

Northern Colorado Amateur Radio Club
P.O. Box 272956
Fort Collins, CO 80527-2956

The Tribander

The monthly Newsletter of the Northern Colorado Amateur Radio Club
For AUGUST, 2010
Club Meetings are held on the 3rd Saturday of each month

*** LOCATION for AUGUST ***

Widow McCoys Restaurant
1011 E. Eisenhower Blvd.
Loveland, Co 80537 970-667-0426

All are welcome and encouraged to attend.

Bring yourself and your appetite at 8:00 am.
The Meeting begins at 9:00 am.

NCARC Club Information


Club Officers

President	Willis Whatley	WA5VRL	970-407-6599	whatley@frii.com
Vice President	Mike Bates	N7DQ	970-219-3325	n7dq@comcast.net
Secretary	Jerry Williams	KE5INP	970-454-3821	jcwillie@mywdo.com
Treasurer	Paul Rulon	KDØBER	970-495-0181	paulrrulon@comcast.net
Newsletter Editor	Maurice Mines	KDØIKO	970-378-7065	minesm@me.com
Control Op / Trustee	Tom Jungmeyer	K1TJ	970-484-8329	tom@completetowing.com
Technical Committee Chair	Eric Slutz	NØEAS	970-282-3752	eric@redginger.com
Hamfest Chair	Mike Bates	N7DQ	970-219-3225	n7dq@comcast.net
Interference Coordinator	Chris McNair	KDØEGE	970-225-9626	kd0ege@gmx.com
Webmaster	Ed Gage	NØTVQ	970-302-3455 970-356-5005	edward_gage@hotmail.com

NCARC Repeaters

W0UPS: 145.115 MHz – (144.515 MHz Input) 100 Hz CTCSS Subtone (1* on, 0* off) Autopatch Echolink Node 4236 (40-32.926N, 105-11.898W, 7229 ft) Horsetooth Mountain, west of Fort Collins, CO
W0UPS: 447.275 MHz – (442.275 MHz input) 100 Hz CTCSS Subtone Autopatch (40-32.926N, 105-11.898W, 7229 ft) Horsetooth Mountain, west of Fort Collins, CO
W0UPS: 224.520 MHz – (222.920 MHz input) 100 Hz CTCSS Subtone (40-32.926N, 105-11.898W, 7229 ft) Horsetooth Mountain, west of Fort Collins, CO
W0UPS: 146.625 MHz – (146.025 MHz Input) 100 Hz CTCSS Subtone (40-50.266N, 105-3.017W, 5600 ft) SW of the Rawhide Power Plant, 17.5 miles north of Fort Collins, CO
W0UPS: 146.850 MHz – (146.250 MHz Input) 100 Hz CTCSS Subtone (1* on, 0* off) (40-25.341N, 104-44.182 W) Greeley, CO
W0UPS-5: 144.390 MHz – APRS Digital Repeater (40-32.926N, 105-11.898W, about 7229 ft) Horsetooth Mountain, west of Fort Collins, CO
W0UPS: 448.025 MHz – (443.025 MHz Input) 100 Hz CTCSS Subtone ARES Repeater (40-26.650N, 104-59.370W, about 5192 ft) Budweiser Event Center on I-25 at MM259
NEW* W0UPS: 145.205 MHz – (144.605 MHz Input) 100 Hz CTCSS Located on Buckhorn Mountain. (GPS: 40.6169, -105.3274) Link to 224.840 by touch tone 10* - unlink with 11*
NEW* W0UPS: 224.840 MHz – (223.240 MHz Input) 100 Hz CTCSS Located on Buckhorn Mountain. (GPS: 40.6169, -105.3274) Link to 145.205 by touch tone 10* - unlink with 11*

Nets

ARES HF Net	Sunday	8:00 am	~3.81 MHz LSB
Pine Beetle Net  <- Ringo, Net control	Sunday	~9:00 am	145.205 MHz
ARES Statewide VHF Net	Sunday	8:30 pm	145.310 MHz
Central Colorado Traffic Net	Daily	7:30 pm	145.310 MHz
220 MHz Informal Net	Monday	7:00 pm	224.520 MHz
Tech Net	Wednesday	7:00 pm	145.115 MHz
ARES District 10 Information Net	Thursday	7:00 pm	145.115 MHz

Web Page

<http://www.ncarc.net>

Submissions: News letter to be published one week prior to the beginning of the month.
All submissions are due 10 days prior to the beginning of each month.

NCARC

Meeting Minutes for July 17, 2010

The July meeting was held at the Widow McCoy Restaurant in Loveland. It was called to order at 9:00AM by acting President Willis WA5VRL. Introductions were done all around, with call letters. There were 19 people present.

Secretary's Report: Jerry was not present at this meeting. Last months minutes are on the NCARC web site archive.

Treasurer's Report: Paul KDØBER said our balance as of meeting date was \$2,161.55 in savings and \$5,5624.47 in the checking account.

Control Op Report: Tom K1TJ reported that the 220 MHz repeater had failed and was running again: all repeaters were now working. (see power supplies below and new business)

Technical Committee: Eric NØEAS was not in attendance. Tom, K1TJ, reported that a new Astron 35Amp power supply for the repeater site was ordered but not yet received. This is to replace a number of less rugged power supplies at the repeater site that had failed in recent history.

Hamfest: Mike N7DQ is still searching for a location for the hamfest to be held. If anyone has a suggestion, please contact him at N7DQ(at)Comcast(dot)net. It will soon be time to start accumulating the prizes, etc.

- * The Event Center is expensive and catering is an additional issue
- * Heritage Christian Academy was reasonably priced but they had a newish gym floor that could be damaged by heavy foot traffic.
- * There are a number of other sites that are being looked at and a decision should be made within the next couple of weeks.

Interference Committee: no report.

Coming Events:

- | | |
|----------------------|--|
| July 20 | BARC Picnic on Tuesday evening at 6:30. Location: Presbyterian Church located at 61 st and Valmont In Boulder. |
| August | DRC will be holding its annual swap fest at Jeffco Fairgrounds. |
| September 26 | BARC Swap fest at the Boulder County Fairgrounds in Longmont. |
| August 21 | Old Flowers 10K run. (Needs 3 or 4 hams) Deb Peterson has contacted the club about communications support. – Email Willis (whatley@frii.com) |
| Memorial Day Weekend | - ARRL 2-day event, State meeting |

Old Business: Willis said he would investigate the price of a small computer projector for the club with the target price of around \$300 and also reasonable life and replacement costs for the projector bulb.

New Business: A question was raised about what needed to be done to upgrade the remaining repeater power supplies. A motion was made and seconded to add an additional Astron 35 Amp power supply for \$260. There was a discussion about using modular supplies and the motion was tabled until further investigation was done on finding the best route to go.

ARES: Hudson needs at least 2 volunteers to help set up their EOC. Anyone with experience in such matters will be doubly appreciated. This is happening July 20 or 21, about 5 to 8 PM. Contact Rob, WØFT.

Hey Yogi, It's a pick-a-nick! Discussion was raised about having a September NCARC picnic. Anyone who would like to help out contact Tom, K1TJ, or Dan, W7RF.

Business meeting adjourned at 9:16 am.

(Side Note: Tom Jungmeyer is taking over for Steve Henry as Trustee. Paper work has been turned in. 2010 July 20)

A presentation was given at the July meeting by Kevin D. Hogg, WØRF, from WAPA (DOE) [Western Area Power Authority, a part of the Department of Energy].

Kevin's presentation was titled **Mobile Radio Testing Program**, a program on how WAPA converted their wideband FM (25KHz) radio system to the current narrow band mode. This program demonstrated the computer programs and processes used to determine the best repeater locations and which bands offered the best coverage.

Physical repeater and mobile placement RF level terrain maps were made for both UHF and VHF bands.

Various computer modeling programs were also used to verify that results were within reason.

One interesting result is that VHF tends to 'hold on' better in hilly terrain as compared to UHF.

Kevin also showed a slide of the calculated coverage for the NCARC repeaters used for the recent Poker Run event that went from Greeley up through the nearby mountainous area to the west.

Meeting was adjourned 10:20 AM.

Submitted by John Wells, on behalf of Jerry Williams

Field Day June 26 – 27, 2010: CQ DE Home Depot parking lot, QTH Fort Collins, Colorado.



We had a wonderful Field Day this year. We had some new hams at the event and some even made contacts. There were over 200 contacts made on phone and cw. Those that worked cw sure made a hit. We even made some contacts on 10 meters. I hope everyone had as much fun as I did. We kept the station working on battery power and did make it for 24 hours. I would like to say thank you to all the people who came by and a big thank you to the people that helped in setting up and taking down the equipment. I would also to thank all of the ones that made contacts. I enjoy doing the Field Day on battery power so if we have an emergency we are prepared. Even for a little rain we made it happen.

THANKS

Willie Williams W5WIW

Jerry Williams KE5INP

ED note: Thanks to Jerry and Willie for their support of the NCARC field day activity and all those that made Field day a success.



Northern Colorado Amateur Radio Club Information/Application Form



- ____ I would like more information on Amateur Radio.
- ____ I want to join the NCARC. My payment is enclosed.
- ____ I want to renew my membership. My payment is enclosed.

Annual Dues:
Family Membership: \$25.00
Full Time Students: \$5.00

BEFORE FILLING THIS OUT, READ THIS MESSAGE -----

Name: _____

Callsign: _____

Street: _____

City: _____

State: _____

Zip: _____

Telephone: _____

License Class: _____

E-mail Address: _____

You only need to fill in your name or callsign and anything that has changed. Any items left blank will be assumed to be correct in the NCARC database.

If you would like to receive the newsletter by E-mail, please indicate so here.
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Receive Newsletter by E-mail? YES NO

Student? YES NO

ARRL Member? YES NO

Please mail this form to: NCARC
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 Fort Collins, CO 80527-2956