



THE OHM TOWN NEWS

Voice of the Bridgerland Amateur Radio Club

OCTOBER 2002

It's been a great summer of activities!



PRESIDENTS MESSAGE

First of all I would like to give a big thanks to Rik N7XZ , Ken KC7QES and Brett N7UXA for all there hard work on LOTOJA and the Top of Utah Marathon! Every year we come back from these big events learning something new that will assist us better the next year. And with these events getting bigger each year we must improve on our communications skills! Helping out with public service communications is a big part of what Ham Radio is all about. Without these practical exercises we will not learn the communication skills that will be necessary if we have a real emergency and are called on to help!

Club meeting resumes this month at the Hyde Park City offices beginning at 7:30 p.m. Topic will be Emergency preparedness. Captain/First Deputy Bob DeGasser is coming to do a presentation on emergency preparedness. This should be a good primer for our upcoming ARES/RACES exercise coming up on October 26th. Stay tuned to the nets for more information on this exercise.

(Continued on page 5)

TOP OF UTAH MARATHON

Cache Valley has once again served as a showcase for one of the nations fastest growing Marathons in numbers and popularity. On Saturday Sept. 21, approximately 1500 runners came to Cache Valley for the 4th annual running of the Top Of Utah Marathon. They came from as far away as Japan, and Kenya, as well as from most of the states. The number was down a bit from the past couple of years, the race directors felt this was due to the state of the economy, and perhaps a few who are not yet comfortable with flying on commercial airlines. The race directors and local community economic development officials believe this race will continue to provide a much needed boost to the local economy as long as the valley hosts this event. It continues to be an amazing event to participate in as a volunteer organization. Much of the tremendous effort required to stage such an event remains hidden from view to all but a few, including The Bridgerland Amateur Radio Club. The race is spearheaded by the Cache Sun & Snow Runners, a

(Continued on page 3)

Club Officers

President

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

Vice President

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

Secretary

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

Treasurer

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

Board Members

Cline Hendrickson K7KE
clineh@xmission.com
(435)563-3184

Julie Dabb KC7RPP
juliebugbug@hotmail.com
(435)797-6724

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

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

HAM PROFILE

by Boyd Humpherys W7MOY

How would you like to have someone anticipate every question you were going to ask and often come up with the answers before you got around to asking? Well with a call like N7ESP, John Woertendyke has a little edge over most of us. John has posted a General ticket since the mid 80s when he picked it up in Spokane, WA.

He owns an ICOM 706 and generally uses a 15 meter dipole for a sky wire, but his setup is something we all might yearn to have. The whole set up is aboard his prize possession the CAT TRAX, a 32' Catamaran usually berthed in Indian Town, Florida. We'll talk about some other stuff while you hunt for the Atlas. More on the Maritime Mobile later.

John was born in Topeka Kansas and when asked where else he might have paused, it was like reciting the whole 50 states. It started off with Kansas for a bit, Texas, Florida, Colorado, Utah, Washington, Hawaii, Guam, and to top it off, how about New Zealand. The family emigrated to New Zealand where his father Howard taught Geology and then Electronics in the school system. John graduated from High School there and worked for a spell for the Post Office Dept. Which incidentally handles the licensing and other procedures for the Ham community.



John Majored in Biology at the University of Idaho at Moscow. (Another spud state import) A certain gal by the name of Linda McWilliams happened to be working on an MS in Biology also at the University. They just happened to have some class projects together. To make a long story short, they became Mr. & Mrs. See what a higher education does for one.

Linda first saw the light of day through the smog at Sacramento, CA, ultimately attending the University of Idaho. She claims the title of homemaker, Boson's mate, and tag along. She incidentally taught at Logan Hi for a short time.

John was President of the University Radio Club there for a spell and tells an interesting story on how he learned to master Morse code. It's one that probably none

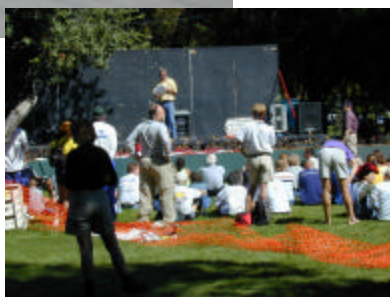
(Continued on page 4)



(Top Of Utah Marathon continued from page 1)

local running club. The service provided to the runners on race day, in the form of aid stations along the route, medical assistance, start and finish line support, transportation, food, participant registration and tracking, and a myriad of other support roles, is provided by organizations such as student groups, local churches, large and small businesses, clubs of various sorts, communities, and state and local public safety entities. We have been very fortunate as a service organization to be a part of this great event since its inception in 1999.

This year the Bridgerland Amateur Radio Club was again the primary source of communications on the race route. I visited with a friend of mine who works as a Paramedic for the Logan Fire Department and he indicated just how much even the public service people depend on the communications we provide as amateur radio operators. We have staffed the race in much the same manner for the last 3 years now, trying to improve and refine our operations each year. Radio operators at the starting line announce the start of the race to everyone who is volunteering along the race route. We have an operator who rides along with the race official to answer questions from anywhere on the race course. We have operators who provide health and welfare traffic, and supply requisitions from the 14 aid stations along the the race. Operators are in each of the two sag vans that roam the course, they are equipped with voice and APRS. We have an operator who monitors the public service frequencies as well as the amateur frequencies on which race communications are taking place. In this way we can convey any traffic concerning the health and welfare of race participants to public service officials. This year there were two emergency calls via ham radio, for ambulance services. We thank Smithfield City (Comm 40) and Dixon Allen for their contribution to our efforts. We have operators at the finish line to coordinate with race officials and volunteers out on the course. We have an operator obtaining the numbers of runners approaching the finish line and calling them in to the finish line. The operator at the finish line records the numbers and gives them to the announcer so he can announce their names as they cross the finish line. They all work together to keep the race and its participants running smoothly.



It has been very rewarding as amateur radio operators to be participating again this year. I have heard many compliments from race officials and runners who recognize and appreciate our efforts, and all of the many volunteers. It is sometimes a challenge to obtain the necessary help in preparation for this event. We have been using from 25 to 30 operators over the last few years and will need this many and more as the event grows and we refine our operation. It is an extra challenge to obtain volunteers as the Marathon follows the LOTOJA bike race by only one week. I hope that those who have been so dedicated in their service to this event will join us again in years to come, we appreciate your service and sacrifice. I also extend an invitation to those who have not been a part of the club's Volunteer effort with this race or other events, to come out and join in the fun. It seems that each year we are asked to provide more and more public service, and so it is easy to see that we will have an increasing need for those willing to lend a hand. It is a great privilege to serve the community and it is incumbent upon each one of us as amateur radio operators to be ready and willing to serve. It is the primary reason we exist as a communication service.

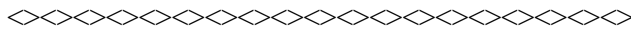
A big thanks this year to operators Jodi Reese KC7CVI, Paul & Bonnie Hoth N1IM & KC7DGP, Russ Tarbet KJ7UP, Stan Wellard W7SJW, Wally Kohler N7YTL, Neil, Julie and Kelly Dabb KC7GCL, KC7RPP & KD7NVV, Garth Miksell KC7VSZ, Jay Williams KB7RAZ, Kameron Swan KC7KDC, Steve Livingston KD7HIS, Cline Hendrickson K7KE, Dale Cox KB7UPW, Ray and Grant Robison KD7GNV & KD7EOY, Dave Fullmer N7RRZ, Ken Buist KC7QES, Ted McArthur AC7II, Rik Stallings N7XZ, Bob Pack VE7RTP, and Dixon Allen KC7SJK. Thanks also to those willing to participate but were not able to do so on race day.

Brett R. Butler N7UXA
Chairman TOUM

(Ham Profile continued from page 2)

of us can duplicate. His father Howard, who incidentally got his ticket way back when tubes were the big thing, when taking the family on outings and other activities, used to take out the pocket knife and come up with some neat willow whistles. You guessed it, he used to pipe out some shrill dits and dahs, till John mastered the sounds. He claimed that was the only real way to do it.

John spent 4 years in the Coast Guard in the mid 70s, and having had some experience in Electronics, did well in the advancement program and was able to choose his duty location. Having an affinity for Pineapple juice he wound up in Hawaii, (terrible duty), as an Electronic Tech in the Aviation sector. He accumulated some air time in the C-130 aircraft. He also spent some time in Guam while Linda taught school. They now have a summer home in Cove. While at these two locations he came down with a serious affliction known as sail boat itis. He's never gotten over it and now he and Linda spend most of the winter seasons sailing the Bahamas which would make most of us land lubbers cry, especially if one had to leave our Cache Valley winters. Their 32' CAT is equipped with solar cells, battery and typically a 15 meter dipole. They get involved with packet air mail and a few other good modes to keep in touch with the real world. It's only 50 miles, an overnight cruise from Florida, then off to explore the Exumas, a 200 mile chain stretching out from the Bahamas. Sounds fun, but wouldn't you rather be shoveling snow?

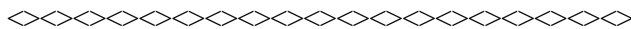


10 October 7:30 p.m.
BARC Club meeting
Hyde Park City offices

19 October
JOTO—Jamboree on the Air

26 October
ARES/RACES exercise
Listen to NETS for more information.

VE Test Session
Coming up at 8:00 a.m. on 14 December 2002
At Campbell Scientific Inc.
815 West 1800 North
Logan, Utah



Answers to questions on page 6:
1-C, 2-B, 3-A, 4-C, 5-D, 6-A, 7-B

A few words from the Editor

Two of the major activities that the Club has been involved with this summer have been the LOTOJA bicycle race (9-14) and the Top Of Utah Marathon (9-21).

For LOTOJA it was again a record number that registered, over 700. There were the usual problems in the preparation stages with unknown information about the construction and routes. At the last minute it was decided to avoid the construction in the Snake River canyon, so the end of the race was changed to Swan Valley. The end of the race didn't have the fanfare that it usually has when it has gone on to Teton Village by Jackson. There was the advantage that it was about 20 miles shorter, and it did complete a bit sooner, which helped those slower riders at the back. Some of the other goings on included trackers with most of the packs of riders this year. It allowed some of those trying to monitor the race more info about where the bulk of the race had gotten to. Another last minute change, one of the big new hotels in Teton Village that was a sponsor of the race was not completed on schedule and was not open by race time. They were to provide some of the rooms for the racing staff and others to stay at, and were to sponsor a dinner for all those that helped with the race. So of course there were last minute changes with those items too. We did have some help from the radio club in Jackson, they staffed one of the feed zones, and helped with some other areas. It's great to get input and help from others that are interested in helping. Over all, the race went well, no one was seriously hurt, it was another great success.

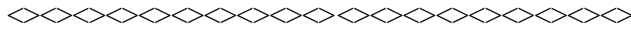
The Top Of Utah Marathon seems to have also had its problems and its successes. They finally got enough people to help and man the different areas of support. Due to travel problems and economic conditions there were some that were not able to participate this year, so the number of runners was down slightly, but there were still about 1500 that ran in the marathon. That is a lot of runners! There were very few that did not complete the race. I helped close to the finish line so was not able to get a very good over all view of the race, but from my perspective I was able to see the runners as they were about to finish. Completing a marathon is a feat in and of its self, I don't think I would have made it that far. I admire those that did run in the race. I also admire all those that helped in making it a great success. Brett Butler was the Chairman and net control, and many others helped up and down the length of the course.

Editor
Dale Cox KB7UPW

(Presidents Message continued from page 1)

Also with winter coming up on us it is a good opportunity to get out and check out your antennas and feed lines before the snow fly's! The thought of climbing up on the roof in the snow is not very alluring to me!

See everyone at Club meeting!
73 de Tyler N7UWX



==>VINTAGE 1AW QSL BRINGS RECORD PRICE

We're not certain if ARRL co-founder and first president Hiram Percy Maxim would have been proud or surprised to know that one of his old 1AW QSLs apparently set a price record for the sale of a single QSL card. A 1923-vintage HPM 1AW card recently went for \$2125 on the eBay auction site <<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=2131624991>>. Neither the seller nor the buyer have been identified, but ARRL member Paul Cassel, VE3SY, of Petersburg, Ontario, Canada, acted as the sale agent and posted the card on the auction site. "The winning bidder is in California and is a very serious QSL collector," he said after the auction closed. Cassel pledged to donate half of his sale commission to the W1AW Endowment Fund <<http://www.arrl.org/endoww1aw.html>>.

The 1AW card appears to verify reception of 9CTR on a wavelength of 193 meters rather than a two-way contact. "You were calling another 9," Maxim wrote in the card's "Remarks" section. Although the card proclaims "American Radio Relay League Station 1AW" across the top, the now-famous call sign was Maxim's own personal call sign at the time, not the League's, and Maxim operated from his home on Hartford. Until the 1AW card sale, Cassel says the highest known price paid for a single QSL card was more than \$1100 for an AC4YN QSL from the Tibet DXpedition of Sir Evan Nepean, G5YN, who died last March at age 92.

==>ARRL OFFICIALS UPBEAT ABOUT REACHING 5-MHZ COMPROMISE

ARRL President Jim Haynie, W5JBP, and General Counsel Chris Imlay, W3KD, say they're optimistic about reaching a resolution to issues that could otherwise block plans for a new 5 MHz band. Until surprise opposition surfaced from the National Telecommunications and Information Administration (NTIA), the FCC appeared to have put ARRL's request for a new, domestic-only, secondary amateur allocation at 60 meters on the fast track. In an eleventh-hour move a month ago, the NTIA recommended in a letter to the FCC—sent after the comment deadline—that the Com-

mission not go forward with a proposal for an Amateur Radio allocation at 5250 to 5400 kHz. The NTIA regulates radio spectrum allocated to the federal government. "We are working together with the Federal agencies involved toward a solution of the impasse raised by the NTIA letter," Imlay said after he and Haynie attended a series of meetings September 19 in Washington, DC. Acting NTIA Associate Administrator for Spectrum Management Fredrick R. Wentland had said in an August 21 letter that critical federal agencies, including the Department of Justice, the US Coast Guard and the Department of Defense, were making extensive use of 5 MHz frequencies. He worried that the 5 MHz proposal the FCC put forth last May at the ARRL's request "does not adequately provide for protection from harmful interference to these critical government operations." After initially huddling this week with NTIA and FCC officials and staff members, Haynie and Imlay met face-to-face with representatives of the agencies involved to share mutual concerns. "They are willing to work with us," Haynie said. "Chris and I left feeling a whole lot better." Haynie said hammering out some differences will involve some further meetings—including one with the US Navy—but that he and Imlay were feeling much more positive about the situation. "I feel confident we'll get something," Haynie said. "I don't think we'll get everything we want, but it's certainly a start, and it's a lot better than what it was this time last week." One difficulty in the negotiations is that some of the information on the government's use of the 5-MHz frequencies involved is classified. "We were given some hints about the sensitivity and the seriousness of some of the activity that's going on," Haynie said, "and we fully appreciate that now—more so than before—because we just didn't, and couldn't, know. The important thing is that we have established a good working relationship with the Justice Department and the Coast Guard." Imlay said the discussions tended to center on power restrictions and frequencies but emphasized that no decisions were reached. The ARRL proposal called for a 150-kHz wide band and the full legal power limit. Imlay hinted, however, that perhaps a smaller band than the one requested coupled with some power output limitations, was a real possibility. The ARRL has called the 5 MHz allocation "an urgent priority of the Amateur Service" and has asked that the proceeding to grant it be expedited. Until the latest snafu, the FCC had been expected by early next year to issue a Report and Order on proposals for the 5-MHz band, a new low-frequency allocation in the vicinity of 136 kHz and primary Amateur and Amateur-Satellite status at 2400 to 2402 MHz.

Questions for Extra Class License

1. (E1B12) What must an amateur obtain before installing an antenna structure more than 200 feet high?
 - A. An environmental assessment
 - B. A Special Temporary Authorization
 - C. Prior FCC approval
 - D. An effective radiated power statement
2. (E1D01) What is RACES?
 - A. An amateur network for providing emergency communications during athletic races
 - B. The Radio Amateur Civil Emergency Service
 - C. The Radio Amateur Corps for Engineering Services
 - D. An amateur network for providing emergency communications during boat or aircraft races
3. (E1E02) Which HF amateur bands have frequencies available for space operation?
 - A. Only 40 m, 20 m, 17 m, 15 m, 12 m and 10 m
 - B. Only 40 m, 30 m, 20 m, 15 m and 10 m
 - C. Only 40 m, 30 m, 20 m, 15 m, 12 m and 10 m
 - D. All HF bands, but only in the Extra class segments
4. (E6A16) What do the initials CMOS stand for?
 - A. Common mode oscillating system
 - B. Complementary mica-oxide silicon
 - C. Complementary meta-oxide semiconductor
 - D. Complementary meta-oxide substrate
5. (E7B06) What can occur when a nonlinear amplifier is used with a single-sideband phone transmitter?
 - A. Reduced amplifier efficiency
 - B. Increased intelligibility
 - C. Sideband inversion
 - D. Distortion
6. (E8B09) How can the unwanted sideband be removed from a double-sideband signal generated by a balanced modulator to produce a single-sideband phone signal?
 - A. By filtering
 - B. By heterodyning
 - C. By mixing
 - D. By neutralization
7. (E8C04) What digital communications system is well suited for meteor-scatter communications?
 - A. ACSSB
 - B. Packet radio
 - C. AMTOR
 - D. Spread spectrum

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

October, 2002

Some Contents...

Presidents Message	1
Top Of Utah Marathon	1, 3
Club Officers.....	2
Ham Profile: John Woertendyke	2
LOTOJA / TOUM	3
ARRL news info	5

