THE CODE OF THE WEST

UNIVERSITY AMATEUR RADIO CLUB N7UW
Department 3625
1000 East University Avenue
LARAMIE, WYOMING 82071
October 2004
http://picasso.uwyo.edu/uarc

****

PRESIDENT:	John M. Harrison	KD7NAE	johnmh@uwyo.edu
VP/SECRETARY:	Doris L. Hutcheson	KD7RQX	dhutch@uwyo.edu
TREASURER:	William H. Frazier	N7SXC	w.h.frazier@juno.com
COTW EDITOR:	John M. Harrison	KD7NAE	johnmh@uwyo.edu
UW ADVISOR:	Jerry Tastad	N7JT	jtastad@uwyo.edu

****

UARC MEETING

The regular monthly meeting of the University Amateur Radio Club will be held Tuesday 5 October 2004 in room 9 of the College of Business Building at 7:30 pm local time on the University of Wyoming campus. Talk in on the UARC repeater at 146.610 MHz 600 kHz standard negative offset. This is a new location for our meeting. There should be plenty of parking available nearby in the Wyoming Union parking lot off 15th Street. Please come prepared to pay your club dues. Many members are not current with their dues for this year. First year student membership is free. Regular membership is $20 per year.

****

MESSAGE FROM THE PRESIDENT / COTW EDITOR John KD7NAE

UARC members enjoyed the High Plains Roundup, helped with the relocation of Bill AF7E's crank-up tower and began disassembling ND70 Rhett's antennae and tower in September. Photos of these activities are included in this issue.

Election of officers for the upcoming year was postponed at last month's meeting. A nominating committee was designated and we will complete the election process based on their recommendations at Tuesday's meeting.

Welcome to our new members who signed up at the UARC table at RSO day on September 8th. It was a beautiful day and we met some new HAM friends and introduced some interested young people to amateur radio.

See you at our meeting on Tuesday. Cheers and 73s. John KD7NAE

****

UARC CALENDAR

5 October 2004 UARC monthly meeting at 7:30 pm College of Business room 9. Please note the new location. Please pay your dues if not current.

16-17 Oct 2004 Boy Scouts of America Jamboree on the Air (JOTA) at Hynds Lodge - Curt Gowdy State Park with the Shy-Wy ARC

Upcoming ARRL Special Operating Events of note include:

9 Oct 2004 **Canon City, CO:** Royal Gorge Amateur Radio Club, KB0TUC. 1800Z-2100Z Oct 9. From the world's highest suspension bridge. 14.260. Certificate. Chuck Ward, NC0A, 1011 Harrison St, Canon City, CO 81212. www.qsl.net/rghc.

Refer to http://www.arrl.org/contests/spev.html for more ARRL Special Events

Upcoming ARRL contests include:

9-10 Oct 2004	ARRL International Earth Moon Earth Competition
30-31 Oct 2004	ARRL International Earth Moon Earth Competition
6-8 Nov 2004	ARRL November Sweepstakes (CW)
20-22 Nov 2004	ARRL November Sweepstakes (Phone)
3-5 Dec 2004	ARRL 160 Meter Contest
4-5 Dec 2004	ARRL International Earth Moon Earth Competition
11-12 Dec 2004	ARRL 10 Meter Contest

see http://www.arrl.org/contests/calendar.html for more info including contest rules

****

STUDENT MEMBERS WELCOMED

Welcome to our student members for 2004-2005. We hope you are able to attend some club meetings and become active in UARC activities. The club is for you as a Registered Student Organization, so we hope you can participate and benefit from UARC.

Students signed up to date for the upcoming academic year include:
Matt Case KL7YQZ, Troy Hanks N7QXA, Will Hoagland, Luke Hollmann KK5PG, Raleigh Love, David Meuret, Danny Poelma KC7WOV, Michael Rash, Toysy Smith, Seth Tastad, Matt Uzzell KD7WYO and Michael Ziemann.

A number of students who signed up last year have not yet signed up for this year, so we hope you will be able to attend Tuesday's meeting and continue to support the club. You will continue to receive this news letter unless you request that we remove you from the email list.

Boy Scouts of America Jamboree on the Air

INVITATION from the CHEYENNE BOY SCOUTS -
The Cheyenne District Boy Scouts of America puts on a JOTA (Jamboree on the Air) every 3rd week in October at the Hynds Lodge. Hynds Lodge is located on Happy Jack Road (Wyoming Road 210) just east of Laramie just north of Curt Gowdy State Park. We would like to know if your club would like to join the Boy Scouts and the Shy-Wy Radio Club this year. The boys have done this for several years and I thought that they might like some different radio operators included this year. We have a large turn out of Scouts and it seems to be growing each year.

Reprinted from the Boy Scouts of America website – also see the ARRL website

www.scouting.org/nav/enter.jsp?s=xx&c=ds&terms=JOTA

The Jamboree-on-the-Air, or JOTA, is an annual Scouting and amateur radio event sponsored by the World Scout Bureau of the World Organization of the Scout Movement. Thousands of amateur radio stations around the world participate. If the conditions are right, it is common to contact a hundred Scouting countries during the weekend.

In the United States, Cub Scout dens and Boy Scout patrols visit a local amateur's ham shack during JOTA. Many districts and councils hold events that coincide with JOTA, where amateurs set up stations giving Scouts and leaders a chance to exchange greetings with Scouts from other areas.

The exchanges typically include information such as

- Name
- Location (QTH)
- Scout rank
- Hobbies
- Age

Some exchanges lead to long-lasting friendships and the exchange of photos, badges, pins, and patches.

The usual communications method calls for speaking into a microphone. However, the following specialized communications are also used during JOTA:

- Slow Scan TV, or SSTV
- Amateur TV, or ATV
- Orbiting Satellite Carrying Amateur Radio, or OSCAR
- Packet radio, or modem communication without a phone--PSK-31
- Radio Teletype, or RTTY
- Earth-Moon-Earth, or EME, contacts

There will be many stations operating, including the following:

- K2BSA/5 at Camp Wisdom in Dallas, Texas
- Additional K2BSA stations assigned to other areas, such as K2BSA/0, K2BSA/1, etc.
- HB95, the World Scout Bureau headquarters in Switzerland
- GB2GP at Gilwell Park, England

Listen for other special call signs from many countries.

Who

JOTA welcomes participation by Scouting and amateur radio enthusiasts of all ages:

- Cub Scouts
- Boy Scouts
- Venturers
- Brownie Scouts
- Girl Scouts
- Former Scouts and Scouters
- Amateur radio operators
- Anyone interested in doing a Good Turn for Scouting and amateur radio

When

The JOTA program always falls on the third full weekend in October.

JOTA will begin on Saturday, October 16, 2004, at 0001 hours local time, and end on Sunday, October 17, 2004, at 2359 hours local time.

Where

JOTA Scout Frequencies

Band	SSB (phone)	CW (Morse code)
80-meter	3.740* and 3.940 MHz	3.590 MHz
40-meter	7.090* and 7.270 MHz	7.030 MHz
20-meter	14.290 MHz	14.070 MHz
17-meter	18.140 MHz	18.080 MHz
15-meter	21.360 MHz	21.140 MHz
12-meter	24.960 MHz	24.910 MHz
10-meter	28.390 MHz	28.190 MHz

* Not authorized to transmit in the United States (Region 2); however, you may listen

How to participate

Scouts and leaders should follow any of the following tips for help in preparing for participation in the JOTA program:

- Contact a local amateur radio operator.
- Contact a local amateur radio club.
- Put a notice in the local newspaper.
- Run an article in the local council newsletter; almost every local council has a Scouter involved in amateur radio.
- Contact the American Radio Relay League's Field and Educational Activities Department toll free at 800-326-3942; or visit the ARRL Web site (http://www.arrl.org/ead/jota.html)]
- Request the More About Jamboree-on-the-Air (JOTA) guide from the International Division at Boy Scouts of America, International Division, S221, 1325 West Walnut Hill Lane, P.O. Box 152079, Irving, TX 75015-2079.

Radio amateurs should

- Invite Scouts and Scout units to their radio shack. Radio amateurs who do not know any units should contact the nearest BSA local council service center for the names of Scout unit leaders in the area. Local councils can be found in the phone book under "Boy Scouts of America."
- Volunteer to set up a station at a district or council camporee, Scout show, or other event. Contact the nearest BSA local council service center for more information.
- Call "CQ Jamboree," or respond to such calls.
- K2BSA/? is available throughout the year for organized Scout events. K2BSA/? may be available for use during JOTA. Contact Ray Moyer for details by e-mail at rmoyer@netbsa.org, or by mail at Boy Scouts of America, Ray Moyer, S219, 1325 West Walnut Hill Lane, P.O. Box 152079, Irving, TX 75015-0279.

Share this fact sheet and a copy of "More About Jamboree-on-the-Air" (request this publication from the International Division) with other radio amateurs and radio clubs.

What Is or Is Not Required

- No reports in the form of logs are necessary. (This is not a contest.)
- Make the exchange of information simple, related to Scouting and amateur radio.
- Brief reports are requested. Download the sample report format. This report should include:
    - Unit number and local council name and number
    - Amateur call used
    - Calls heard and worked
    - Number of participants
    - Interesting incidents and exchanges, etc.
    - Photos with captions (small group, Scout at mike)

JOTA Cards

Wallet-size cards are free and are available to anyone participating. They may be ordered beforehand for presentation during JOTA, or they may be awarded at Scouting or amateur radio club meetings later. Send requests to Boy Scouts of America, Jamboree-on-the-Air Cards, S221, 1325 West Walnut Hill Lane, P.O. Box 152079, Irving, TX 75015-2079, with a self-addressed and STAMPED envelope large enough to hold the requested cards. Please note, these cards are yours to keep.

Postage Guidelines

Number of Certificates	Postage	Envelope Size
1-8	$ .37	#10
9-16	.60	#10
17-24	.60	6" x 9"
25-32	.83	6" x 9"

Pocket Patches

Temporary insignia to wear on the right pocket of the Scout uniform or on jackets/vests will be available after August 15 for $3.50 each (total). This insignia, like the certificate cards, will be available in LIMITED QUANTITY only and will not be reordered when supplies are exhausted. ORDER EARLY. Allow FOUR weeks for delivery on all orders. Only checks or money orders will be accepted and must be made payable to the Boy Scouts of America. We cannot accept cash or credit cards for payment. All orders must be received by January 31, 2005. Orders for patches are to be sent to the same address as for the cards.

The J-Code Experiment

Developed by a group of national JOTA organizers, following the idea of Dave Gemmell, NJO of South Africa, the J-Code aims to make a very basic communication possible between Scouts who have no language in common. During the 47th JOTA, we challenge you to experiment with this new and somewhat unique way to bring Scouts in contact with one another.

The J-Code is a fun way to try to link up with someone with whom you otherwise could not communicate. The J-Code is analogous to the Q-Code often used by radio amateurs. The code can be used in radio contacts during the JOTA weekend.

2004 LARAMIE ENDURO

Doris KD7RQX (left above) consults with Laramie Enduro mountain bike race officials on Sunday 1 August 2004. UARC members provided communications support for the 68 mile race around the Happy Jack area. Planning is already underway for next summer's race. Bill AF7E, Jerry N7JT, Dick KD7FHE, and John KD7NAE provided communications stations at various support locations along the race route. Thanks to everyone who helped out.

Doris KD7RQX set up net control and coordinated communications from the start location at the Tie City parking area. Doris did an excellent job keeping the crew organized and enjoyed net control duties for the all day operation.

High Plains Ham Roundup at Curt Gowdy State Park 10-12 Sept 2004

The setup at Camp Russell Shelter Friday evening after a fast moving thunderstorm doused the area

Five tasty varieties of chili were on the menu at Saturday's Chili Cook-Off.

Jerry N7JT, Jackson and Wayne NQ7Q distribute door prizes. Jackson was in charge of drawing the winning tickets. Prizes included Billy the Big Mouth Bass.

ANTENNA WORK

UARC members enjoyed good weather for antenna tower work Saturday 25 September 2004.

Left is Bill AF7E's crank-up tower in position and ready to be raised to its vertical position.

Below the winch is in place and ready to pull the tower up into position. Left to right are Doug KD7W, John KD7NAE, Bill AF7E and Dave KY7DR.

Everyone assists to get the tower started upward. Fred KS7Q came prepared with hard hat – definitely a good idea – and provided the winch setup which made easy work of the lift once the tower started upward. Pictured are John KD7NAE, Wayne NQ7Q, Doug KD7W, Jerry NQ7Q (under the tower in the right hand picture opposite Fred) and Fred KS7Q with the hard hat. Bill AF7E is upper right in the right hand photo.

The tower is in position and the bolts are tightened to finish the job at AF7E’s QTH.

Jerry N7JT and John KD7NAE begin lowering ND70 Rhett's HF beam. The HF and a two meter beam were removed and lowered with only minor damage to the HF beam resulting. No other property damage or injury to people or animals occurred during the day's activities thanks to good preparation, safe procedures and communications among the participants.

Satisfied clients Bill AF7E and the Big Dog in Charge approve of the job and the crew are ready to move on to the next project for the day.

Dave KY7DR (left above) and Doug KD7W (below) prepare the Gin Pole for removal of the top tower section.

Jerry N7JT prepares to separate tower sections using a small jack.

Minutes from UARC Meeting – 7 September 2004

Call to Order:

The September meeting was called to order by President John KD7NAE at 7:37 pm in room 2100 of the Engineering Building. 11 members were in attendance; all officers were present. Those attending were: Danny Poelma KC7WOV, Wayne Sutherland NQ7Q, Judy Sutherland K7JMS, David Rush KY7DR, Paul Pheneger W7MO, Mac MacDonald WB7K, William H. Wright AF7E, Barry Mather AD7CL, John Harrison KD7NAE, Bill Frazier N7SXC, and Doris Hutcheson KD7RQX.

Reports:

Treasurer's Report - Bill N7SXC gave the treasurer's report:

Bills paid: None
Deposit
Dues $15
Regular account balance: $60.37.
Bills paid:
Reimbursement to Fred Crowell $62.25
Maintenance fund balance: $938.67.
High Plains Roundup balance $622.55

Registered Student Organization

John KD7NAE attended a meeting for RSO officers today. The RSO activities including registering new student members will be held September 8th from 10:00am until 1:00pm. Tables will be set up on the east side of the Union.

John has reserved a table for UARC. Jerry will provide the club equipment and handouts used for the event. He suggested that if RSO status becomes difficult it might be possible to get Department sponsorship through the college of Engineering or the Physics department.

Bill N7SXC suggested taking out an ad in the Branding Iron to attract student members. John agreed that the Student Activities Committee does provide ad support for RSOs as well as support for radio announcements, poster production, FAX, file cabinet space and mailbox space. Funding is available for public activities. SAC also gives prizes and awards for public service.

Display cases, notice boards and table space are available in the Union breezeway. Big screen TVs in the Union are available for slide-show presentations. Audio-visual equipment is available through the Ellbogen Center for Teaching and Learning.

SAC clarified the legal status of RSOs – they are not considered official representatives of the University. Typically RSOs are not considered non-profit.

The clubs paperwork including the list of officers and student members is due October 1st.

Old Business:

Field Day:

John KD7NAE reported that the statistics were submitted electronically.

Paul W7MO commented that this was the first time everything was set up Friday instead of Saturday morning with a late start.

Dead Dog Classic:

Dave KY7DR reported that the race coordinators were very happy with our communications support. They commented that they could not have had better support if they had paid for it.

Enduro Mountain Bike Race

John KD7NAE reported that the race coordinators for this event were also impressed. Rich Vincent was impressed by what the club provided. It was also reported that Tom's repeater 147.015 is now shut down and Tom has moved

to Arizona. There was a suggestion that next year this race may need to use simplex.

High Plains Roundup

Wayne NQ7Q reported that registration will begin at noon on Friday. The cost is $3.00 per person and includes 2 tickets for the door prizes. The grand prize will be a Yaesu mobile radio.

Coffee, hot dogs, and hamburgers left over from Field day will be served on Friday evening.

Saturday at noon there will be a chili cook-off and potluck followed by a brief business meeting.

Bill Edwards WU7Y will provide a pancake breakfast Sunday morning.

Dave KY7DR moved to have the new High Plains Roundup account reimburse UARC the $70.00 paid for the state park site daily fees, Wayne NQ7Q seconded and the motion was passed by the club.

Antenna & Tower

The club discussed taking down Rhett 's equipment. It was agreed at a previous meeting that the club would accept the donation and might be able to use some of the gear for Field day. Bill AF7E commented that he was not sure of the condition of the rotor and antennas. The club will need a gin pole and jack to disassemble the tower.

Bill AF7E requested volunteers to assist with raising his tower on Saturday September 25th or 26th. There was discussion of possible taking down Rhett's tower the same day.

New Business:

The club decided to delay electing new officers until the next meeting due to low attendance. Barry AD7CL announced that our faculty advisor Jerry N7JT will be retiring. There was a discussion of individuals that might be interested in taking over that position.

John KD7NAE reported that the Medicine Bow repeater appears to be functioning. HERC net linkage to Casper is not working. Mac WB7K commented that there is also a repeater in the Wheatland area on Laramie peak. He is not sure if it is functioning. The site is not easy to access.

Dave KY7DR announced that a new satellite was launched in June and that he has worked it with his hand-held.

The meeting was adjourned at 9:02 pm.

Doris
KD7RQX

UARC Faculty Advisor Jerry N7JT and Doris KD7RQX meet new friends at the UARC table at RSO day activities east of the Wyoming Union 8 Oct 2004.

Photo by John KD7NAE

Submissions to COTW are welcome from all UARC members, area hams and persons interested in amateur radio communications and activities.

Printed copies of COTW are available from John KD7NAE.

Please contact

John M. Harrison KD7NAE
4431 Comanche Drive
Laramie WY 82072
email johnmh@uwyo.edu
phone 307-745-5833 home
307-766-2408 work
307-760-8154 cell phone