



THE OHM TOWN NEWS

Voice of the Bridgerland Amateur Radio Club

May 2004

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

PRESIDENTS MESSAGE

As hard as it is to believe, summer is right around the corner. May 8th will be the last club meeting until August. In-between we will have a great chance to participate in some public service activities. May I make a plea to everyone in the club to help out with these activities. Find one or two that you can give some service time too. Last year we seemed to struggle to get even a few to help out with some of the events. These activities do wonders to shed positive light about our club to the community. Last year I had the opportunity to visit with one of the organizers of the Cruise-in. He thanked me and the club several times for our support. I work with an organizer of the Top of Utah Marathon. They love the support we give them and recognize the value of what we do for them.



Field Day

Field day will be the 26th & 27th of June. It will be in Logan Canyon, either at our normal location or a new spot we are considering. I want to thank Ted, AC7II and Rik N7XZ for their willingness to spearhead this event. I hope you will volunteer your help to them this year. Field day is a lot of fun. Besides the HF operation, I enjoy the socializing around the camp fire or stove, eating way too many cookies and chips, and mindlessly chanting "CQ field day, CQ field day, this is Whisky Seven India Victor Mike" My kids can even say it in their sleep. Field day is also a great time for those of you without an HF rig or HF privileges to get on the air and have some fun.

Getting Youth Involved

Maybe this is a personal interest because I have kids, but I would like to see us get more involved with getting kids and teenagers involved with Ham Radio. We had a successful time in March helping some Scouts earn their radio merit badge. You should have seen those boys faces light up when they talked to someone in Canada on the radio. They were so excited. My sons attended and that is all

(Continued on page 3)

HAM PROFILE

by Boyd Humpherys W7MOY

If any of you are in a tight squeeze, a bind, living in a tent out behind the barn, having raccoon problems, or some other variety of emergency, we have just the person who can manage it for you. Whether he would entertain accepting all that Murphy could conjure up, is another thing, however one of our own, specializes in minimizing the effects of these types of experiences. He is none other than Lynn Wright, KD7HIR. His official title is Emergency Management Coordinator at USU, where he has been employed for some 17 years. After chatting with he and his good wife for a bit, I realized that he does not schedule emergencies or coordinate the Management at USU, but shoulders a BIG responsibility on the hill.

Lynn has held a tech license for a couple of years and is keenly aware of the tremendous potential of the technology and the human capability of the Amateur fraternity. Lynn sports a Yaesu HT at home and another 2 m base station at work. I didn't detect any tell tale any roof or tower mounted antennas at the home QTH, however I would wager a tall glass of buttermilk that he has or is planning something of note, such as a metal J-Pole doubling as a mail box or other similar covert structure.

Lynn and his wife, the former Yvonne Lyman both hail from Blanding down in the South East corner of the State where the sands of by-gone seashores are very numerous. They must have had an eye on each other all through grade school and the prestigious San Juan High School. He, shortly after graduation from the latter mentioned institution, accepted a mission call for his faith in the land of the Franc and Eiffel tower. An equal stay in Flemish speaking Belgium and the French land of Charles DeGaulle without prior language training must have been a challenging experience. About 6 months after his return, he and Yvonne decided to tie the knot, spent some time in San Diego working with a fire department and other varied emergency services.

He must have been infected with the Ham bug in early association with his father who was a weather observer in Blanding, regularly reporting the weather conditions to



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Events Calendar

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May Club Meeting

Saturday May 8th 10:00 AM Cache County Sheriffs Office or at the University, check the web site or check in on the repeater to find out (location unknown at press time.) Rich Fisher NS7K from the Davis Club will present to us on HF and contesting. Every year he and Jim Lofthouse K7OA get together for the 160 meter contest. No phone here, just straight CW.

June Club Meeting / Activity

Field Day Saturday & Sunday June 26th & 27th
Our annual fun event for everyone. Come talk around the world and enjoy good food, and great company. Camp out or come for the day. Location will be in Logan Canyon. We are going to be checking out a new site when the snow melts.

Summer Activities and Events.

Summer is just around the corner. It is time to get involved in some activities and summer public service events. Sign up at club meeting or send an email to Tyler Griffith N7UWX@comcast.net. Do not worry if you have never done one before. These events are a great way to sharpen your communication skills.

MT. MAN RENDEZVOUS - May 28th

(just Friday usually) Memorial Weekend

C.V. BIATHALON- June 12 (correction from earlier date)

PONY EXPRESS - June 19 - may not need ham assistance

FIELD DAY - June 26, 27

UP THE DAM HILL - No date yet

CACHE CRUISE IN - July 3

LITTLE MT. BIKE RACE - No date yet

CACHE CLASSIC BIKE RACE - September 3-6 Mostly Sat & Sun

LATOJA - September 11

TOP OF UTAH MARATHON - September 18

BEAR 100 - September 25

JOTA Jamboree on the Air - October 16, 17

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

Grandma's corner
She needs more room, she has eyes on my shack
She'll help you load the truck !!

**A bushel--Stud mt. rectifiers, type 1N1581
6A, 600 V PIV
.50 ea**

**You really need to pick up some of these
for your mother in law !!**

Assorted meters--inquire
Boyd Humpherys W7MOY
752 4868

(Presidents Message Continued from page 1)

they could talk about. For the past couple of years, the scoutmaster from Troop 1 has been asking me about JOTA. They attended our very first one, and both the leaders had so much fun they want to do it again. I have agreed that our club will work with them on JOTA this year. They are going to have a camp-out in green canyon for JOTA this year, and we will set up HF radios on Friday and join them for operation on Friday evening and Saturday. We will also help them earn the radio merit badge at their troop meetings during September. We will need up to 10 instructors for this event with the mini break out sessions. I think if we take 3 sessions in October with them, they will have learned a lot. Please sign up to help with JOTA this year. We will need several HF rigs, and Control Operators for this fun event.

On another youth related note, a newly licensed amateur radio operator in the valley, Kevin Kessler, KE7AAF, is also the State 4-H director. He wants to start 4-H ham clubs for kids all over the state of Utah. He has lots of great ideas for this, so hopefully by summers end, we will have a class for kids going to get licensed. We will need club members to mentor these youth, act as advisors, and share experiences. Imagine a group of teenage amateur radio operators helping out with public service events side by side with us. Wouldn't that be great?

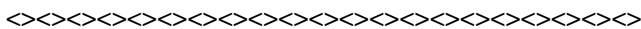
Final Thoughts

One of my goals has been to increase club membership; well we are not there yet. I thought we might be able to get some folks who are hams in the valley to rejoin us. Some have, but many have other priorities right now, or have lost interest in the club or hobby altogether. I think our real growth will come from offering license classes are bringing in a new group of licensed amateurs. Anyone willing to teach or be part of a team to teach some license classes in early fall?

Hope to see you all at club meeting.

73,

Kevin N7RXE



(Ham Profile Continued from page 1)

Grand Junction by CW. He must have held a license prior to WWII and performed a valuable service.

The Wrights have three children, two boys and a girl, all married, and a couple located hither and yon in our big country. They enjoy sports, camping, and the out of doors. He also has a private pilot's license. Yvonne is also employed at USU as a staff assistant in Teacher Training in Elementary Education. She manages to squeeze some spare time for the grand kids and in writing some poetry. Would any of you gents care to have her write a sonnet for your favorite, give her a call.

Lynn has also been involved with law enforcement for quite a few years plus currently being Disaster Services Chairman for the Cache County Chapter of the American

Red Cross. All of these experiences have served him well, most notably in the two week stint near ground zero in New York on that grave day 9-11. His description of that experience will linger for an extended period of time. His duty there with the Red Cross involved mass care for recovery workers, 24 hour food availability, water, sleeping facilities, sheltering, mental health assistance, medical assistance and generally every assistance needed for that effort. Something like 13,000 meals a day went down the hatch.

When asked what thing remained in his mind about that event, a long pause, and then he said "the sight, the sounds, and the smell". Things that would never leave his mind, never before experienced in that magnitude and hopefully never again would be.

We are fortunate to have Lynn in our midst, we may need his services. 73s.



ARRL Bulletin 10 ARLB010

From ARRL Headquarters

Newington CT April 12, 2004

FCC to Stop Accepting Pre-December 2003 Form 605

Effective with Monday, May 3, receipts, the FCC's Wireless Telecommunications Bureau will dismiss any applications filed on an FCC Form 605 issued earlier than December 2003. Form 605, Quick-Form Application for Authorization in the Ship, Aircraft, Amateur, Restricted and Commercial Operator, and General Mobile Radio Service, is the hard-copy version of the Amateur Service application. The change does not affect applicants filing on-line with the Universal Licensing System (ULS) at, <http://wireless.fcc.gov/uls/>, said the FCC, which is encouraging on-line filing. ARRL VEC Manager Bart Jahnke, W9JJ, says the Form 605 announcement will affect the way ARRL has been making FCC Form 605 available. He says the League's widely distributed March 2001 Form 605 in a three-sheet ivory/buff-colored package with perforated pages will become obsolete for applications the FCC receives on or after May 3. In the wake of the FCC's unexpected announcement, the ARRL is developing a replacement package that could require several more pages. It hopes to have it ready in time for Hamvention May 14-16. The FCC has been accepting both older and current Form 605 applications that included a line (Item 9a) for a Taxpayer Identification Number, a Social Security number for an individual. The FCC would then issue the applicant an FCC Registration Number (FRN) without additional paperwork. All amateur applicants must have and use an FRN when filing an application such as Form 605 with the FCC. Applicants attending VEC test sessions can still supply a Social Security number, which will result in automatic Commission Registration System (CORES) registration. All amateur applicants must have and use an FRN when filing an application such as Form 605 with the FCC. Under the system going into effect in May, applicants not yet registered in CORES and filing on paper will need to file FCC Form 160, CORES Registration to obtain a FCC Registration Number (FRN). After the FCC has issued an FRN, applicants also might want to file FCC Form 606 to associate

The April Club Meeting was held on Saturday April 10th at Utah State University. Maralin Hoff known as the "Earthquake Lady" presented an impressive discussion. Her topic was on earthquake preparedness, and general preparations for emergencies, including 72 hour kits. Here are a few of her ideas and some of the information she shared with us.

Emergency Preparedness

Every day millions of people wake up, go to work, take kids to school, farm their lands or go to ball games. But every so often the unexpected happens: an earthquake, a fire, a chemical spill or some other emergency. Routines change drastically and people are suddenly aware of how fragile their lives can be. Disasters disrupt hundreds of thousands of lives every year and each disaster has lasting effects - people are seriously injured, sometimes killed and property damage runs into the billions of dollars.

You should know how to respond to severe weather or any disaster that could occur in your area - hurricanes, earthquakes, lightning, extreme cold weather and floods. ***You should also be prepared to be self-sufficient for at least three days.*** This may mean providing your own shelter, first aid, food, water and sanitation.

There are six basic items to include in any size emergency kit:

- . Food
- . First-Aid Supplies
- . Water
- . Tools & Emergency Supplies
- . Clothing & Bedding
- . Special Needs Items

You should have emergency kit(s) for:

- . Home
- . Child Bedside Backpack
- . House Pets
- . Vehicle
- . Baby Diaper Bag Refilled
- . Birthday or Christmas Gifts
- . Place of Business
- . Students
- . Picnics & Camping, etc.

Create emergency kit(s) and store in any type of containers. Containers with wheels are great for larger kits; and: Garbage cans, foot-lockers, chest, duffle bags, tote bags, ice chests, various sizes of plastic boxes, even a pillow case, blanket or a sleeping bag will work to roll-up emergency supplies in!

If you would like information about natural disasters, preparedness, training, maps, hazardous materials, or if you are interested in having an emergency preparedness presentation for a group (family reunions, etc.) with a demonstration of an earthquake and sound effect, please contact us, at (801) 538-3400, and check out our website at <http://www.des.utah.gov>

Division of Emergence Services & Homeland Security, 12110 State Office Building, Salt Lake City, UT 84114
Telephone (801) 538-3400 Facsimile (801) 538-3770

Water

Store water in plastic containers such as soft drink bottles. Avoid using containers that will decompose or break, such as milk cartons or glass bottles. A normally active person needs to drink at least two quarts of water each day. Hot environments and intense physical activity can double that amount. Children, nursing mothers, and ill people will need more.

- O Store one gallon of water per person per day (two quarts for drinking, two quarts for food preparation/sanitation).
- O Keep at least a three day supply of water for each person in your household.

Food

Store at least a three-day supply of non-perishable food. Select foods that require no refrigeration, preparation or cooking & little or no water. If you must heat food, pack a can of sterno. Select food items that are compact and lightweight. Include a selection of the following foods in your Disaster Supplies Kit:

- O Ready-to-eat canned meats, fruits and vegetables
- O Canned juices, milk, soup (if powdered, store extra water)
- O Staples - sugar, salt, pepper
- O High energy foods - peanut butter, jelly, crackers, granola bars, trail mix
- O Vitamins
- O Foods for infants, elderly persons or persons on special diets
- O Comfort/stress foods-cookies, hard candy, sweetened cereals, lollipops, instant coffee, tea bags

First Aid Kit

Assemble a first aid kit for your home & for each car. A first aid kit should include:

- O Sterile adhesive bandages-assorted sizes
- O 2-inch sterile gauze pads (4-6)
- O 4-inch sterile gauze pads (4-6)
- O Hypoallergenic adhesive tape
- O Triangular bandages
- O 2-inch sterile roller bandages (3 rolls)
- O 3-inch sterile roller bandages (3 rolls)
- O Moistened towelettes
- O scissors
- O tweezers
- O needle
- O antiseptic
- O thermometer
- O Sunscreen
- O Tongue depressors (2)
- O Tube of petroleum jelly or other lubricant
- O Assorted sizes of safety pins
- O Cleansing agent/soap
- O Latex gloves (2 pair)

the FRN with an individual's license record(s) and call sign(s). CORES registration data and FCC license data are maintained in separate FCC databases. The completed Form 160 goes to a unique Washington, DC, FCC address to obtain the applicant's FRN. Once the FCC issues an FRN to the applicant, this number must be used when filing FCC Form 605, which goes to the FCC's Gettysburg, Pennsylvania, office. The two forms may not be mailed to Gettysburg together. Applicants need to have obtained an FRN via Form 160 before they can file a Form 605. ARRL recommends that all amateurs file an on-line or paper Form 606 to associate their FRN with their license record(s) and call sign(s) in the FCC license database. Jahnke says the easiest way is to do this electronically via the ULS, and the process now is fairly straightforward. The current edition of Form 605, dated December 2003, is available on the FCC forms page, <http://wireless.fcc.gov/feesforms/index.html>. For more information or assistance, contact the FCC Consumer Center, toll-free, 888-CALLFCC (888-225-5322) and select option 2, or via e-mail at, fccmd@fcc.gov.

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The ARRL Letter Vol. 23, No. 14 April 2, 2004

==>BPL HANDOUT AVAILABLE FROM ARRL

ARRL has posted a two-page document <http://www.arrl.org/tis/info/HTML/plc/BPL-leave-behind.pdf> that discusses Broadband over Power Line (BPL) in lay terms. "Broadband over Power Line: Why Amateur Radio is Concerned about its Deployment" is available for reprinting and use as a handout when, for example, dealing with members of Congress, municipal officials, power utilities and the news media. While emphasizing that hams do not oppose broadband services per se and tend to be "early adopters" of new technology, the information sheet outlines Amateur Radio's concern about BPL's potential to create interference. Other broadband delivery methods "do not pollute the radio spectrum as BPL does," the paper states. It also defines BPL, outlines its current deployment status, discusses FCC regulations already in place and explains that BPL's interference potential is real, not just theoretical. Finally, it lists "Others at risk," including short-wave listeners, public safety agencies and federal government radio systems.

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The ARRL Letter Vol. 23, No. 16 April 16, 2004

==>FCC PROPOSES WIDE-RANGING CHANGES TO AMATEUR SERVICE RULES

The FCC has released an "omnibus" Notice of Proposed Rule Making (NPRM) that seeks comments on a wide range of proposed Amateur Service (Part 97) rule changes. The FCC also denied several petitions for rule making aimed at altering portions of the Amateur Radio regulatory landscape and ordered minor changes in Part 97. The NPRM is a result of a dozen petitions for rule making, some filed more than a year ago and a few dating back as far as 2001. Comments on the proposals put forth in WT Docket 04-140 are due by Tuesday, June 15, with reply comments by Wednesday, June 30. Among other changes, the FCC has recommended adopting the ARRL's "Novice reformatting" plan <http://www.arrl.org/announce/regulatory/refarm/>. "Because the ARRL petition addresses the operating privileges of all classes of licensees on these Amateur Service bands, we believe that the ARRL petition provides a basis for a comprehensive restructuring of operating privileges," the FCC said in its NPRM. "We note that, as proposed, no licensees would lose any spectrum privileges and that General, Advanced, and Amateur Extra Class licensees would gain spectrum for phone emissions, one of the most popular operating modes on the HF bands." The ARRL referenced its Novice reformatting proposal in its recent Petition for Rule Making, RM-10867 http://gullfoss2.fcc.gov/prod/ecfs/retrieve.cgi?native_or_pdf=pdf&id_documento=16083735, which, along with three other petitions (see "FCC Invites Comments on Amateur Radio Restructuring Plans," <http://www.arrl.org/news/>

stories/2004/03/24/2/>) remains open for comment until April 23. The FCC also has proposed essentially eliminating its rules prohibiting manufacture or marketing of Amateur Radio Service power amplifiers capable of operating between 24 and 35 MHz. Originally put on the books in 1978 to keep high-powered amateur amplifiers out of the hands of CBers, the rules now "impose unnecessary restrictions on manufacturers of Amateur Radio equipment and are inconsistent with the experimental nature of the Amateur Service," the FCC said. The FCC additionally proposed a rule change that would make Kenwood's Sky Command system legal for operation within the US. The proposed amendment to §97.201(b) of the rules would permit auxiliary operation on 2 meters above 144.5 MHz—with the exception of the satellite subband 145.8 to 146.0 MHz—in addition to frequency segments already authorized. The Sky Command system permits the user to operate certain Kenwood equipment remotely via a VHF/UHF handheld transceiver. In response to an ARRL petition, the FCC proposed extending the bands available for spread spectrum experimentation and use to include 222-225 MHz. On its own initiative, it also recommended including 6 and 2 meters as well. Current rules limit SS emissions to frequencies above 420 MHz. Among other changes, the FCC also proposed to prohibit acceptance of more than one application per applicant per vanity call sign; permit retransmission of communications between a manned spacecraft and its associated Earth stations, including the International Space Station; allow current amateurs to designate a specific Amateur Radio club to acquire their call sign in memoriam; eliminate §97.509(a) of the rules, which requires a public announcement of volunteer examiner test locations and times; and add to §97.505 (a) to provide Element 1 (5 WPM Morse) credit to any applicant holding a Technician license granted after February 14, 1991, and who can document having passed a telegraphy examination element. The Commission ordered some changes in Part 97 without requesting comment. It ordered, among others, the revision of the definition of an "amateur operator" in §97.3(a)(1) to reflect that entry in the FCC Universal Licensing System (ULS), not a license document, determines whether a person is an Amateur Radio operator. The FCC also adopted a technical change—in line with a recent amendment to the international Radio Regulations—to specify that the mean power of any spurious emission from a new amateur station transmitter or amplifier operating below 30 MHz be at least 43 dB below the mean power of the fundamental emission, 3 dB greater than the current requirement. The FCC turned down a petition would have established distinct CW and phone segments in the 160-meter band. Although a majority of commenters supported the proposal, the Commission said the current voluntary band plan "adequately accommodates the operating interests of all licensees who use the 160-meter band because it was based on input from those who use this spectrum." Among several others, the FCC turned down petitions that would have imposed restrictions on the time, length or transmission frequencies of bulletins or informational transmissions directed at the amateur community. Also denied was an ARRL request to add to the special event call sign system certain call sign blocks that designate territories and possessions that have no specified mailing addresses. The FCC suggested using self-assigned indicators instead. The FCC Notice of Proposed Rule Making http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-04-79A1.doc in WT Docket 04-140 is available on the FCC Web site. As soon as the document has been posted, comments on the NPRM may be filed via the FCC Electronic Comment Filing System (ECFS) <http://www.fcc.gov/cgb/ecfs/>. Click on "Submit a filing." To view filed comments, click on "Search for filed comments." In either case enter the NPRM number in the "Proceeding" field as "04-140" (without the quotation marks).



Questions for General Class License

1. (G1A09) What are the frequency limits for General class operators in the 17-meter band?
 - A. 18068 - 18300-kHz
 - B. 18025 - 18200-kHz
 - C. 18100 - 18200-kHz
 - D. 18068 - 18168-kHz
2. (G1D06) When may you participate as an administering Volunteer Examiner (VE) for a Technician license examination?
 - A. Once you have notified the FCC that you want to give an examination
 - B. Once you have a Certificate of Successful Completion of Examination (CSCE) for General class
 - C. Once you have prepared telegraphy and written examinations for the Technician license, or obtained them from a qualified supplier
 - D. Once you have been granted your FCC General class or higher license and received your VEC accreditation
3. (G1F09) What is the maximum symbol rate permitted for RTTY or data emissions on the 10-meter band?
 - A. 56 kilobauds
 - B. 19.6 kilobauds
 - C. 1200 bauds
 - D. 300 bauds
4. (G2C06) During a disaster in the US, what frequencies may be used to obtain assistance?
 - A. Only frequencies in the 80-meter band
 - B. Only frequencies in the 40-meter band
 - C. Any frequency
 - D. Any United Nations approved frequency
5. (G2D07) A directional antenna pointed in the long-path direction to another station is generally oriented how many degrees from its short-path heading?
 - A. 45 degrees
 - B. 90 degrees
 - C. 180 degrees
 - D. 270 degrees
6. (G4B08) What instrument can be used to determine the horizontal radiation pattern of an antenna?
 - A. A field-strength meter
 - B. A grid-dip meter
 - C. An oscilloscope
 - D. A signal tracer and an audio amplifier

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May, 2004

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