The Repeater Rag
Volume 29 Number 1

NEWSLETTER OF
THE DENVER RADIO LEAGUE
A CLUB DEVOTED TO
QUALITY AMATEUR RADIO

Published in the Denver South Suburban area, Colorado

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REPEATER LOCATIONS:
146.88Ø.............. Lockheed Martin Company
146.64Ø..................Centennial Mountain
449.60Ø............... Lockheed Martin Company
145.05Ø......Digi - Lockheed Martin Company

Repeater Identifier: WAØKBT

DRL website: www.denverradioleague.org
or www.eoss.org/drl

The Denver Radio League is open to all licensed amateur radio operators. Repeater usage is limited to properly licensed hams.

Membership dues and renewals
~ Please make checks ($15) payable to Denver Radio League or DRL ~
Remit to: Al Cooley, NØAUS
6199 South Broadway
Littleton, Colorado 80121-8016
For information, contact Al at:
303-794-6511 or on the 146.88Ø Repeater

DRL Membership Meeting
Wednesday ~ February 15, 2006
7:00 to 9:00 p.m.
Bemis Public Library

Please note:
We Must Be Out Before or By 9:00 P.M.

As always, take the time to remember those you love …
This day is especially for you and them!

Valentine’s Day ~
February 14, 2006

In this edition:
★ DRL Website Location and how to get there
★ How To Use the 449.600 DRL IRLP Node
★ Bummer, Dood! … always a surprise that gets ya!
★ HamCon 2006 Highlights
★ A Bit of Work …
★ HamCon 2006 Crossword Puzzle
★ A Chris Krengel bit of humor …
★ Note: Longmont Amateur Radio Club LARCFest is Saturday, April 1st, 2006. Visit our website:
www.larclub.org or
e-mail mail@larclub.org for details
I hope everyone is enjoying the use of the IRLP node on the 449.600 DRL repeater! I have heard Benjie, WØCBH, calling from wherever he is (Florida?) and keeping up with the haps here in Colorado, plus the balloon flight from Arizona! What fun! Many thanks go to Billy, WØUNX!

Here are the instructions on how to use the node, reprinted from the post card everyone received previously:

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**How To Use the 449.600 DRL IRLP Node**

The access code is Ø36…this code enables and disables the link

To find the various nodes throughout the world, go to the internet address: http://status.irlp.net/statuspage.html There you will find a listing of all the nodes available throughout the world.

For example, from that page we will select 5147, GB3YR, in Maltby, England. To access that node, enter Ø365147 on the touchpad of your radio…wait approximately 3 seconds for the remote station to connect (this lag time is for the repeater to activate and enter the IRLP mode). You will then hear the remote station ID, after which you make your call.

When you finish with your call and conversation, simply enter Ø36 to end the session.

To summarize,

Key Ø365147, wait 3 seconds for the remote station’s welcome, make your call, complete your conversation, sign off and key Ø36 to close the link.

Remember to use good identification practices per the FCC. Again per the FCC, the repeater will ID every 10 minutes during your conversation, at which time you will not hear audio from the internet, when the ID is complete the audio will again be enabled.

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73!

Tim, WBØTUB

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Both www.denverradioleague.org and www.eoss.org/drl are now part of the newsletter masthead so you can find the addresses there as well. Ye Ed.
Bummer, Dood!

Last week (Feb. 1st or so) the 449.600 repeater disappeared from ear shot! It was just el-gone-o...nothing was heard and it was thought, perhaps, that the main fuse had blown.

After some discussion, it was decided that a quick trip to the hill ahead of the incoming storm would afford the best bet of getting up there and resolving the problem, so Tim, WBØTUB, and Chris, KBØYRZ, got together and 'headed for the hill'.

There was more snow on the road than we expected, but others had gone to the site earlier than us and knocked down the snow, which made our trip much more comfortable!

We found the repeater to be working, but still couldn’t hear it from anywhere other than with a good beam (Dave, WØDRM, could hear it weakly from his place, with his beam), and then just barely. Chris and I checked and checked and found nothing out of the ordinary, so we decided that the only recourse was to bring the entire repeater down to town for further troubleshooting. In the process of disassembly, we noticed that a fuse that was in the amplifier line looked like it had gotten quite hot (see the picture)…we then stopped taking things apart (we were one screw away from total removal), grabbed a meter and made a continuity test of the fuse…it was open!

What the heck! How was the repeater running with a blown fuse??

We replaced the fuse, put the repeater back together and lo! Everything came on line and worked fine! In retrospect, we figured out that the power supply has separate fuses and a feed for the smaller items, i.e., the controller, the exciter, etc., and one big separate fuse for the power supply! WHEW!

The amplifier draws in the area of 12 to 13 amps when running, and if a ten amp fuse is used, it will act as a high resistance, get hot and melt, not blow! It’ll look strange to those that are trouble shooting. While checking out the picture, note that as well as looking burnt, the fuse is crooked and the end caps are not straight, like the ends are offset...another sign things are amiss!

Another job well done and another lesson learned...keep in mind that even though things look good, there is another feed for the amp and the rest of the repeater!

73, Tim, WBØTUB

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2006 ARRL ROCKY MOUNTAIN DIVISION CONVENTION

“AMATEUR RADIO – FACING THE FUTURE”

June 9, 10 and 11, 2006

LOCATED IN THE BEAUTIFUL ROCKY MOUNTAINS AT Estes Park, Colorado

Many high profile personalities will attend this convention, including the following:

~ FRIDAY NIGHT KEYNOTE ADDRESS
  ~ 7 TO 8 P.M. ~
  BRIAN MILESHOSKY, N5ZGT
  VICE DIRECTOR, ROCKY MOUNTAIN DIVISION, ARRL

~ FRIDAY NIGHT SPECIAL EVENTS:
  ★ War Stories with Riley Hollingsworth, K4ZDH
  ~ 5 to 6 p.m.
  ★ ARRL Co-founder Clarence Tuska Memories:
    Doctor Evelyn Patterson ~ 8 to 9 p.m.

~ SATURDAY LADIES LUNCHEON GUEST SPEAKER ~
  ANN TRUDEAU, KAØZFI
  TREASURER, COLORADO YLS

~ SATURDAY NIGHT BANQUET GUEST SPEAKER ~
  RILEY HOLLINGSWORTH, K4ZDH
  FCC SPECIAL COUNSEL FOR ENFORCEMENT

~ SUNDAY MORNING
  ARRL BADGE BREAKFAST GUEST SPEAKER ~
  HAROLD KRAMER, WJ1B
  ARRL CHIEF OPERATING OFFICER, & QST PUBLISHER

The "ARRL Badge" breakfast is a breakfast to recognize ARRL volunteers - anyone entitled to wear an "ARRL Badge". I will be talking about ARRL volunteer positions and recognizing volunteers. I expect our speaker will express his gratitude to the volunteers as well.

Everyone is welcome to attend. In fact, I would encourage non appointees to attend in an effort have the word spread about the volunteer opportunities, and to see the camaraderie that exists within the ‘ARRL Family’.

73,

Jeff Ryan, KØRM

Visit our web site at: www.hamconcolorado.org for additional information!

Get involved! Register today to get in on the Early Bird special and reduced rates! This is going to be another spectacular event that everyone should attend. Ye Ed.
A BIT OF WORK ON THE .64 REPEATER SITE

Check out these pictures … it’s Daniel, ABØZY, the DRL climber, George, WAØKBT, and Mike, W5VSI, looking up at him … enjoy! Tim, WBØTUB
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 crossword puzzles submitted 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.

(From the Denver Radio League Repeater Rag)

Name (please print clearly): ____________________________ Call sign (if any): ____________________________
Phone number (include area code): ____________________________ Email address: ____________________________
HamCon Crossword Puzzle Clues

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. What company does KB6WHT own? (leave out the spaces)
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
44. A new, very unconventional, amateur radio satellite
45. Musically, Heil Sound's Bob Heil K9EID is an accomplished ______
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
54. Tucson Amateur Packet Radio is headquartered in this state
57. Dick ______ is professionally producing our convention program book
58. Where Clarence Tuska's granddaughter is a physics professor
59. What word is represented by the "X" in this URL?
60. NCG Company is the maker of ______ antennas
61. Large animals that can often be seen wandering around in and near Estes Park
62. A hot car, or the town where Clear Signal Products, Inc. is located
63. Looking for a small animal or a hidden transmitter
64. Alpha Radio Products is a sponsor of the 2006 DXpedition to ______ (no spaces) Island
65. Where Clarence Tuska's granddaughter is a physics professor
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”
69. What company made the T8 antenna?
70. Large animals that can often be seen wandering around in and near Estes Park
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. ARES District 6 in Colorado includes Park, _____ and Lake Counties
5. ARES District 6 in Colorado includes Park, _____ and Lake Counties
6. Rocky Mountain _____ Park is just outside Estes Park
7. The only casino to donate a prize to Hamcon 2006
8. The only casino to donate a prize to Hamcon 2006
9. Fred MacMurray TV show, also our T-shirt and coffee mug vendor's company name (leave out the spaces)
10. The major prize drawings are at ____ on Sunday!
11. What time is the Wouff Hong ceremony on Saturday?
12. What company manufactured the 75S-3 receiver?
13. What is The Sign Man of Baton Rouge's first name?
14. HamTestOnline’s slogan is “The Software that _____ you.”
15. Rocky Mountain National Park straddles this divide
16. First name of the ARRL Technical Coordinator for the Colorado Section
17. Last name of the ARRL's 14th president
18. Last name of the ARRL’s 14th president
19. What position does Ann Trudeau hold with the Colorado County Council?
20. You can register for the convention by mail or ______
21. Can individuals donate new prizes or money to the convention?
22. If you sign up for it, who can attend the Sunday Morning breakfast at the convention?
23. The Loveland Repeater Association meets monthly in this town
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)
26. N5ZGT's last name
27. If you sign up for it, who can attend the Sunday Morning breakfast at the convention?
28. The only casino to donate a prize to Hamcon 2006
29. One of the major radio manufacturers to attend the convention
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 ______ Island
33. ____ Radio Service
34. W1AW normally resides in this grid square
35. DTRS stands for Digital Radio Service
36. If you register by March 1st, you can attend the convention for only ______ dollars!
37. Estes Park, our 2006 convention site, is located in this Colorado county
38. Atmospheric noise
39. What company manufactures the T8 antenna?
40. What company does KB6WHT own? (leave out the spaces)
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
44. A new, very unconventional, amateur radio satellite
45. Musically, Heil Sound's Bob Heil K9EID is an accomplished ______
46. AMSAT is the Amateur Radio Satellite
47. John, N5EHP will be attending with which company?
48. Harold Kramer is the publisher of _____ Magazine
49. Amateur Radio Emergency Service
50. Besides Colorado, another state in the ARRL Rocky Mountain Division
51. Estes Park is a great place for a _____ vacation
52. Number of speakers on Friday night
53. N1A0W normally resides in this grid square
54. Tucson Amateur Packet Radio is headquartered in this state
55. One method of transmitting and receiving voice, video or data, which can be expressed in digital form, using radio frequency communications equipment
56. Where Clarence Tuska's granddaughter is a physics professor
57. Dick ______ is professionally producing our convention program book
58. Where Clarence Tuska's granddaughter is a physics professor
59. What hotel is offering us VERY special convention rates?
60. NCG Company is the maker of ______ antennas
61. Large animals that can often be seen wandering around in and near Estes Park
62. A hot car, or the town where Clear Signal Products, Inc. is located
63. Looking for a small animal or a hidden transmitter
64. Rob Roller, N7LV represents this organization on the Hamcon committee
65. What company does KB6WHT own? (leave out the spaces)
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”
69. What company makes the T8 antenna?
70. Large animals that can often be seen wandering around in and near Estes Park
71. Long distance