

THE OHM TOWN NEWS

Voice of the Bridgerland Amateur Radio Club

Summer Edition June July August 2003

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

Come join in with the activities!!! Radio Stuff, races, food, all kinds of fun activities!

PRESIDENT'S MESSAGE

June is here, and I can't believe how fast this year is going. As most of you know we suspend club meetings for the months of June, July and August due



to all the other events that we are involved with. This summer we will be planning some minor activities, such as fox hunts, but our real emphasis will be on our traditional summer activities.

The first of these events is my personal favorite: Field Day! The last weekend of this month we will meet up at Beaver Creek for a weekend of camping, camaraderie, and messing around with radios. What more could

a person want? We hope everyone can come up at least for dinner and to hop on the air for a while. It doesn't matter what your privileges are as we will have control operators there to make it all legal. So if you know someone who isn't a ham that might be interested in learning more, or someone who might be **I**censed but doesn't have any HF experience who wants to try it, we hope you will bring them along.

Also coming up this summer we have many public service events we traditionally support. These include:

Cache Cruise-in parade	- July 5
Cache Classic Bike Race	- Labor Day Weekend
	Aug 29, 30 Sept. 1
- Little Mountain Road Race a	t Newton - Saturday AM
- Weston Canyon Road Race a	
- Individual Time Trial in Ben	ison - Monday AM
LOTOJA	- September 13
Top of Utah Marathon	- September 20

(Continued on page 5)

HAM PROFILE

By Boyd Humpherys W7MOY

If you reside in Smithfield, no need to set your house afire or do business with Campbell Scientific, just to get to meet Gary Roberts, however either way, he is likely to respond.

This weeks candidate is yet another Idaho Spud Growing import from Idaho, in the form of Gary

Roberts AG1T who has held an extra ticket for about 3-4 years and has been licensed since 94. He has served as the BARC treasurer a few years back, has participated in LoToJa, Top of Utah, Cache Valley Classics and the annual eat your self out of shape picnics in the park.



He sports some ICOM dual band eqpt. and some KENWOOD and YAESU HF rigs, along with some mag mounts and a few other goodies. He has had a blast with some QRP rigs, windham antennas in the hills and mentioned briefly some rather scientific ja mming activities, however you will have to contact him directly for an accurate explanation of the latter.

He mentioned that while residing in Burley, ID, he held some regular QSOs with one of the Americans, who happened to be on one of the early MIR spacecrafts about 6 years ago.

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Club Officers

President

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

Vice President

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

Secretary

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

Treasurer

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

Board Members

Tyler Griffiths N7UWX tyler@n7uwx.net (435)752-7269

Dave Hancey KC7CXF DALAHANCEY@aol.com (435)563-6017

Dave Fornefeld KC7UYJ kc7uyj@bridgernet.com (435) 563-8082

Newsletter Editor Dale Cox KB7UPW dbclfc@mtwest.net or kb7upw@arrl.net (435)563-3836

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

Some Activities for the Upcoming Season

Field Day	June 28-29
Cache Cruise In	July 5
On Target (AKA: Peak-to-Peak) Cache Classic	July 19 Aug 29,30 Sep 1
LOTOJA	September 13
Top of Utah Marathon	September 20
JOTA	October 18

More info will be included in this column when it is available You can also contact Tyler Griffiths to sign up to help, or for more information.

Minutes from the BARC BOARD MEETING 21 May 2003 by Kevin Reeve

Attending: Rik Stallkings, Ted McArthur, Dave Fullmer, Kevin Reeve

The board is working on a technician class for the valley. Looking to start it after Field Day sometime. Also working on an Idea for the ARRL emergency communications class offered by the ARRL. It would be great for all amateurs. Ted reported that the Sedgwick repeater is in the process of being built. Still some work to do. This repeater will link into the Snow Bird system to the South and the Idaho system to the North. It will also be able to be linked to the 72 system when desired for LOTOJA, RACES, etc.

Dave Fullmer reported on the budget. The club is \$400 short of income for this years budget, but still in good shape. Dave has set up a separate checking account for the club store. This will keep it simple for accounting purposes. Everyone agrees.

Kevin reported on the club store. We now have COAX, adapters, connectors, mag mount antennas etc. He will be publishing a list on the website and in the OHM town news. Club members appear to be excited about the stuff.

Discussed upcoming events. The Biathlon is coming soon. Lotoja is around the corner. Still need folks to help out.

Dew knot trussed yore spell chequer to fined awl you're misteakes.

The Ohm Town News is not published in July or August. Answers to Questions on Page 6 1-A, 2-C, 3-D, 4-A, 5-B, 6-A

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(Ham Profile Continued from page 1)

He candidly admitted to having been born in Jerome, ID, went to schools in Montpelier, ID and graduated from Bear Lake High in 91. He served a mission for his faith in and around Jacksonville FL from 91-93. He weathered several drenching storms for which the area is famous, one of which being the storm of the century which thoroughly dumped inundating water up the whole Eastern Seaboard. Many of the assignments were via SCHWINN vehicles which are commonly known to we westerners as bicycles. He noted that when prevailing winds approached 25-30 mph, these sturdy contrivances generally became airborn and exhibited strange and unpredictable flying characteristics.

He worked for a period with the US Postal service, delivering mail for the US MULE between Montpelier and Pocatello, with two trips a day. This new system generally precluded the tried and true smoke signal method by about 10 years.

As was intimated Gary serves as a volunteer for the Smithfield fire department and logs about 10 hours a week, teaching EMT classes and drills as well as responding to home fires when the backyard barbie gets used indoors due to a shower or two. Take note gents.

His capable XYL, Marcie Porter, was also born in ID, namely Preston ID, where she attended elementary and graduated from Preston High. She proudly owns a KD7OJC call, held for about a year and a half. They have a year old harmonic by the handle of Melissa. She appeared lively and seemed to be debating whether to walk or learn the code first. Marcie attended Ricks for a couple of years, purchased an ESKIMO brand parka and a set of red flannels, then graduated with an associate degree in nursing in 92. Marcie is a registered nurse and works one day a week at the Franklin County Medical Center in Preston. Perhaps we might enlist her aid at the annual field day activities, she could resuscitate any of our curious snoops who might get entangled with the 10 KW trailer mounted mobile rig the club regularly hauls to these activities to improve the score when ordinary methods fail.

Incidentally Gary has worked at Campbell Scientific for about 8 years and readily admits associating with about 33 fellow hams in his section. Now let's see, how many hams per square foot did we figure that out to be? I'll lay a dollar to a doughnut, not many extraneous topics other than Amateur Radio get discussed on a regular basis and then only with group permission.

On second thought, don't set the shack on fire, go knock on his door, a great bunch.

ARRL Bulletin 36 ARLB036 From ARRL Headquarters Newington CT May 21, 2003 To all radio amateurs



Eight incumbent ARRL section managers have earned two years terms, three of them in con-

tested races. Ballots were counted May 20 at ARRL Headquarters. In the Maryland/District of Columbia Section, Tom Abernethy, W3TOM, turned away challenger Vic Curtis, WA3YUV, 826 to 266. In the San Joaquin Valley Section, Charles McConnell, W6DPD, topped Thomas M. "Mike" Zane, N6ZW, 304 to 251. In the New Hampshire Section, Al Shuman, N1FIK, defeated Russell J. Santos, K1TSV, 478 to 95. Sitting ARRL section managers in five other sections were unopposed for election or re-election and were declared elected. They are Dick Flanagan, W6OLD, Nevada; Bill Hudzik, W2UDT, Northern New Jersey; Bob Beaudet, W1YRC, Rhode Island; **Mel Parkes, AC7CP, Utah**, and John Dyer, AE5B, West Texas.

All new terms of office begin July 1.

The ARRL Letter Vol. 22, No. 18 May 2, 2003 ==>FCC ACCEPTING COMMENTS IN

"BROADBAND OVER POWER LINE" INQUIRY The FCC released its Notice of Inquiry (NOI) on the deployment of "Broadband over Power Line" (BPL) technology April 28 and now is accepting electronically filed comments in the proceeding, ET Docket 03-104. The technology has raised concerns of substantial interference to the Amateur Radio HF bands. BPL would couple high-frequency RF to parts of the power grid and use existing power lines as the transmission medium to deliver broadband and Internet services. The FCC has expressed unabashed enthusiasm for BPL. ARRL CEO David Sumner, K1ZZ, says Commission members have been acting more like cheerleaders than regulators. "We were disappointed in the tenor of some commissioners' statements, but we were encouraged by the fact that in the NOI itself the FCC did point out that licensed services-including Amateur Radio-'must be protected from harmful interference' from BPL," he said. In the NOI, the FCC acknowledges the interference risk from BPL. "The multiple-carrier transmission nature of the new high-speed BPL technology could pose increased risk of harmful interference, and thus new BPL devices may need a higher degree of oversight to ensure that authorized users are not subject to interference," the FCC said. The major interference threat to amateurs comes from so-called "access BPL," because its signals can radiate from outside power lines—possibly for great distances. The FCC also concedes that close proximity

of access BPL equipment on utility poles might affect-and be affected by-cable TV and DSL service. Current FCC Part 15 rules limit the amount of RF energy that can be injected into the power lines, but, as the FCC concedes, "the new generation of high-speed BPL devices that use wide spectrum was not contemplated" when those rules were formulated. The FCC has invited comments on possible changes to those rules. The FCC also seeks information on a possible access BPL standards, spectrum and bandwidth, modulation techniques and data transmission speeds. Additionally, the Commission seeks the status of BPL development and anticipated deployment in the marketplace. ARRL Laboratory Manager and RFI guru Ed Hare, W1RFI, has cautioned that BPL deployment could mean "a significant increase in noise levels" on HF. "Right now with BPL/PLC, there are more questions than answers, and until those questions are answered, these systems should not be widely deployed," Hare said. "The time to raise and answer these questions is now. I truly hope that the NOI will provide a means for the FCC to do just that." The ARRL Lab has prepared a comprehensive information page, "Power Line Communications (PLC) and Amateur Radio," on the ARRL Web site http://www.arrl.org/tis/info/ HTML/plc/>. ARRL Lab staff members also plan to visit sites where BPL is undergoing field testing. The complete NOI is available on the FCC Web site http:// hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-03-100A1.doc>. The FCC now is accepting electronically filed comments via its Electronic Comment Filing System (ECFS) <http://www.fcc.gov/cgb/ecfs/>. Under ECFS Main Links, click on "Submit a Filing." In the "Proceeding" field, enter "03-104" and complete the required fields. Comments may be typed into a form, you may attach a file containing your comments or submit them via e-mail, per instructions on the ECFS page. The comment deadline will be 45 days after publication of the NOI in the Federal Register.

The ARRL Letter Vol. 22, No. 20 May 16, 2003 ==>AMATEUR RADIO TODAY SENT TO MEMBERS OF CONGRESS

A copy of the new Amateur Radio Today CD-ROM video presentation this week went out to all 535 members of the US Congress. The ARRL video tells Amateur Radio's public service story from a non-Amateur Radio perspective. Former CBS news anchorman Walter Cronkite, KB2GSD, narrates the six-minute presentation. "After viewing the video, I am sure you will agree that hams are a valuable public safety resource, and continued threats to the spectrum they operate on is

not in our national interest," say identical letters to their colleagues from US Rep Michael Bilirakis, a Florida Republican, and US senators Michael Crapo, an Idaho Republican, and Daniel Akaka, a Hawaii Democrat. The letters also seek additional cosponsors for The Amateur Radio Spectrum Protection Act of 2003. Bilirakis is the House sponsor of the Amateur Radio Spectrum Protection Act of 2003, HR 713, while Crapo sponsored the Senate version of the bill, S 537. Akaka is an original cosponsor of the Senate measure. The bills, an ARRL initiative, are on their third try in Congress. HR 713 and S 537 would protect existing Amateur Radio spectrum against reallocations to or sharing with other services unless the FCC provides "equivalent replacement spectrum" elsewhere. That would include reallocation of primary amateur allocations, any reduction in secondary amateur allocations, or "additional allocations within such bands" that would substantially reduce their utility to amateurs. The chairman of the House Subcommittee on Telecommunications and the Internet has agreed to hear testimony on the House version of the bill later this spring. The text of HR 713 and S 537 is available via the Thomas Web site <http://thomas.loc.gov/>. Individuals may order a copy of the Amateur Radio Today CD-ROM from the ARRL on-line catalog https:// www.arrl.org/catalog/?item=8861> or download it for free. Amateur Radio Today also is available in VHS videotape format. A subtitled (open-captioned) version also is available.

==>ARRL ADDRESSES CONCERNS, UNVEILS

"LOGBOOK OF THE WORLD" AT HAMVENTION One day of rain failed to dampen spirits at Hamvention 2003, and the weekend was full of friendship, new products, haggling, learning and fun. An estimated 25,000 attendees inhabited the Hara Arena complex near Dayton, Ohio, for the largest gathering of hams in the Western Hemisphere. The ARRL's concession buzzed with activity throughout the long weekend, as members took advantage of the chance to meet with League officers, field volunteers and Headquarters staff members, ask questions, buy books and other products, and, of course, to offer comments. ARRL CEO David Sumner, K1ZZ, said many questions centered around two topics: the new 5 MHz allocation and broadband over power line (BPL). ARRL President Jim Haynie, W5JBP, addressed a large audience attending the ARRL forum May 17. Haynie fielded questions that centered on the health and future of Amateur Radio and homed in on youth recruitment in particular. Haynie gave an overview of the ARRL Amateur Radio Education and Technology Program < http://www.arrl. org/FandES/tbp/>, which puts ham radio resources, equipment and a curriculum into classrooms at no cost to schools.

(Presidents Message Continued from page 1)

Because of our support of these events over the years we've gained enough of a reputation that we've also been approached to help with a bike race up in Idaho. This was kind of an eye-opener to me as I had always assumed that any fairly large community would have an active radio club such as ours to support these events. The person who approached me about the race was unaware of any local club up in his neck of the woods.

I think we often forget how important these activities are, not just to the community but to us as operators. Personally I have gained much more knowledge and experience by participating in events than I ever got from studying a book. I worry that one day our ranks will diminish to the point that we will no longer be able to provide this support and gain these experiences.

So come to field day, and sign up to help with a race or two. You'll have fun and maybe even learn something along the way.

Thanks and 73

N7XZ

VE Test Session Logan, UT

Saturday June 14, 2003 8:00 am Campbell Scientific 815 W 1800 North, Logan, UT 84321 For more information contact: Clyde Best AC7KN ac7kn@arrl.net PHONE: (435) 563-9492

<<<< Field Day >>>>

Field Day this year will be held At Beaver Creek near Beaver Mountain. Setup will be on Friday evening for any interested in helping. The contest runs from noon on Saturday June 28 until noon on Sunday June 29. On Saturday at 6:00 P.M. there will be a dinner, the club will provide hamburgers, hotdogs and fixings, and home-made root beer. Bring a food item of some sort, (salad, desert, etc.) a plate and an appetite. Also, come spend some time on the air, there will be control operators there, so regardless of your license status you can get on the air and talk to the world.

(ARRL News Continued from page 4)

He also touched on League activities regarding BPL and spectrum defense <https://www.arrl.org/forms/fdefense/ fdefense.html>. Wielding stacks of QSLs, more than 150 applicants took advantage of the on-site the ARRL DXCC card-checking booth. ARRL Membership Services Manager Wayne Mills, N7NG, estimated that checkers reviewed more than 16,000 cards in just over two days' time. ARRL volunteers and staff also participated in a number of specialinterest forums, with topics including DX, regulations, contesting, digital modes, youth education, RFI, and advanced technologies. At the DX forum May 17, Mills formally introduced the long-awaited Logbook of the World (LOTW) <http://www.arrl.org/lotw> to the amateur public. The secure server system allows participating operators to upload logs and confirm contacts for ARRL operating awards such as DXCC and WAS. The system will remain open for public beta testing through July 15, Mills said. New product announcements are a big part of the Dayton experience, with 2003 proving no exception. Among the scores of offerings, ICOM unveiled the feature-filled IC-7800, heir apparent to its high-end IC-781. The IC-7800 is expected to be available by year's end. Elsewhere, Ten-Tec showed off its new Titan III amplifier, while Elecraft introduced its new series of VHF transverters. At the TAPR Digital Forum, Gerald Youngblood, AC5OG, peered into the future of ham transceivers when he presented a fully software-defined radio that puts out 1 W of RF from the LF range to 60 MHz. Programming defines nearly every aspect of the radio, opening up the possibility of customizing the operating experience for different combinations of bands, modes and conditions.

The ARRL Letter Vol. 22, No. 22 May 30, 2003 =>HAM-PIANIST CLOSING IN ON HALFWAY POINT IN RUN

Concert pianist Martin Berkofsky, KC3RE, is closing in on the halfway point in his CelebrateLifeRun <http://www. celebrateliferun.com> from Tulsa to Chicago. A cancer survivor and an ARRL member from Northern Virginia, Berkofsky set out April 9--his 60th birthday-on an 860-mile jog to celebrate his recovery from cancer and to raise money for research into the disease. Berkofsky-who has ham gear, including APRS, along with him-was 380 miles into his journey and some 20 miles south of Hermann, Missouri, as of mid-week. Berkofsky reports he's made many new ham radio friends in his travels, and he's hoping for an invitation to operate Field Day with an Illinois ham club group. "So far he has found local folks-sometimes Amateur radio enthusiasts, sometimes cancer survivors-to put him up for the evening or drive him to his next base camp," said Joni Shulman, assistant research director of the Cancer Treatment Research Foundation in Tulsa. "Thanks to the generosity of total strangers, Martin has spent only two or three nights in motels." The CTRF will benefit from money raised during Berkofsky's run. Berkofsky has scheduled some benefit concerts along his route, including Rolla, Missouri, May 30; June 2 in Hermann, Missouri; and June 12 in St Louis (at Webster University). "St Louis will mark halfway through the run with my target arrival in Chicago 11 August," Berkofsky told ARRL. "I have managed to always keep a few days ahead and to run a few extra miles most days, weather allowing." Follow his progress via the Internet http://www. celebrateliferun.com/route.cfm>.

Questions for General Class License

1. (G1C04) What is the maximum transmitting power an amateur station may use on 21.150 MHz?

- A. 200 watts PEP output
- B. 1000 watts PEP output
- C. 1500 watts PEP output
- D. 2000 watts PEP output

2. (G1E05) What types of messages may be transmitted by an amateur station to a foreign country for a third party?

- A. Messages for which the amateur operator is paid
- B. Messages facilitating the business affairs of any party

C. Messages of a technical nature or remarks of a personal character

D. No messages may be transmitted to foreign countries for third parties

3. (G2A04) Which sideband is commonly used for 10-meter phone operation?

- A. Double
- B. Lower
- C. Amplitude compandored
- D. Upper
- 4. (G2C03) If a disaster disrupts normal communic a-

tions in your area, what may the FCC do?

A. Declare a temporary state of communication emergency

B. Temporarily seize your equipment for use in disaster communications

C. Order all stations across the country to stop transmitting at once

D. Nothing until the President declares the area a disaster area

5. (G2E06) In which International Telecommunication Union Region is the continental United States?

- A. Region 1
- B. Region 2
- C. Region 3
- D. Region 4

6. (G3C08) Why are HF scatter signals usually weak?

A. Only a small part of the signal energy is scattered into the skip zone

B. Auroral activity absorbs most of the signal energy

C. Propagation through ground waves absorbs most of the signal energy

D. The F region of the ionosphere absorbs most of the signal energy

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