



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, toml@frii.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, toml@frii.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, May 5th

President’s Corner

From Ted Cline, NØRQV

Both repeaters are working. Everything is just ducky.

Field Day is June 22-24. We need a volunteer for Field Day Poobah. Do we want vertical antennas again? Or maybe use shorter towers?

At this Sat-May-5 meeting, I will pass around a signup sheet for ARRL's Field Day T-Shirts and Pins.

73
Ted

April 01 Meeting Report

From Jody Klein, NØAJB

The meeting was called to order by President Ted Cline. There were 16 members and 4 guests present.

John Clark, BHS, gave a hand out on the HO Train project he is hoping to use to teach electronics and electricity at the school. He also passed out the letter he sends home to the parents of his students and a copy of his shop inventory. John also reported that he needs additional function generators and could use some help checking out some oscilloscopes. John can be reached at 613-7736 or johniclark@home.com. Scott Kindt was also present. He teaches physics and earth science and is interested in learning more about becoming a ham. He has some basic wire antennas installed for his students to use with an older receiver that he owns. He is also beginning to think about projects for next year and would welcome suggestions. He can be reached at 613-7743 or kindt@oneimage.com

Treasurer's report: Ron reports that we have members and money (we're not broke) and that everything is just ducky. Records show that expenses for last year's field day were \$___ and we should have enough money to cover a similar expenditure.

Newsletter: Walt reports that the e-mail version of the newsletter is going well – and cutting down on costs. He also reported an HTML version was sent this time as well.

Interference: None reported.

Repeater: Tom, NØMWY, has taken over the macros. He had to purchase new software, which he will donate to the club. He is cleaning up the macros and will be connecting the autopatch to work with the 440 machine. 3000* will get the time. 920* will get the Fort Collins weather.

New Business:

American Diabetic Association Bike-a-thon will be held June 9, 5 am to 3 pm. Hams are needed to man rest stops and assist medical personal. Contact Ted, NØRQV if interested in volunteering.

Field Day: is June 22 & 23. There will be more information next month. Ted asked for a volunteer to take charge of Field Day, while he will arrange for the porta-potty.

Randy Long WØAVV is still in the hospital. His recovery is going well, albeit slowly. He is in room 330 at McKee. He has an ht in his room and is enjoying listening to it.

Scott Kindt offered to open the Berthoud High Observatory for us.

50/50: The total was \$18. Jody Klein won \$9

**From our Secretary/Treasurer for February 2001
From Ron Klein, WØOSK**

Our bank balance was \$___ on April 30, 2001. Significant account activity for the month was limited. We did receive another donation of \$___ to the repeater fund. Details of account activity through April 30, 2001 are shown in the following table:

Beginning Balance as of 3/30/01	
Credits	
Repeater Fund	
50/50 Drawing	
Total Credits	
Debits	
Newsletter	

Public Service	
Qwest	
Bank Charges	
Total Debits	
New Balance as of 4/30/01	

Upcoming Swapfest Information

There are no special events listed on the ARRL website for the

Aurora Borealis Web Pages (Thank You, Ted! Again!)

Reports from around USA:

<http://www.spacew.com/aurora/forum.html>

Auroral Activity Sighting Reports:

<http://www.spacew.com/www/auroras.html>

Hourly STD DMSP/POLAR Auroral Activity Report:

<http://solar.uleth.ca/www/aurora.html>

Intensity of aurora stripchart?:

http://www.sec.noaa.gov/ace/MAG_24h.html

Stripchart of width of aurora?:

<http://xyber.irisz.hu/cucc/aurora.html>

Current Solar Data (from NOAA):

<http://www.maj.com/sun/noaa.html>

Would you like to get your newsletter via email?

36 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!) In May I'll send in Text (.txt) and MS Word 2.0 (.doc) formats. Several of you got the HTML just fine, others did not. I'll keep experimenting with file types – maybe .pdf next

Walt, KCØFGT

**From: ARRL Web site [memberlist@www.arrl.org]
ARLS007 AO-40 Transponder Operation Possible This
Summer**

AMSAT-NA President Robin Haighton, VE3FRH, has raised the possibility that AO-40 could inaugurate transponder

operation this summer, if tests and orbital maneuvers between now and then go as planned.

"We are learning how to fly this thing," Haighton said. "But I still think we're going to end up with a darned good satellite."

The most likely initial transponder configurations, Haighton said, would be Mode L/S--1.2 GHz up and 2.4 GHz down, Mode U/S--435 MHz up and 2.4 GHz down, and possibly Mode V/S--145 MHz up and 2.4 GHz down.

Recent data suggest that the mid-December incident that silenced AO-40 for two weeks and rendered some systems unusable also might have blown a hole on the 400-newton motor side of the spacecraft. "Speculation is there could be damage, and sunlight is getting right in," Haighton said. He noted that ground controllers have detected a distinct rise in temperature when sunlight strikes that side of the satellite.

Ground controllers plan to raise the height of the perigee in the very near future, Haighton said. That process, using the onboard arc-jet motor, could take up to several weeks. The AO-40 team hopes the maneuver will minimize or eliminate possible effects on the satellite's orbit caused by atmospheric expansion at the peak of the solar cycle.

AO-40 currently is approximately 320 km--almost 200 miles—above Earth at perigee--its closest point--and some 51,000 km--some 31,600 miles--at apogee. Plans call for raising the orbit at perigee to around 520 km, or some 320 miles.

Once the orbit has been adjusted, ground controllers would orient the spacecraft's attitude and check out the various onboard transmitter and receiver systems to see what works and what does not. "We're still pretty confident that the 2 meter and 70 cm transmitters are not there," Haighton said, "but we're equally confident that the receivers for those bands still are." (*the AO-40 satellite is NOT ducky. Ed.*)

The satellite has been transmitting telemetry on the 2.4 GHz (S-2) beacon, and signals reportedly have continued to improve—although the beacon has been out from time to time as needed to conserve power during eclipse periods.

You're story, classified ad, joke or cartoon could have gone right about here! And, everyone would have thought it was just Ducky!. Ed.

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
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