

THE OHM TOWN NEWS

Voice of the Bridgerland Amateur Radio Club

November 2004

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

Presidents Message

It was good to see many of you at the October club meeting on solar power. Jim Brown did a fantastic job sharing his experience and expertise on solar power and necessary equipment and regulations.

Tammy Stevens N7YTO our Vice President showed a few new designs for the club shirts. Members voted on it, and it appears we have two similar designs that are popular with club members. We are working on combining the best of both based on feedback. Thanks to Tammy for doing this. We will be looking for an embroidered design on a nice polo type shirt. Now to the hard part, picking the colors. I have never been good at that. Thank goodness for the ladies in the club.

The Christmas Party is all set for December. It will



be out in Paradise again. Please RSVP and pay by December 1st. We will have a couple of great prizes. But expect something a bit difference. Menu and more details are listed elsewhere in the newsletter.

On the 15th and 16th we went camping with Troop 1 to finish of the radio merit badge and participate in

JOTA. You should of seen the kids faces when we made contact with Germany and Alaska. They all got excited. Perhaps some future hams. All in all BARC has helped about 35 boys earn their radio merit badge this year. Perhaps others have helped boys in their local area as well. What a great experience it is to get youth involved in the hobby. Thanks to all those who gave of their time to help with these efforts.

November is our club elections. As you will see from the ballot many of those currently serving are willing to serve for another term. This is fantastic. We have some great things going and look forward to

(Continued on page 2)

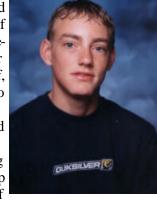
Ham Profile

by Boyd Humpherys W7MOY

Why don't we meet one of our newest hams in the valley? We'll do that, in fact he took the exam on the 28th. of Sept. That's about as new as we can get at the moment. Kevin Troy Blau, a resident of Cove, a 16 year old Junior attending Sky View, passed the test and came up with a KE7BVQ call. Guess who the proud

button popping grand dad is who elmered him along and kept him mesmerized in a lot of visits to the depths of the basement ham shack? None other than the ole DX hound himself. Doug Hendricks W7LRV, who resides just two houses away. Now who could resist that kind of influence?

Kevin, being a self starting Skyview Bob Cat, picked up one of the current editions of



"Now you're talking", digested its contents and promptly passed BARCs exam session to earn the new license. You can do it guys.

He sports an ICOM 2 meter HT, a Ringo Ranger and 4 element beam which are waiting good weather to get hoisted to the roof. He has submitted his construction plans to the Castle Engineering Firm by the name of "MOM, Inc". It appears there is some sort of hangup due to technical details, liability, and some vague wording called "No you can't run all those wires through the basement window". It is thought that these issues will be resolved shortly, otherwise his home OTH trademark will go un-noticed.

He has worked summers for Doug on the farm, hot tiring labor, but the regular breaks for a can of root beer and checking the skip on 20 meters, made life bearable. He now is employed at Pizza Villa in Richmond and for a reasonable price will stack enough stuff on your favorite Pizza to make your eyes pop.

(Continued on page 4)

Club Officers

President

Kevin Reeve N7RXE n7rxe@arrl.net (435)753-1645

Vice President

Tammy Stevens N7YTO (435)753-2644

Secretary

Julie Dabb KC7RPP (435)797-6724

Treasurer

Dave Fullmer N7RRZ Webmaster@spectradesign.com (435)753-2685

Board Members

Rick Stallings N7XZ n7xz@xmission.net (435)750-5578

Ted McArthur AC7II ac7ii@comcast.net (435)245-4904

Tom Baldwin KD7TRN tomb@cachecomm.com (435)232-6699

Newsletter Editor

Dale Cox KB7UPW dbclfc@mtwest.net (435)563-3836

Web Page Editor

Kevin Reeve N7RXE n7rxe@arrl.net (435)753-1645

Events Calendar

November Club Meeting: November 13th 2004 10 AM November club meeting will be elections plus a chance to check on autodial slots and repeater info. Also a chance to show off home brew and kits that have been built. It will be at our new meeting location at the Cache County Sheriffs Complex on 200 North and 1225 West.

December Club Meeting: December 9 Club Christmas Party

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



The party with 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 1st. Menu includes prime rib

and chicken paprika (enough so everyone can have some of both), seafood salad,



green salad, augratin 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.



(Presidents Message Continued from page 1)

another great year in 2005. Along with the ballot (available at club meeting) will be a questionnaire about the club. We are looking for input for future years. What should the club be doing? What are your interests?

>>>>>>>>>>>

The repeater committee will be on hand at the November meeting to work with members on their autodial slots, and training. They are also working on a proposal to get the 147.20 repeater up onto a mountain site and some neat ideas. I think you will like what they have in mind. They will bring the final proposal to the club when they are ready. Some details and costs to still work out, but I like the ideas they have shared with me so far.

Some of our efforts next year should include the recruitment and training of new club members. An organization keeps it's vitality by the excitement and energy of new members. Seeing by the great numbers who are willing to run for club office, it is apparent that we need some new members for future leadership rolls. See ya at club meetings or on the air. 73.

Election Ballot

2005 club officers

For President	
Kevin Reeve N7RXE	
•	
For Vice President	
Tammy Stevens N7YTO	
•	
For Secretary	
Julie Dabb KC7RPP	
•	
	<u> </u>
For Treasurer	
Dave Fullmer N7RRZ	
•	
For members of the board (Vote for 3)	
Tom Baldwin KD7TRN	
Ken Buist KC7QES	
Erik Larson KD7YKQ	
Ted McArthur AC7II	
•	
Club Survey	
What day of the week should we hold club meetings	
Should the club focus more on emergency communications	
What topics should be covered at club meetings	
Circle the following activities that you feel are important for the club to	o support
Field Day JOTA Emergency Communications Top of Utah	LOTOJA Club Picnics on nets etwork

Mailed ballot must reach the post office box by November 13th. Elections are held at club meeting. Send in your ballot, come in person, or mail it to BARC P.O. Box 111 Providence Utah 84332 If mailed please put your name on the mailing envelope only. Must be a member of BARC to vote.

(Ham Profile Continued from page 1)

He shares the breakfast table with Dad, also named Kevin, Mom Nanci, sister Stacy 18, Leslie 8, brothers Kelly 20 and Jason 9. An older sister Heidi is married and doesn't have to put up with Kevin's ideas for a 100' tower in the back yard.

When asked what he did for hobbies, other than Ham Radio, he indicated a liking for pheasant hunting, fishing at Island park, and deer hunting with friends. When asked the 64 dollar question about whether he had a girl friend, he replied with a rather firm--No. I should have put him under oath on that one. He drives

a neat little red convertible. Now what would any self respecting Junior at Sky View (also a new ham), do with a red convertible and no girl friend?

He is also involved with a ruffian group of Cache Valley High School individuals in a hockey team by the name of "Cache Valley Wild". They practice regularly at the local ice arena and play some tournament games with Ogden, SLC, Bountiful, & South Jordan teams. He was telling me the costs of some of the Hockey equipment such as skates, shin guards, pants, helmets, & hockey sticks, etc. Now Kevin, you need to understand that for the price of all that stuff you put on to keep from getting killed, you could outfit the ham shack with a

He indicated he might like to play for the USU team eventually. I inquired as to what he might have his eyes set on when he gets involved in University studies. He paused with a bit of reflection and said--"I believe I would like to get involved in explosives"------Look out Doug, I think he would like to take down your barn!!!!!!!!!

Welcome to the fraternity Kevin, get involved with all the activities and meet the motley crew. 73s.

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

October Club Meeting

Our October Club Meeting featured Jim Brown NA7G. Jim made a fantastic presentation on Solar Power. He showed slides of equipment, and showcased his cabin near Lava Hot Springs. Jim's cabin has a 1.8 KW solar system Jim designed and installed. Jim shared his knowledge of equipment, installation procedures, electrical codes, and safety. It was a fantastic event. The interest on solar power is high in the club. We will probably have more club meetings on

this.

Tammy Stevens N7YTO, the club Vice President shared several new club logos she has been working on with the LogoShop in town. Members voted on designs

and there were a couple of clear winners. Tammy is working on finalizing the design and picking the colors.

Beanie Lofthouse talked about the Christmas Party. The party with be on Thursday evening December 9h 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 by December 1st. Menu includes of prime rib and chicken paprika (enough so everyone can have some of both), seafood salad, green salad, augratin 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.

The ARRL Letter Vol. 23, No. 41 October 15, 2004 ==>FCC ADOPTS NEW BPL RULES, ACKNOWL-EDGES ITS INTERFERENCE POTENTIAL

As expected, the FCC this week adopted revised Part 15 (unlicensed services) rules to specifically regulate broadband over power line (BPL) systems. Meeting October 14 in open session, the Commission adopted a Report and Order in ET Docket 04-37. In comments

(Continued on page 7)

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 be 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.

(Continued from page 4)

before voting, three members of the Commission, including Chairman Michael Powell, specifically cited the concerns of Amateur Radio operators and expressed either assurances or hope that the new BPL rules will adequately address interference to licensed services. Republican FCC Commissioner Kevin Martin mentioned Amateur Radio's and broadcasters' interference concerns in a written statement, ARRL President Jim Haynie, W5JBP, said he was encouraged to see the Commission acknowledge interference to amateurs as a genuine issue in the proceeding. "What the League has done in the last year and a half on this issue showed in the Commission's public meeting today," Haynie said Thursday. He cited the FCC's approval of three major points that the League had been pushing for: Certification of BPL equipment instead of verification, a requirement for a public BPL database—something the BPL industry did not want—and mechanisms to deal swiftly with interference complaints. Haynie conceded, however, that the devil is in the details of the R&O, which likely will not be made public for at least a few weeks. Anh Wride of the FCC Office of Engineering and Technology (OET), acknowledged that Access BPL devices "pose a somewhat higher potential for interference to licensed radio services than typical Part 15 devices." But, Wride continued, "we believe the specific benefits of BPL warrant acceptance of a small degree of additional risk, and that this interference potential can be satisfactorily managed." Commissioner Michael Copps, a Democrat, said he remains concerned about interference to Amateur Radio users. "I take the concerns of this community very seriously and believe that the FCC has an obligation to work hard to monitor, investigate and take quick action, where appropriate, to resolve harmful interference." Copps said if interference occurs, "we must have a system in place to resolve it immediately," and he expressed the hope that the new rules would include such "rapid turnaround" provisions. Copps, who dissented in part with the R&O, raised the question of whether utility ratepayers should have to "subsidize an electric power company's foray into broadband." The Commission's other Democrat, Jonathan Adelstein, said the interference question made the proceeding a challenging one because it had to accommodate concerns raised by Public Safety licensees, federal government users and Amateur Radio operators. "These are important services that we need to protect from harmful interference," Adelstein said. Adelstein also said that while it's clear that some BPL systems can coexist with existing licensees, others "haven't fared so well." He said those systems shouldn't be deployed commercially until it's assured that they won't cause harmful interference. Commissioner Kathleen Abernathy, a Republican, said the FCC had to "make some hard compromises" to deal with questions about interference. But she expressed confidence in "technical solutions." Chairman Powell called it "a banner day" for communications in the US because, he said, BPL promises "ubiquitous service to all Americans at affordable rates." The chairman, a Republican, conceded that BPL will affect some spectrum users-including "all those wonderful Amateur Radio operators out there." Powell said the FCC

has taken Amateur Radio interference concerns seriously from the start and has put protections in place "to allow that service to continue." At the same time, Powell implied that the FCC must balance the benefits of BPL against the relative value of other licensed services. Powell said BPL's potential for the US economy "is too great, too enormous, too potentially groundbreaking to sit idly by and allow any claim or any possible speculative fear" keep the Commission from promoting adoption of BPL technology. ARRL CEO David Sumner,

K1ZZ, suggested that Powell was overstating the necessity of yet another broadband pipeline. "It's astonishing to me that the chairman of the FCC can talk about needing a 'third way' to provide broadband to consumers when multiple technologies already are available, including wireless broadband," he said. The United Power Line Council (UPLC) applauded the FCC's action, saying the new rules should encourage BPL deployment while protecting licensed services from harmful interference. "We didn't get everything we wanted," said UPLC President and CEO William R. Moroney, who called the R&O "the result of close cooperation and compromise" with the National Telecommunications and Information Administration (NTIA) to address its concerns about potential interference. For more information on BPL, visit the "Broadband Over Power Line (BPL) and Amateur Radio" page on the ARRL Web site http://www. arrl.org/bpl>.

The ARRL Letter Vol. 23, No. 42 October 22, 2004

Amateurs support hospital communications during telecommunications outage: When construction equipment accidentally severed two telecommunications trunk lines serving Tustin Hospital and Medical Center (THMC) in California on October 6, the hospital knew just whom to call. Members of the Orange County Hospital Disaster Support Communication System (HDSCS) responded promptly to fill in, as the 177-bed facility suddenly found itself without telephone, e-mail, fax, fire alarms or paging service. The initial seven HDSCS responders eventually grew to two dozen over the course of the 16-hour outage that began in the late afternoon and continued until the following morning. April Moell, WA6OPS, and two other fixed-stations handled incoming and outgoing telephone calls on behalf of THMC. Message traffic began to flow as soon as HDSCS operators got to their assigned stations, and hospital staffers reestablished links with patients' physicians on the outside. "Although we have participated in numerous drills at THMC in the past, some newer employees were unfamiliar with Amateur Radio's capability," said Moell, who founded the 80-member ARES group in 1980. "They seemed amazed that HDSCS support has been completely free of cost to them. It's a true community service." HDSCS has agreements to provide backup communication to 34 acute-care medical facilities in Orange County. This month's activation marked the 85th in HDSCS' history for a hospital communication failure and the fifth emergency activation this year.

Questions for Extra Class License

- 1. (E1A03) What exclusive frequency privileges in the 40-meter band are authorized to Amateur Extra class control operators?
- A. 7000-7025 kHz
- B. 7000-7050 kHz
- C. 7025-7050 kHz
- D. 7100-7150 kHz
- 2. (E1C10) Which of the following operating arrangements allow an FCC licensed US citizen to operate in many European countries and alien amateurs from many European countries to operate in the US?
- A. CEPT agreement
- B. IARP agreement
- C. ITU agreement
- D. All of these choices are correct
- 3. (E2A03) What is the period of an amateur satellite?
- A. The point of maximum height of a satellite's orbit
- B. The point of minimum height of a satellite's orbit
- C. The amount of time it takes for a satellite to complete one orbit
- D. The time it takes a satellite to travel from perigee to apogee

- 4. (E3B01) What is transequatorial propagation?
- A. Propagation between two points at approximately the same distance north and south of the magnetic equator
- B. Propagation between two points at approximately the same latitude on the magnetic equator
- C. Propagation between two continents by way of ducts along the magnetic equator
- D. Propagation between two stations at the same latitude
- 5. (E4C25) What degree of selectivity is desirable in the IF section of an FM phone receiver?
- A. 1 kHz
- B. 2.4 kHz
- C. 4.2 kHz
- D. 15 kHz
- 6. (E5E15) What coordinate system can be used to display the phase angle of a circuit containing resistance, inductive and/or capacitive reactance?
- A. Maidenhead grid
- B. National Bureau of Standards
- C. Faraday
- D. Polar

THE OHM TOWN NEWS PO BOX 111 PROVIDENCE, UT 84332



November, 2004

Some Contents...

Presidents Message	1
Ham Profile: Kevin Troy Blau	1
Events Calendar	2
2005 Club Officers Election Ballot	3
Bylaws BARC	5-6
ARRL News	7

