



# THE OHM TOWN NEWS

*Voice of the Bridgerland Amateur Radio Club*

## February 2004

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

### BARC Club Meetings switching to the Second Saturday of each month!!

For more info check out the Events Calendar on page 2

#### HAM PROFILE

by Boyd Humpherys W7MOY

Finding Eric Larsen's home QTH was a lead pipe cinch. Remember the old rule, look for the tell tale antenna(s). In this case there was the copper J pole on the roof and until he mentioned it, I had missed the covert 4 m inverted V from the gable down to terra firma on the South. Pretty shrewd. Eric first got his Novice ticket a few years ago, then up-graded to his present general ticket, KD7YKQ about August. He was involved in field day in 94 and has

his eye on the Jackson Hole scramble possibly this year. He sports an Alinco HT, TM241 for mobile, and a TF430 HF rig.

He calls Hyrum his birthplace, graduated from Mtn. Crest in 93, dabbled a bit in the electronics field, accepted a mission call for his faith and was assigned to the Pittsburgh PA area in 95-97.

Now comes another of those interesting tales from the field. By chance he was assigned a companion who just happened to be a Ham. One of the ingenious projects came from the use of an umbrella, sometimes required in the area. With a little imagination, they fabricated a 2 meter fold up antenna out of the thing and it showed such promise they sent it home to the companion's brother, who with a slight

*(Continued on page 3)*

#### PRESIDENTS MESSAGE

Hey everyone, we are off and running. We have an exciting year planned full of fun, activities, and socializing. I appreciate everyone's support of the upcoming activities. Thanks goes to the board for their willingness to support some new things. We are pleased to announce that club meetings are moving to the second Saturday of the month. I have already heard from hams who have not been able to join us on Thursday evenings. They are excited. I hope this will work, and I realize no day is perfect for everyone, so we will give this a try and see how it goes. We already have the first half of the year planned out. I am excited about what will take place. I hope you will come join us.

You need to know that the club is in good financial shape. Thanks to some generous donations in the past, the club has extra money in the bank. In 2003 we have approximately 73 club members. We have been spending more than we take in, but with the money in the bank we are still doing fine. Thanks to our treasurer Dave Fullmer, N7RRZ, who keeps us financially inline. In February we will vote on this years budget as presented at club meeting. You will notice a contingency fund. Our bylaws state that we must vote on the budget each year. If we need to spend over our budget, we are suppose to vote again. This can take a couple of months. Should we need the money for some unforeseen expense, then we know we have the contingency fund in the budget and can use it without calling another vote. We spend \$600.00

*(Continued on page 3)*

## Events Calendar

### Club Officers

#### *President*

Kevin Reeve N7RXE  
kevree@mdls.usu.edu  
(435)753-1645

#### *Vice President*

Gary Roberts AG1T  
groberts@smithfieldfire.org  
(435)563-9528

#### *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

#### *Newsletter Editor*

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

#### *Web Page Editor*

Kevin Reeve N7RXE  
kevree@mdls.usu.edu  
(435)753-1645

### February Club Meeting

Saturday February 14<sup>th</sup> at 10:00 AM  
Hyde Park City Hall

Our February Club meeting will feature Brian Ulrich N7QAR. He will present on radio direction finding. He will show simple direction finding equipment you can build and techniques used for hunting transmitters.

Saturday February 21<sup>st</sup>  
State Fair Grounds  
VHF Society swap meet

### March

Saturday March 6<sup>th</sup> at 10:00 AM (note: this is a first Saturday)  
At the Hancey Shop 333 North, 100 East Hyde Park  
Behind the house on the North West corner. Three blocks north of the city building

Bob Wood WA7MXZ and Bill Neville WA7KMF, will present on the technical aspects of radio maintenance. We will also be building the low-cost direction finding antennas and attenuators demonstrated in February.

Saturday March 13<sup>th</sup> at 8:00 AM  
VEC exam session @ Utah State University  
More info on the web site

### April

Saturday April 10<sup>th</sup> at 10:00 AM  
Location to be announced later  
Our emergency preparedness club meeting featuring the earthquake lady from the Utah Homeland Security office. You can bet we will be called upon in the event of an earthquake, we should be prepared. I hear she is an exciting speaker.

### May

Saturday May 8<sup>th</sup> at 10:00 AM  
Location to be announced later  
HF & Contesting.  
Presenters are still in the works.

### June

Field Day  
Saturday & Sunday June 26<sup>th</sup> & 27<sup>th</sup>  
We have reserved the USU field camp near the Tony Grove  
Turn off

**Some other events BARC Traditionally has helped with:**  
Cache Classic, Mountain Man Rendezvous, Cache Cruise In,  
LOTOJA, Top of Utah Marathon, JOTA

(Presidents Message Continued from page 1)

each year for rent on the promontory site for the .26 repeater. This provides us a valuable link into the valley from the Wasatch front.

As I was looking over the list of club members I was surprised to see many members who pay dues year after year to support the club and repeater even though their schedules and family life have prevented them from participating in the club meetings and activities. Thank you! I hope you will drop in sometime and say hi. Thank you to all who step forward to help out with our many events. It is exciting for me to be involved with such a wonderful group. I think we get along pretty well.

In this newsletter you will find a calendar of events for the first part of the year. Please Pocket PC or handie talkie, then grab a friend and invite them along.

Finally we have a vacancy in the board. Dave Hancey, KC7CXF has had some changes in his schedule that prevent him from participating on board meeting nights. He has resigned. Please consider running for the open board slot. We will vote on this in March at the club meeting. Ballots in next months newsletter.

73,  
Kevin Reeve N7RXE



## ARRL News

### League Files "A Plan for the Next Decade" with FCC

NEWINGTON, CT, Jan 28, 2004--The ARRL has filed a *Petition for Rule Making* asking the FCC to amend its Part 97 rules to complete the Amateur Service restructuring the Commission began in 1999 but left unfinished. The League wants the FCC to create a new entry-level license, reduce the number of actual license classes to three and drop the Morse code testing requirement for all classes except for Amateur Extra. The ARRL says its petition follows in the footsteps of changes in Article 25 of the international *Radio Regulations* adopted at World Radiocommunication Conference 2003. Among those changes, WRC-03 deleted the Morse testing requirement for amateur applicants seeking HF privileges and left it up to individual countries to determine whether or not they want to mandate Morse testing. While several countries--including Germany, the UK and Australia--already

(Continued on page 5)

(Ham Profile Continued from page 1)

addition came up with a remarkable collapsible 2 meter antenna. Sheer inspiration.

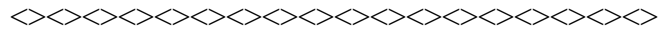
Eric also indicated he knew a bit of Deutsch. He responded immediately to such salutations as *gesundheit*, *achtung*, and *Auch der Lieber Augustin*. Incidentally the BARC board of directors at their next meeting, will be considering adopting the lyrical version of that latter term as the official song of the club. Remember that one? ----"The more we get together, the happier we'll be-----!!" Entirely appropriate.

Eric recalls an incident of interest to you 10 meter fans. Several years ago he had installed a 10 meter dipole under the eaves of his grandparents home, one with aluminum roofing, making a great back plane directing most of the radiation due East. A solid contact with a California station with their beam pointed due West suggested he was working the long path around the globe. One of the great events with HF operation.

Supervisor in the Larsen residence is the former Heather Hunting, who hails from Salt Lake City. She came up to Cache Valley, enrolled at USU and has garnered a BS in math. She also worked a brief period at Convergys where Eric and she learned the techniques of talking to each other. Guess what happened when he popped the question? Eric now is employed at Gecko Software as a computer programmer. I'm glad he knows how to tell those infernal boxes what to do and how to do it. Most of the time, my suggestions to my machine on just where to go don't bring effective results.

They are the parents of three children, Christopher-4, Johnathan-2, and Kairi-4 months. They are bringing the children up with righteous principles. The two oldest are active on FRS, (No batteries) and have developed some good operating habits. Now there is a good one for those who want to influence their kids for good.

The final question, Heather what did you think when you knew Eric had the bug. He had a rather large TS-820 rig at the time. "----- this thing is too big, sell it, either it goes or the PC goes." He wisely updated to a smaller rig, kept the PC and now Heather has a call of KD7ZFQ. An example of sheer genius. Welcome to BARC territory!!



Answers to Questions on Page 6  
1-A, 2-B, 3-A, 4-A, 5-B, 6-B

**Bridgerland Amateur Radio Club**  
**Application for the Year 2004 Membership**  
Dues are in effect January 1, 2004 through December 31, 2004

Log-in # \_\_\_\_\_

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

## Proposed 2004 Budget

<b>Budgeted Income</b>	
Member Dues	\$1,875.00
Equipment Donations	\$0.00
<b>Total Income</b>	<b>\$1,875.00</b>

<b>Budgeted Expenses</b>	
Autopatch Phone Bill	\$0.00
Christmas Party	\$400.00
Club Fees	\$18.00
Equipment	\$150.00
Field Day	\$500.00
Misc. Expense	\$200.00
Newsletter	\$300.00
PO Box	\$25.00
Soc. & Refresh.	\$250.00
Supplies	\$0.00
Promontory Rent	\$600.00
Contingency Fund	\$450.00
<b>Total Expenses</b>	<b>\$2,893.00</b>

I approve budget

I do not approve budget



(ARRL News Continued from page 3)

have dropped their Morse testing requirements, the ARRL emphasized in its petition that Morse code is not the primary issue at hand.

"Changes in Morse telegraphy are one aspect of the proposal, and it would be insufficient for the Commission to address those issues in a vacuum," the League said, calling its licensing proposal "a plan for the next decade." The

ARRL said that plan's overall intention is "to encourage newcomers to the Amateur Service and to encourage those who enter its ranks to proceed further on a course of technical self-training and exposure to all aspects of the avocation."

Last fall various parties filed a total of 14 Morse-related petitions with the FCC. Several called on the Commission to drop the Morse requirement altogether, while others proposed to keep and even expand the requirement or put forth various license restructuring schemes of their own. The petitions, RM-10781-10787 and RM-10805-10811, attracted thousands of comments from the amateur community.

Beyond the Morse question, the ARRL says, the time is right--now that WRC-03 has finished its work--to follow through on the restructuring process the FCC began with its 1999 restructuring *Report and Order* ([WT 98-143](#)). Among other things, that landmark *Order*, which became effective April 15, 2000, reduced the number of Morse code test elements from three to a single 5 WPM requirement for all license classes offering HF privileges.

Although the US has revised amateur licensing requirements several times since 1917, the ARRL pointed out, "there has not been a comprehensive restructuring of both licensing requirement and corresponding operating privileges in many years." The League said the FCC declined to address operating privileges in its 1999 *Report and Order* but put off the job for a later date because it was still constrained by the Morse requirement in the *Radio Regulations*. The ARRL said, however, that the FCC in 1999 "issued an invitation to the amateur community" to complete the work it had begun.

While just dropping the Element 1 (5 WPM) Morse requirement may seem to be a "simple plan," the ARRL said, it fails to address the critical need for an entry-level ticket other than the Technician. The Technician license, the League said, "is for too many a 'dead end' to what might otherwise be an active, progressive interest in Amateur Radio, technical self-training and incentive-based educational progress in the many facets of the

avocation."

The ARRL said its proposed entry-level license--being called "Novice" for now--would establish "a portfolio of operating privileges consistent with an examination that would not include material that is inappropriate or irrelevant at the entry level." It would require passing a 25-question written examination--but no code test--and offer limited HF phone, image, CW and data privileges.

"This structure provides a true, entry-level license with HF and other operating privileges which will both promote growth in the Amateur Service and integrate newcomers into the mainstream of Amateur Radio," the ARRL told the FCC. "It will better introduce newcomers to more seasoned licensees who will assist them."

The League proposal also would consolidate current Technician and General licensees into General class without further examination. Future General applicants would not have to pass a Morse code test, but the written exam would remain the same. Current Advanced licensees would be merged into Amateur Extra class without further testing, and the Extra exam would remain intact.

Advanced licensees already have passed the now-deleted 13 WPM Morse examination. The ARRL proposal would retain the Element 1 Morse exam for Extra class applicants. It also would provide Element 1 credit for anyone who had ever passed at least a 5 WPM Morse test, whether or not they're now licensed.

"The differences between the [Advanced and Extra] license classes are so minimal as to amply justify the one-time upward merger," the League said. While it agreed with the FCC's 1999 assertion that ability to demonstrate increased Morse proficiency "is not necessarily indicative of that individual's ability to contribute to the advancement of the radio art," the League contended that retaining an "extremely minimal" and "rudimentary" 5 WPM Morse requirement for Amateur Radio's top license class is appropriate.

The ARRL said its overall plan dovetails with the FCC philosophy and goals stated in the 1999 *Report and Order*--to simplify the license structure and streamline the licensing process. The League said its plan would implement licensing requirements and privileges that are in harmony with each other and is designed to attract and retain "technically inclined persons, particularly the youth of our country" and encourage them to advance in areas "where the United States needs expertise."

"Now, the issue is not merely whether there should or should not be Morse telegraphy as an examination requirement," the ARRL said, "but rather what is the best overall approach for positioning the Amateur Service for future growth and incentive-based self-training."

## Questions for General Class License

1. (G1E06) If a repeater is causing harmful interference to another repeater and a frequency coordinator has recommended the operation of one station only, who is responsible for resolving the interference?
  - A. The licensee of the unrecommended repeater
  - B. Both repeater licensees
  - C. The licensee of the recommended repeater
  - D. The frequency coordinator
2. (G2A06) Which sideband is commonly used for 17-Meter phone operation?
  - A. Lower
  - B. Upper
  - C. Amplitude compandored
  - D. Double
3. (G2B08) What is another name for a voluntary guideline that guides amateur activities and extends beyond the divisions established by the FCC for using different operating modes within an amateur band?
  - A. A "Band Plan"
  - B. A "Frequency and Solar Cycle Guide"
  - C. The "Knowledgeable Operator's Guide"
  - D. The "Frequency Use Guidebook"
4. (G2F09) As one of several digital codes, what is the benefit of using AMTOR?
  - A. Its error detection and correction properties
  - B. Its data compression properties
  - C. Its store and save properties
  - D. It is a very narrow-bandwidth frequency efficient system
5. (G4D05) What is the output PEP from a transmitter if an oscilloscope measures 500 volts peak-to-peak across a 50-ohm resistor connected to the transmitter output?
  - A. 500 watts
  - B. 625 watts
  - C. 1250 watts
  - D. 2500 watts
6. (G9A02) Approximately how long is the driven element of a Yagi antenna for 14.0 MHz?
  - A. 17 feet
  - B. 33 feet
  - C. 35 feet
  - D. 66 feet

**THE OHM TOWN NEWS  
PO BOX 111  
PROVIDENCE, UT 84332**



***February, 2004***

### ***Some Contents...***

Presidents Message .....	1
Ham Profile: Eric Larsen .....	1
Events Calendar .....	2
Budget Proposal for 2004 .....	4

