



THE OHM TOWN NEWS

Voice of the Bridgerland Amateur Radio Club

Summer 2004

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

Presidents Message

Thanks to everyone who came out to our last club meeting. Rich Fisher NS7K from the Davis Amateur Radio Club spoke to us about HF and contesting. He and Jim Lofthouse K7OA get together every year for the 160 Meter contest. I had the privilege of going out and seeing them in action. I wish I had the talent to copy the code like they do. It is amazing to watch.

I would like to thank the members of the repeater committee and the Sheriffs communication team. They have been busy already this year. The APRS digipeater went down earlier this year. A temporary one was installed and a new one has been built and I hear it is ready to go. The .64 repeater was taken off the air and moved to the new Sheriffs office. The group is looking at options for installing it there, including putting it in a smaller rack and placing it up in the mechanical room on top of the building. We should have excellent coverage there. It is anticipated that the outpatch will be located there as well. The Sheriffs Communication group will be working to set up the EOC as well. Thanks to all of you who help out in these endeavors

Summer Activities

Summer is upon us, and it is time once again for all of our community service events. Please sign up to help with an event or two. The newsletter list these and the dates. I had the privilege of going up to the Cache Valley Rendezvous to be a communicator in-case help is needed. On Tuesday and Wednesday over 3000 school kids from around the northern part of the state make a trek to the Rendezvous. We have several ham radio operators that also participate in the rendezvous as mountain men and women. The staff at the rendezvous expressed appreciation to me for our assistance.

The Cache Valley Biathlon will be coming up in June. We could use some more help with it. All you need is a handheld radio for it. We still need a dozen more folks for LOTOJA. The board will be meeting with Epek on June 10th at 7:30 PM to discuss this years LOTOJA. Then there is the cruise in and top of Utah events coming soon.



Field Day

Field Day is June 26th and 27th. You can ready more about it in another article. We have a new location we think will work great for us. It will be a private area, so we will not have to worry about bothering other folks, or getting there to a sold out camp site. The site will require some skill in getting antennas in the air. Read more about this in the newsletter.

Cooks Needed

We need someone to spearhead the meal on Saturday night at 6:00 PM. This has been a highlight of our club and many people come up just for the meal. Please someone help us with this. The club provides the meat, etc for the main course, and then we all chip in with side dishes and desserts. Last year the same group that set up the tent, antennas, radio etc, also did the meal. It is too much for a handful to do it all. Perhaps we could have someone do dutch oven potatoes, and someone else be in charge of cooking the hamburgers and hot dogs? That would make it a lot easier. We are game for anything, but the meal will not happen if someone does not step up.

Fall line-up

We are working on a August club meeting. This one will be a week night during the small satellite conference at USU. We

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Events Calendar

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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 here! 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.

FIELD DAY - June 26, 27

UP THE DAM HILL - No date yet

CACHE CRUISE IN - July 3

LITTLE MT. BIKE RACE - No date yet

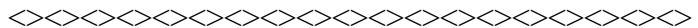
CACHE CLASSIC BIKE RACE - September 3-6 Mostly Sat & Sun

LATOJA - September 11

TOP OF UTAH MARATHON - September 18

BEAR 100 - September 25

JOTA Jamboree on the Air - October 16, 17



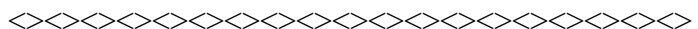
Field Day

June 26th and 27th 2004

Forestry Field Station, in Logan Canyon

This years Field day will be June 26th and 27th at the Forestry Field Station about 19.6 miles up Logan Canyon. It is just before the Tony Grove turn off, and is on the south, or right side of the road. The site has several buildings, including bunk houses with twin sized mattresses, and several smaller rooms a family could take. There is running water, showers, flush toilets, and heat. The site is run on generated power. We are lucky to have this site. It will be private to our group. We have reserved the facilities for Sat and Sunday only, however, we will probably set up some antennas Friday night.

There is room for trailers and tents if you want to camp out. Our dinner will start at 6:00 PM on Saturday Evening. We still need some cooks for this. Please help out. Contact AC7II, Ted McArthur, or N7XZ Rik Stallings to volunteer your services for field day, or if you have any questions. Field day starts at noon on Saturday, but we will probably need helpers to set up early Saturday morning.



Answers to questions on page 4:

1-D, 2-B, 3-A, 4-B, 5-D, 6-B

(Presidents Message Continued from page 1)

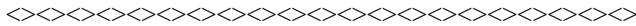
hope to have the speaker lined up soon. Stay tuned for more information.

In September we will have our club picnic at the bowery up on Cliffside. Same location as last year. This will be September 9th (Thursday) at 6:00 PM. Our LOTOJA meeting will follow. This is a potluck dinner, so bring some main dishes, deserts etc. Club will provide the root beer for this. Bring your own utensils.

That's all for now folks. Have a great summer.

73,

Kevin Reeve N7RXE



ARRL Bulletin 15 ARLB015
From ARRL Headquarters
Newington CT May 7, 2004

Minor FCC amateur rule changes effective June 1

The FCC says minor amendments to various Amateur Radio rules become effective June 1. The regulatory changes, which the FCC made on its own motion rather than in reaction to any petitions, appeared May 5 in the Federal Register.

"This document makes minor amendments to various rule sections to clarify or eliminate duplicative language or conform them with other rule sections," the FCC said.

Among other changes, the most significant involved revising the wording of Section 97.307(d), which defines spurious emissions. The updated language imposes a slightly higher standard on newer transmitters or amplifiers of any power level. Starting June 1, the rule will provide that:

- the mean power of any spurious emission from HF transmitters or external RF power amplifiers installed after January 1, 2003, must be at least 43 dB below the mean power of the fundamental emission.
- the mean power of any spurious emission from HF transmitters or external RF power amplifiers installed on or before January 1, 2003, must not exceed 50 mW and must be at least 40 dB below the mean power of the fundamental emission. If the mean power output of such as transmitter is less than 5 W, the attenuation must be at least 30 dB.

Still exempt from the provisions of Section 97.307(d) are transmitters built before April 15, 1977, or those first marketed before January 1, 1978.

The FCC also has redefined what constitutes an Amateur Radio operator to reflect the advent of the Universal Licensing System (ULS) electronic licensee database. Under the revised Section 97.3(a)(1) an amateur operator is "a person named in an amateur operator/primary license station grant on the ULS consolidated licensee database to be the control operator of an amateur station." The current rule defines an amateur operator as "a person holding a written

authorization to be the control operator of an amateur station."

Another change eliminates Technician or Technician with Element 1 credit licensees from the classes of operators permitted to prepare Element 1 (5 WPM Morse) and Element 2 (Technician written) examinations.

The Commission ordered the rule changes within the context of a larger, wide-ranging Notice of Proposed Rule Making (NPRM) in WT Docket 04-140. That NPRM addresses several Amateur Radio-related petitions and proposes revisions to operating privileges. The FCC continues to seek comments on these proposals. Comments are due by Tuesday, June 15, and reply comments by Wednesday, June 30. Among other changes, the FCC has recommended adopting the ARRL's "Novice refarming" plan.



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The ARRL Letter Vol. 23, No. 18 April 30, 2004
NEW MORSE "@" CHARACTER BECOMES
OFFICIALMAY 3

The International Morse code officially gains a new character on May 3. That's when the now-familiar "@" symbol joins the Morse lexicon as the letters "AC" run together (---.). Known as the "commercial at" or "comat," the @ symbol never rose to the level of usage that demanded a unique Morse character until it gained currency as a critical component of e-mail addresses during the past decade or so. Last December, the International Telecommunication Union Radiocommunication Sector (ITU-R) Study Group 8 agreed on the wording of a Draft New Recommendation ITU-R M. [MORSE] that specified the international Morse code character set and transmission procedures and included the new Morse code character. The pending change has attracted some attention in the media, including mentions on National Public Radio's All Things Considered and in The New York Times.

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The ARRL Letter Vol. 23, No. 20 May 14, 2004

ARES team in Virginia responds to severe weather emergency: The Spotsylvania County, Virginia, ARES team activated May 7 after severe thunderstorms knocked out part of the county's emergency communications system. "The problem resulted when a strong series of thunderstorms passed through the area about 6:30 Friday evening," said Virginia Section Emergency Coordinator Tom Gregory, N4NW. "Lightning strikes associated with these storms knocked out a portion of the 911 radio communications system serving the various volunteer fire stations in Spotsylvania and the radio link between Spotsylvania and Stafford." Amateur Radio operators provided backup communication to each of the county's fire stations until normal communication was restored to the stations. Members of Stafford County ARES assisted Spotsylvania ARES by providing additional operators and a radio link between the Spotsylvania and Stafford sheriff's offices to maintain interoperability between the two departments while the normal radio link was down at the Spotsylvania County end.

Questions for Extra Class License

1. E1C09 From which locations may a licensed alien amateur operator be the control operator of an amateur station?
 - A. Only locations within the boundaries of the 50 United States
 - B. Only locations listed as the primary station location on an FCC amateur service license
 - C. Only locations on ground within the US and its territories; no shipboard or aeronautical mobile operation is permitted
 - D. Any location where the amateur service is regulated by the FCC
2. E1D01 What is the Radio Amateur Civil Emergency Service (RACES)?
 - A. A radio service using amateur service frequencies on a regular basis for communications that can reasonably be furnished through other radio services
 - B. A radio service using amateur stations for civil defense communications during periods of local, regional, or national civil emergencies
 - C. A radio service using amateur service frequencies for broadcasting to the public
 - D. A radio service using local government frequencies by Amateur Radio operators for emergency communications
3. E1F10 What is a VE Team?
 - A. A group of at least three VEs who administer examinations for an amateur operator license
 - B. The VEC staff
 - C. One or two VEs who administer examinations for an amateur operator license
 - D. A group of FCC Volunteer Enforcers who investigate Amateur Rules violations
4. E2D05 Which of the following techniques is normally used by low-earth orbiting digital satellites to relay messages around the world?
 - A. Digipeating
 - B. Store and forward
 - C. Multi-satellite relaying
 - D. Node hopping
5. E5A04 When the inductive reactance of an electrical circuit equals its capacitive reactance, what is this condition called?
 - A. Reactive quiescence
 - B. High Q
 - C. Reactive equilibrium
 - D. Resonance
6. E9C18 How would the electric field be oriented for a Yagi with three elements mounted parallel to the ground?
 - A. Vertically
 - B. Horizontally
 - C. Right-hand elliptically
 - D. Left-hand elliptically

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***Summer, 2004
(June, July)***

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