



THE OHM TOWN NEWS

Voice of the Bridgerland Amateur Radio Club

December 2004

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

Happy Holidays

HAM PROFILE

by Boyd Humpherys W7MOY

There has been a little banter about the imports of Ham quality individuals from our neighboring state to the North, however it should be recognized that other areas produce a few good fraternity members as well. Let's meet one by the name of Don Butler, N5LZ/7 who recently purchased a castle in Mendon. Incidentally those who attended the recent club meeting may have met Don. Everyone ought to feel good about importing fellow amateurs, even from W5 land, however



with a bit of further prying, it was discovered that both he and his good XYL, Lynn Turnbull, were born down in our own

coal mining territory of Price. So it turns out that some native Utahans have come back to roost and defend the cause of crank up towers in the back yard. Incidentally with increasing urbanization all around us, more of our fraternity may face some struggles with our plans for tower and antenna erection, especially within sub divisions. Quite a few of our Cache Valley group have

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PRESIDENTS MESSAGE

Merry Christmas everyone! I hope you will all have time to relax and enjoy the holiday season. Perhaps those of you with HF rigs will get a chance to get on the air and spread holiday wishes across the globe. One of the great benefits of amateur radio is the opportunity to communicate with persons of cultures around the world. I guess we could pick up a phone and randomly dial phone numbers in France or Russia and see if someone will talk with us. It would be an interesting experience.



I appreciate the support of many of you to help the club move forward. This year we have had guest speakers on a variety of subjects, including HF, earthquake preparedness, solar power, direction finding and a great build it party. We were also able to host many in the state of Utah to a special edition club meeting featuring Bob Burniga, W4APR, the father of APRS. We supported many public service events, including LOTOJA, Biathlon, Top of Utah, MS 150, Mountain Man Rendezvous', Cache Cruise-in and a few more. There has been renewed interest in our abilities to help agencies provide emergency communications. Members of the club helped more than 25 boys earn their radio merit badge through several events through the year. We have

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Events Calendar

December Club Meeting:
December 9 6:30 P.M.



Club Christmas Party

Thursday December 9th 2004 at the Cracker Barrel in Paradise Utah. Great prizes, and something different this year.

The party will be on Thursday evening December 9th at the Cracker Barrel in Paradise Utah. If our numbers grow over what we had last year then we will move it to the city hall. Cost is \$15.00 per plate and you must RSVP and pay by December 8th. Menu includes prime rib and chicken paprika (enough so everyone can have some of both), seafood salad, green salad, au gratin potatoes, rolls, and the sinfully great cake for dessert, coke products to drink if we have it at the cafe and punch if we have it at the town hall.



Your BARC officers for 2005

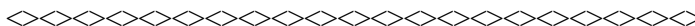
President: Kevin Reeve N7RXE
Vice President: Tammy Stevens N7YTO
Secretary: Julie Dabb KC7RPP
Treasurer: Dave Fullmer N7RRZ

Board members

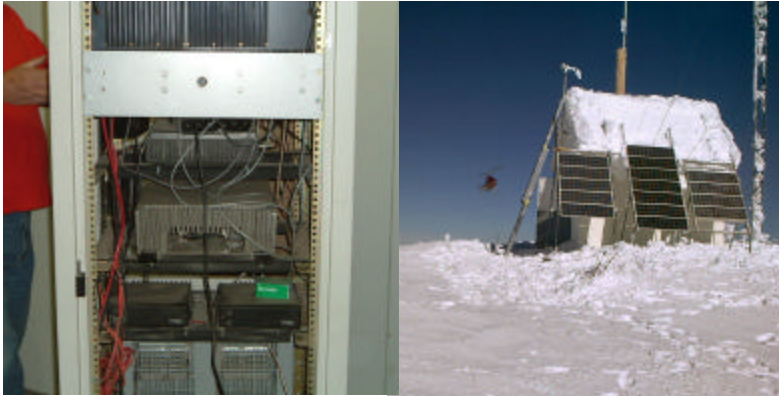
Ted McArthur AC7II
Tom Baldwin KD7TRN
Ken Buist KC7QES

Consider supporting BARC financially

The Bridgerland Amateur Radio Club is a non-profit IRC 501 C (3) corporation dedicated to the education and training of amateur radio operators. Your contributions to the club are tax deductible as allowed by law. BARC could use additional funds to enhance training efforts, especially to youth, and replace radio equipment used to support emergency communications throughout the valley. Please consider a tax deductible contribution to the club for these efforts.



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



Here are a few shots from the presentation given at the November Club meeting.



Bridgerland Amateur Radio Club Log-in # _____
Application for the Year 2005 Membership
Dues are in effect January 1, 2005 through December 31, 2005

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 e a \$ _____

(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

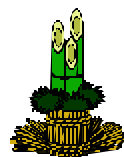
The ARRL Letter Vol. 23, No. 45 Nov 12, 2004
==>US COAST GUARD AUXILIARY SEEKS
RADIO AMATEURS

CQ, CQ CQ! The US Coast Guard Auxiliary <<http://www.cgaux.org/>> is looking for Amateur Radio operators or prospective amateur licensees. "Like every other emergency based service, the Coast Guard operates every day, in good weather and in bad," says Wayne Spivak, KC2NJV, of the USCG's National Public Affairs Department. "We, in the USCG Auxiliary operate whether there is power to operate the normal modes of communication, such as phones, or whether the weather is bad, and the normal means of communications are out of service." At times like these, the Coast Guard and the Auxiliary rely on the Auxiliary Net (AuxNet), a backup radio network, to maintain communication with both the Auxiliary and the Coast Guard. In areas where there is no regular Coast Guard presence, the Auxiliary may rely solely on its AuxNet for communication. In areas with a large USCG presence, the AuxNet operates in both a support and backup capacity. The USCG Auxiliary is seeking ham radio volunteers because amateurs "are good communicators," Spivak says, in particular because of skills they've developed both in everyday radio operation and participation during emergencies in RACES, ARES and SKYWARN. He suggests Amateur Radio and the US Coast Guard Auxiliary are an ideal fit. To find out more, visit the USCG Auxiliary Public Service Article's Web site. The US Coast Guard Auxiliary is open to all US citizens over the age of 17. A security background check, paid for by the US Coast Guard, is required before an applicant is accepted. Visit the US Coast Guard Auxiliary Web site <<http://www.cgaux.org/cgauxweb/getzip.html>> to start the process.

The ARRL Letter Vol. 23, No. 46 Nov 19, 2004
==>ARRL PARTICIPATING IN IEEE, INDUSTRY EFFORTS TO SET BPL STANDARDS

Working with industry through the IEEE Broadband over Power Line (BPL) Study Group <<http://grouper.ieee.org/groups/bpl>> and in other venues, the ARRL is taking part in efforts aimed at defining and establishing key BPL technical standards. Among other issues, these standards will address the avoidance of interference from BPL to licensed radio services. The study group has held three meetings this year, and the next session is set for January 14 in San Diego. The study group met most recently in Piscataway, New Jersey, on October 13, the day before the FCC adopted new Part 15 rules to govern BPL deployment. ARRL Lab Manager Ed Hare, W1RFI, told

those attending that gathering that any BPL standards must address issues of electromagnetic compatibility (EMC). "The consensus of the committee is still that dealing with emissions and EMC is very high on the importance list," Hare said later. In terms of EMC, he said, the components of any IEEE BPL standard should "include the needs of the BPL industry to have a workable environment in which to manufacture and market BPL technology while addressing the need for licensed radio services to operate in an environment that does not result in harmful interference." Hare's presentation focused on explaining why the BPL industry's measurements using spectrum analyzers and test probes differ from the impact BPL emissions have on communications receivers attached to typical amateur antenna systems. "I also continued to extend our offer to work cooperatively with industry representatives," Hare said. The ARRL and the FCC's Enforcement Bureau have a long history of cooperating in resolving Part 15 interference complaints resulting from power line noise. Hare and ARRL Chief Technology Officer Paul Rinaldo, W4RI—who attended a July study group meeting in Piscataway—have been charged with drafting the part of the IEEE study group's "white paper" dealing with affected radio services, including Amateur Radio. Other aspects of the document will include safety; compatibility between access BPL and in-home BPL; compatibility with utility distribution systems, and security, privacy and authentication issues. Following the July study group meeting, Rinaldo said the consensus of participants was that the core issue confronting the BPL industry was dealing successfully with the issue of interference from and to BPL. "BPL won't survive unless that fundamental problem is solved soon," Rinaldo asserted. Rinaldo also took part in a Power Line Communications Association (PLCA) Strategic Summit and Business Briefing in late October in the DC area. His presentation concluded, among other things, that best practice for the BPL industry would be to avoid Amateur Radio spectrum at the equipment design level. A few days earlier, Rinaldo had represented the League at a meeting of the National Association of Regulatory Utilities Commissioners (NARUC) Broadband over Power Lines Task Force.



Merry Christmas
Happy New Year



Questions for Technician Class License

1. (T1C10) To what distance limit may Technician class licensees communicate?
 - A. Up to 200 miles
 - B. There is no distance limit
 - C. Only to line of sight contacts distances
 - D. Only to contacts inside the USA
2. (T2B01) What are the frequency limits of the 80-meter band in ITU Region 2 for Technician class licensees who have passed a Morse code exam?
 - A. 3500 - 4000 kHz
 - B. 3675 - 3725 kHz
 - C. 7100 - 7150 kHz
 - D. 7000 - 7300 kHz
3. (T4A02) When may you operate your amateur station somewhere in the US besides the address listed on your license?
 - A. Only during times of emergency
 - B. Only after giving proper notice to the FCC
 - C. During an emergency or an FCC-approved emergency practice
 - D. Whenever you want to
4. (T5C01) If you answer someone on the air and then complete your communication without giving your call sign, what type of communication have you just conducted?
 - A. Test transmission
 - B. Tactical signal
 - C. Packet communication
 - D. Unidentified communication
5. (T7C01) Which of the following lists include three good electrical conductors?
 - A. Copper, gold, mica
 - B. Gold, silver, wood
 - C. Gold, silver, aluminum
 - D. Copper, aluminum, paper
6. (T8D03) What would be the length, to the nearest inch, of a half-wavelength dipole antenna that is resonant at 147 MHz?
 - A. 19 inches
 - B. 37 inches
 - C. 55 inches
 - D. 74 inches
7. (T8F12) At what line impedance do most RF watt meters usually operate?
 - A. 25 ohms
 - B. 50 ohms
 - C. 100 ohms
 - D. 300 ohms

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PROVIDENCE, UT 84332**



December, 2004

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