

November 2011 – Presidents/VP Corner:

Presidents Note:

Cold weather is upon us. Have you checked your outside equipment and made sure it is weather ready and are you prepared for the cold of winter? Even though I have had a cast on my right foot for the past two weeks I have still managed to put a ladder up and check out my cables and antennas.

It would be great if everyone would take more part in Club activities. I'm not just talking about showing up to Club Meetings and dinners but also volunteering to help plan activities. There are a few of our members that are more than willing to help but it is getting more difficult to find those that are willing to help. At our November Club Meeting we will be discussing the February party and elections. The location has already been chosen and a few options for the meal. Please, if you want to be involved and won't be at the breakfast on the 19th let me know and I'll add you to the committee.

73's
Bob Haynie KC7JOK

What's Been Happening?

A meeting was held October 15th at the home of Boyd Young N7WFM. Those in attendance were Boyd, Rob Daines KK7DO, Jeff Stork KD7BCJ, Paul Hales W7PAH, and Bob Anderson AA7TR. Items of discussion included: High SWR and poor reception from Tremonton on the '22; 448.300 linking problem with the '22 and possibly the '29, a longer term fix is the possibility of moving the 448.300 repeater from ATK to the Brigham City '29 site; A new CAT Controller will be wired by Paul to replace the one at the '43 when the repeaters are moved; Changing all of our repeater call signs to the Club Call K7UB.

Club Meeting was held October 27th at the Bunderson Center in Brigham City. Paul Hales W7PAH contacted our guest speaker Mack Gilbert

and asked if he would give us a presentation on station, antenna and tower grounding.



“THANKS PAUL” for inviting Mack to our Club Meeting. His presentation was very good, interesting and informative.



Other Items of Club business discussed: The solar panel kit for the '22 repeater, mounting plate for solar panels, possible different antennas for the '22.

2012 – GSARC Membership Drive

During the next few months we each will be asked to once again show our support by renewing our membership to the Club.

We are looking for someone who would like to be the chair person for the Club Party in February 2012. This will be discussed at the next Club Meeting. Please consider either helping with the party or being a chair person. The membership form will be posted on the Club Web within the next few weeks.

The Great Utah Shake Out

At 10:15 a.m. Tuesday April 17th 2012, thousands of Utah volunteers will “Drop, Cover and Hold On” in the Great Utah Shake Out, the largest earthquake drill in Utah history!

To volunteer and be part of the drill go to the following web site and sign up:
<http://shakeout.org/utah/>

You can also view lists of those who have volunteered and are going to participate in the drill.

ATK (Blue Springs Hills) Repeater Update:

Rob Daines, KK7DO, the 145.430 & 448.300 Repeater Trustee made a trip to the site. While there he checked things out and made a list of items and tasks that need to be done on a future working trip. He did find out that the 440 antenna is an omni directional and not a beam as was thought.

Brigham City Repeater Update:

A new repeater radio, a Kenwood TKR-750K2, has been ordered with the help of Jim Buchanan the Emergency Manager for Brigham City. Funding came from a grant that Jim had applied for and successfully acquired.

Fielding-Riverside Repeater Update:

Bob Anderson AA7TR, Paul Hales W7PAH and Steve Keene NE7P, went to the repeater site to investigate and do some trouble shooting. The antenna SWR was checked then removed and replaced with another antenna. The SWR was then checked again. The duplexer was removed and will be checked for proper frequency alignment. The TX and RX from the repeater are connected to the GP-3 and beam antenna. On going work to make the repeater better continues.

Last month at the Club meeting the possibility of setting up a solar power back system was discussed. A 45 watt solar panel kit has been purchased. A mounting plate and brackets still need to be fabricated before the panels can be installed. Batteries and an insulated container have yet to be acquired.

Because of layoffs and changes at ATK we are no longer able to mail, Snail Mail, the newsletter. Due to the cost of printing and postage it has been determined and will be necessary to publish the newsletter on the Club web site only. We hope that this will not be a problem for our members.

Also the ATK Recreational Council has notified our Club and others that they, ATK, will no longer be funding Clubs. We are now looking at other options including applying for and becoming a non-profit organization through the State and IRS.

GSARC Activities:

November 2011

Club Meeting – Saturday, November 19th
Location: Jeremiah’s Restaurant – Breakfast
(behind Best Western)
Address: 1307 West 12th Street, Ogden, Utah
Time: 0900 Hours (9:00 AM)

December 2011

No Club Meeting – “Happy Holidays”

January 2012 – “HAPPY NEW YEAR”

Location: TBA
Date: TBA
Tome: TBA

February 2012 – Club Party and Elections

Location: Bear River Civic Center
Date: xx-Feb-2012
Time:
Dinner: Must be paid for in advance with Dues

If you have an article, comment, picture or information you would like to post in this newsletter please send it to:

Bob Haynie KC7JOK
119 South 600 West
Brigham City, Utah 84302
- or -

bhaynie72@hotmail.com

Club Information:

Golden Spike Amateur Radio Club

Info NET:

Wednesday night: 2000 hrs. (8:00 PM)
Carried over the 145.430, 145.290, 147.220 and 448.300 MHz repeaters

NET Coordinator: Wayne Jenson, AB7TS
NET Assistant: Sandra Farnsworth, KE7EHJ

Box Elder County Emergency

Training NET:

Sunday night: 1930 hrs. (7:30 PM)
Carried over the 145.430, 145.290, 147.220 and 448.300 MHz repeaters

NET Coordinator: Boyd Giles, KC0VLO
NET Assistant: Deloss Everton, W7TEU

Linked Repeater:

- 145.430 - (pl .123) MHz (Blue Springs Hills)
- 448.300 - (pl .123) MHz (Blue Springs Hills)
- 145.290 - (pl .123) MHz (Brigham City)
- 147.220 - (pl .123) MHz (Fielding-Riverside)

Officers:

- President: Bob Haynie, KC7JOK
- Vice President: Doug Harford, K7DKH
- Treasurer: Byron Okada, KE7IRH
- Secretary: Peggy Harford, K7PGE
- Newsletter Editor: Bob Haynie, KC7JOK

Repeater Trustees:

- '43 Site: Rob Daines, KK7DO
- '29 Site: Jeff Stork, KD7BCJ
Boyd Young, N7WFM (assistant)
- '22 Site: Bob Anderson, AA7TR
Paul Hales, W7PAH (assistant)

Club Web Site:

<http://www.ubetarc.org/> (as of: 06-Nov-2006)

Web Maintained by: Dave Cook, KD7OUP
The Web site will be updated as Dave gets time though the Site Name (URL) may remain the same for quite some time.

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Box Elder County ARES *Amateur Radio Emergency Service*

November 2011:

I hope that each of you that are ARES/RACES Members take the opportunity to go to the conference this year. Training is very important for all of us and I am no exception. I've said this many times and I'll continue to say it, "I learn something every time I participate in an activity". Attending the ARES/RACES Conference is just another way to learn and gain experience. We may not be out using our radios during the Conference but we will learn many useful things. **The 2011 Conference will be held Saturday November 5th at the Davis Conference Center in Layton.** If you have joined the State RACES Group I suggest that you attend the conference if you can. To register for the conference go to the following web site:

<http://www.utah.train.org/desktopshell.aspx> Course Number: 1011069

If you haven't registered with Utrain you will have to create an account before you can register for the course. If you haven't registered for the ARES/RACES Conference it's too late for this year, there's always next time.

I always have my eyes open looking for ways I can increase my knowledge. I'm also looking for ways I can prepare to help with communications during an emergency or disaster. I personally want my wife Marsha, KF7JAL, and I to be ready to help with communications during any emergency of disaster. I try and think of all possible problems that could happen and then work to prepare for what I hope won't happen. At the last Club meeting I was asked if the GSARC had a backup repeater should one go down during a disaster or emergency. The Club doesn't have the radios or the funds currently to build a backup system. I thought about this same kind of problem a few years ago. At that time I had extra funds available. I watched for items and put together two (2) orange Pelican cases with a dual band mobile, antenna, cooling fan and assorted other items to make a cross band repeater system. A cross band repeater can be setup most anywhere communications is needed. For those that are unfamiliar with how a cross band repeater works, simply, one radio and is set to receive on a frequency such as 144.690. As that signal is received that radio automatically retransmits that signal on a different frequency and or band such as 448.300 to the second dual band radio. The second radio is set to receive the 440 signal from the first radio and automatically retransmits the signal on another frequency such as 145.290. It works very much like a regular repeater but without all the bells and whistles. I hope this helps those that are unfamiliar with a cross band repeater understand how it works.

Other Learning Opportunities

Objective:

This unit offers ways to develop and perfect the skills you have learned in this course.

Information:

Someone once asked a famous violinist how to get to Carnegie Hall in New York City. His answer was "practice, practice, practice."

So it is with emergency communication skills. If you want your performance in the next big disaster to be flawless, practice is essential. Fortunately, there are plenty of opportunities to do so if you take the time to seek them out.

Regularly Scheduled Nets

Many local ARES and RACES groups hold regularly scheduled training nets. Well-designed nets will vary the format and goals frequently in order to keep them interesting. One month may be devoted to learning about the county's new damage report form, and another with moving welfare messages to and from the National Traffic System (NTS).

If ARES and RACES do not hold regular nets, consider joining an NTS net. Many areas have a VHF traffic net, and if you have HF capability you can participate in regional and cross-country nets as you develop your skills.

Local Classroom and On-Air Training Sessions:

Your emcomm organization and/or served agency may offer a variety of educational opportunities. All three ARRL ARECC courses are offered in a classroom version. Local agencies may offer job specific training, such as the American Red Cross' *Introduction to Disasters* and *Disaster Damage Assessment* courses. Smaller training sessions may deal with the use of certain forms or procedures. In addition to regular nets, special on-air training sessions may be held on a repeater or simplex frequency as an alternative to classroom sessions when the subject is simple or utilizes a net environment.

Public Service Events

As you learned in Learning Unit 10, some of the best practice for tactical disaster communication is your local "athon." It does not matter if it is a bike-athon, walk-athon or crawl-athon, but the larger the event, the better the experience. A large, fast moving event closely simulates the conditions experienced in disaster communication situations. Even a slower event will allow you to practice tactical net operating skills or experiment with various modes.

Learning Resources on the Internet

We strongly recommend downloading and printing copies of the *ARES Handbook*, *ARRL Public Service Manual*, and *ARES field Resources Manual*. Put them in a three ring binder and make them part of your jump kit for easy reference at home or in the field.

- ARRL Section Manager List www.arrl.org/field/org/smlist.html
- ARRL Net Directory www.arrl.org/FandES/field/nets/
- ARRL Public Service Manual www.arrl.org/FandES/field/pscm/
- FEMA Institute www.fema.gov/emi/ishome.htm
- ARES Manual (.pdf file) www.arrl.org/FandES/field/aresman.pdf
- FCC Rules and Regulations www.arrl.org/FandES/field/regulations/rules-regs.html
- National SKYWARN <http://www.SKYWARN.org/>
- NWS Storm Watch <http://www.noaa.gov/stormwatch/>
- Ham Radio at the NWS Hurricane Center <http://www.fiu.edu/orgs/w4ehw/>
- NWS Doppler Radar Sites <http://weather.noaa.gov/radar/national.html>
- NWS Storm Prediction Center, Norman, Oklahoma <http://www.spc.noaa.gov/>

The Real World

- Alabama Tornadoes, 2000
<http://www.abc3340.com/weather/Dec2000Tornadoes.html>
<http://www.alert-alabama.org/audio.html>
<http://www.kr4tz.org/al-arrl/article.php3?ID=20001218.001>

Books

- The *ARES Field Resources Manual* (ARRL) is a handy and rugged spiral bound field guide packed with essential emcomm information. It should be in the ready kit of every emcomm volunteer.
- The *ARRL Operating Manual* covers all the basics of Amateur Radio operation -- and more.
- The *ARRL FCC Rules Handbook* offers a clear and understandable explanation of the FCC Rules and Regulations for Amateur Radio. Chapter 5 deals with emergency communication issues.
- *Your Packet Companion* by Steve Ford (ARRL) is the perfect book for packet beginners.

- *Practical Packet Radio* by Stan Horzepa (ARRL) covers the basics and delves into BBS operation, packet cluster, satellites, and more.
- *Packet: Speed, More Speed, and Applications* (ARRL) is for the advanced packet user. Topics include high-speed networks, pacsats, meteor scatter, and APRS. This book is not for beginners.
- *ARRL's HF Digital Handbook, 2nd Edition*, covers PSK31, MFSK16 and other popular digital modes.
- *APRS Tracks, Maps and Mobile --A Guide to the Automatic Packet Reporting System.* (ARRL)
- *NOSintro: TCP/IP Over Packet Radio* is an introduction to using the KA9Q Network Operating System in a packet environment. NOS has a variety of uses and implications for emcomm.
- *Transmitter Hunting: Radio Direction Simplified* by Joseph Moell, K0OV, and Thomas Curlee, WB6UZZ (ARRL) is the "bible" of radio direction finding. Topics include search and rescue operations and hunting for downed aircraft.
- *The Interference Handbook* by William Nelson WA6FQG will help you locate and resolve all sorts of radio interference.
- *The ARRL Antenna Book, Volume 4* covers portable and emergency antennas for 40 and 80 meters.
- *Weather Satellite Handbook* by Ralph Taggart WB8DQT (ARRL) offers information on how to receive and decode data directly from various weather satellites.
- *The ARRL Repeater Directory* lists all VHF and UHF repeaters in the USA, Canada and many other countries. This directory is updated annually.
- *The North American Repeater Atlas* (ARRL) has maps showing all repeaters in North America. This is a great resource for ARESMAT members traveling to unfamiliar areas.
- *Your Mobile Companion* by Ralph Burch WF4N, (ARRL) is a practical guide to installing and operating a HF mobile station.

Software

Tucson Amateur Packet Radio (TAPR) has a variety of packet software available. <http://www.tapr.org/>
 ARESPACK is a DOS based packet messaging software that offers uniform message formats, message creation templates, and more. It is available from a variety of sites as a free download. No support or upgrades are offered or planned by the author. <http://www.users.erols.com/sagers/arespack30.exe>
 ARESDATA is a packet-based database for tracking shelter residents and other database tasks. It is available from a variety of sites as a free download. <http://www.users.erols.com/sagers/aresdata.zip>
 Virginia Digital Emergency Network (VDEN) <http://www.erols.com/sagers>

ARECC Levels II and III

ARECC Level II is designed for those who wish to further develop net management skills. The course is designed to prepare you for the jobs of NCS and Net Manager.
 ARECC Level III is designed for emergency communication managers at all levels. If you are, or plan to be, an AEC, EC, DEC, or SEC, this is the course for you. Level III is also recommended for Net Managers.

Review:

Emcomm education is an ongoing process. To be an asset to your emcomm organization and its served agencies, you should take advantage of every possible learning opportunity.

73's
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