



THE OHM TOWN NEWS

Voice of the Bridgerland Amateur Radio Club

March 2007

>>>>>> <http://www.barconline.org> <<<<<<<

HAM PROFILE

by Boyd Humpherys W7MOY

We have a lot of diverse talent amongst the members of the club. What ever you may want to do, learn, or experience, there is bound to be someone who can take you aside and teach you the finer arts of about anything, or explain why you should pass it by. We probably ought to change the name of our noble organization to Google BARC, BARC Google, or something similar. If any of you would like to learn the fine art of SCUBA diving, one of our members by the handle of



Heidi Bleazard, AC7ZC is the one to give you the straight scoop. If you can't wait for summer to don the wet suit, goggles and tank, she might be persuaded to take you out to Hyrum Dam next week and

throw you in. The local newspaper has had a few articles recently about several suicidal individuals who have recently braved the icy waters of the valley's Southern inland sea, and cavort about, doing things they could have done in the summer and felt a great deal better about it, plus not drawing the attention of the guys in the white suits.

Heidi sports an ICOM HT, and an FT 100 rig to complete the complement. Mag mounts for 2 have done the job when they fire up the family Benz. I think I did detect a slight air of nostalgia when we broached the subject of an outside antenna and tower. I do believe that may be in the planning stage. She has held an extra ticket for 2-3 years and has assisted as a Volunteer examiner for our group during that time.

She first appeared on the hazy scene in Los Angeles some years back, went to school hither and yon, taking some correspondence courses from Penn State, and to quote her, she grew up on the beach, here in the

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PRESIDENTS MESSAGE

Time flies when you're busy having fun

Almost March already, where has the time gone? They say that time flies when you are having fun. I think it's doubly so when you are busy, and I've been doing both. I've been having a great time getting involved in a minor roll with the 4H/BARC ham class that has been going on the past few weeks. It's great to see new people show interest in the hobby. I have also enjoyed my first foray into HF communications using my own license privileges in the 10 meter SSB/CW "novice" sub-band. Studying for the General Class exam took a fair chunk of time, but it was fun. The ARRL's General Class License Exam book worked very well for me. I highly recommend it to other Technicians. I've got an element three CSCE ready to turn in at the next exam session.

I attended a lot of meetings this last month and many mentions of areas where people could get involved. The local Red Cross could use an Amateur Radio operator to serve on their board and two others to be in a communications committee. Our BARC VE team could use at least a few more VEs at each exam session



plus a few BARC club members to help out and to mentor new hams. CERT groups and various Church organizations are looking for people willing to train themselves as skilled Amateur Radio operators. If you are into airplanes, the Citizens Air Patrol (C.A.P.) would like more coordination between it and the Amateur Radio community. Last, but definitely not least in this non-exhaustive list, the local ARES group could always be bigger to have more "surge capacity" in the event of an emergency.

(Continued on page 3)

UPCOMING ACTIVITIES 2007

March 10 - Club meeting - APRS and Bunny Hunt assisted with APRS if weather permits

April 14 - Club meeting

May 12 - Club meeting - Build it party

Mt Man Rendezvous - May 23, 24, 25?

Cache Classic - June 2nd?

Cache Cruise In - June 7th

C. V. Biathlon - June 9th

Wasatch Back Relay June 22

Field Day - June 23 & 24

Utah MS 150 - June 23 & 24

LOTOJA - September 8th

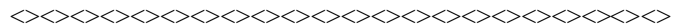
Top of Utah Marathon - September 15th

JOTA - October 20 & 21

BEAR 100 - September 22nd

BARC Club Meetings are normally on the second Saturday of the month at 10:00 A.M. on the 3rd floor of the Cache County Sheriffs Complex on 200 North and 1225 West, Logan, Utah

ARES Meetings are usually held on the Third Wednesday of each month at 7 P.M. at the Cache County Sheriffs Complex. Contact Tyler Griffiths for more information.



BARC E-mail Addresses

In conjunction with the upgrades to the Web site www.barconline.org it is now possible to use barconline.org e-mail addresses. Some addresses that have been set up for everyone's benefit are:

- president@barconline.org
- vice-president@barconline.org
- secretary@barconline.org
- treasurer@barconline.org
- newsletter@barconline.org
- webmaster@barconline.org

If you are interested in getting an e-mail address please contact the Club President to arrange for your own address.



Answers to questions on page 8:
1-B, 2-C, 3-D, 4-A, 5-D, 6-D, 7-D

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(Presidents Message Continued from page 1)

March Club Meeting

The march club meeting topic will be on the Automatic Position Reporting System (APRS) and weather permitting will include a coordinated team bunny hunt using the VHF/UHF FM repeater system and the APRS packet network. I really hope the weather cooperates. If the 10 day forecast is even partially correct, we should be up to the high 40's by the middle of next week with rain instead of snow. We will start the meeting at the Cache County Sheriff's complex with a brief overview of APRS and a briefing of the field exercise.

I am hoping to bring at least part of the activity nearby the testing session. My vision is to have a laptop or two in a room near the testing session running some APRS mapping programs like UIView, and XASTIR with direction finding report overlays transmitted via APRS or via FM voice and then entered into the map. It may also be nice, but not necessary, to have the net control up there.

After the activity, I would like to meet in the parking lot south of Old Main for an after action review and some hot chocolate or ice cream, as the weather permits.

If you've tried doing APRS before but hit a roadblock or two, please bring your equipment or some notes on your troubles to the club meeting so that we can help you out. We may even be able to get you going before we head out to get our bearing and signal strength report if you show up a little early.

BARC Below 30 Mhz

A few club members, myself included, would love to drum up some more HF activity within the club. I don't think the idea is novel, but the timing seems great. The Technician license now includes the "old Novice" license privileges I've heard many lament the loss of plus full privileges above 50Mhz. All this without the stumbling block of the code that may have been holding some people back.

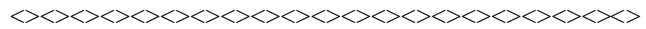
Ernie, KB7ZNH, has been sharing a brief report of HF conditions and upcoming contests on most Tuesday evening nets for over a month now. I have enjoyed this and hope that it also inspires others to get the HF bug. He has also shared some training information and prompted the creation of an HF section on the club web site. I hope that area grows with helpful articles and news shared by you.

Last Thursday I was getting excited about the count down to the FCC "no code" change going into effect. I sent a last-minute announcement out to the

club email list encouraging others to join me with a QSO party on 28.480 Mhz single side band to celebrate the event. A number of people got on and we had fun testing settings out on our radios and seeing how our antenna systems worked.

Don, AC7ZB, suggested on the club mailing list that we have a local 10 meter calling frequency for people to try, especially on the weekends. I think it's a great idea and haven't found a reason for not using 28.480. He pointed out that 10m gets some sporadic-E openings in the summer time, so even Techs might get some phone or digital DX. The 10 meter band is currently "dead" as far as day to day DX goes, but that and the fact that most HF rigs include the 10 meter band makes it a great HF frequency to practice on. You can coordinate via the club's FM repeater systems while you attempt to set up your HF station. Give a call out on the repeaters asking if anyone is available to work on HF with you if no one's answering on 28.480 Mhz.

I hope to hear you on the air.



A Few Ham Radio Special Events in March

Mar 10-Mar 11, 1500Z-2200Z, Newport News, VA. Hampton Roads/Peninsula Combined Radio Clubs, K4M. Battle of Hampton Roads (145th anniversary) and USS *Monitor* Center Opening. SSB 28.362 21.362 CW 14.062 PSK31 14.070. Certificate. Cynthia Verser, The Mariner's Museum, 100 Museum Dr, Newport News, VA 23606. *Special event sponsored by many area clubs. Operators will also be on more frequencies than listed.* cverser@marinersmuseum.org

Mar 11, 0000Z-1300Z, Tustin, CA. Yamon DX Federation, W6YDX. Celebrating the essence of Daylight Savings Time (DST). 14.250 7.250 7.040 3.850. QSL. Dan Dankert, N6PEQ, 13672 Fairmont Way, Tustin, CA 92780-1811. w6ydx@dxer.com

Mar 17, 1500Z-2200Z, Macon, GA. Macon Amateur Radio Club, W4BKM. 25th Annual Cherry Blossom Festival. 145.370 14.240 10.110 7.055. Certificate. Macon ARC, PO Box 4862, Macon, GA 31208. www.qsl.net/w4bkm

Mar 31-Apr 1, 1500Z-0100Z, Laramie, WY. University Amateur Radio Club, N7UW. Operating from the highest university in the US -- elevation 7250 feet. 28.450 21.350 14.250 7.250 3.850. Certificate. University Amateur Radio Club, Dept 3625, 1000 E University Ave, Laramie, WY 82071. uwacadweb.uwyo.edu/UARC

For more information about Special Events see:
<http://www.arrl.org/contests/spev.html>

Thank you for your support of the Bridgerland Amateur Radio Club

Your **tax deductible** membership fee and contributions to the Bridgerland Amateur Radio Club (BARC) help support a strong Amateur Radio group and a *valuable FM VHF/UHF repeater network reaching from Bear Lake to the Salt Lake Valley*. These funds are carefully spent according to the approval by vote of the members of the BARC for:

- Repeater site fees.
- Maintaining existing and adding new repeater systems.
- Refreshments at the monthly club meetings. (We hope to see you there.)
- Field Day site rental and dinner. (Great fun. Please join us!)
- Christmas party door prizes.
- Club newsletter.

Bridgerland Amateur Radio Club **Application for the Year 2007 Membership**

Log-in # _____

Dues are in effect January 1, 2007 through December 31, 2007

Name _____ Call Sign _____ Date Paid _____

P.O. Box _____ Street Address _____

City _____ State _____ Zip Code _____

Home Phone () _____ Work Phone () _____

Phone # for Auto-Dial Slot _____ E-mail _____

Individual Membership - \$25 \$ _____

Additional Family members in same household - \$3 ea \$ _____

(One Newsletter per household)

Names and call signs of additional family members Total \$ _____

Name _____ Call Sign _____

Name _____ Call Sign _____

Are you an ARRL Member?

Mail your completed form and a check to: B.A.R.C., P.O. Box 111, Providence, UT 84332-0111
B.A.R.C. is a non-profit organization

(Ham Profile Continued from page 1)

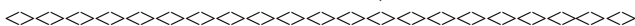
US and abroad where she traveled a bit. I had heard of varieties of individuals who live on the beaches and call themselves Beach _____. Although I didn't ask that question, she must have read my mind and remarked, No I'm not one of those.

We'll have to relate an interesting story. It appears a grandmother's TV antenna had some form of a seizure and unless remedial action were to be administered shortly, she would likely miss such things as the Super Bowl, midget professional wrestling, the world tiddley wink playoffs, and other similar interesting things. A contest was conjured up. Who would be the first to come up with a fix for Grandma's broken sky hook? Well you guessed it, Heidi came up with a Yagi made out of baling wire, and other odds and ends. Heidi claimed it performed much better than the original. So now take note everyone, no more half baked technical fixes. An uncle reportedly used to make radios out of bed springs. Mr. Goldberg's traits must run in the family.

They have a combined family of anywhere from 6-9 around the breakfast table, depending on schedules but no one goes hungry and reports are that love abounds in their castle and that's what it's all about.

Hubby Keith was born in Salt Lake City. He has now managed the USU hockey team for the last several years, and those of you who have witnessed their games will have to admire their finesse. The family, especially mom & pop are into Scuba Diving, in fact they met while submerged in this H2O environment. I'll bet all of you want to know just how they communicated 10' under water. Well it seems these participants have developed a form of communications to be used under water, basically morse code, you bang on a pipe, or pound on someone's noggin with certain key coded signals which mean certain things. Hello, glub, glub, have we met before, glub, glub, glub? , and so on. Affection blossomed rather cryptically and they decided to swim off into the sunset, submerged. Thus we have the benefit of some great people in our club. Incidentally Keith is mastering morse code, not because it's not a requirement any more, but he wants more meaningful conversations with Heidi.

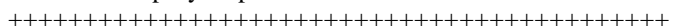
73 Welcome to BARC land, Heidi and Keith.



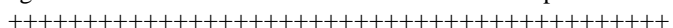
The ARRL Letter Vol. 26, No. 05 February 2, 2007
==>LEAGUE ROLLS OUT EMERGENCY RADIO
PUBLIC RELATIONS CAMPAIGN, WEB SITE

"Ham Radio . . . Getting the message through for your family and community" is the theme of the League's 2007 public relations campaign. The "Emergency Radio" Web site

<<http://www.emergency-radio.org/>> debuted this week. ARRL Media and Public Relations Manager Allen Pitts, W1AGP, says the 2007 PR initiative picks up the momentum ARRL public information officers started during the just-ended "Hello" campaign. "As we begin launching the new emergency communications campaign, the friendships and good will developed in Hello will aid in future promotions of Amateur Radio," Pitts said. "For 100 years, radio in its many forms has saved lives and aided in crises. We have a great legacy and a bright future." The new Web site is a partner to the "Ham Radio . . . Getting the message through for your family and community" brochure now available and, in fact, already starting to make the rounds. "If an emergency or disaster should happen, the new 'Ham Radio . . . Getting the message through' site has the capability to quickly upload current information, providing PIOs with words and pictures to circulate to the media while the event is still news," Pitts explained. As both the brochure and the "Ham Radio . . . Getting the message through" Web site note: "Amateur Radio . . . has consistently been the most reliable means of communication in emergencies when other systems failed or were overloaded." The campaign stresses that ham radio works and works well and it doesn't require any external infrastructure, such as telephone lines or even the Internet, to get the message through. The Web site provides page space for emergency communication and disaster relief organizations to tell about their work. "So far, SKYWARN, MARS, SATERN and RACES have taken advantage of our offer, showing the versatility of ham radio in disasters and emergencies," Pitts says, "and more are expected." The campaign also emphasizes that ham radio is fun and a good way to keep in touch with friends or family. "You can have this capability for yourself and your family," the campaign points out, inviting members of the general public to get an Amateur Radio license and become active in emergency communication through the Amateur Radio Emergency Service (ARES) or other organization. A "How to Get Started" tab on the Web site offers step-by-step instructions.



New ARRL department gets official name: As a result of an ARRL Headquarters reorganization announced in January, the Membership Services Department and Field and Educational Services combined into a single unit. The new department now has an official name: The Membership and Volunteer Programs Department (MVP). Dave Patton, NN1N, is the MVP manager. The reorganization also established a new position of Emergency Communications Manager within MVP and created a new Education Department.



Amateur Radio volunteers needed for Boston Marathon: Marathon Amateur Radio Communications (MARC) is seeking Amateur Radio volunteers to provide communication during the Boston Marathon, which takes place Monday, April 16. MARC is a consortium of the Boston Amateur Radio Club, the Framingham Amateur Radio Association, and the Minuteman Repeater Association. These organizations are working together to provide radio communication support for the annual Hopkinton-to-Boston run, sponsored by the Bos-

Questions for General License

1. (G1C04) What is the maximum transmitting power an amateur station may use on 21.205 MHz?
 - A. The minimum power necessary to carry out the desired communications, with a maximum of 200 watts PEP output
 - B. The minimum power necessary to carry out the desired communications, with a maximum of 1500 watts PEP output
 - C. 1000 watts PEP output
 - D. 2000 watts PEP output
2. (G2A07) Which of the following modes of voice communication is most commonly used on the High Frequency Amateur bands?
 - A. Frequency modulation (FM)
 - B. Amplitude modulation (AM)
 - C. Single sideband (SSB)
 - D. Phase modulation (PM)
3. (G2E09) What do the initials "ITU" stand for?
 - A. Interstate Telecommunications Union
 - B. International Telephony Union
 - C. International Transmission Union
 - D. International Telecommunications Union
4. (G4A11) What type of transmitter performance does a two-tone test analyze?
 - A. Linearity
 - B. Carrier and undesired sideband suppression
 - C. Percentage of frequency modulation
 - D. Percentage of carrier phase shift
5. (G4E14) What safety precaution should you observe when using a gasoline-fueled generator to power your home station?
 - A. Always ground the frame of the generator
 - B. Use only generators that produce a clean sine wave output
 - C. Make sure that the engine is well lubricated
 - D. All of these choices are correct
6. (G8A01) What type of modulation system changes the amplitude of an RF wave for the purpose of conveying information?
 - A. Frequency modulation
 - B. Phase modulation
 - C. Amplitude-rectification modulation
 - D. Amplitude modulation
7. (G9D08) In what values are RF feed line losses usually expressed?
 - A. Bels/1000 ft
 - B. dB/1000 ft
 - C. Bels/100 ft
 - D. dB/100 ft

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PROVIDENCE, UT 84332**



March, 2007

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