



THE OHM TOWN NEWS

Voice of the Bridgerland Amateur Radio Club

December 2005

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

PRESIDENTS MESSAGE

Merry Christmas everyone. What a great year this has been. I have enjoyed my service as president of the club and decided to run again. Thanks to those who have confidence in me. I appreciate the efforts of the Board. On the day of board meeting, I was sick with the flu (even after having the flu shot) but board meeting went on without me, and early indications are that they have the January club meeting planned out.



December is our Christmas Dinner Party at the Blue Bird in Logan. RSVP's have passed due dates, but you might be able to ask Tammy if anyone has canceled. Please realize if you RSVP'd that we will have to pay for your dinner even if you do not show.

At our November election meeting we broke up into three groups that discussed different topics. One group took on nets, another group recruitment, and the third on club activities. We were excited to have 5 recently licensed hams and one new valley resident who has been a ham for some time join us. It was great to get their perspective on what they would like. Out of all this came the idea to hold a ham radio open-house for our January Club meeting. The idea is for all club members to be there and to bring someone who is not a ham, and we will have several stations set-up to show off different things in ham radio. We will be doing some advertising for this in the papers and radio to get some interest. This will be in preparation for a ham radio class to be held January – March time frame in preparation for our next exam session. The Board would like to focus this

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HAM PROFILE

by Boyd Humpherys W7MOY

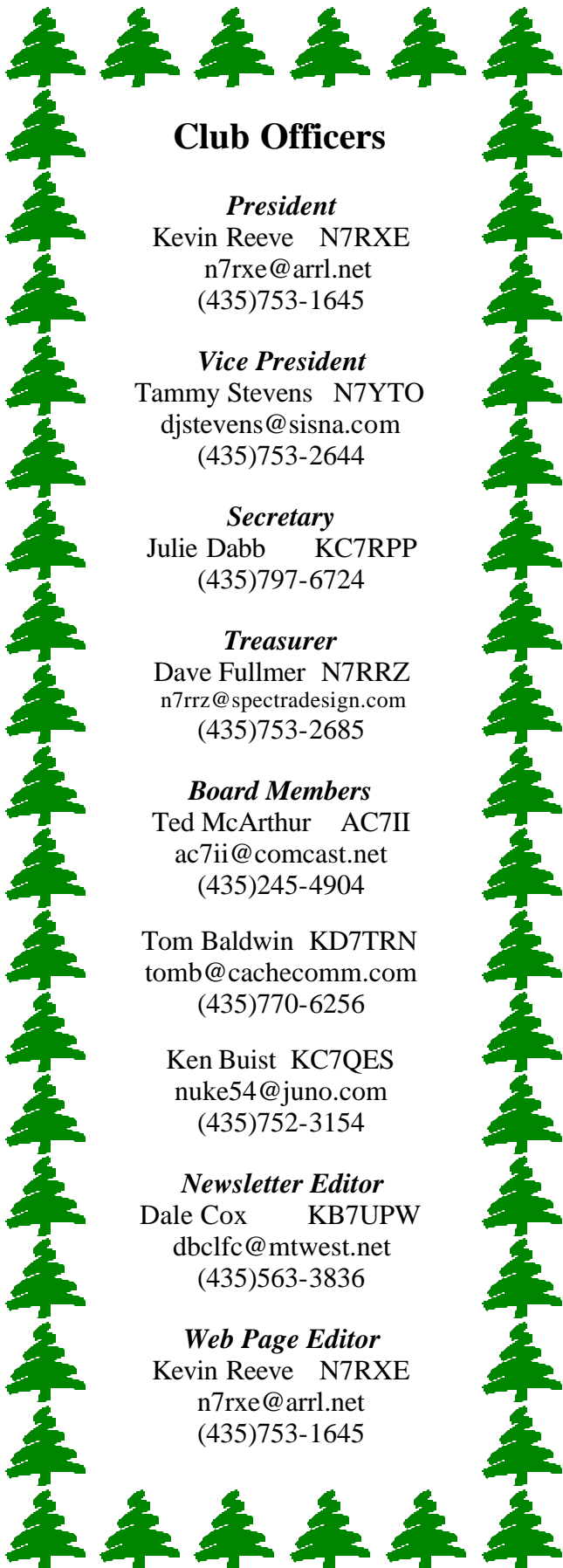
We'll forgo the annual Christmas quiz and substitute one of more stature. SDL, NSRL, HRL, JPL, AFRL, NRL, SGL, & SRL. If you were to be asked what the preceding acronyms have in common, your answer that they all have the letter L in the combination would only get an honorable mention, however the distinction of note is that they are all top notch research labs with an emphasis on space work. Our own SDL (Space Dynamics Lab) was listed first and in my opinion that's where it ought to be.

A few minutes spent with its Deputy Director, Harry Ames KG7RC verified the quality of leadership at the helm of an institution of which we can all be proud. Harry has held his present ticket, advanced class (rare species) for some 10 years or more, previous other calls before that, also a commercial Radio Telephone license (also a rare species). He has an assortment of Ham gear in the family castle which gets good coverage astride



the quake fault up against the hills in Providence. No he's not concerned. He's been a member of our astute organization for several years and although we might

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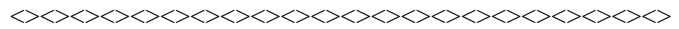
UPCOMING ACTIVITIES

December 7, 6:00 P.M. - Christmas Party
Christmas party is on Wednesday the 7th at the Blue Bird on main street in Logan. Prime Rib Buffet. Limited seating, there may be a few seats left, contact Tammy Stevens N7YTO. \$15.00 per plate. Of course the great prize giveaways, and another surprise package.

January 14, 2006 - Club Meeting
Open House to show off Ham Radio, bring a friend

BARC Club Meetings are normally on Saturday mornings at 10:00 A.M. on the 2nd floor in the EOC at the Cache County Sheriffs Complex on 200 North and 1225 West, Logan, Utah

ARES Meetings are usually held on the Third Wednesday of each month at 7 P.M. at the Cache County Sheriffs Complex. Contact Tyler Griffiths for more information or if you want to be involved.



Special Event

We are inviting all amateur radio operators -especially the old-timers - to the Golden Corral for breakfast on the second Saturday of January at 8:15 AM for an opportunity to meet other hams with your interest. This is a buy your own breakfast event. Several older hams with interests in HF and CW have asked who else around is interested in these areas. Now is your chance to come out and meet each other and socialize. Anyone old or young, especially those interested in HF and CW communications are invited to attend this event.

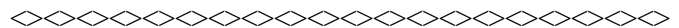


BARC Club Officers for the new year, 2006

President: Kevin Reeve N7RXE
Vice President: Jacob Anawalt KD7YKO
Secretary: Tammy Stevens N7YTO
Treasurer: Dave Fullmer N7RRZ

Board

Ted McArthur AC7II
Tom Baldwin KD7TRN
Ken Buist KC7QES

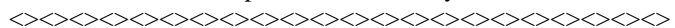


Answers to questions on page 6:
1-A, 2-A, 3-C, 4-C, 5-D, 6-C

Wallack's, W6TLK, idea of promoting ARES as an "official" non-government organization (NGO) with the status of the American Red Cross, for example.] John, W6TLK, is right. ARES should become an NGO, with the emphasis on organization. In some parts of the country, ARES is a well-planned and well-trained machine. With dedicated volunteers equipped and prepared to respond at any time they are needed, they have introduced themselves to, and trained with, served agencies. They have become a useful part of agency emergency response plans. But in other parts of the country, ARES is only a concept. That is not enough. To be viable, a group must have a strong program of training, commitment requirements, and a real plan of action in order to function in reality. ARES needs national program enhancements as well. ARRL should issue official credentials for ARES members recognized by the Department of Homeland Security and Emergency Management in all states, after passing FEMA's national incident management system training, ARRL's Level 1 ARECC (EC-001) course, and an FBI background check. Annual training on mustering and responding to an emergency should be required for credential renewal. ARES members should be issued a universally recognized uniform. Once we get it together along the lines suggested above, it will be easier for us to become a real NGO.—Mark Conklin, N7XYO

FINAL NOTE: THE BEST RADIO SERVICE

One of the criticisms I hear occasionally is that Amateur Radio involves old technology and doesn't have much to contribute to the public safety telecommunication arena anymore. It seems to me that such criticism is wholly unjustified. Just look at Rob Macedo's report above in this issue on the Amateur Radio digital and Internet linking protocols employed during Hurricane Rita action. They worked fantastically and represent the state of the art. Coupled with our tried and true "old technology," I think that Amateur Radio is hard to beat as the premier radio service to be involved in any emergency response. We should start thinking more of ourselves in this regard, and not selling our service short to served agencies. We are the best radio service for disaster/public safety telecommunication need, period. End of story. - K1CE

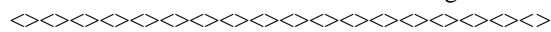


The ARRL Letter Vol. 24, No. 42 October 28, 2005

Amateur Radio volunteers fill communication gap when telephones fail:

When a telephone outage occurred in Southern California October 18, the Long Beach Emergency Communications and Operations Center (ECOC) declared a "communication failure protocol," and ARES/RACES members and other ham radio volunteers stepped in to help. The outage disabled 911 service in communities along the coast and through parts of Los Angeles and Orange counties. It also cut off at least 150,000 telephone and Internet service customers for up to 12 hours along with many cell phone users. Radio amateurs worked with police and fire officials to support the departments with auxiliary communications. Hams also were stationed at 17 of the largest nursing homes in town. The emergency net successfully relayed traffic through the ECOC to the hospitals, nursing homes and ambulance services, ensur-

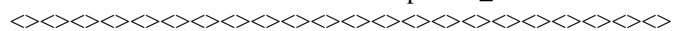
ing access to 911. When the City of Long Beach built its new ECOC three years ago Emergency Services Coordinator Casey Chel, KD6DOV, had the foresight to include a complete Amateur Radio facility for those rare occasions when all other communication systems might fail. Those plans paid off on October 18.—Associated Radio Amateurs of Long Beach



The ARRL Letter Vol. 24, No. 43 Nov 4, 2005

==>NEW FOUNDATION LICENSE, AMATEUR REGULATORY CHANGES INTRODUCED IN AUSTRALIA

Australia has introduced an entry-level Foundation Amateur Radio license and established a new overall licensing and certification structure. The Australian Communications and Media Authority (ACMA) put the new regulations into effect October 19. Other rule changes combined Novice and Novice Limited licensees into a new Standard license class, and all Limited, Intermediate and Unrestricted licensees are now Advanced licensees with full amateur privileges. Wireless Institute of Australia (WIA) President Michael Owen, VK3KI, welcomed the "long-awaited" changes—in particular the new Foundation license—and expressed the hope that they would encourage newcomers. "We also know that there will be many amateurs operating on the 40 and 20-meter bands for the first time with those bands available to Standard licensees," he said. "We urge all amateurs to make all these newcomers welcome." Owen also praised ACMA for what he called its "cooperative approach" in establishing examination standards and procedures. The first Foundation license was issued October 21 to Amanda Gray, who requested the call sign VK4FRST before knowing that hers was, indeed, the first Australian Foundation license issued. ACMA has adopted the distinctive and unusual four-letter suffix starting with "F" for all VK Foundation licensees. Foundation licensees will have limited access to 80, 40, 15 and 10 meters as well as the entire 2 meter and 70 cm bands using voice modes or "hand-keyed" CW only (ie, no keyboard or computer-generated code). Licensees will be permitted to run up to 10 W on SSB and 3 W on AM, FM and CW—although the WIA wants ACMA to increase that limit to 10 W as well. Foundation licensees may only use commercially manufactured transmitters. The new license is similar to the Foundation class license that's been available in Great Britain since 2002. In addition to creation of the new Foundation license, ACMA amended Australia's Amateur Radio regulations to regulate by necessary bandwidth rather than by emission mode. The new rules permit the use of any emission mode with a bandwidth not exceeding 8 kHz. Said Owen: "The WIA believes that these changes to the Australian amateur license structure will strengthen our hobby and encourage many more people to become licensed radio amateurs." More information is on the ACMA Web site <http://www.acma.gov.au/ACMAINTER.65690:STANDARD::pc=PC_1256>.



The ARRL Letter Vol. 24, No. 44 November 11, 2005

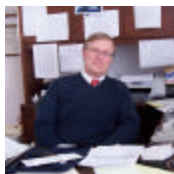
==>HOLIDAY TOY DRIVE VIDEO ANNOUNCEMENTS NOW AVAILABLE



Questions for Technician Class License

1. (T1B14) What does it mean for an amateur station to operate under reciprocal operating authority?
 - A. The amateur is operating in a country other than his home country
 - B. The amateur is allowing a third party to talk to an amateur in another country
 - C. The amateur has permission to communicate in a foreign language
 - D. The amateur has permission to communicate with amateurs in another country
2. (T3A11) When a signal is returned to Earth by the ionosphere, what is this called?
 - A. Sky-wave propagation
 - B. Earth-Moon-Earth propagation
 - C. Ground-wave propagation
 - D. Tropospheric propagation
3. (T5C10) When may you deliberately interfere with another station's communications?
 - A. Only if the station is operating illegally
 - B. Only if the station begins transmitting on a frequency you are using
 - C. Never
 - D. You may expect, and cause, deliberate interference because it can't be helped during crowded band conditions
4. (T7C09) What component controls current to flow in one direction only?
 - A. A fixed resistor
 - B. A signal generator
 - C. A diode
 - D. A fuse
5. (T8E04) What does an SWR reading of 4:1 mean?
 - A. An impedance match that is too low
 - B. An impedance match that is good, but not the best
 - C. An antenna gain of 4
 - D. An impedance mismatch; something may be wrong with the antenna system
6. (T9B06) Which antenna system would NOT be a good choice for an EME (moonbounce) station?
 - A. A parabolic-dish antenna
 - B. A multi-element array of collinear antennas
 - C. A ground-plane antenna
 - D. A high-gain array of Yagi antennas

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PO BOX 111
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December, 2005

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