



Loveland Repeater Association Newsletter

<http://www.info2000.net/~lra>

The official organ of the Loveland Repeater Association, a non-profit organization supporting all aspects of Amateur Radio in the Loveland, Colorado area.

LRA Officers

President..... Ted Cline, NØRQV, 970-593-9303, ted_cline@agilent.com

Vice-President.....Tom Levendusky, Jr., NØMWY, 970-962-9023, NØMWY@arrl.net

Secretary/Treasurer..... Ron WØOSK and Jody NØAJB Klein, 970-532-3013, ronklein@ix.netcom.com

Editor.....Walt Harsch, KCØFGT, 970-679-0178, walter@ezlink.com

FM Repeaters

2 Meters (NØRQV).....147.795 (in)/147.195 (out) MHz (100 Hz Subtone; 1* on, 0* off)

440 (NØRQV).....449.575 (in)/444.575 (out) MHz (100 Hz Subtone; 1* on, 0* off)

Interference Coordinator..... Ted Cline, NØRQV,970-593-9303, ted_cline@agilent.com

General Repeater Maintenance.....Dennis "Duff" Dyer, WØXYZ, 970-593-9984, dennis_dyer@msn.com

Repeater Macros..... Tom Levendusky, Jr., NØMWY, 970-962-9023, NØMWY@arrl.net

Club meetings are held the first Saturday of each month at the Wayside Inn in Berthoud, CO (505 Mountain Ave (US 287), 970-532-2013). An optional \$6.00 breakfast buffet begins at 8 AM. The meeting starts promptly at 9 AM.

Visitors are welcome. Come join us!

Next Meeting: Saturday, September 1st

President's Corner

From Ted Cline, NØRQV

Both repeaters are working. Everything is just ducky.

Thanks to Brian Wood W0DZ for a demonstration of his computer program to display the status of an HF rig. Hope QST approves his article soon.

Thanks to the ham volunteers at the 5430 Triathlon Iron Distance Triathlon Sun-Aug-26 (2.4 mile swim, 112

mile bike, 26.2 mile run, from Boulder Reservoir to Masonville and back).

Come join us at this Sat-September-1 meeting.

73, Ted

Jamboree on the Air

From Chris Kelly, KØPF

Jamboree On the Air, an international Boy Scout ham radio event will be held October 20-21, 2001.

This two-day event is used to acquaint Scouts with Amateur Radio, and is a great opportunity to encourage young people's interest in ham radio, and to pursue earning their license. It also exposes many adults to ham radio, and is a great opportunity for public service, informing the public and building goodwill and awareness of the amateur radio service.

Your participation in JOTA can take several forms:

Simplest, you can contact Cub Scout, Boy Scout and Girl Scout organizations in your area to offer them to visit your

station during JOTA and talk to other scouts around the country and around the world. Saturday Morning is usually the best time, and visits are usually about half an hour to an hour in length. Visits should always include at least two adults and two youth.

Second, you (and the club) may want to sponsor a public JOTA event Saturday morning at a local city park. The last several years, I have sponsored JOTA at Namaqua Park on the west side of town next to the river. Contact the city to reserve the picnic shelter, which has electric power, or just set up an awning and antennas in the park. This year I will be unable to do this, because:

Third, this year, we will have JOTA at the Ben Delatour Scout Ranch near Red Feather Lakes. Through the Summer, Ted Black, WB0TSX, Joseph Kelly, K0PFT (Star Scout) and I have worked to set up a permanent ham radio station at the ranch, which is the main Boy Scout Summer Camp in this area. The Long's Peak Council has scheduled and advertised a JOTA campout for this weekend, and we expect possibly a hundred scouts or more to attend.

If you can help with this part of JOTA at the Scout Ranch, please contact me (Chris Kelly, 663-5779) to volunteer. We will need operators for HF and satellite, and hams who can describe various aspects of ham radio to the scouts who are waiting for their turns to use the radio. If you can run PSK31 or other computer modes, this would also be of interest to the young hams-to-be. Photos and stories of public service events involving ham radio (Floods, Skywarn, etc) are always interesting.

Fourth, we would like to have a contact list for hams interested in helping instruct scouts in ham radio classes or for their radio Merit Badge. This helps the scouts continue to develop their interest in ham radio. If you, or someone you know, is willing to meet with scouts in the Loveland, Greeley or Fort Collins area, please contact me to place your name and phone number on handouts.

Thanks for your help,
Chris Kelly
K0PFT
wd5ibs@verinet.com

Minutes of August 4 Meeting **From Jody Klein, N0AJB**

Introductions were made with 21 members present.

Reports:

Treasurer:

Report appears in the newsletter. An anonymous donation of \$___ has been given to the club.

Interference: None

Repeater:

Dennis WB0MWL reported hearing the phone patch hanging up. Tom, N0MWY, mentioned hearing the repeater south of Fairplay.

Classes:

Dennis and Bob WA9FBO will have a class this fall. There may possibly be two, one for Tech and one for upgrade.

Old Business:

The club Christmas Party will be December 7.

New Business:

John Clark of BHS visited again. School starts in 3 weeks. Students are working on computers and Mr. Sherman wants a web page for the school. You can reach John at 613-7000 or at johnclark@home.com

BARCfest is coming September 23.

50/50 was \$18.00 Bill Fullerton won and donated his share to the club.

Brian, W0DZ, showed his new SWR meter, pictures of his shack, and demonstrated his new program to display frequencies.

Treasurer's Report for August 2001 **From Ron Klein, W0OSK**

There were no new members added in August, with minimal bank activity.

Our bank balance was \$___ on August 27, 2001. There was a \$___ anonymous donation to the general fund.

We continue to be solvent!

Details of account activity through August 27, 2001 are shown in the following table:

Beginning Balance as of 7/29/01	
Credits	
50/50 (July + Aug)	
Donation to general fund	
Total Credits	
Debits	
Newsletter	
Public Service	
Qwest	
Bank Charges	
Total Debits	
New Balance as of 7/27/01	

AO-40 ATTITUDE CONTROL SYSTEM APPEARS FUNCTIONAL from: *The ARRL Letter, Vol. 20, No. 34, August 24, 2001*

The commissioning of the AO-40 satellite recently took another giant step forward as ground controllers reported success in testing the spacecraft's momentum wheel attitude control system. AO-40 controllers hope to use the momentum--or "reaction"--wheel attitude control system to aim its antennas and, eventually, its solar panels. The testing paves the way for possible deployment of the solar array and better signals on the ground.

"We can say with some caution that we have a working three-axis control system!!!" enthused AMSAT-DL President and AO-40 team member Peter Guelzow, DB2OS, in a posting to the AMSAT bulletin board. Until now, AO-40's attitude has been under "spin control," and that remains an option. The three-axis control offered by the momentum wheels will mean much more positive attitude control from the ground anywhere in the satellite's orbit.

"More tests will be done over the next few weeks, before we will transfer the spacecraft from spin stabilization into three-axis stabilization," Guelzow said.

Correct operation of the momentum wheels is considered essential to solar panel deployment. Ground controllers say the three-axis control system will be tested extensively before any decision is made to deploy AO-40's solar panels.

AMSAT reported last week that the 2.4 GHz "S1" transmitter aboard AO-40 suddenly went silent August 13 and appears lost. The "S2" transponder continues to operate normally.

For more information on AO-40, visit the AMSAT-DL Web site, <http://www.amsat-dl.org/> or the AMSAT-NA Web site, <http://www.amsat.org>.

Would you like to get your newsletter via email?

41 of you have already signed up! Thanks. If you sent me an email, but still got a hard copy, please email again. Find out what's happening with LRA a day or two sooner – sometimes even BEFORE the monthly meeting! Just send Walt an email at walter@ezlink.com and I'll add your email address to the monthly list. It's fast, it's simple and it will save your club much \$\$\$ (First class postage is up to \$.34 now!) I send in Text (.txt) and MS Word 2.0. (.doc) formats. This month I'm trying PDF – if everyone can read it, that may become the format of choice.

Walt, KCØFGT

Captain Midnight ???

How many of you remember that show? Remember the episode where Captain Midnight was locked up in a block ice vending machine and to escape he pulled out some loose wires and stuck them in the next block of ice spelling his "Secret Squadron" call sign, "SQ1?" This shot sort of reminded me of the inside of an ice house, or "the shack" which it is. Duff sent this fine picture of the new charging system ... thanks Duff! Ed.



Upcoming Swapfest Information

*Sun-Sep-23 8am-2pm: Boulder Amateur Radio Club's BARCFest, \$5, Boulder County Fairgrounds in Longmont,
http://www.qsl.net/wm0g/BARCFest_2001.html*

*Sat-Oct-20 8am-2pm: RMRL Hamfest, \$4, Jefferson County Fairgrounds in Golden,
<http://rmrl.hamradios.com/hamfest/hamfest.htm>*

ARRLWeb offers on-line hamfest calendar: Need to know when and where the next hamfest or convention is? Visit the new ARRL Hamfest and Convention Database at <http://www.arrl.org/hamfests.html>.

Loveland Repeater Association
 PO Box 1733
 Loveland, CO 80539-1733



Amateur Radio Serving the Community
 Since 1978



**LOVELAND REPEATER ASSOCIATION
 MEMBERSHIP APPLICATION**

NAME		CALL	
ADDRESS			
CITY		STATE	ZIP
PHONE	LICENSE CLASS	UNDER 18 Y N	ARRL MEMBER Y N
PACKET ADDRESS		E-MAIL ADDRESS	

DUES: Family Membership \$20.00 *NEW FAMILY MEMBERS ARE*
 Under 18 \$ 5.00 *PRO-RATED AT \$1.75/MONTH*
*****USE BACK OF FORM FOR ADDITIONAL FAMILY MEMBERS*****

INCLUDES 2 **FREE** MACROS

Contact: Ted Cline, N0RQV, 593-9303

MAKE CHECKS PAYABLE TO **LRA**

Loveland Repeater Association
 P.O. Box 1733
 Loveland, CO 80539-1733

TOTAL ENCLOSED DUES
