



THE OHM TOWN NEWS

Voice of the Bridgerland Amateur Radio Club

October 2006

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

PRESIDENTS MESSAGE

There is one thing on my mind this month and that is club officers. It takes a great team of individuals to make things happen in the club. I have had the great opportunity to serve in many positions over the 15 years I have been an amateur radio operator.

Every elected and non-elected position is important. Please consider stepping up and running for office. The office of president as stated in the bylaws must be someone who has held an office before. Please, please consider running for an office to keep the club momentum running. I have been president for three years now, and have really enjoyed it. I have really appreciated the help of all the officers and the board. They have stepped in and made things happen. A big thanks goes out to all of you who help with all the events. We have some of the best events around to participate.

We have a great field day, some fantastic public service events, and great activities. Where else will you



find a single club that has flown experiments on high altitude balloons, supported the longest single day bike race in North America, and then a week or two later a marathon. In addition to all of that, helped 3 other clubs with their repeater systems. Our ARES/RACES group designed and installed communications equipment in an incident command vehicle, and are instrumental in the counties emergency communications plan.

Hams are organizing in some neighborhoods along with CERT to be prepared just in case. Others are actively offering VEC exams, and classes to recruit other amateurs. The list goes on and on. These are some of the things I can remember during my time as a

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HAM PROFILE

by Boyd Humpherys W7MOY

If any of you tend to get bent out of shape for any particular reason we have the answer, might as well keep it in the family. One of our clan has the expertise to put things back in place, or at least where they ought to be. Jeff Jeppsen, KD7YYS has learned a few techniques from his pater, Clint, KB7ZOZ. Regardless of the shape everyone is in, Amateur Radio knows no bounds and the tendency to delve into the black art of electronics afflicts all sorts of the human race.

Jeff has sported a Tech license for three years or so, manipulates a Yaesu HT and a Kenwood base and mobile. He confided that some unprincipled bouncer had absconded with his trunk mount antenna, so he is in the process of persuasion to purchase a new one out of the family budget. All gracious offers would be accepted.



Jeff was born just off highway 89 and a bit south of the small Maddox eatery near Brigham City, Perry to be exact. He endorses the menu down there. The family shifted shortly to Sauerkraut town where the wheel came off the wagon and they decided to stay and pay taxes there. He graduated from Sky View in 79, served a mission for his faith near the windy city in Illinois, then enrolled at USU & participated on a scholarship in a University entertainment group, traversing a wide area in persuading prospective attendees to enroll at the hallowed halls of ivy on the bench east of us.

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UPCOMING ACTIVITIES 2006

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October 14 - BARC Club Meeting
Don Butler, N5LZ, will be giving us the rundown on DX including why it is fun and what kind of equipment you may want to plan on having for your DX station.

October 21 & 22 - Jamboree on the Air
<http://www.scout.org/wse/jota.shtml>

November 11- BARC Club meeting
Club elections

December - Club meeting
Christmas party, more info later

BARC Club Meetings are normally on the second Saturday of the month at 10:00 A.M. on the 3rd floor of 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.

The Bridgerland Amateur Radio Club holds a weekly net Tuesday nights at 9:00 PM on the 146.72, the 147.26, the 145.31, the 147.20 and the 449.625 BARC Repeater System with a PL tone of 103.5. It is a directed net and we invite all licensed Amateur Radio Operators to check in and participate.

(Presidents Message Continued from page 1)
member of BARC. There are many more I am sure some of you can come up with.

I look forward to seeing you all at club meeting where Don Butler N5LZ from Mendon will present. Don loves the HF bands and contesting. You can read more about Don, his station, and interests at <http://www.qrz.com/callsign/N5LZ>

Please join us at club meeting on Saturday the 14th. Hope you will put your name on the ballot this year. Our elections will be in November.

N7RXE
Kevin Reeve

Answers to questions on page 8:
1-A, 2-B, 3-B, 4-A, 5-D, 6-D, 7-D

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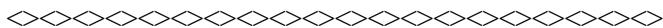
He spent about 10 years in an interesting occupation that probably few of us have ever known much about, that of harvesting Brine Shrimp eggs out of the Great Salt Lake. A rather fascinating tale of long days and nights on the Northern tip of Stansbury Island in Great Salt Lake. During the months of Oct. thru Jan., the brine shrimp lay their eggs, and thus harvested by scooping the gooey stuff (small enough for about 6 on a grain of sand), into bags for transport to the plant and headquarters of Ocean Star International, in Snowville. There after drying, the eggs are canned and shipped mainly to firms in Asia, where they are allowed to hatch, then fed to the commercial shrimp farms and then the new final product is sent back to us to eat at your favorite restaurants. Now that is an interesting tale of a four month field day, ideal conditions, good propagation, quiet surroundings, lots of generator power, time to read and twirl the dial on the rig, plenty of peanut butter sandwiches, etc. Rough duty. Incidentally the brine shrimp inhabiting the Salt Lake are only about 1/2' long at best, not edible unless your supplies run out.

There are some accounts of retrieving some dried eggs from 600 year old Indian ruins and still capable of hatching, incredible.

Jeff met his future XYL, Helen Denton, born in Richfield, at USU, decided to share their parking permits and begin a new Jeppsen generation. They have two daughters, Jenna, now engaged, and Vanessa, who incidentally just returned from Seattle after winning a spot in a local competition for the American Idol program. 9,000 contestants must have filled the air with the sounds of music.

Jeff now drives truck for the Old Dominion trucking firm, makes regular nocturnal runs to SLC and other points in the West. Not many on 2 that time of the morning.

Unofficial spousal reaction to Jeff's radio involvement, "Do you have to have that noise going all the time" Sure we do Helen, who knows, our neighbor next door might be on the air today. Glad to have you on the air with us Jeff. 73s.



**The ARRL Letter Vol. 25, No. 32 August 11, 2006
==>MARS TO SUPPORT US**

TRANSPORTATION SECURITY

ADMINISTRATION IN EMERGENCIES

Amateur Radio operators who are members of the Military Affiliate Radio System (MARS) will provide back-up communication for the US Transportation Security Administration (TSA) under a formal agreement announced in July by Army MARS Chief Kathy Harrison, AAA9A. Protecting airports during the hurricane sea-

son will be the immediate focus, she said, adding that the new MARS-TSA collaboration "is likely to expand to other Department of Homeland Security (DHS) areas" in the future. "This is an extensive area and will require member support across the continental United States," Harrison said in a broadcast announcement to Army MARS participants. "We will need many volunteers to man teams assigned to specific geographical areas, starting with airports throughout the hurricane corridor." She called for "physically capable" Amateur Radio operators to volunteer for the assignment. The first airport emergency support teams will be located at four airports in the Florida hurricane belt: Miami, Ft Myers, Jacksonville and Pensacola, Harrison said. She added that recruiting will immediately follow for nine additional potential hurricane targets from Washington, DC to Houston. In a later phase - but as soon as possible - additional teams will be recruited for other hurricane locations including Puerto Rico and the Virgin Islands, and after that, the remainder of the continental US. The emergency support teams - each consisting of four members of MARS - are being assembled under joint sponsorship of MARS and the TSA, with deployment assignments determined by the TSA when and if the government's communication systems fail. "Volunteers should be within a reasonable traveling distance to the airport. It will be their responsibility to get to the site when activated," said Harrison. The Memorandum of Understanding, which is already in place, calls for using MARS networks, personnel and equipment to maintain communication during the first 72 hours of incidents involving aircraft, mass transit and pipelines. Seventy-two hours is considered the maximum time needed for federal response organizations to deploy internal emergency communication systems. The MoU spells out the most extensive MARS support mission since the development of the Essential Elements of Information (EEI), which date to the 1994 Northridge earthquake that devastated parts of California's San Fernando Valley. EEIs are alerts to the Pentagon of a natural disaster or other incident that might require a federal response. In a memo to MARS personnel, Harrison included the following points:

- . The Navy-Marine Corps and Air Force MARS organizations are included in the call for volunteers, via their separate chains of command.
- . Army MARS state directors will be responsible for formation of the joint teams.
- . All deployments will be by team, each with a combination of equipment and operator capabilities and members ready to work 12-hour shifts. Some locations may ultimately require more than one team.

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Bits of a few of the activities this season



Many Hams have been involved and the activities have been a great success!



The weather cooperated well this year



Fun was had by all (at least all of our support group)!!!

Questions for Extra Class License

1. (E1B11) Which of the following amateur stations may not be operated under automatic control?
 - A. Remote control of model aircraft
 - B. Beacon station
 - C. Auxiliary station
 - D. Repeater station

2. (E1G01) What does it mean if an external RF amplifier is listed on the FCC database as certificated for use in the amateur service?
 - A. An RF amplifier of that model may be used in any radio service
 - B. That particular RF amplifier model may be marketed for use in the amateur service
 - C. All similar models of RF amplifiers produced by other manufacturers may be marketed
 - D. All models of RF amplifiers produced by that manufacturer may be marketed

3. (E2E01) What is the most common method of transmitting data emissions below 30 MHz?
 - A. DTMF tones modulating an FM signal
 - B. FSK (frequency-shift keying) of an RF carrier
 - C. AFSK (audio frequency-shift keying) of an FM signal
 - D. Key-operated on/off switching of an RF carrier

4. (E4B15) For best accuracy, how tightly should a dip-meter be coupled with the LC circuit being checked?
 - A. As loosely as possible
 - B. As tightly as possible
 - C. First loosely, then tightly
 - D. With a jumper wire between the meter and the circuit to be checked

5. (E5A23) What is the resonant frequency of a series RLC circuit if R is 47 ohms, L is 4 microhenrys and C is 20 picofarads?
 - A. 19.9 kHz
 - B. 17.8 kHz
 - C. 19.9 MHz
 - D. 17.8 MHz

6. (E5G07) What is the term for an out-of-phase, nonproductive power associated with inductors and capacitors?
 - A. Effective power
 - B. True power
 - C. Peak envelope power
 - D. Reactive power

7. (E6B25) What is the input impedance of a theoretically ideal op-amp?
 - A. 100 ohms
 - B. 1000 ohms
 - C. Very low
 - D. Very high

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