- a. Sony
- b. I.D.E.A.
- c. Sharp
- d. Motorola

10) What is the chemistry of a Planté Cell?

- a. Carbon-zinc
- b. Lead-acid
- c. Zinc-air
- d. Nickel-cadmium

Bonus: For what was the original “energizer” battery designed?

The answers are on page 12



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). This net is in need of someone to be net control.

Local repeaters:

Frequency	Tone	Offset	Notes
146.775	114.8	-	This repeater is linked to 147.165
147.165	114.8	+	Located near Albin, linked to Neb.
146.820	114.8	-	
147.105	114.8	+	

If anyone has additional repeater information please send to the editor

Note: Most newer radios have the offset automatically programmed.



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 Chapter 140 Net: Sat. @ 0800 on 3.9235

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

Wyoming Swap Shop: Sunday @ 0730 on 3.9235



Monthly Rocky Mountain Division HF net:

DATE: Wednesday, November 10

TIME: 7:30 PM Mountain

FREQ: 3939 kHz +/- due to any QRM

Not a new net, just newly listed!



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 QRP 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 Quiz;

- 1) c -- When rubbed with a cloth, the surface of this non-conductive mineral could hold a charge.
- 2) b -- Frog legs in a metal pan twitched when touched with metallic surgical instruments.
- 3) d -- Built into the tip of artillery and anti-aircraft shells, the battery powered miniature range-finding electronics.
- 4) b -- Its founder, P. R. Mallory, was an heir to the Mallory Line, a 19th century shipping firm.
- 5) b -- William Whewell worked closely with Faraday and helped develop a standardized electrical terminology.
- 6) a -- During his study of electricity, Benjamin Franklin contributed many words still in use today.
- 7) a -- The National Bureau of Standards and representatives of the battery industry created the designations.
- 8) d -- Invented in Leyden (or Leiden), the [Leyden Jar](#) can store a lot of energy.
- 9) b -- Called the Regency TR-1, it contained four Texas Instruments transistors and debuted in 1954.
- 10) b -- Gaston Planté invented the widely-used lead-acid cell in 1859

Bonus answer: The first electric watch, made by the Hamilton Company.

Source: <http://www.arrl.org/news/amateur-radio-quiz-cell-a-bration>

Thanks for reading.

God Bless America.

73

Mike Whitmore, W7MEW

Editor

[email](#)

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