

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

**Club Meetings are held on the 3rd Saturday of each month
At the Golden Corral, 901 E. Harmony Rd, Fort Collins, CO.**

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	Steve Henry	N7GN	(970)226-2817	n7gn@arrl.net
Vice President	Bill Beach	K0UT	(970)224-1958	k0ut@earthlink.net
Secretary	Dave Langenberg	KC9FOO	(773)612-8435	dave@thelangenbergs.com
Treasurer Membership Chair	Willis Whatley	WA5VRL	(970)407-6599	whatley@frii.com
Interference Coordinator	Mike Bates	N7DQ	(970)219-3225	n7dq@comcast.net
Newsletter	Willis Whatley	WA5VRL	(970)407-6599	whatley@frii.com
Technical Chair	Eric Slutz	N0EAS	(970)282-3752	eric@redginger.com
Hamfest Chair	Michael Robinson	N7MR	(970)225-7501	michael@frii.com

NCARC Repeaters

W0UPS: 145.115 MHz – (144.515 MHz Input) 100 Hz CTCSS Subtone (1* on, 0* off) Autopatch (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: 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

Nets

ARES District 10 Information Net	Wednesday	9:00 pm	145.115 MHz
ARES Statewide Net	Sunday	8:30 pm	145.310 MHz
Central Colorado Traffic Net	Daily	7:30 pm	145.310 MHz
Tech Net	Tuesday	7:00 pm	145.115 MHz

Web Page

<http://www.ncarc.net>

TECH NET Announcement!

This is a reminder that the 145.115 TECH NET is held Tuesday evening 07:00 PM.
It is hosted by N0W1Q, Kerry. All amateur radio operators (with 2M privileges) are welcome to check in.
It is an open forum net with Questions, Answers and Topics of interest.

If the 145.115 repeater is not available, the net will be held on the 447.275 repeater

Local Area Swaplists:

For those who can not wait or can not attend the area swapmeets, below are the websites for some of the regional swaplists found on the internet. These are updated weekly.

Aurora Repeater Assn. Swaplist: <http://www.qsl.net/n0ara/swaplist.html>

Colorado Repeater Assn. Swaplist: <http://www.w0cra.org/swap/craswaplist.htm>

Wyoming Swap Shop: <http://www.qsl.net/n0ara/wss.htm>

New Mexico Swaplist: <http://bc-ares.org/swapnet/listings.html>

Another one from the OOPS file: "This 'telephone' has too many shortcomings to be seriously considered as a means of communication. The device is inherently of no value to us." -- 1876, documented in a Western Union internal memo.

New and renewing members for October:

KC9FOO – Dave NØFZD – Jer W9LUO – Marilyn KB0WWA – Dick KB0JWR – Matt K0UT – Bill N1AOK – Charlie
KC0RBT – Jim KC0OBY – Pete KC0SIQ - Shawn

The NCARC thanks you for your support.

Thanks to NØCG, Clyde Glass for the following information:

Compare the following alternative ways to portray an amateur call: WOXYZ, W0XYZ, waOxyz, wa0xyz and WAØXYZ

Although the ciphered letter O (Ø) in the last one doesn't look *exactly* like a ciphered zero, I think it looks better than an unciphered zero or an unciphered letter O.

There are complex procedures to create a true ciphered zero (also called a European Zero) but I prefer the following simple method of creating a Ø using MS Word. I've been using this method for at least fifteen years.

Instead of typing only the number 0 or the capital letter O, hold down the Control key and the Forward Slash key (nothing changes on screen yet), release those two keys and type a capital letter O. If you are typing a list of call letters you can use the Caps Lock key, in lieu of the Shift key, to capitalize the O.

Although I have not been able to type a ciphered O directly into an Excel or MS Works spreadsheet there is a way to get the desired result. First, create a list of the calls in Word using Ø where appropriate then transfer them into the spreadsheet cells. Nor have I been able to type a ciphered Ø into the text of an email. In that case, I do what I've done here: create a Word document and send it as an Attachment to the email.

Feel free to share this information. Clyde Glass, NØCG 07 JAN 2006

Aurora Repeater Association – SWAPFEST

02/11/2007

Adams County Fairgrounds in Brighton At 9 AM

Table Cost: \$10.00 Admission: \$4.00

For more information contact: Wayne Heinen, N0POH, at 303-699-6335 or email to n0poh@arrl.net
Mail reservations to Aurora Repeater Association, P.O. Box 471802, Aurora, CO 80047-1802

NOTICE !!!

The NCARC Membership Roster is included in this newsletter (updated 31 December 2006).
Please check your information for accuracy and note your membership expiration.

NCARC Election results:

As previously announced, annual elections were held at the December NCARC meeting. There are three changes to announce:

1. George Salzmann (AB0SF) previously asked to stand down as Technical Chair person for the club and Eric Slutz (N0EAS) has been elected to fill that position.
2. Bill Beach (K0UT) has been elected to fill the Vice-president position that was vacated by Eric when he became the Technical Chair person.
3. Mike Robinson (N7MR) has asked to stand down as the HamFest Chair person and there were no nominations at the time of the December meeting to fill that position. The HamFest Chair position will be officially "open" at the conclusion of the Winter Swapmeet on January 20, 2007. Any NCARC member who is interested in filling this vacancy is asked to contact Steve Henry or Dave Langenberg. The contact info for Steve and Dave is shown on the second page of this newsletter.

The current holders of the other positions were previously nominated and elected at the December to continue in those roles.

December 15, 2006 A Day to Remember

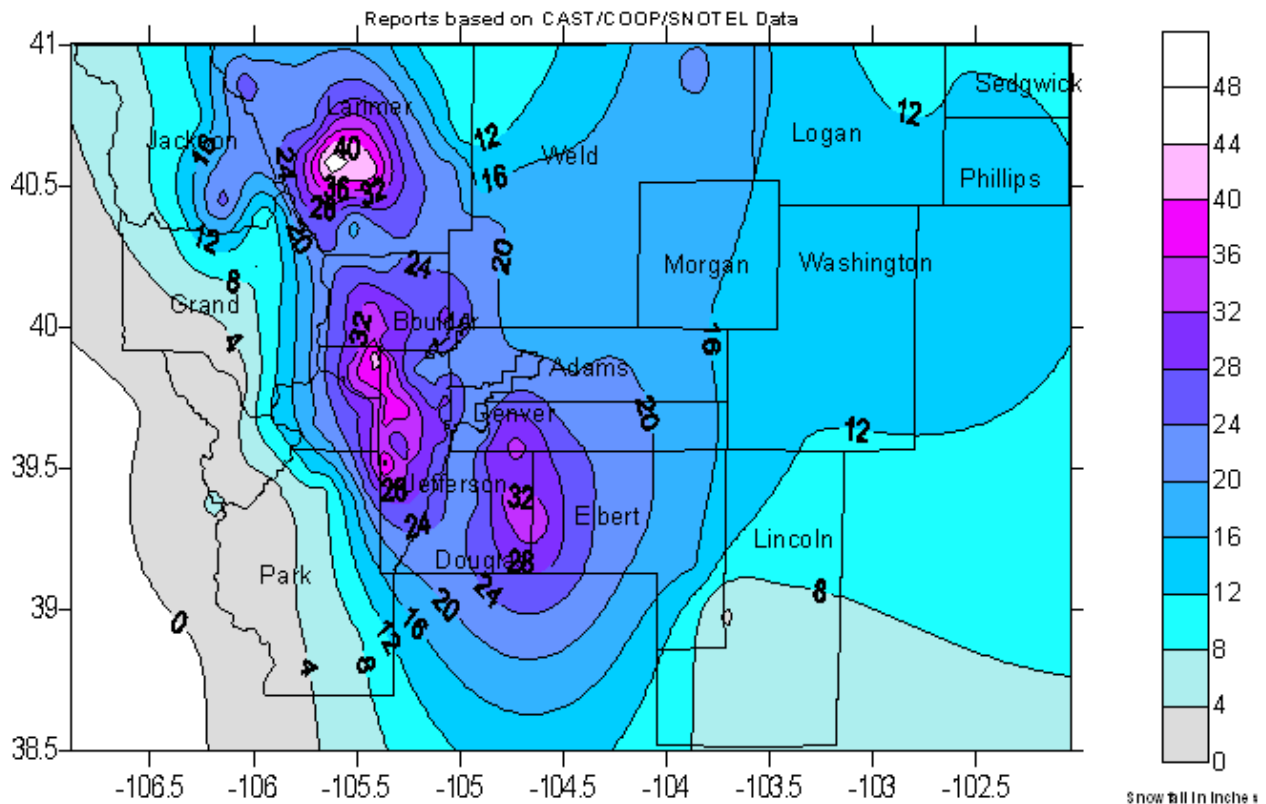
As previously reported, on this day the new Amateur Radio Service spectrum allocations became effective along with numerous other changes that were included in **R&O 06-149 (a.k.a.: the Omnibus Proceeding)**. Back when the announcement of that pending action was originally posted in the NCARC newsletter, the following comment was included: "(If you have been waiting for the elimination of the Morse Code licensing requirement, you will have to keep waiting or start studying, as it was never a part of these significant changes.)"

The waiting for the elimination of the Morse Code licensing requirement is now coming to an end. Before the close of business on December 15, in an historic move, the FCC acted to drop the Morse code requirement for all Amateur Radio license classes. On that day, the Commission adopted a Report and Order (R&O) in WT Docket 05-235. In a break from typical practice, the FCC only issued a public notice at or about the close of business and not the actual Report and Order. As with other R&Os, the change will become effective 30 days after publication in the Federal register.

Got Snow?

State Map from NWS Denver/Boulder

December 20-21, 2006 Revised Snowfall Totals



First	Last	Call	Address	City	State	Zip	Class	Expires
Glen	Akins	KC0VXL	2713 Beaver Ct.	Fort Collins	CO	80526-6257	Tech	6/1/2007
Larry	Arave	W7ALA	3121 Yellowstone Cir.	Fort Collins	CO	80525-9060	Extra	2/1/2007
Richard W.	Artz	N0LZR	612 Mansfield Dr.	Fort Collins	CO	80525-2709	Tech	2/1/2007
Jane	Aspen	N7COR	712 Birky Pl.	Fort Collins	CO	80526	General	2/1/2007
J. Gary	Atkins	W0CGR	2201 Rambouillet Dr.	Fort Collins	CO	80526	Extra	8/1/2007
Gregory	Averill	K0GSA	1749 Concord Dr.	Fort Collins	CO	80526-1601	Extra	11/1/2007
Cliff	Baker	W0ITD	2623 52nd Ave.	Greeley	CO	80634-4006	General	1/1/2012
Michael	Bates	N7DQ	624 Cornerstone Dr.	Windsor	CO	80550	Extra	6/1/2007
Bill	Beach	K0UT	1401 Meeker Dr.	Fort Collins	CO	80524-4311	Extra	1/1/2008
Ted	Black	WB0TSX	13077 O Rd.	Osceola	NB	68651-4444	Extra	5/1/2008
James	Blazier	W0JIM	2219 Creekwood Dr.	Fort Collins	CO	80525-2061	Advanced	4/1/2007
M. Lewis	Bollman	KB0ZKI	3813 Richmond Dr.	Fort Collins	CO	80526-3005	Tech	11/1/2007
Mike	Brown	W8CNY	1243 W. 45th St.	Loveland	CO	80538	General	8/1/2007
David	Cain	AC7CS	13940 W. Meeker Blvd. Ste. 115-122	Sun City West	AZ	85375-4495	Extra	9/1/2007
Bill	Carver	W0AVH	811 12th St. Apt. 8	Greeley	CO	80631	General	1/1/2007
Aaron	Cathcart	N0WAR	3040 Carriage Dr.	Estes Park	CO	80517	General	1/1/2007
Ted	Cline	N0RQV	P.O. Box 7885	Loveland	CO	80537-0885	Extra	1/1/2007
Rob	Cohen	KG0KF	P.O. Box 4560	Estes Park	CO	80517-4560	Extra	11/1/2006
David	Coombs	K0EUS	2120 Timbercreek Dr. G3	Fort Collins	CO	80528	Extra	9/1/2007
Eric	Cotton	N0WHR	General Mail	Niwot	CO	80544	Tech	12/1/2006
John	Crawford	KB0VZI	3111 Thundering Herd Way	Wellington	CO	80549	General	1/1/2007
Minor	Cross	K7YJ	6807 Deerhurst Ct.	Fort Collins	CO	80525-6920	Extra	1/1/2007
John R.	Dahlgren	N0JQP	P.O. Box 489 / 107 2nd St.	Ault	CO	80610-0489	General	3/1/2012
John	Daly	W0JFD	689 Little Prospect Rd.	Estes Park	CO	80517-7911	Extra	4/1/2007
John	Dubler	W0DDX	5428 Gulfstar Dr.	Fort Collins	CO	80528	Extra	10/1/2007
Dennis	Dyer	W0XYZ	2845 5th St. SW	Loveland	CO	80537	General	10/1/2007
Jer	Eberhard	N0FZD	902 Teal Dr.	Fort Collins	CO	80521-1236	General	12/1/2007
Hal	Eckhardt	N0KNK	4921 W. 6th St.	Greeley	CO	80634	General	6/1/2007
Mark	Fulling	KB0VGD	3352 W. 19th St. Dr.	Greeley	CO	80634	Tech	4/1/2007
Marilyn	Gardner	W9LUO	1630 Madison St.	Evanston	IL	60202-2036	General	2/1/2008
Kevin	Hendrix	KC0SQK	4125 Fish Creek Rd.	Estes Park	CO	80517-8606	Tech	2/1/2007
Steven	Henry	N7GN	3124 Appaloosa Ct.	Fort Collins	CO	80526-2704	Extra	1/1/2007
Kent	Herndon	KC0FWB	400 E. Pitkin	Fort Collins	CO	80524	Tech	9/1/2007
Joe	Hink, Jr.	N0FRT	1011 Walnut St.	Windsor	CO	80550-4735	Extra	3/1/2007
Philip J.	Hoefler	WB0YTT	603 Atwood Ct.	Fort Collins	CO	80525-7088	General	1/1/2007
Gary	Holesovsky	W0LEF	4382 Sunridge Dr.	Loveland	CO	80538	General	1/1/2008
Chris	Howard	W0EP	1062 Lexington Ln.	Estes Park	CO	80517	Extra	11/1/2007
Rob	Howell	KI0IO	624 Munson Ct.	Berthoud	CO	80513-1340	Extra	7/1/2007
Rick	Huebner	W0RCY	2649 Garden Dr.	Fort Collins	CO	80526	Tech	4/1/2007
Clifford	Ireland	KC0WKB	226 Alden Dr.	Loveland	CO	80537	Tech	5/1/2007
Tracy	Ireland	KC0WKA	1429 Red Fox Cir.	Windsor	CO	80550	Tech	5/1/2007
James	Jackson	K0JKJ	2760 Coal Bank Dr.	Fort Collins	CO	80525	Extra	11/1/2006
Orlin D.	Jenkins	K0OJ	2101 5th St.	Greeley	CO	80631-1812	Extra	5/1/2007
Carl A.	Jepsen II	WD0GIJ	20121 County Rd. 42	La Salle	CO	80645-9418	Extra	8/1/2007
Erin	Jeziorski	N2VXP	P.O. Box 523	Redfeather Lakes	CO	80545	Tech	1/1/2007
Rick	Karch	KTOL	2705 Redwing Rd.	Fort Collins	CO	80526	Extra	8/1/2007
Matthew	Kassawara	KG0W	1156 Belleview Dr.	Fort Collins	CO	80526	Extra	11/1/2007
Charles	Keen	KC0IGR	2213 Silver Oaks Dr.	Fort Collins	CO	80525	Tech	1/1/2007
Douglas	Kiefer	KC0GUA	1525 Redberry Ct.	Fort Collins	CO	80525	General	1/1/2007
Rick	Kile	WA7BNG	4150 Alder Ct.	Loveland	CO	80538	Extra	1/1/2008
Phillip	Koban	KA0PEK	4709 Yellowstone Dr.	Greeley	CO	80634-9121	Tech	8/1/2007
George	Lair	WD0GNE	P.O. Box 375	Milliken	CO	80543-0375	General	12/1/2006
Gerald	Lang	WB4ZDL	8485 Cherokee Park Rd.	Livermore	CO	80536	Extra	1/1/2007

David	Langenberg	KC9FOO	3807 Dahlia Ct.	Fort Collins	CO	80526	General	1/1/2008
Edward	Lawrence	WA5SWD	1577 E. County Rd. 82	Wellington	CO	80549-2113	Advanced	4/1/2007
Terry	Leiter	KB0TKR	1907 31st Street Rd.	Greeley	CO	80631-8816	Tech	9/1/2007
Thomas	Levendusky	AC0CH	2025 Crestridge Dr.	Loveland	CO	80537	Extra	11/1/2008
Mark	Logsdon	N0DCC	2790 W. 106th Cir.	Northglenn	CO	80234-3556	Extra	11/1/2006
Edward	Lyznicki	KA0TEY	1215 Gard Pl.	Loveland	CO	80537-5234	Tech	11/1/2007
John K.	Martinez	N0HMH	1424 Springwood Dr.	Fort Collins	CO	80525	Tech	8/1/2006
Clark	Mayo	K0FCM	1445 28th Ave.	Greeley	CO	80634	Tech	6/1/2007
Kerry	Miller	N0WVQ	3351 Banyan Ave.	Loveland	CO	80538-2521	General	4/1/2007
Norman	Miller	K0KUN	11900 Rist Canyon Rd.	Bellvue	CO	80512-6402	General	1/1/2007
Alan	Miner	K0BYU	3966 Cottonwood Dr.	Loveland	CO	80538	Tech	8/1/2007
Mark	Miner	K2CSU	3966 Cottonwood Dr.	Loveland	CO	80538	Tech	8/1/2007
Roger	Mitchell	N0MCR	1209 Lakecrest Ct.	Fort Collins	CO	80526	Extra	12/1/2006
Glen	Nelson	W0MVS	1649 Lindenmeier Rd.	Fort Collins	CO	80524-2137	Advanced	4/1/2007
Raymond	Offutt	KC0YAD	7212 Tamarisk Dr.	Fort Collins	CO	80528	Tech	9/1/2007
Chuck	Paulien	KG0PF	1310 Naomi Dr.	Loveland	CO	80537	Extra	2/1/2007
Max	Petago	N0HU	1700 Laporte Ave #29	Fort Collins	CO	80521	Extra	11/1/2007
Michael	Phillips	WB7UPS	263 Camino Del Mundo Dr.	Fort Collins	CO	80524	Extra	11/1/2006
Richard	Reeve	KB0WWA	7505 Leslie Dr.	Loveland	CO	80537-9755	Extra	12/1/2007
Barry	Reider	N0WOZ	325 Cedar Ave.	Eaton	CO	80615	Tech	6/1/2007
Jerry	Reynolds	N0UI	7402 Stonington Ct.	Fort Collins	CO	80525	Extra	4/1/2007
Randolph	Rivera	KC0VXK	1412 Centennial Rd.	Fort Collins	CO	80525	Tech	7/1/2007
Michael	Robinson	N7MR	2236 Silver Trails Dr.	Fort Collins	CO	80526-6414	Extra	2/1/2008
David	Russell	KA1BXM	4217 Wellington Dr.	Fort Collins	CO	80526	Advanced	1/1/2007
George	Salzmann	AB0SF	1128 W. La Porte Ave.	Fort Collins	CO	80521	Extra	12/1/2006
Arthur L.	Sampson	N0NXC	5609 N. St. Louis Ave.	Loveland	CO	80538	Tech	4/1/2007
Robert	Scheib	WA0EYJ	3104 Valley Oak Dr.	Loveland	CO	80538	Extra	1/1/2007
Bob W	Schmid	WA9FBO	P.O. Box 1546	LaPorte	CO	80535-1546	Extra	6/1/2007
John	Schmidt	NK0R	1001 King Dr.	Loveland	CO	80537-8914	Extra	7/1/2008
Eric	Schnetzler	KC0VDL	1119 E. County Rd. 82	Wellington	CO	80549	Tech	10/1/2006
Terry	Shetler	K0TAS	2004 Stove Prairie Rd.	Bellvue	CO	80512-6812	Extra	5/1/2007
James C.	Shipley	KF0ZN	2073 Bennington Cir.	Fort Collins	CO	80526-1556	Advanced	10/1/2007
Alan	Silverstein	N0MFW	4012 Sunstone Dr.	Fort Collins	CO	80525-5619	General	1/1/2007
Robert	Slate	N0TQN	726 Sherry Dr.	Fort Collins	CO	80524	Tech	5/1/2007
Eric	Slutz	N0EAS	1543 Preston Trail	Fort Collins	CO	80525	Extra	4/1/2007
Walt	Smith	N0WVG	1527 Alcott St.	Fort Collins	CO	80525	Tech	2/1/2007
Wayne	Smith	KC0WZV	993 Alexandria Dr.	Loveland	CO	80538	Tech	8/1/2007
Lamar	Speier	K4HQR	224 N. Monroe	Loveland	CO	80537	Advanced	11/1/2007
John	Steininger	WB9DUN	820 Gilgalad Way	Fort Collins	CO	80526	General	7/1/2007
Elmer	Sterkel	K0UYE	3450 White Ash Ct.	Loveland	CO	80538	Extra	8/1/2007
Gordon	Stockdale	KC0WZT	5300 Highcastle Ct.	Fort Collins	CO	80525	Tech	10/1/2007
Jeff	Stolzenburg	N0XGN	3395 Woodlands Way	Wellington	CO	80549	General	7/1/2007
Rob	Strieby	W0FT	4551 S. County Rd. 23	Loveland	CO	80537	Extra	2/1/2007
Dwight	Stull	W0DWI	4139 Alder Ct.	Loveland	CO	80538	General	1/1/2008
Steve	Stuntz	N0BF	P.O. Box 1462	Loveland	CO	80539	Extra	1/1/2007
Shawn	Summa	KC0SIQ	2771 Harvest Park Ln.	Fort Collins	CO	80528	Tech	1/1/2008
Matthew	Sybrant	KB0JWR	874 S. Buckeye Dr.	Loveland	CO	80537	Extra	1/1/2008
Kevin	Thompson	KC0RBX	P.O. Box 1210	LaPorte	CO	80535	General	9/1/2007
Peter W.	Van Putten	KC0OBY	4816 County Rd. 52E P.O. Box 192	Bellevue	CO	80512-0192	Tech	1/1/2008
Jim	Walker	N0XDA	2717 Mountain View Ave.	Longmont	CO	80503-2310	Extra	1/1/2007
Shawn K.	Walker	AC0BI	6351 N. County Rd. 1	Fort Collins	CO	80524	Tech	12/1/2006
Willis	Whatley	WA5VRL	2920 Bassick St.	Fort Collins	CO	80526-3738	Advanced	1/1/2008
Charlie	Wilber	N1AOK	900 Edwards St.	Fort Collins	CO	80524	General	1/1/2008
Jim	Wilson	KC0RBT	5205 Bighorn Crossing	Fort Collins	CO	80526	Tech	1/1/2008
L. David	Worley	W7KY	1506 Barratt St.	Laramie	WY	82070	Extra	11/1/2006
Butch	Wright	K0CSU	2832 W. Lake St.	Fort Collins	CO	80521-4045	Tech	3/1/2007

Northern Colorado Amateur Radio Club (NCARC) Presents

WINTER HAMFEST 2007

Admission \$5 (children under 12 free)
6 ft Tables \$5 ea. (includes 1 admission)

Saturday, January 20, 2007
Open to public 8:00 am to 1:00 pm!

Talk in: 145.115 (-offset 100 Hz CTCSS)
146.520 Simplex

Vendors Setup beginning at 6:00 am
The Lincoln Center – Canyon West Room
417 W. Magnolia, Ft. Collins, Co.

<http://www.ncarc.net>

On-site ARRL VEC EXAMS 9:00 am Prompt !

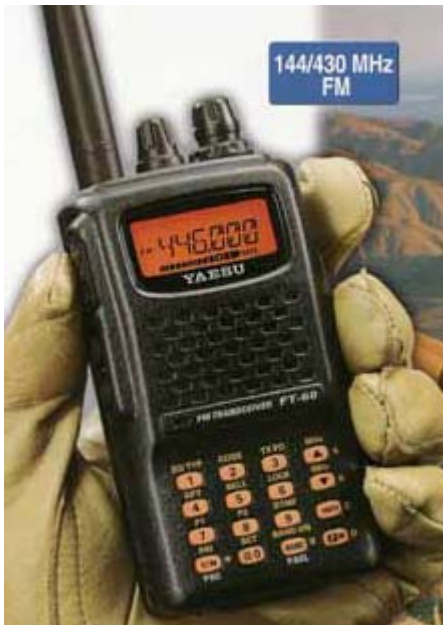
Coffee, donuts and catered lunch !



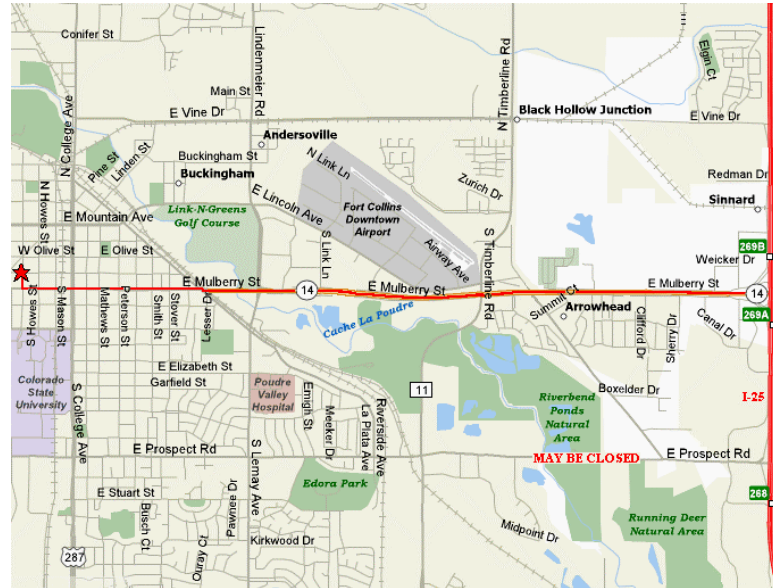
1st Prize: Yaesu FT-8800



2nd Prize: Yaesu FT-7800



3rd Prize: Yaesu FT-60
Dual Band HT



From I-25, take the CO Hwy 14 Exit (exit 269) west into Fort Collins. After crossing Riverside Avenue, CO Hwy 14 becomes Mulberry Street. Continue west on Mulberry Street three blocks past College Avenue. Turn right onto Meldrum Street. The Lincoln Center is on the west side of Meldrum between Mulberry and Magnolia. The formal address is 417 West Magnolia Street.

GPS: 40.34.94N 105.04.99W

Hourly door prizes...donated by HRO, Denver

See you there !
73, NCARC

For Advance Table Reservations contact:
--- Willis Whatley, WA5VRL
(970) 407-6599

DRAWING at NOON
You must be present to win !

Fun ! Friends ! Food !

Make checks payable to NCARC
P.O. Box 272956 Fort Collins, CO 80527-2956



**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.

Receive Newsletter by E-mail? YES NO

 Student? YES NO

 ARRL Member? YES NO

If you would like to receive the newsletter by E-mail, please indicate so here.

←

Please mail this form to:

NCARC
 P.O. Box 272956
 Fort Collins, CO 80527-2956