



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, August 4th

President’s Corner
From Ted Cline, NØRQV

Both repeaters are working. Everything is just ducky.

Thanks to all the Friday setup helpers for our Field Day: Bill Bruce N0ZV, Ted Cline NØRQV, Duff Dyer WØXYZ, Clyde Glass N0CG, Walt Harsch KCØFGT, Rick Kile WB7THT, Tom Levendusky NØMWY, Dick Reeve KB0WWA, John

Siefers W0GMJ, and Brian Wood W0DZ. The club advertised a free dinner for all Friday helpers, but we never provided since we finished so late. So we're buying \$6 meeting breakfasts instead. We still owe breakfasts to Duff, Walt, John, and Brian.

Thanks to Tom Levendusky NØMWY for sharing his Field Day 2001 video.

And thanks to Rick Kile WB7THT for volunteering to organize our third LRA Christmas Dinner, on Friday December 7.

Dennis Agosta W0DSA hopes to start another LRA ham class this Fall.

Come join us at this Sat-August-4 meeting.

July 7, 2001 Meeting Report

From Tom Levendusky, Jr., NØMWY (Thanks Tom for standing in! Ed.)

Introductions we made, 15 members were present.

Reports:

Treasurer: Report appears in newsletter
Newsletter: Any problems please let Walt

know.

Repeaters: No problems noted
ARES: No report available

Old Business:

Field Day: This year we operated as 4A. Brian says that our total score should be about 9758 points. Last year this was good enough for 6th place (not bad for a bunch of guys that don't know what they were doing. Hi, Hi). The members that helped with set up were treated to a free breakfast at the meeting. This was about 13 people. We discussed buying a field day software logging program. If anyone has any suggestions please let Ted know. We also thought it would be helpful to have a demonstration of the software the month before field day.

Club Digipeater: This is still in Ted's house and he will put it in the shack the next time he gets up there. We talked about setting the digi to do APRS weather. More about this to come.

New Business:

Mike Hickerson WØMBH wanted everyone to know that the 5wpm code test is now 13-15 wpm farnsworth instead of 18wpm farnsworth. The ARRL tapes will be update with this change. NCARC hamfest will be on July 14th at the Larimer County Fairgrounds. The LRA Christmas Dinner will be on the first Friday in December. (Dec 7th) Rick Kile WB7THT will be the contact for the dinner. If anyone has any ideas for the entertainment at the meetings please let Ted know.

50/50 Drawing:

A total of \$12.00 . Clyde Glass NØCG.
Clyde received \$6.00.

Entertainment:

Field day video that Tom NØMWY took over the weekend.

Treasurer's Report for July 2001 From Ron Klein, WØOSK

There was one new membership this month, for a total of 108 with 31 family members included.

Our bank balance was \$___ on July 29, 2001.
There was a \$___ donation to the equipment fund.

We continue to be solvent!

Details of account activity through July 29, 2001 are shown in the following table:

Beginning Balance as of 6/30/01	
Credits	
Membership (new)	
Donation to equipment fund	
Total Credits	
Debits	
Newsletter	
Public Service	
Qwest	
Postage (stamps)	
Bank Charges	
Total Debits	
New Balance as of 6/30/01	

Colorado 14er Event: Amateur Radio Fun in the Mountains

Sunday, August 26, 2001
www.Colorado14erEvent.org

Amateur Radio operators from around Colorado will be climbing many of Colorado's 14,000-foot mountains to set up amateur radio stations in an effort to communicate with other radio amateurs across the state and around the world. Join in on the fun Sunday, August 26th, from approximately 9 AM to noon local time (1500 to 1800 UTC), and see how many of the mountaintop stations you can contact.

Frequencies used during the event: The 2M FM band plan has been changed this year to use a

"primary frequency and QSY up" approach. Frequencies are NOT assigned by mountain range. See the web site for more information.

Bob Witte KBOCY
kb0cy@arrl.net

From the ARRL Newsletter: AO-40 TRANSPONDERS BACK ON THE AIR!

AO-40's transponders are back on the air, following an orbital shift that put the Amateur Radio satellite into an orbit that AMSAT says should be good for many years to come. Transponders have 435 MHz and 1.2 GHz uplinks and a 2.4 GHz "S band" downlink.

The transponders have been off since late May, when preparations began to shift AO-40's orbit at perigee. That operation was completed earlier this month, and ground controllers have been readjusting the spacecraft's attitude since then.

Ground controller Stacey Mills, W4SM, said the transponders would operate from orbital positions MA 10 through MA 99. Uplink frequencies (without taking Doppler into account) are 435.495-435.780 MHz and 1269.211-1269.496 MHz, and the downlink passband is 2401.210-2401.495 MHz. The transponders are inverting, so a downward change in uplink frequency results in an upward frequency shift in the downlink.

Mills emphasized that earthbound ops should not use any more uplink power than necessary. He also noted that the transponders could be switched off to accommodate additional testing.

AMSAT Awards Manager Bruce Paige, KK5DO, in Houston, was among the first stations to get on AO-40 after the transponders were reactivated. "It sounds awesome," Paige said. "I am transmitting with 25 watts up, and it sounds great!" In addition to some domestic contacts, he and his daughter, Mahana, W5BTS, worked EA8/DJ9PC in the Canary Islands.

Michael Mims, K4IZN, in Alabama says he's on AO-40 with a discarded TV satellite dish and a "bean can" feed horn. His downconverter is a modified Drake 2880 with no preamplifier. "This is going to be a good bird!" he declared.

Although AO-40's attitude still is not optimal at this point, ground controllers had to suspend operations to adjust it after an onboard sensor lost its view of the sun. Without data from the sun sensor, ground controllers cannot be certain of the satellite's attitude.

Mills said now that the ground team has "a very good fix" on the spacecraft, they'll do nothing to change its attitude for several weeks, while the solar angle decreases. Once the

sensor regains its view of the sun, efforts to adjust the spacecraft's attitude will resume, so that AO-40's antennas are pointing toward Earth. Mills said ground controllers will use the interim period to see if they can re-calculate the so-called "mystery effect" that had been impacting AO-40 at perigee under its former orbit.

Would you like to get your newsletter via email?

39 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. I've tried to get rid of the extraneous characters caused by the line draw and other control codes in Word, but Bill G's software just doesn't want to let them go.

Walt, KCØFGT

Upcoming Swapfest Information

There are no listed events for the Rocky Mountain Region in August. Ed.

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>. You can search for hamfests and conventions by state, by ARRL division or section, or--if you're not sure just where it is or what it's called--by using a word or phrase in the event's name. The Hamfest and Convention Database can narrow your search to a particular month and year if you wish. It also lets you scroll the entire hamfest schedule in chronological order. Check it out! Sponsors are requested to send hamfest or convention information to Gail Iannone, giannone@arrl.org or call 860-594-0262