



THE OHM TOWN NEWS

Voice of the Bridgerland Amateur Radio Club

September 2004

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

Presidents Message

It is hard to believe that fall is almost here and school is back in session. I had a very busy summer, between traveling for work and a family vacation at Lake Powell. After traveling around, I can tell you that we have one of the friendliest repeaters around. It's the people that make it so friendly. Before heading off to the east coast this summer, I looked up a couple of IRLP nodes in the area, found websites about the systems, sent some emails off, asking if their system was open and if I could use it while I was visiting.



Well, it is now 10 weeks later and still no reply from either one. I have since visited their town, but could not raise anyone there to get some information.

While traveling in Southern Utah I tuned into a mountain top repeater. For more than 6 years I have put out a call on this repeater hoping to strike up a conversation with folks as I pass through. Hum, no reply to me. I know stations are monitoring the frequency because I hear calls to specific stations that call back, just not to a stranger passing through. One time I gave up and called CQ on a simplex frequency. This time I got a call back, another ham traveling I-15 from California. We had a great chat, and even hooked up at a restaurant for lunch. I hear people all the time striking up conversations on the 72 with someone they may have not known before. Let's continue this. I hope more people will monitor the repeater in the evenings.

Our September club meeting will feature our pot luck social on the 9th of September at the Hyrum Gibbons Mt. Logan Park. Bring your favorite main dish, a salad, or desert. Bring your own plates, the spouse and the kids if you've got em. Home made root beer will be provided. You will notice a ballot for Vice

(Continued on page 3)

HAM PROFILE

by Boyd Humpherys W7MOY

If you ever get bent out of shape, you never want to stay that way long, a little activity, both physically and on the air will do wonders. Incidentally one of our good fellow Amateurs could give you excellent advice on both aspects. None other than Lanny Nalder K7BAS, who hails from Sauerkraut town. Lanny was around up in Idaho when 75 meter mobile was the rage. That might disclose a time period however his Elmers did a good job. Lanny was born in Shelly Idaho of goodly parents, so he says and I would venture to say that all Amateurs started out that way. At present he sports a well used 2 m HT and a vertical on the roof, a sure sign of the affliction. Lest you think he is a latecomer, he has a general ticket, started with the hobby back in 57. An interesting story unwinds here which some of you may relate to.

His father while in Shelly, got the bug and was licensed as K7GNS, due largely to the efforts of one Louis Cox W7ACD. If any of you can remember back when Louie, as we used to call him, was on the air, mainly 75, at all the hours of most days. That gang used to play checkers on 75 and there was more than one of the listeners who rigged up two checkerboards and followed these games with avid interest. Now the boob tube has robbed mankind of some good clean fun.



Apparently Louie had more gear than one could ever imagine and he supplied Lanny's father and the crew with all sorts of stuff, which when fastened into the front seat of the family carriage, didn't leave

(Continued on page 4)

Events Calendar

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?????
?????

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Summer Activities and Events.

Many summer activities are over, but there are some of the big ones still to come. 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.

September Club Meeting: Sept 9th 2004 (Thursday)

Club Potluck dinner at 6:00 PM and LOTOJA meeting to follow. It will be at Hyrum Gibbons MT Logan Park on 1400 East and about Center street. Up on Cliffside. Bring your own plates and utensils. Cups and root beer provided.

CACHE CLASSIC BIKE RACE - September 3-6

Mostly Sat & Sun is when our help is needed

Weekly Net: Sept 7 at 9:00 P.M. with some additional testing of frequencies for upcoming activities

LATOJA - September 11

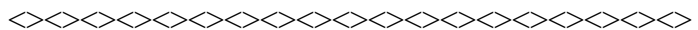
TOP OF UTAH MARATHON - September 18

BEAR 100 - September 25

October Club Meeting: October 9th 2004 10 AM

Solar Power with Jim Brown. BARC is pleased to announce our new meeting location will be the Cache County Sheriffs Complex on 200 North and 1225 West.

JOTA Jamboree on the Air - October 16, 17



Solar Power for October Club Meeting

Jim Brown was first licensed in 1977 as WB7UJP. He upgraded to Amateur Extra in 1981, and was issued the call sign of NA7G. His operating interests center around CW traffic nets, voice nets, and general operating. Add a sprinkle of DX, and a dash of Packet. On the technical side, he enjoys solar power projects and antenna projects. His first solar panels were installed at his residence in 1984, with a homemade charge controller. It's still working fine, and provides power for the ham station. His latest project includes a 1.8 KW solar installation at a cabin in SE Idaho, which provides power for the cabin, well, full time AC refrigerator, and a 1 KW HF station. His latest antenna project is a full wave loop on 160 meters, horizontally polarized, at ~ 50 feet high.

In the 80's, he served 2 terms as the Utah Section Manager. Also, he has served as the Utah Section Emergency Coordinator and as President of the Davis County Amateur Radio Club. Currently, he's the Utah Section Traffic Manager and Net Manager, Beehive Utah Net.

(Ham Profile Continued from page 1)

much room for even the driver. Lanny's father installed a 75' wooden mast, something like 2'-3' in diameter at the base, courtesy of the local power company. All sorts of good sky wires went skywards on this little gem. I had to ask who climbed the thing when the radiators went up or down. Well it seems the answer was a stout pulley at the top, yards of rope, and with the aid of most of the neighbors, up it went, and down as well.

Lanny spent some time in St. George, not missing a beat with the hobby mind you. He attended BYU on a basketball scholarship, gained a BS in Health Science, a masters from the lair of the Red Skins in SLC in Exercise Physiology. If I got that one wrong, he'll twist my arm.

He came to USU in 69 and spent 30 fruitful years counseling most of us lubbers to get up off the rack and burn a few calories. I know, that's exactly what he told me on occasion. He retired in 99 and contrary to popular custom, refused to have anything to do with the boob tube and the rocking chair. He currently plays basketball three days a week at USU, gets involved in skiing on the white stuff in the winter,

and on the water when it melts.

Lanny served a mission for his faith in Australia, and we had a good time comparing notes on Koalas and Vegemite. He recommends a goodly layer of the latter stuff on some warm toast each morning, "it's good for what ails you". Sound advice for those who haven't tried it as yet. He also later served as the good shepherd for about 70+ Elders & Sisters in Arizona and adjoining states, learned enough Spanish to chastise a few on occasion to toe the line.

Lanny's wife Bonnie Davies, now retired from teaching, has shared her talents in some 10 districts, Sky View, several middle schools.

They have three children, Laren KC7OLN, Nancy KC7OLV, & Laina KC7ICS. He also has a brother K7BCE. Now that ought to tell you something about where the effort went in that family.

He indicated his good frau Bonnie recognized the value of the hobby and encouraged the houseful to get involved and make use of it, which they have over the years. Lanny indicated he has reported several accidents via the mobile rig, being eye witness to a couple. That's when it counts and makes it all worth while, don't you think? Good on Ya, Mate & 73s.

Proxy (Absentee) Ballot and List of Candidates

For year 2004 Officers of the Bridgerland Amateur Radio Club

Voting at the September Club Meeting

Thursday, September 9th, 2004 held at

Hyrum Gibbons Mt. Logan Park, beginning at 6:00 PM

Important Instructions: *If you are unable to attend the above meeting and wish to vote you may mail this ballot to any club officer in time to be in their hands before the meeting time noted above, or, you may seal the ballot in an envelope and send it with someone to be handed to a club officer at the meeting. If you need help, please contact any club officer.*

YOU NEED TO BE A CURRENT MEMBER OF BARC TO VOTE

For Vice-president (Vote for one)

- Tammy Stevens N7YTO
- Ted McArthur AC7II
- *Write In _____

**You MUST get approval from a write-in candidate before submitting their name for office, Additional nominations will be accepted from the floor at the meeting, with the approval of the nominee.*

The ARRL Letter Vol. 23, No. 30 July 30, 2004
==>AMSAT "ECHO" SATELLITE OPENS FOR FM
VOICE TRIAL RUN

AMSAT-NA's new "Echo" satellite (AO-51) has been turned on for general use in FM repeat mode for a trial period of about three weeks. During that time, command stations on Earth will monitor AO-51's power budget and adjust the UHF Transmitter B (TX B) power as needed for good battery management. They'll also be watching the AMSAT Bulletin Board e-mail reflector, amsat-bb@amsat.org, for reports of how Echo is working. "We are most interested in hearing about how well Echo hears you and how well you hear it," said the Echo Command Team—Jim White, WD0E, and Mike Kingery, KE4AZN—in an AMSAT bulletin. White and Kingery note that this is a trial period of the FM voice repeater. The digital portion of Echo is not yet open for use. AMSAT Vice President for User Services Bruce Paige, KK5DO, says reports of successful QSOs on Echo's first day of operation came from all over the world, including the US, Brazil, New Zealand and Germany. A Russian Dnepr LV rocket carried AO-51 and several other payloads into orbit June 29 from Baikonur Cosmodrome in Kazakhstan. The 10-inch-square microsat, circling some 800 km above Earth in a sun-synchronous orbit, will permit voice communication using handheld transceivers. The digital transponder and the store-and-forward BBS, are not yet open for general use. Initially, the AO-51 downlink transmitter was running at about 0.5 W. At that power level, AMSAT says, Earth stations will need a small directional antenna to hear it. If onboard power permits, ground controllers will slowly increase the transmitter's output during the trial period. The Echo FM voice uplink frequency is 145.920 MHz, and the downlink is 435.300 MHz. The downlink transmitter will come on when it hears an uplink signal with a 67 Hz CTCSS (PL) tone for about 1 second, and it will stay on for 10 seconds after that signal goes away. "This operation is just like a terrestrial FM repeater with a 1 second 'kerchunk' filter and a 10 second hang time," AMSAT noted. Transmitter A (TX A), now sending telemetry, generally will continue to operate on 435.150 MHz. AMSAT points out that Echo, which launched June 29, is still "wobbling a great deal," so the downlink polarization sense will vary. The Echo Command Team says it expects Echo will be heavily used during the first few days of the trial period. "It is good amateur practice and common courtesy to let everyone have a chance," they said. "Echo will hear you as well as or better than any previous amateur FM repeater satellite." With hundreds of stations trying out AO-51, ground controllers say they expect the transmitter will be on continuously when the spacecraft is over populated areas. The Echo satellite project is still some \$800K short of the \$1.1 million that was needed to launch the spacecraft. AMSAT guaranteed the full fare by borrowing from its dedicated funds, which now must be repaid. AMSAT—a 501(c)(3) organization—welcomes additional donations to bridge the funding gap. Visit the AMSAT AO-Echo Web page for additional details.—AMSAT News Service



command post. "We're out in the field trying to handle so many different things that it's almost overwhelming," he said five days into the activation. By week's end, the need for additional ARES volunteers in the Hurricane Charley relief and recovery effort had stabilized. Communications and Warning Officer John Fleming, WD4FFX, of the Florida Division of Emergency Management (FDEM) told ARRL that ham radio volunteers already on duty in the five most severely affected counties were holding their own in maintaining necessary emergency communication. But he advised Amateur Radio volunteers to remain at the ready, just in case, and recommended that ARES teams, clubs and individuals work through their ARES Section Emergency Coordinator. The FDEM says Hurricane Charley caused two dozen deaths and nearly 4000 injuries, and almost a quarter-million residents were still without power at week's end. Other reports indicate that as many as 10,000 homes were badly damaged or destroyed. The most severely stricken communities are in largely rural areas of western and central Florida made up of smaller towns. Among other storm relief duties, hams have been part of an effort to check on residents and determine what they need and to "make sure everyone's okay," Armbrust said. Amateur Radio operators have been handling emergency traffic and assisting the Federal Emergency Management Agency (FEMA) in setting up HF communication to the state emergency operations center in the capital of Tallahassee. ARES also has provided communication for search-and-rescue teams and supported American Red Cross and The Salvation Army humanitarian relief efforts. In addition, ARES operators handled outgoing health-and-welfare traffic from storm victims now taking refuge in shelters, provided or supplemented public safety communication and even took on some dispatching duties. Amateur Radio volunteers also deployed to hospitals, some of which have experienced spotty communication. Several VHF and UHF repeaters have been buzzing with emergency traffic all week. Armbrust emphasized that Hurricane Charley cut a broad swath across Florida, and the devastation was widespread. "This looks like a war zone," he remarked. Hot, humid weather has aggravated the relief effort, especially for emergency medical service personnel who not only are dealing with storm-related health issues but with those resulting from the heat. ARES teams from Florida Miami-Dade, Martin, St Lucie, Broward, Okeechobee and Palm Beach counties deployed to relieve or assist the amateur operators on duty in the affected communities. In Sarasota County, Ron Wetjen, WD4AHZ, has been working at the county EOC and assigning volunteers to assist in neighboring Charlotte County, where Armbrust has been holding down the fort. "We've had offers of help from guys in Montana, Ohio, and New York!" Wetjen said August 19. "We have a couple from Tennessee here now, with two more on the way for the weekend." The Salvation Army Team Emergency Radio Network (SATERN) on 14.265 MHz spent nearly five days in continuous operation. It's also used Amateur Radio for its logistical communications. The Salvation Army has been providing meals, household necessities and other assistance to residents displaced by the storm and has been relying on its own Amateur Radio resources. SATERN also has taken on responsibility for health-and-welfare inquiries, both via Amateur Radio and through its Web site <<http://www.saturn.net>>. In advance of the storm, SKYWARN teams were active the Hurricane Watch Net and WX4NHC at the National Hurricane Center cooperated to gather ground-level weather data and damage reports. "It seems as if the Amateur Radio world is listening and waiting to help when an event such as this occurs," observed SATERN National Director Pat McPherson, WW9E, "and it's edifying to realize the positive impact of their dedication to the task of helping others."

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The ARRL Letter Vol. 23, No. 33 August 20, 2004

==>HAM RADIO "ONLY RELIABLE COMMUNICATION" AT HURRICANE CHARLEY GROUND ZERO

Once again, Amateur Radio has proven its value in an emergency. With conventional telecommunication systems unreliable and power still out after the Category 4 Hurricane Charley blasted across the Florida Peninsula August 13, Amateur Radio has proven to be a communication mainstay. "The only reliable communication we have here is Amateur Radio," ARRL West Central Florida Section Manager Dave Armbrust, AE4MR, told ARRL earlier this week. He was one of the three dozen ARES volunteers at the Charlotte County

Questions for Technician Class License

1. (T1A08) What is an amateur space station?
 - A. An amateur station operated on an unused frequency
 - B. An amateur station awaiting its new call letters from the FCC
 - C. An amateur station located more than 50 kilometers above the Earth's surface
 - D. An amateur station that communicates with the International Space Station
2. (T1B10) If you are operating on 28.400 MHz, in what amateur band are you operating?
 - A. 80 meters
 - B. 40 meters
 - C. 15 meters
 - D. 10 meters
3. (T3B01) When a signal travels in a straight line from one antenna to another, what is this called?
 - A. Line-of-sight propagation
 - B. Straight line propagation
 - C. Knife-edge diffraction
 - D. Tunnel ducting
4. (T5B02) What identification, if any, is required when two amateur stations end communications?
 - A. No identification is required
 - B. One of the stations must transmit both stations' call signs
 - C. Each station must transmit its own call sign
 - D. Both stations must transmit both call signs
5. (T8A02) If your mobile transceiver works in your car but not in your home, what should you check first?
 - A. The power supply
 - B. The speaker
 - C. The microphone
 - D. The SWR meter
6. (T9A01) What is the purpose of repeater operation?
 - A. To cut your power bill by using someone else's higher power system
 - B. To help mobile and low-power stations extend their usable range
 - C. To transmit signals for observing propagation and reception
 - D. To communicate with stations in services other than amateur
7. (T0A01) What is the minimum voltage that is usually dangerous to humans?
 - A. 30 volts
 - B. 100 volts
 - C. 1000 volts
 - D. 2000 volts

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Some Contents...

Presidents Message	1
Ham Profile: Lanny Nalder.....	1
Events Calendar	2
Election Ballot for BARC Vice Pres	4
ARRL News	5

