



# THE OHM TOWN NEWS

*Voice of the Bridgerland Amateur Radio Club*

March 2000

<http://www.w7ivm.org>

## HAM PROFILE

by Boyd Humpherys W7MOY

Since we have elected a new BARC treasurer in the form of Kathy Brooksby, KD7FXC, we ought to become better acquainted. Kathy and hubby, Scot, KD7FXB as you might glean from the calls took their exams the same day about 7 months ago and received consecutive calls. Nothing quite like family togetherness, hint, hint. Seven months into the world of Amateur Radio with Tech licenses and already some positive experiences.



They have a couple of Yaesu HTs and an inconspicuous J pole, which gets out.

Kathy was born near Mesa, AZ while Scot claims Page, AZ, hanging on the south side of Glen Canyon till fate took him to Phoenix. Both attended Glendale Community College where they met and

## Presidents Message

By Tyler Griffiths  
N7UWX



For this month's club meeting we are going to have a show and tell.

What I would like everybody to do, is bring something that interests them in Ham Radio. Rather it be something they have made (an antenna, QRP rig etc.), a book or your favorite HT, your new Mobil, or a computer program I would like you to bring it along to share it with everyone.

This may be your chance to get some help with that HT or Mobil that you have been having problems with or stir up some interest in a project you have finished or are working on.

This will be a great opportunity for everybody to learn.

Some of the things I would like to see are antennas, Multi band Radios, APRS Trackers, Plans to build a J-pole.

So this is your opportunity to show if off or get some help.

See you and your stuff at club meeting February 9<sup>th</sup> at 7:30

73 de Tyler N7UWX

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decided to be fellow hams later on and live happily ever after. Kathy was employed for at time in Phoenix at Honeywell in the automation area.

They then acquired California Gold rush fever and spent a couple of years in Cupertino where Scot worked for Andor Systems on IBM computer mainframes.

It seems family influence must play a great part in spreading the inclination to get involved in the hobby. She casually remarked that her Father, K7ATT and her brother KT7ZAZ who both now reside in Orem set the stage. Don Ferney, a brother to our own area, Bill Ferney KB7ZNI and Scot's father who got his feet wet way back when CB required a license, also must have planted some

(continued on page 2)

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(Ham profile—continued from page 1)  
sort of idea. No vaccination for this type of thing, it spreads with the wind.

Scot served a mission in the Catania Italy area where he soon learned that Pizza and some of the other good stuff prepared over there doesn't even resemble the US concoctions. He was asked what his favorite Italian menu might be. Well would you guess that egg plant with its numerous variations was numero uno. Over here it seems that this item was considered an inert, off colored, rather odd shaped thing found in the grocery stores that never did warrant much attention. So much for that.

Scot also spent some time in the employment of Word Perfect in Orem, so now all of you can rub elbows with a fellow ham who has rubbed elbows with Bill Gates. Doesn't that overload your hard drive?

Kathy loves to sew and get involved in the myriad's of other home making duties required in the raising of a family. The harmonics consist of Carmen, age 8, William, age 5, and the tailgate as of this date, Jeffrey, age two, who deftly demonstrated that he could stay aboard a roan rocking horse that tried to unseat him.

They both attended field day last year shortly after getting their licenses and got their feet wet with some US contacts, which must have started the adrenaline flowing. They also got involved in LATOJA, which provides a good opportunity to see some good operating conditions, how they may change in a short period of time, and a chance to use the old noggin when needed.

When the flood occurred down in Ogden last year, several club members, including Kathy, readily accepted the request to assist. She spent a good six hour

shift in assistance with communications, and some down to earth clean up help for those who really didn't know where to turn next. She had the opportunity to go door to door, asking what could be done, and relaying requests to those who were organized to get at it in record time. Overall she felt it was a well-organized effort and was happy to participate.

A worthy activity, and we wish the guardian of our funds well in her assignment.

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## “Meet me on simplex...”

The following appeared in the April 1992 issue of the MICROVOLT, the newsletter of the Utah Amateur Radio Club in Salt Lake City. The author is not noted.

## Know the Band plan.

A lot of people will advise you to leave repeaters and operate simplex whenever possible. This is very good advice, especially for QSO's between family members or others who would not welcome other stations breaking in. Such QSO's on a heavily-used club repeater must exclude all the other club members. Simplex is more private and you never have to worry about timing out the repeater. Also, setting up radios and antennas that can work effectively on simplex will give you important capabilities in emergencies when repeaters may not be operating. But before you move to simplex, make sure you know what appropriate simplex frequencies are.

Two meters can sound pretty dead at times, and it would almost seem you could start talking

(Continued on page 3)



**Secretary's Corner:**  
**Nadene KD7BGS**

Tyler Griffiths opened the February BARC Club Meeting. Everyone introduced themselves, with several new members present. It was a good group, and it was great to see everyone out.

Beanie Lofthouse asked for volunteers who would be interested in assisting her with a 4-H Introduction to Ham Radio to be held on March 4. Give her a call if you could help with this activity.

Travis Roberts presented the Repeater Committee Report. Also gave a reminder that February 1<sup>st</sup> is the cut-off date for paying year 2000 dues and repeater privileges.

Cheryl Thurgood circulated a sign-up sheet for the Club T-Shirts. The company who is embroidering the club logo on the shirts can also embroider your call sign. If you would like a club T-Shirt contact her at 563-5201.

Several test sessions were announced. These sessions are posted on the Club Websight: [www.w7ivm.org](http://www.w7ivm.org).

Travis informed the club members of some illegal transmission activity that has occurred during the past using the repeater frequency. If anyone hears any illegal activity, please keep a record of the day, time, and frequency involved and report to someone on of the Repeater Committee.

The proposed budget for the year 2000 was passed with two opposing votes.

The training topic was Net Control for the Tuesday night net. Members are encouraged to learn to handle the net control position. One of the reasons we are "Hams" is to provide assistance when the opportunity arises. The Tuesday nets provide an opportunity to train for that time when our services will be needed.

Jim Lofthouse gave some helpful information on passing traffic. When we have traffic, we should state the type of traffic at the time of sign-in (i.e., announcement, priority, etc.) Priority traffic should be handled immediately. The training session allowed for a question and answer period with the members taking home some valuable information.

The meeting was adjourned with refreshments and visiting following the meeting.

We thank everyone for coming to the meeting and encourage all to attend.

73 Nadene

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VE Test Session – March 4<sup>th</sup> at 8:00 am at Campbell Scientific. 815 West 1800 North Logan, Utah  
The cost is \$6.65

(Simplex- continued from page 2)

anywhere. Lots of people who have done that, however have found themselves clobbering a repeater input, a link, a Russian Cosmonaut, or a packet channel. That is not good form. To avoid doing damage you need to stay with a few well worn channels, keep a band plan listing with you, or keep a good mental image of how the band is laid out.

Utah's two-meter band plan follows that of Washington and Oregon rather than the one listed in most ARRL publications. Above 146 MHz, be sure to know the scheme listed in the Utah VHF Society booklet, not the one in the national Repeater Directory.

Channels are established at 20 KHz intervals. Even though your radio may allow frequency selection in 5 KHz steps, an FM signal takes up more than 15 KHz of spectrum. Two nearby stations must operate at least 20 KHz apart to avoid interfering with each other.

Above 146 Mhz, good channels always end with an even number. If 146.52 is a legitimate frequency (which it is), the next one up would be 146.54, followed by '56, '58, and '60. Of someone operates on '55 he makes it impossible for anyone to use either '54 or '56. Below 146 MHz, channel spacing is still 20 KHz, but the channel frequencies end in odd numbers. Examples are the popular repeaters on 145.45, '47, and '49.

Repeater channels occupy the lion's share of the two meter band. Virtually every repeater channel is allocated to a current or proposed repeater or kept vacant to protect the repeater in an adjacent state. It is best to stay away from all repeater input and output areas with simplex QSO's. The three repeater segments fall as follows:

Output	Input
145.10-145.50	144.50-144.90
146.60-147.00	146.00-146.40
147.00-147.40	147.60-148.00

Note that there is a 200 KHz gap between each group of outputs and its matching group of inputs. These gaps provide good areas for simplex operation. The gap in the lower repeater sub-band (144.90-145.10) is entirely allocated to packet operations. The other two, however are good areas for voice simplex. They are easy to remember: 146.40 to 146.60 and 147.40 to 147.60. (One exception: don't use 146.40; it is the input of the Mt. Harrison repeater in Idaho. The frequencies from 146.42 on up are OK.)

(Continued on page 5)

# UTAH HAMFEST 2000

## ARRL UTAH STATE CONVENTION

**Ruby's Inn – Bryce, Utah**  
**July 7, 8, 9, 2000 (Friday, Saturday & Sunday)**  
**Ruby's Inn – Bryce, Utah (1 mile north of Bryce Canyon)**

Visit the following Web sites for more details: [WWW.utahhamfest.org](http://WWW.utahhamfest.org) [WWW.RubysInn.com](http://WWW.RubysInn.com)

Mark your Calendars now; Publish this flyer in your Newsletters; Announce at Club meetings;  
 Copy for widest Distribution; Utah Hamfest needs your support; Success = More Utah Hamfests

<p><b>Activities Include:</b>                  Dealer and Swap Meet Areas                  Seminars and Forums                  Women's and Children's Events                  Contests:                      Hi Speed CW, Low Speed CW, QLF                      Mobile Installation                      Transformer Toss (a new method)                      Transmitter Hunts (a new challenge)                  Prize Drawings                  Wouff Hong                  Radio/Antenna Testing and Evaluations                  Amateur Licence Exams</p>	<p><b>Accommodations:</b>  <b>Ruby's Inn Special Rates prior to June 7</b>                  2 Queen Beds \$75, Lodge across street \$50                  Contact: Keith in Group Sales                  Ask For Special Utah Hamfest Room Rates Call:                      1-435-834-5341 Ext. 7222</p> <p><b>RV/Campground:</b> 435-834-5301 Fax 435-834-5481                  Full Hookups           Start @ \$22.50 + Tax                  Electric &amp; Water       Start @ \$21.00 + Tax                  Tent Spaces             Start @ \$14.50 + Tax                  Tipi Rental              Start @ \$21.00 + Tax</p>
<p style="text-align: center;"><b>Utah Hamfest</b>  <b>P.O. Box 382</b>  <b>Bountiful, Utah 84011-0382</b></p> <p><b>Web Page:</b> <a href="http://WWW.utahhamfest.org">WWW.utahhamfest.org</a></p> <p>Swap spaces available with paid registration                  Tail gate spaces \$5.00 with paid registration                  Swap Tables \$5.00 with paid registration</p>	<p><b>Registration Information:</b>                  Adult (18 and over)   \$7.00 Before June 7<sup>th</sup>                      \$10.00 at the door                  (No mail-in after June 7, 2000)                  Youth (17 &amp; Under)   \$3.00 before June 7<sup>th</sup>                      \$5.00 at the door                  (Youth registrations eligible for youth prizes only)                  Sunday Breakfast Buffet \$8.00</p>

**Please Print**

Name: \_\_\_\_\_ Callsign: \_\_\_\_\_  
 Address: \_\_\_\_\_ Phone: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip+4 \_\_\_\_\_ - \_\_\_\_\_  
 Email address: \_\_\_\_\_ VE Exam Y/N \_\_\_\_\_

Number of Adults:	_____	X \$ _____	= \$ _____	
Number of Youth:	_____	X \$ _____	= \$ _____	(17 & under)
Breakfast Buffet:	_____	X \$ <u>8 . 00</u>	= \$ _____	<u>00</u>
Swap Meet Table:	_____	X \$ <u>5 . 00</u>	= \$ _____	<u>00</u>
Swap Meet Tail Gate:	_____	X \$ <u>5 . 00</u>	= \$ _____	<u>00</u>
Total:			= \$ _____	

Names of Additional Attendees: \_\_\_\_\_ **VE Exam Y/N**

\_\_\_\_\_ Callsign: \_\_\_\_\_

\_\_\_\_\_ Callsign: \_\_\_\_\_

\_\_\_\_\_ Callsign: \_\_\_\_\_

\_\_\_\_\_ Callsign: \_\_\_\_\_

Mail-ins: Check or Money orders Payable to: Utah Hamfest @ PO Box 382 Bountiful, UT 84011-0382  
 Must have names and callsigns (if applicable) of all registered attendees.

(Simplex- continued from page 3)

Another good area for voice simplex activity is the region from 145.50 to 145.80. Remember that we use odd-numbered channels in this part of the band, so the first channel is at 145.51. Avoid 145.55, the frequency used by manned space operations.

Areas to avoid are 144.00-144.50 which is where DX work and operation on modes other than FM take place, and 145.80-146.00 which is the OSCAR satellite band.

If you don't remember anything else about simplex frequencies, remember 146.52 MHz, the national simplex frequency. If someone tells you to "QSY to '52" this is the one he's talking about. This frequency is reserved for general FM simplex operation in all parts of the country. If you're driving through an area without much repeater coverage, it is a good frequency to monitor.

For days when '52 is busy, there are also simplex frequencies reserved for emergency and general operation in several Wasatch front counties:

Salt Lake	147.54
Davis	147.42

Utah	146.46
Weber	146.58
Toole	147.48

Operating simplex is a great idea, but make sure you don't step on anyone when you do it.

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### Forms 610 phased out:

With a single exception, the venerable FCC Form 610 now is history. The FCC phased out the documents February 16. Amateur Radio applicants now must use the Universal Licensing System forms (Forms 605, 606) for all purposes. There is one exception: FCC Form 610B Club Station application continues to be valid until the FCC finalizes its privatized club station call sign administrator program.

(As reported in The ARRL Letter Online Volume 19, Number 7 (February 18, 2000))

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PO BOX 111  
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## *March, 2000*

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

Ham Profile: Kathy Brooksby .....	1
Presidents Message .....	1
Simplex Information.....	2
Club Information .....	2
Secretary's Corner .....	3
Utah Hamfest .....	4