



THE OHM TOWN NEWS

Voice of the Bridgerland Amateur Radio Club

November 2008

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

HAM PROFILE

by Brent Carruth KE7QHP
Christopher Duvall, KE7QHO

Gentle reader, what are your first recollections of the science and art of amateur radio? Perhaps some of them were the technical aspects such as diodes for rectification, triodes for amplification, variable frequency oscillators, amplitude modulation and detection or radiation resistance, dipoles, gamma match, antenna traps; some may have been equipment such as oscilloscopes, spectrum analyzers, signal generators, frequency counters, volt-ohm meters, directional wattmeters; others may have been regulation aspects such as reciprocal operating authority, third-party communications, secondary amateur allocation, tactical call signs. Somewhat tangentially, perhaps some had olfactory aspects such as a vacuum tube receiver warming up, solder resin wafting through the air, or that galvanized steel tower supporting your inverted-vee antenna; or auditory aspects such as a Morse code keyer clicking away under a skillful hand, or being in grandpa's ham radio shack listening to a DX contact from half-way around the world.

Whatever those first recollections were, they drew your attention and pulled you in the direction of obtaining your first amateur radio license. Maybe you wanted to become an amateur radio operator at a very young age and were successful in doing so or maybe you had to wait a few years or even many years. On this note, I invite you to join with me in counting the number of licensed amateur radio operators whom you know under twenty years of age living in Cache Valley. I know of ten. Perhaps you know of ten or fifteen or more. I have pulled from the FCC amateur radio licensee database for the 20 Zip code areas in Cache Valley (that I know of) and found some 600 call signs with fewer than this number of licensees. If you imagine what it is like to study and learn for the first time those aspects (and many others) of amateur radio upon which you have been reminiscing, then I am sure you

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President's Message

Club meeting

Our main agenda for club meeting this month is the election of the 2009 club officers. This year we are lucky to have so many capable and willing candidates running for many of the club offices. It is a pleasant change from last year. Please take a moment to write in your vote and hand it to a board member or mail it in if you will not be able to attend club meeting on the 15th of November. BARC needs helping hands from all of its members. We have many areas of ham involvement within and without the club that could go from good to great with a little time on your part. Please come to the club meeting for more information.

Christmas Party

This year for the BARC Christmas Party we will be back at the Blue Bird restaurant in downtown Logan on Wednesday December 3rd at 6:30 PM. They treated us well the previous two years before last year and have a room that is the right size to accommodate all of us and the buffet dinner. Once again we will be having the prime rib dinner buffet with their special Blue Bird chicken, a salad bar, soda and a dessert. The cost is only up a couple of dollars despite the rising food costs. We are currently looking at 17.00 per plate which includes a door prize ticket. Please purchase your dinner ticket by November 23rd. That week is short with the Thanksgiving holiday and doesn't give us much time to get the final count and menu in. It is also a convenient time to get a jump on your 2009 club dues. Please see page 7 for the form.



Note: Due to the Races meeting that is being held on Saturday November 8, the BARC Club meeting has been delayed 1 week and will be held on the 15th of November at 10:00 A.M. in its usual place at the Cache County Sheriffs Complex.

UPCOMING ACTIVITIES 2008

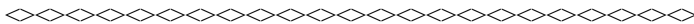
November Club Meeting - **Nov 15**
Elections of 2009 Officers

December Club Meeting - Dec 3
Club Christmas Party at the Bluebird in Logan

January Club Meeting - Jan 10

BARC Club Meetings are normally on the 2nd 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.



ARRL Rocky Mountain Division update -- November 2008
Division website: www.RockyMountainDivision.org

Our next monthly Rocky Mountain Division HF net will occur next week to disseminate information and give us a chance to meet you and your ideas in QSO. Here are the details:

DATE: Wednesday, November 12
TIME: 6:30 PM MST (see note below)
FREQ: 939 kHz +/-

(Note on time: The New Mexico Roadrunner net occurs on this frequency and is usually finished by 6:30pm MST. In the event that it's still in progress at that time, we'll begin the Division net immediately afterwards.)

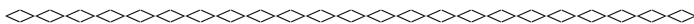
The time for this net is nestled in an "open time slot" after the New Mexico Roadrunner Traffic and Wyoming Cowboy nets and before the Colorado Columbine net (to take advantage of the fact that many people are in their shacks already). There may be some fine tuning in terms of frequency and time for future monthly nets; any such changes will be communicated via a future Division-wide email and the Division website.

==Free Webinar this Saturday: HF Operations for the New Ham==
The ARRL Atlantic Division invites hams in the Rocky Mountain Division to participate in a FREE webinar. The topic of this webinar is "HF Operations for the New Ham". Bill Dobson N3WD, who has given this talk to a number of hamfests around the Atlantic division, will be giving this online presentation. There will be a question and answer period after the presentation. (If you're an experienced HF operator, but know of a new ham who can benefit from this online presentation, please pass the word to him/her ASAP. Thanks!)

The webinar will take place THIS Saturday, November 8 from 8:30 AM until Noon MST. All you need is a computer with speakers to participate in this online meeting. To watch this webinar on Saturday, be sure to register NOW at <https://www1.gotomeeting.com/register/443568482>

= 2008 Field Day -- Thank You to all who Participated =
The results are out! A big thank you and congratulations go out to the 98 clubs, groups, and individuals who participated in this year's event from within the Rocky Mountain Division.

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

Club Officers

President

Jacob Anawalt KD7YKO
president@barconline.org
(435)753-9033

Vice President

Cordell Smart KE7IK
vice-president@barconline.org

Secretary

Tammy Stevens N7YTO
secretary@barconline.org
(435)753-2644

Treasurer

Kevin Reeve N7RXE
treasurer@barconline.org
(435)753-1645

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(Ham Profile Continued from page 1)

would agree, these youth operators in the valley are a very select group.

One young operator is Christopher Duvall KE7QHO, of Hyrum and a student at South Cache Center. He is unique in that no one else is known to have an amateur radio license at his school. He obtained his license in December 2007 at the conclusion of the ham radio class taught by Kevin Reeve N7RXE with the assistance of Ted McArthur AC7II and Tyler Griffiths N7UWX with intriguing demonstrations of applications of ham radio, especially APRS which was very interesting to him. Accompanying him to this class was his grandfather Vern Harris W7GGM, of Providence. Christopher likes algebra, electronics and science and finds these topics to be very easy which is how he got started in amateur radio. His strategy for passing the Technician Class license exam with a high score was to read most of the manual and to take lots of practice exams at his Grandpa's home. After passing this exam he then took the General Class exam and nearly earned a passing score. He checks into the Logan Storehouse ERC net twice monthly which helps him to get used to talking to others on the radio. He likes to answer the question that Bob Humphery's asks at the beginning of the net.



Christopher's radio is a 2-meter Kenwood FT-2800 with 5, 10, 25 and 65 watt power level settings of which he usually uses either 10 or 25 watts. He has a one and one-half foot vertical antenna with a ground plane on his roof and a coax cable through his window into his room which is his "ham shack." He has built his own antennas with his grandpa and was able to gain experience in a few basics of electronic technology areas such as: soldering electronic components and preparing and soldering electronic wiring.

Christopher has been working with a local company, Bear Mountain Scientific, and was trained on a new system that provides electronic stimulation to plants and trees to greatly enhance their growth rates.

Christopher loves to read. He is also just finishing up his Eagle Scout award. He enjoys playing the trumpet in the 130 member marching band at Mountain Crest High School. They perform at all football games and in Utah parades and will perform for a national competition in Las Vegas in fall 2008.

(ARRL Rocky Mountain Division update Continued from page 2)

Members may view 2008 Field Day scores on the ARRL website by visiting http://www.arrl.org/members-only/contests/scores.html?con_id=155. There you can sort and filter the information to show results only within the division or your own section. Results will also be available in the December issue of QST magazine.



If you, your club or your group hasn't done so already, please post your experience, tips and pictures to the 2008 Field Day soapbox: http://www.arrl.org/contests/soapbox/?con_id=155

Mark your calendars for next year's Field Day: June 27-28, 2009. It's never too early to evaluate your preparation and effort from this year and begin planning for next year!

== Rocky Mountain Division Awards -- Call for Nominations ==

There are many hams within our great Division who deserve to be recognized for their achievements -- and we'd like to honor them. The following annual awards are now being offered by the Division:

- Rocky Mountain Division Ham of the Year Award
- Rocky Mountain Division Young Ham of the Year Award
- Rocky Mountain Division Technical Achievement Award

Complete details, rules and a nomination form can be found on the Division website www.RockyMountainDivision.org. Awards will be announced and presented at the Rocky Mountain Division Convention immediately following the close of nominations.

==== Upcoming hamfests, tailgates & conventions =====

- January 17 NCARC Winter Superfest (Fort Collins, CO)
- January 31 Albuquerque Winter Tailgate Swapfest (Albuquerque, NM)
- February 8 Aurora Repeater Association Swapfest (Brighton, CO)
- April 25 Utah ARRL State Convention (South Ogden, UT)
- May 22-24 Wyoming ARRL State Convention (Casper, WY)
- May 29-31 2009 Rocky Mountain Division Convention (Estes Park, CO)

Links to websites belonging to the above events are found on the Rocky Mountain Division site: www.RockyMountainDivision.org

==== Upcoming on-air activities =====

In addition to chewing the rag with fellow hams, here are some additional on-air activities which await you on the airwaves.

Upcoming special event stations:

<http://www.arrl.org/contests/spev.html>

Upcoming contests: <http://www.arrl.org/contests/calendar.html>

Operating awards: <http://www.arrl.org/awards/>

==== Final note... =====

Please touch base with your Section Manager if he can be of assistance to you:

Jeff Ryan K0RM (Colorado): <http://www.arrl.org/sections/?sect=CO>

Don Wood W5FHA (New Mexico): <http://www.arrl.org/sections/?sect=NM>

Mel Parkes NM7P (Utah): <http://www.arrl.org/sections/?sect=UT>

LeeAnne Allen WY7DTW (Wyoming): <http://www.arrl.org/sections/?sect=WY>

ARRL Rocky Mountain Division

Director: Brian Milesoshosky, N5ZGT

n5zgt@arrl.org

Proxy (Absentee) Ballot and List of Candidates

For year 2009 Officers and Board
Of the Bridgerland Amateur Radio Club

Voting held on Saturday November 15th, 2008 at 10:00 A.M.
On the 3rd floor in the Cache County Sheriffs Complex on
200 North and 1225 West, Logan, Utah

Important Instructions: *If you are unable to attend the above meeting and wish to vote you may mail this ballot to any club officer in time to be in their hands before the meeting time noted above, or, you may seal the ballot in an envelope and send it with someone to be handed to a club officer at the meeting. If you need help, please contact any club officer.*

You need to be a current member of BARC to vote

For President	
• Cordell Smart KE7IK	
• Jacob Anawalt KD7YKO	
For Vice President	
• Tyler Griffiths N7UWX	
• Cordell Smart KE7IK	
For Secretary	
• Tammy Stevens N7YTO	
•	
For Treasurer	
• Kevin Reeve N7RXE	
•	
For members of the board (Vote for two)	
• Tyler Griffiths N7UWX	
• Brandon Preslar KE7QHU	
• Neil Dabb KC7GCL	
• Roger Ellis KE7HTE	
• Ted McArthur AC7II	
• Dave Fullmer N7RRZ	

*You **MUST** get approval from a write-in candidate before submitting their name for office. Additional nominations will be accepted from the floor at the meeting, with the approval of the nominee. Ballot can be mailed to BARC P.O. Box 111 Providence Utah 84332. It must reach the post office box by November 14th. Send in your ballot or come in person.
If mailed please put your name on the mailing envelope only.*

BYLAWS
BRIDGERLAND AMATEUR RADIO CLUB, INC

Article I – NAME

Section 1. The name of this organization shall be THE BRIDGERLAND RADIO CLUB, INC.

Article II – PURPOSE

Section 1. The purpose of this organization shall be to unite radio amateurs in fellowship, to aid those not licensed in learning code and theory, and to provide service to the community especially in times of emergency.

Article III – MEMBERSHIP

Section 1. All persons having a bonafide interest in amateur radio, whether licensed or not, shall be eligible for membership.

Section 2. Application for membership shall be submitted to a club Officer. A member charged with conduct unbecoming a member of this Club may be expelled by a (2/3) majority vote of the members if the Board of Directors (Board) has found the charges are sustained by its investigations. An expelled member may not reapply for membership unless approved by the Board.

Section 3. A member shall be defined as one who has submitted an application for membership and paid the appropriate dues.

Article IV – OFFICERS AND BOARD

Section 1. There shall be a Board of Directors which shall consist of the Officers, the immediate past President and two at large Board Members.

Section 2. The Officers of the club shall be: President, Vice-President, Secretary, and Treasurer.

Section 3. All Officers and Board members shall be members of the club in good standing.

Section 4. Any person elected to the office of President shall have served at least one year as Officer or Board member of the club, whether before or after incorporation.

Section 5. The immediate past president shall serve the subsequent year as a member of the Board.

Section 6. Committee chairpersons of the various

committees required shall be appointed by the Board. Additional members of said committees shall be appointed by the committee chairperson.

Article V – ELECTIONS

Section 1. The Officers and Board members of the club shall be elected for the term of one (1) year and until such time as their successors shall have been elected and take office. Newly elected Officers and Board members shall take office the first day of January of the next year.

Section 2. The President shall appoint a nominating committee of three (3) members, at least one (1) of whom shall be a member of the Board. They will present their list of nominations by notification as specified in Article XII Section 6.

Section 3. Election of Officers and Board members shall be held at the November Club meeting. Nominations will be accepted from the floor. Those receiving the largest number of votes shall be elected.

Section 4. Vacancies occurring between elections must be filled by a special election at a general meeting after which the withdrawal or resignation is made known. Nominations for replacement shall be made by the Board. Nominations shall also be accepted from the floor. Voting shall be conducted per Article XII and the person receiving the largest number of votes will be the new Officer. The newly elected Officer shall take office immediately.

Section 5. Officers and Board members may be removed by a petition signed by at least ten (10) members and upheld by a ¾ majority vote.

Article VI – DUTIES OF THE BOARD AND OFFICERS

Section 1. The Board shall be the governing body of the Club and as such shall formulate and be responsible for all matters of policy. Decisions of the Board shall be reached upon majority vote; and thereupon the President shall execute the decisions so made or the policies so formed.

Section 2. The newly elected President shall call an organizational meeting of the old and new Officers and Board members within 30 days of the election meeting.

Section 3. The President shall preside at all meetings of this Club; shall enforce due observance of the by-laws; shall decide all questions of order; shall sign all official documents that are adopted by the Club; and shall perform all customary duties pertaining to the office of President.

Section 4. The Vice-President shall possess all the powers and assume all duties of the President in the event of the

absence, disability, refusal, or failure to act, of the President. The Vice-President shall further assist the President in all functions of that office and shall perform such other duties as are properly assigned by the Board.

Section 5. The Secretary shall countersign all deeds, leases, and conveyances executed by the corporation; shall keep a record of all proceedings of all meetings; keep a roll of members and the current status of these members; shall keep a roll of members present at meetings; accept applications for membership; keep a copy of the Articles of Incorporation and By-laws present at all meetings; carry on all correspondence; read communications received at each regular meeting, and give notice of all meetings.

Section 6. The Treasurer shall receive and disburse all club funds, including dues from members; shall keep an accurate record of all such transactions; and shall give a financial report to the Board and members upon request.

Article VII – MEETINGS

Section 1. There shall be a general Club meeting held monthly. This meeting schedule may be changed, subject to a decision by the Board.

Section 2. Special meetings of the members may be called at any time by the President, provided the entire Club membership is notified in writing of such special meeting ten (10) days prior to the meeting. Notification may be done per Article XII, Section 6. The President shall be required to call a special meeting upon receipt of a written request signed by ten (10) or more members.

Section 3. The Board shall meet in a general or special meeting in order to transact business. The Board shall normally meet once a month. All meetings of the Board shall require ten (10) days notice to the Board members.

Section 4. All meetings of the Board shall be open to all Club members.

Article VIII – DUES

Section 1. The annual dues will be recommended by the Board and approved by the members. The dues year shall be January 1 to December 31. Pro-rated dues will only apply to new licensees or those new in the area. The Board has the authority to accept dues paid from any valuable consideration.

Article IX – AMENDMENTS

Section 1. The by-laws may be amended by a two-thirds (2/3) majority vote at a general meeting, providing that

members shall have been notified per Article XII, Section 6. Proposals for amendments shall be submitted in writing to a Club Officer.

Article X – RULES

Section 1. Roberts's rules of Order shall govern all proceedings of this Club.

Article XI – BUDGET AND REPORTING

Section 1. The Board shall give an annual report to the members on the activities of the Club with a financial report including the receipt and disbursement of Club funds. The Board shall present an annual budget after receiving input from committee members and members at large. The members shall vote upon said budget within the guidelines of said budget. A vote of the members will not have to be given again unless the budget is changed materially or exceeded in total.

Article XII – VOTING

Section 1. Only members in good standing shall be entitled to vote.

Section 2. All voting shall be by majority vote of the members present, unless specially stated otherwise in these articles.

Section 3. Voting for the election of the Board and Officers; expulsion of a member; Board member or Officer; adoption or amendments of the By-laws; approval of the annual budget and dues; and other issues as designated by the Board shall be conducted as stated below in Section 4 through 6.

Section 4. Voting on matters specified in Section 3 of this Article shall be by secret ballot of members in attendance and by members Proxies.

Section 5. A Proxy shall be included with the notification as specified in Section 6 below. Proxies may be given to a Club Officer or any other member by mail or in person. Proxies may be specific or general. The form of the proxies, ballots and balloting procedures shall be determined by the Board.

Section 6. Notification to members of the subject matter of any vote to be taken shall be by publication in the OHM TOWN NEWS the issue prior to the meeting in which the voting is to be done. The notification shall include the time, date and place of the meeting in which the vote will be taken. The notification shall be mailed no later than ten (10) days prior to the scheduled meeting date.

Membership in The Bridgerland Amateur Radio Club, Inc. is open to anyone interested in Amateur Radio. You do not need an amateur license to join. Learn more online at <http://www.baronline.org/> or by emailing membership@baronline.org.

The Bridgerland Amateur Radio Club provides the following to its members:

- A repeater system that covers northern Utah from Bear Lake to Salt Lake Valley.
- An opportunity to meet and learn from other amateur operators. (Club meetings are held the second Saturday each month from October to May.)
- Events where you can practice your radio skills in a fun learning environment.
- Social activities where members can make friends and interact with other members.



Your tax deductible membership fees maintain the repeaters and support club activities.

The Bridgerland Amateur Radio Club, Inc.
Application for the Year 2009 Membership
Dues are in effect January 1, 2009 through December 31, 2009

Name _____ Call Sign _____ Date Paid _____

P.O. Box _____ Street Address _____

City _____ State _____ Zip Code _____

Home Phone () _____ Work Phone () _____

E-mail _____

Individual Membership - \$25 \$ _____

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

Equipment Donation \$ _____

(One Newsletter per household)

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

Name _____ Call Sign _____

Name _____ Call Sign _____

Name _____ Call Sign _____



Mail your completed form and a check to: B.A.R.C., P.O. Box 111, Providence, UT 84332-0111
 or pay online at <http://www.baronline.org/?q=node/242>

B.A.R.C. is a non-profit organization

Questions for General Class License

1. (G1A03) On which of the following bands is image transmission prohibited?
 - A. 160 meters
 - B. 30 meters
 - C. 20 meters
 - D. 12 meters
2. (G1E03) What kind of amateur station simultaneously retransmits the signals of other stations on another channel?
 - A. Repeater Station
 - B. Beacon Station
 - C. Telecommand Station
 - D. Relay Station
3. (G2D09) What information is traditionally contained in a station log?
 - A. Date and time of contact
 - B. Band and/or frequency of the contact
 - C. Call sign of station contacted and the signal report given
 - D. All of these choices are correct
4. (G3B10) What is the maximum distance along the Earth's surface that is normally covered in one hop using the E region?
 - A. 180 miles
 - B. 1,200 miles
 - C. 2,500 miles
 - D. 12,000 miles
5. (G4D10) Which of these connector types is commonly used for audio signals in amateur radio stations?
 - A. PL-259
 - B. BNC
 - C. RCA Phono
 - D. Type N
6. (G6A05) Which of the following is one effect of lead inductance in a capacitor used at VHF and above?
 - A. Effective capacitance may be reduced
 - B. Voltage rating may be reduced
 - C. ESR may be reduced
 - D. The polarity of the capacitor might become reversed
7. (G7B12) Which of the following is an advantage of a Class C amplifier?
 - A. High efficiency
 - B. Linear operation
 - C. No need for tuned circuits
 - D. All of these answers are correct

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November, 2008

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