



THE OHM TOWN NEWS

Voice of the Bridgerland Amateur Radio Club

SEPTEMBER 2002

PRESIDENTS MESSAGE

Well September is here so summer is about



over. Also if it is September that must mean we have lots of activities coming up!

Club Meeting. September 12th. This will be the annual club so-

cial. It will be held at Merlin Olsen Park beginning at 6:00 p.m. Everyone is invited to attend and is asked to bring along a pot luck dish. The club will supply the drink. If you can bring a little extra it would be appreciated because we will have guests. Some of the guys from epek sports, the people putting on LOTOJA, will be there with all our needs for the bike race. We have invited them to join in at dinner. So come along and enjoy the fun and get to know everyone after the long summer break.

VE Test Session. September 21st at 8:00 p.m. at Campbell Scientific. This was earlier announced as September 14th, but it has changed. You can contact our VEC Clyde Best AC7KN for further information

LOTOJA (Logan to Jackson Hole, WY.) bike race will be September 14th. Contact Rik N7XZ or Ken KC7QES if you would like to help.

The Top of Utah Marathon. Will be on September 21st. Contact Brett N7UXA or myself if you're interested in participating.

So I will be looking forward to seeing everyone at Club meeting!

73 de Tyler N7UWX

HAM PROFILE

by Boyd Humpherys W7MOY

It seems Campbell Scientific has enough Hams to fill this column till the cows come home, however we'll take em however many they hire. They must know a good group when they see them. This month's expose is none other than Ray Robinson, KD7GNV. Ray has sported a Tech license for about 2 years and has been a member of BARC since earning the ticket. He has delved in Latoja, a couple of marathons, and has made the trek to Bryce Canyon for the fraternity get together plus a little sight seeing.

He has an ICOM W32A dual bander HT, a couple of mag mounts for the family prime mover and he seemed to get that far away look in his eye when we asked where the tell tale 50' tower might be. "I don't have one-----yet, but I have ideas".



Usually some sort of array on top of house or out back is a dead give away, perhaps he has some sort of stealth set up in the attic. He mentioned having another couple of HTs, however it seems a little fast shuffle with members of the close family and he was minus two good rigs. It appears there are 11 licensed Hams in their family group, three sisters in law included. Do you remember the old saw, "something old, something new, something borrowed, never comes back".

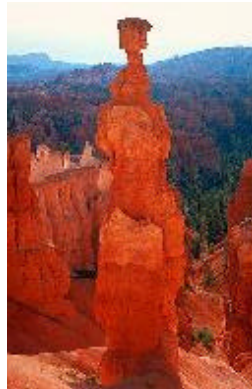
Ray is a native Loganite, having shifted around town several times. An alumnus of Logan High where he learned "to the rear march" with the

(Continued on page 3)

SMACK IN THE MIDDLE OF SUMMER ACTIVITIES

Some of the fun you missed if you weren't there:

Field Day
Cache Cruise In and Parade
Utah Hamfest



Still to come:

- 12 September BARC Club meeting at Merlin Olson park - pot luck, final input on LOTOJA preparation
- 14 September LOTOJA - the famous Logan To Jackson bicycle race. Estimating over 700 riders this year!
- 14 September VE Test Session - Campbell Scientific
- 21 September Top of Utah Marathon - becoming a major event for the valley!
- 28 September RACES training session in SLC for more info see articles on page 4 or go to: <http://www.des.utah.gov/radio/wkshp.htm>
- 5-6 October SET - Simulated Emergency Test involving ARRES, NTS, RACES, etc.
- 19 October JOTA - Jamboree On The Air



45th Jamboree on the Air - 19-20 October 2002

JOTA is an annual event in which about 500,000 Scouts and Guides all over the world make contact with each other by means of amateur radio. It is a real Jamboree during which Scouting experiences are exchanged and ideas are shared, thus contributing to the world brotherhood of Scouting. The JOTA is a world-wide event. Units may operate for 48 hours or any part thereof, from Saturday 00.00 h until Sunday 24.00 h local time. It is for members of the World Organization of the Scout Movement (WOSM), and also for members of the World Association of Girl Guides and Girl Scouts (WAGGGS).

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Some Field Day Fun

(Ham Profile Continued from page 1)

ROTC gents. He accepted a mission call for his faith in 75-77, served in the Pennsylvania area, the city of Brotherly Love and a few other spots. He spent some time at USU and as you might suspect, while casting an eye at the pert coeds, spied Kathy Hanson who was also intent on an education, majoring in Commercial art. Things other than Old Main and the quad persuaded the two to tie the knot and this they did in Manti, Utah in 78.

Kathy was born in Palmdale California, in the Mojave desert, one of the cooler spots in that coastal state. She graduated from Quartz Hill High School, and was selected to participate in the US Honor band from among candidates from all the 50 states and took a 10 day tour of Europe, Austria, Denmark, Sweden, Czech, and East Germany, before the wall came down.

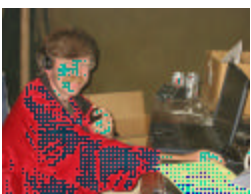
She tells of passing through the infamous "Checkpoint Charlie", having a thorough inspection, and constant guard and escort while there. We do have some blessings in many forms. She plays the French horn, probably brought down the house in Paris, and also the piano, but did not take one with her. The group which included a choir and band numbered about 125.

Kathy apparently is in high gear most of the time, attended Ricks for a couple of years, involved in Church work, substituting at school, presently serving on the County Council, Hmm, no time for Hamming.

They have a son Aaron, 15, who took honors for his talent at the piano at the County fair this year, and a daughter Stacy 11, who is studying violin and piano. Two teenagers ought to keep things lively at the Robinson castle.

Kathy mentioned an interesting thing regarding her 70 year old mother, who although single decided to apply to serve a mission. Most including herself thought an assignment stateside would be forthcoming. To everyone's surprise, she received a call to serve in Russia and is now in an area near the Caspian sea and apparently loving the country and the people.

The hobby has been a major factor in most family activities, attaboy Ray, that's the way it ought to be. Kathy concurs, that's even better. Good on Ya!!



What is RACES?

Founded in 1952, the Radio Amateur Civil Emergency Service (RACES) is a public service that provides a reserve communications group within government agencies in times of extraordinary need. During periods of activation, RACES personnel are called upon to perform many tasks for the government agencies they serve. Although the exact nature of each activation will be different, the common thread is communications.

The Federal Communications Commission (FCC) is responsible for the regulation of RACES operations. Each RACES group is administered by a local, county, or state civil defense agency responsible for disaster services. This civil defense agency is typically an emergency services or emergency management organization, sometimes within another agency such as police or fire. In some areas, RACES may be part of an agency's Auxiliary Communications Service (ACS). Some RACES groups call themselves by other names (often to avoid confusion with similarly sounding terms such as "racist" or "horse races"), such as ACS, DCS (Disaster Communications Service), or ECS (Emergency Communications Service). The Federal Emergency Management Agency (FEMA) provides planning guidance, technical assistance, and funding for establishing a RACES organization at the state and local government level. A comprehensive RACES manual, Guidance for Radio Amateur Civil Emergency Service, is available on the FEMA Web site (<http://www.fema.gov/library/civilpg.htm>).

The importance of RACES operations cannot be stressed enough. The Amateur Radio Regulations, Part 97, Subpart F, were created by the FCC to describe RACES operations in detail. Although no longer issued (but still valid and renewable), special licenses were issued in the past by the FCC to government agencies for RACES operations.

RACES provides a pool of emergency communications personnel that can be called on in time of need. RACES groups across the country prepare themselves for the inevitable day when they will be called upon. When a local, county, or state government agency activates its RACES group, that group will use its resources to meet whatever need that agency has.

Traditional RACES operations involve emer-

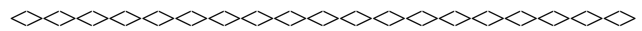


gency message handling on Amateur Radio Service frequencies. These operations typically involve messages between critical locations such as hospitals, emergency services, emergency shelters, and any other locations where communication is needed. These communications are handled in any mode available, with 2 meters FM being the most prevalent.

Other tasks that RACES personnel are involved with may not involve amateur-radio communications. For example, RACES communicators may become involved in public-safety or other government communications, Emergency Operations Center (EOC) staffing, and emergency equipment repair.

Whatever need arises, trained RACES personnel are ready and prepared to help. RACES groups develop and maintain their communications ability by training throughout the year with special exercises and public-service events. When that fateful day occurs, RACES will be there to meet the challenge.

To join RACES, contact your local, county, or state RACES Radio Officer or RACES Coordinator. Or a registration form can be found at: <http://www.des.utah.gov/radio/>



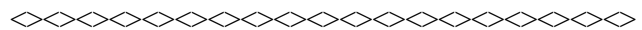
RACES WORKSHOP

The Utah Department of Public Safety, Division of Emergency Services is sponsoring an all day RACES Workshop on Saturday, September 28, 2002 from 8:30 AM until 4:30 PM. The Workshop will be held at the Salt Lake Airport Sheraton Hotel.

On-site confirmation of registration will be from 8:00 AM until 8:30 AM. You must be a registered member of the Utah RACES organization to attend. There will be limited seating, approximately 100 attendees.

Lunch will be provided.

Specific agenda items will be taken from emergency preparedness, emergency communications and Incident Command Structure. Again there is limited seating. Register early and plan to attend.



This information came from the state web site at: <http://www.des.utah.gov/radio/races.html>



ARRL Bulletin 50 ARLB050

ARLB050 Emergency Communications Training to Begin September 1.

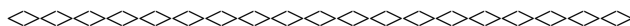
Amateur Radio emergency communications training supported by a \$181,900 federal homeland security grant will begin within a few weeks. The League was among several dozen nonprofit organizations designated to receive some \$10.3 million in federal money to boost homeland defense volunteer programs. During its first year, the grant—from the Corporation for National and Community Service special volunteer program—will reimburse the cost of Level I ARRL Amateur Radio Emergency Communications Course training for up to 1700 volunteers. ARRL Chief Development Officer Mary Hobart, K1MMH, says the national program will begin September 1 with the recruitment of at least 200 additional mentors and trainers. These volunteers then will help to manage and train the student load during the first year of the grant. Hobart and Dan Miller, K3UFG—formerly ARRL Certification and Continuing Education Program Coordinator and now the Emergency Communications Course Manager—have been working with CNCS to expedite the grant details.

This week, ARRL section managers were asked to recommend up to five students to sign up to take the Level I Amateur Radio Emergency Communications on-line course. These individuals also will receive additional training to become instructors and mentors. Hobart pointed out that additional mentors and instructors will be needed to help handle the expected volume of students training under the grant program.

Anyone who has already completed the Level I course is qualified to become a mentor with some additional training. Mentor candidates should contact Dan Miller, k3ufg@arrl.org, for information on how to take part. Once the ARRL members hand-picked by section managers to train as mentors have completed the program, registration for routine Level I training will open October 1, initially for ARRL field appointees. Miller anticipates that the program will continue to handle approximately 200 students per month. "As much as we'd like to, we can't train everyone at once," he said. "Please be patient."

To comply with grant requirements, the ARRL also will survey served agencies and certain segments of the amateur population. Hobart said the League wants to ensure that the course offered accurately represents "what really happens in the field" during an emergency or disaster. Students taking advantage of

Level I emergency communications training under the grant program will be asked to pay for the course via credit card during the registration process. Level I course candidates from Connecticut will continue to be trained under a \$33,000 grant from United Technologies Corporation to expand Amateur Radio emergency communications training opportunities. Upon successfully completing the training and certification, students will be reimbursed the \$45 fee.



ARRL Bulletin 49 ARLB049

ARLB049 NCVEC endorses trial of amateur testing via videoconferencing

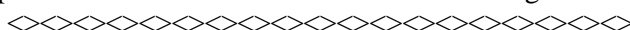
The National Conference of Volunteer Examiner Coordinators has endorsed experimental use of videoconferencing technology to conduct Amateur Radio testing in remote areas of Alaska. Meeting July 26 in Gettysburg, Pennsylvania, the NCVEC voted 6-3 with two abstentions to back a one-year trial run to be conducted by the Anchorage Volunteer Examiner Coordinator.

Jim Wiley, KL7CC, of the Anchorage VEC told his VEC colleagues that it's very expensive to provide Amateur Radio test sessions to the thousands of Alaska residents who live in remote areas. The vote followed discussion on whether having a VE team remotely monitor a test session while an unlicensed individual proctored the exams on site would comply with FCC Part 97 rules. Section 97.509© calls for three VEs to be "present and observing" the examinees.

Bill Cross, W3TN, of the FCC's Wireless Telecommunications Bureau, pointed out that the VEC and the VEs are responsible for the proper conduct of the exams. He said that no rule changes appeared necessary because VECs already have authority to determine the manner in which their VE teams conduct examination sessions.

Cross emphasized no VECs would be required to coordinate exam sessions using a testing method they were not comfortable with. "The conference was willing to allow the Anchorage VEC to conduct a trial in Alaska of the program it has developed after it describes the program in further detail," he said.

Wiley said he believes ham radio tests can be administered using videoconferencing technology without compromising exam integrity while maintaining "the same level of confidence in the testing process" that now exists. He agreed to provide progress reports to the NCVEC on the videoconferencing trial.



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

Questions for General Class License

1. (G1F01) External RF power amplifiers designed to operate below what frequency may require FCC certification?
 - A. 28 MHz
 - B. 35 MHz
 - C. 50 MHz
 - D. 144 MHz
2. (G2A10) Which of the following statements is true of an upper sideband transmission?
 - A. Only the upper sideband is transmitted, since the opposite sideband is suppressed
 - B. The upper sideband is greatly attenuated as compared with the carrier
 - C. The upper sideband is greatly attenuated as compared with the lower sideband
 - D. Only the upper sideband may be used for phone transmissions on the amateur bands with frequencies above 14 MHz
3. (G2C09) When are you prohibited from helping a station in distress?
 - A. When that station is not transmitting on amateur frequencies
 - B. When the station in distress offers no call sign
 - C. You are not ever prohibited from helping any station in distress
 - D. When the station is not another amateur station
4. (G2F06) What is ASCII?
 - A. A 7-bit code, with additional start, stop and parity bits
 - B. A 7-bit code in which each character has four mark and three space bits
 - C. A 5-bit code, with additional start and stop bits
 - D. A 5-bit code in which each character has three mark and two space bits
5. (G5B04) How many watts of electrical power are used by a 12-VDC light bulb that draws 0.2 amperes?
 - A. 60 watts
 - B. 24 watts
 - C. 6 watts
 - D. 2.4 watts
6. (G8A08) Which popular phone emission uses the narrowest frequency bandwidth?
 - A. Single-sideband
 - B. Double-sideband
 - C. Phase-modulated
 - D. Frequency-modulated

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PO BOX 111
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September, 2002

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