

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	Eric Slutz	N0EAS	(970)282-3752	eric@redginger.com
Secretary	Dave Langenberg	KC9FOO		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	George Salzmann	AB0SF	(303)961-0841	ab0sf@yahoo.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, 7230 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) (Various locations around N. Colorado)
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.us>

TECH NET Announcement!

This is a reminder that the 145.115 TECH NET is held Tuesday evening 07:00 PM. It is hosted by N0WIQ, 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

CW Practice Session!

This is a reminder that the 145.115 CW Practice Session is held Friday evening 06:00 PM. It is hosted by WOEP, Chris. All amateur radio operators (with 2M privileges) are welcome to check in or listen.

Some Upcoming Swapmeets**Pikes Peak Radio Amateur Association Inc. MEGAFEST**

07/08/2006

Lewis-Palmer High School, 1300 Higby Rd. Monument Doors Open at 8 AM

Table Cost: \$10.00 Admission: \$5.00

For more info: <http://www.qsl.net/ppraa/>**Denver Radio Club Hamfest**

08/20/2006

Jefferson County Fairgrounds in Golden 8:30 AM - 2 PM

Table Cost: \$10.00 Admission: \$5.00

Note Table price DOES NOT include admission

For more info: <http://www.qsl.net/w0tx>**Mountain Amateur Radio Club MARC Campfest**

08/25/2006

8649 Main Street (Not Hwy 24) Lake George, Colorado

For more info: <http://www.qsl.net/nx0g> or contact Paul Moraine at 719-638-0273**BARC Fest** is expected to be in September, 2006 at Boulder County Fairgrounds in Longmont, CO.

Details will be posted beginning in May and June Newsletters...

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>

Been wondering who operates that cell site tower in your neighborhood? Try connecting to <http://www.cellreception.com>
Be aware that this website is only updated periodically.

New and renewing members for March:

W0RCY – Rick NOEAS – Eric NONXC – Arthur KF0ZN – Jim AC0DZ - John **The NCARC thanks you for your support.**

Charitable Contribution Received by NCARC

Thanks are hereby given to **James K. Blazier, W0JIM, and the Anheuser-Busch Company** for a charitable contribution of \$240.00 to the NCARC. This contribution was made in conjunction with the company's matching grant program for employees (AB-PAC). A formal letter of thanks has been sent to Jim at his company's address.

The upcoming **EOSS-102** balloon launch will offer an excellent opportunity for Northern Colorado amateurs to observe the launch process. There will also be another chance on 22 April if the schedule shown below remains unchanged. Go to <http://www.eoss.org> for further info. From the Windsor exit on I-25, proceed East on Hwy 392 approximately 1.3 miles to County Road 3. Take County Road 3 south a few hundred yards. The launch site is on the east side of the road. Numerous vehicles with antennae will undoubtedly mark the spot.

LAUNCH DATE: 8-Apr-2006 LAUNCH TIME: 8:00 am (14:00 UTC) LAUNCH SITE: Windsor, CO

EOSS Frequencies: Frequency assignments tentative. Check back the night prior to flight for final determinations.

Global Frequencies

[Preflight Net:](#)

147.225 MHz 107.2 Hz tone

8:00 PM Night before flight

[Tracking and Recovery Operations](#)

449.450 MHz [RMRL](#) Repeater (103.5 Hz Tone)

146.550 MHz simplex (for both field ops and the launch site)

[Repeater Coverage Pages](#) - Listings of all repeaters available in the expected flight areas.

7.228 MHz + QRM HF (sporadic usage)

Balloon Frequencies

Beacon

147.555 MHz

ID: [AEØSS in CW](#)

Tracking Tone then CW ID

APRS

144.340 MHz (Payload Train)

ID: [AEØSS-11](#)

DIGI: EOSS

Node: BALNOD

APRS Time Slotted to 0:00 every minute

Telemetry Every 2 minutes at 0:00

[Sample Data](#)

ATV

426.250 MHz

ID: AEØSS

Future Flight Schedule - as of February 21, 2006

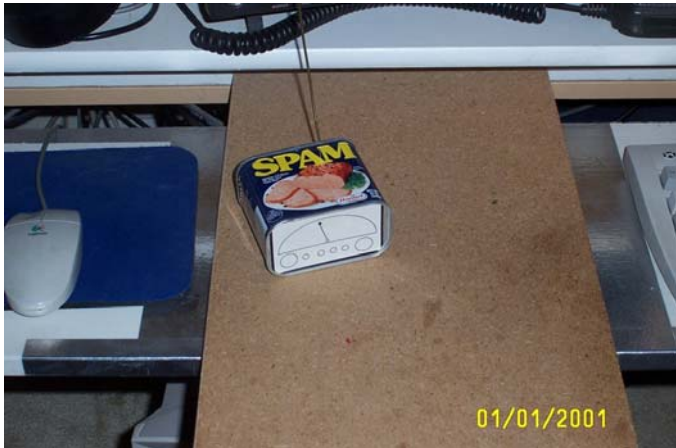
All dates and launch locations should be considered tentative. Most flights have a WX delay date of the day after scheduled flight.

Flight ID	Date	Comments	Launch Site
EOSS-102	8-Apr-2006	NOAA AirCore	Windsor
EOSS-103	22-Apr-2006	CU 2 3000g heavies, Gateway and DemoSat	Windsor *
EOSS-104			
EOSS-105	17-Jun-2006	CU 2 3000g heavies, SHOT II Workshop (AFRL)	Deer Trail *
EOSS-106			
EOSS-107	15-Jul-2006	CU 2 3000g heavies, Upward Bound & Space Grant	Deer Trail *
EOSS-108		Workshop	
EOSS-109	29-Jul-2006	CU 2 3000g heavies, DemoSats	Deer Trail *
EOSS-110			
EOSS-111	05-Aug-2006	GPSL	Hutchinson, KS
EOSS-112	Sep - 2006	U of KY Big Blue 4 (tentative)	??
EOSS-113	21-Oct-2006	JOTA	Pleasant Valley
EOSS-114	11-Nov-2006	CU 1 3000g heavy, Gateway	Windsor *

* = Last year's launch location. Most probably site but may change



This is the K0UT Hamshack in Fort Collins



Above images provided by Bill Beach – K0UT



Can you find the hamshack in this picture?



From this angle it's more visible...



This is the N0WAR Hamshack in Estes Park

NCARC Swaplist

- **For Sale** – One Pair of 20 Meter Ham Sticks for making portable Dipole - \$40.
One pair of 10 Meter Ham Sticks for making portable Dipole - \$40.
Max Petago – N0HU
Phone: 970-407-1417
E-mail: n0humax@aol.com
- **For Sale** – Two Low voltage transformers; 115v primary, 15-0-15 at 0.4A and 0-24v at 0.6A secondaries - \$5/pair.
One Variometer; 40 – 125 uH built with Litz wire, 4.5 x 6.0 x 6.0 inch size - \$5.
Six DC Fanmotors with built-in tach sensor and metal grille; 4.75 x 4.74 x 1.0 inch size
0.16A at 12Vdc, 0.34A at 24Vdc - \$5/pair or \$10/all six.
Two AC Fanmotors with screen type grilles; 4.75 x 4.75 x 2.0 inch size, 0.13A at 220Vac - \$5/pair.

Willis Whatley – WA5VRL
Phone: 970-407-6599
E-mail: whatley@frii.com

This list is open for use by all NCARC members. Listings are one-time posted at no charge.

Cutoff date is the first of each month. For additions, corrections or deletions to the list, contact Willis, whatley@frii.com or send listing to NCARC, P.O. Box 272956 Fort Collins, CO 80527-2956.

Please include your name, call sign and home or work telephone number, email address, home address or other contact info (and of course your listing). All Items must be Amateur or Amateur related. Please include prices for all items listed.

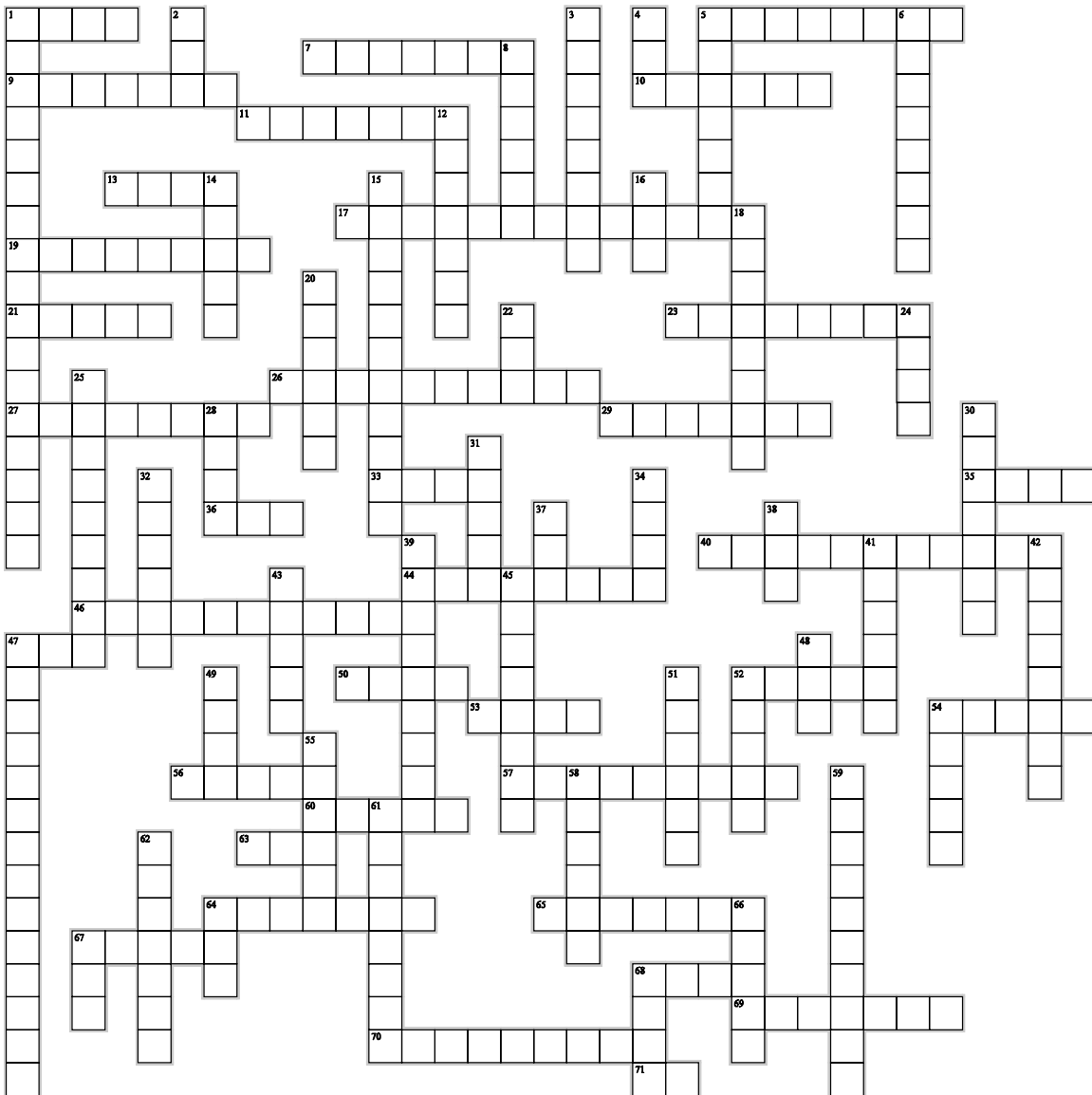
Hamcon 2006 -- ARRL Rocky Mountain Division Convention
June 9-11, 2006 Estes Park, Colorado www.hamconcolorado.org

Have fun, learn cool stuff about the convention and other things, and maybe win a prize!!!

Visit www.hamconcolorado.org for the clues, do your best, then turn in your completed crossword puzzle to the registration desk at the convention no later than Saturday, June 10, 2006 at Noon. All turned-in crossword puzzles will be eligible for a **special prize drawing** beginning on Sunday, June 11 at Noon. Winner must be present to win! Email Steve Williams, k0srw@arrl.net with any questions.

Name: _____ Call sign (if any): _____

Phone number: _____ Email address: _____



Across

1. First name of the ARRL Colorado Section Manager
5. Lots of technical and operating _____ will be conducted
7. Besides Colorado, another state in the ARRL Rocky Mountain Division
9. Fred MacMurray TV show, also our T-shirt and coffee mug vendor's company name (leave out the spaces)
10. Drawings for these will be held at every technical session and forum
11. National _____ System
13. What is The Sign Man of Baton Rouge's first name?
17. Last name of FCC Special Counsel and Convention Banquet speaker
19. In what city does the Denver Radio Club meet?
21. Call sign of the man in charge of the convention talk-in station
23. The Loveland Repeater Association meets monthly in this town
26. N5ZGT's last name
27. If you sign up for it, who can attend the Sunday Morning breakfast at the convention?
29. One of the major radio manufacturers to attend the convention
33. Call sign of the convention chairman
35. The major prize drawings are at _____ on Sunday!
36. If you register by March 1st, you can attend the convention for only _____ dollars!
40. If you operate W1AW/0 at the convention, you'll receive a beautiful Operator's _____
44. A technology that allows licensed Amateur Radio stations to communicate with one another over the Internet, using voice-over-IP (VoIP) technology
46. AMSAT is the Amateur Radio Satellite _____
47. John, N5EHP will be attending with which company?
50. Besides Colorado, another state in the ARRL Rocky Mountain Division
52. Last name of ARRL co-founder with Hiram Percy Maxim
53. W1AW normally resides in this grid square
54. DTRS stands for Digital _____ Radio Service
56. Where Clarence Tuska's granddaughter is a physics professor
57. Dick _____ is professionally producing our convention program book
60. NCG Company is the maker of _____ antennas
63. Large animals that can often be seen wandering around in and near Estes Park
64. A hot car, or the town where Clear Signal Products, Inc. is located
65. Looking for a small animal or a hidden transmitter
67. Rob Roller, N7LV represents this organization on the Hamcon committee
68. ARRL COO's Call sign
69. Estes Park, our 2006 convention site, is located in this Colorado county
70. What position does Ann Trudeau hold with the Colorado YLs?
71. Long distance

Down

1. What company does KB6WHT own? (leave out the spaces)
2. The Estes Park Holiday _____ is the site of Hamcon 2006
3. Hamcity.com's slogan is "_____ communications warehouse"
4. Low power
5. A new, very unconventional, amateur radio satellite
6. Rocky Mountain _____ Park is just outside Estes Park
8. The only casino to donate a prize to Hamcon 2006
12. What company manufactured the 75S-3 receiver?
14. HamTestOnline's slogan is "The Software that _____ you."
15. Rocky Mountain National Park straddles this divide
16. First name of ARRL Technical Coordinator for the Colorado Section
18. Last name of the ARRL's 14th president
20. You can register for the convention by mail or _____
22. Can individuals donate new prizes or money to the convention?
24. W1AW/0 will operate from this grid square, June 9-11, 2006
25. Besides Colorado, another state in the ARRL Rocky Mountain Division (leave out the space)
28. Call sign of the Pikes Peak Amateur Radio Association president
30. Country from which the longest distance convention prize was donated
31. Early-bird registration is just \$10 if received before _____ (month) 1st
32. Alpha Radio Products is a sponsor of the 2006 DXpedition to _____ (no spaces) Island
34. _____ is the Call sign of the Boulder Amateur Radio Club
37. Internet technology that often causes significant interference on the amateur bands
38. Atmospheric noise
39. What company makes the T8 antenna?
41. The day you should arrive at Hamcon 2006 to avoid missing spectacular speakers and excellent fun and fellowship
42. Volunteer _____ Session for license tests
43. Last name of the ARRL's 1st president
45. Musically, Heil Sound's Bob Heil K9EID is an accomplished _____
47. Where on the internet can you find out all the latest convention details? www._____.org
48. Harold Kramer is the publisher of _____ Magazine
49. Amateur Radio Emergency Service
51. Estes Park is a great place for a _____ vacation
52. Number of speakers on Friday night
54. Tucson Amateur Packet Radio is headquartered in this state
55. One method of transmitting and receiving voice, video or other information which can be expressed in digital form, using radio frequency communications equipment
58. What word is represented by the "X" in this URL?
www.hamconcolorado.org/2006_X_registration.pdf
59. What hotel is offering us VERY special convention rates?
61. What time is the Wouff Hong ceremony on Saturday?
62. ARES District 6 in Colorado includes Park, _____ and Lake Counties
64. The last date to reserve special room rates at the Holiday in is _____ (month) 19, 2006
66. Your club can have an exhibit _____ at the convention
67. Early-bird registrants get one of these FREE
68. First name of the author of "Ham Radio for Dummies"