



ROUNDTABLE

The Denver Radio Club Newsletter

Since 1917

May 2015

PRESIDENT'S MESSAGE

By Gerry Villhauer – W0GV



* Hello DRC Members,

* I hope every member is enjoying our early springtime weather and looking forward to summer and lots of ham radio projects. We have several club projects we would like to get started with this month. The first project will be at our Centennial Cone site. We have routine antenna maintenance to do and clean some of the "junk" off the tower which was abandoned by previous commercial operators. So you ask; why do we care? Lose hardware, clamps, and bolts, etc. cause noise on our receivers when the wind blows and degrades the performance. And the wind does blow up there! Near 100 MPH wind is not uncommon.

* We also have a complete new UHF and VHF repeater system to install. WE NEED HELP mainly on the ground or climbers if you are so inclined or would like to learn how to do it SAFELY. I am compiling a list of interested members. Please email me and I will put you on the list and notify you when we pick a date for the work party. Our new Yaesu Fusion UHF repeater has been installed and is operating. It is at our Lakewood site on an output of 449.775 MHz and input of 444.775 MHz. A 100.0 Hz. tone from your transmitter is required for access in the analog mode. The Fusion repeater is both analog and digital depending on what it hears. The digital mode is Yaesu's version of C4FM. If you have a newer Yaesu radio you may already have this mode. I suggest reading the Yaesu website and articles in QST for details about this new mode. I also suggest you program your radio for the 100.0 Hz tone on your receiver. If you don't you will hear a raspy squelch sounding noise when the repeater is transmitting in digital mode and you are listening in analog. I know this is a little confusing, please ask questions. Our Wednesday evening Learning Net is an excellent place for these type questions.

* Thanks to Robert, K0RCW, for his great presentation on the Raspberry Pi mini-computer at our April meeting. It is amazing how much interest this little low cost computer has generated in the ham world. You can always tell the interests from the group by the questions ask; and there were many questions asked from the audience.

* Robert is going to make a repeat performance at our May 20th meeting on an entirely different subject. Robert will be giving a presentation on his easily transportable "ready-to-go box". The box is configured with radios, powers supplies, speakers, microphones, paper, manuals and even a laptop computer. This is the perfect approach for operating Field Day, an emergency exercise or an actual emergency situation. This promises to be very interesting and informative plus Robert will have two boxes on display. Mark your calendars now for May 20th.

* Welcome to our new DRC members! Thank you for making the DRC "YOUR CLUB". You will find your name and call sign in the body of this issue. Please come participate in meetings and other on and off the air activities.

* 73 for now,
Gerry, (W0GV)
President



INSIDE THIS ISSUE:

APRIL MEETING, WHAT'D I MISS?	2
WHO'S NEW IN THE DRC?	3
TECH COMMITTEE REPORT	3
LAKEWOOD SIREN TEST	3
MAY MEETING PRESENTATION	4
LEARNING NET	4
RoundTable RoundWorld	5
CUTTING IGNITION NOISE	5
73 MAGAZINE ONLINE	6
WHEAT RIDGE SIREN TEST	7
SOLAR UPDATE	8
CROSSWORD PUZZLE	9
FACT OF THE DAY	10
PROPAGATION CONDITIONS	10
UPCOMING EVENTS	11
CALENDAR	11
BOARD & STAFF	12
DRC REPEATERS	12



APRIL MEETING - WHAT'D I MISS?

By Bill, W6OAV

There were 54 attendees this month. After attendee introductions, Gerry (W0GV) announced that work party volunteers may be needed at Centennial Cone when coax grounding and equipment replacement occurs. The work party should take place sometime in May, weather permitting.

Gerry also announced the arrival of the Yaesu Fusion repeater. This repeater will be installed in the next few days at Station 4. It will operate on 449.775 MHz with a 100Hz PL.

Jim (K0TOR) then announced that the Wheat Ridge emergency folks were very appreciative for the DRC volunteers who monitored their siren performance. He also mentioned he will be looking for volunteers for the Lakewood siren test in May.

The meeting was then turned over to our guest speaker, Robert (K0RCW). His PowerPoint was titled "Raspberry PI Update 2.0".

- Developmental history.
- Hardware description.
- Features of the PI.
- Description of the various models.
- Sanctioned peripherals.
- Hardware costs.
- OS systems which will run on a PI.
- Ham radio applications.

After the presentation, several attendees were heard saying that they were interested in purchasing a PI!



Robert (K0RCW) presenting the PI.



Raspberry PI.

WHO'S NEW IN THE DRC?

The DRC is a very active club in the Denver metro area and we'd like to have all of our members listen for these new calls and personally to make them feel welcome.

Gregory A. Lindgren	KB5IXD
B. Michael Welter	KE0BMX
Brad Nelson	KD0GBX
David (MacGyver) Garcia, Jr	KE0DSJ
Sherrie Dawn Boyle	KE0DXE
Gerald L (Jerry) Corning	K0MT
Michel O'Neill	KD4SFA
Rick Swearingen	-

Welcome to our newest members. We have a number of activities throughout the year and we'd like very much for you to participate in serving your community. If you have questions please feel free to ask on any of the repeaters or see the contact information on the last page of this publication. Also please join us once a month at the regular club meeting on the 3rd Wednesday at 7 p.m. For new hams we have the Elmer session which starts at 6:00 p.m. before the regular meeting.

More information can be found on the Denver Radio Club website at <http://www.w0tx.org>.

APRIL TECH COMMITTEE REPORT

By Bill, W6OAV

The following is an overview of the items discussed during the April Tech Committee meeting. The project coordinator's callsign is in **RED**.

TS-940 Repair (K0TOR)

Goal: Determine if re-soldering and cleaning connectors will fix radio.

Status: K0TOR has completed the many repairs. The TS-940 has been successfully "cooking" on the bench for the past two months.

Voter System (W0GV)

Goal: Develop a network configuration based on location of main transmitter.

Status: KF0RW will investigate a possible central transmitter site downtown. Paper work has been submitted for a possible tower site east of town. If approval is obtained for the site east of town, Bill (W6OAV) will run coverage plots of that site and Station 4 to determine the resulting weak signal areas.

Voter System Expansion (W0GV)

Goal: Locate additional sites: North Site may have been located.

Status: Still looking for a South Site. There may be a possible site North of Denver. W6OAV will run a coverage plot to determine if the coverage will be beneficial to the system.

145.49/448.625 Repeater - Controller and Radio Upgrade (AC0UA)

Goal: Replace the S Com 7k with a preprogrammed S Com 7330 and replace the Sytnors with Kenwood: The controller is programmed and ready for installation.

Status: The Club's tower climbers will determine a mutually acceptable date for a coax grounding work party (listed below) in May. WWOLF and AC0UA hope to perform the equipment upgrade at the same time.

145.49/448.625 Repeater - Grounding (W0GV)

Goal: Ground DRC & Intermountain Repeater Association hard lines.

Status: This will be done in May (Listed above).

DRC/TSA Aurora Site (W0GV)

Goal: Maintain contact with TSA relative to establishing a "communications room" for the DRC.

Status: The move-in phase is going very slowly. No prospects yet.

DRC Fusion Repeater (W0GV)

Goal: Once received, program and install a new Yaesu Fusion repeater: Fusion has been ordered and expected to arrive in several months.

Status: The repeater arrived last week, is installed and working well.

MOTOTRBO Repeater

Goal: Troubleshoot the DRM-Marc to determine why the Shamburg, IL repeater is on the local timeslot: K0HTX has received the code plug from KBOA and will verify the programming in our repeater.

Status: The IL group fixed the problem.

Packet Gateway

Goal: Replace the KAM XL TNC which has a history of randomly defaulting to factory settings.

Status: W6OAV is researching alternative hardware solutions.

UPCOMING LAKEWOOD SIREN TESTS

By Jim, K0TOR

The Denver Radio Club will be supporting the City of Lakewood siren test at 11:00 AM on Wednesday, May 13th.

Lakewood has 26 sirens. If you covered a Lakewood siren on last years siren test you will be contacted to cover this same site this year. If you did not participate last year and would like to this year please email Jim Beall at k0tor@arrl.net or call me at 303-798-2351. If I am unavailable please leave me a message.

We need additional radio operators to replace those that worked last year and are not available this year. We request that you be on site by 10:30 a.m., and the test is completed by 11:30 a.m.

(Continued on page 4)

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For those who are available we will meet for pizza and soft drinks following the siren test at the Lakewood Public Safety Building.

This is a great public service and a fun exercise. If you would like to help, please email or call me. Thank you.

Thanks Jim!

The Denver Radio Club membership would like to thank Jim (K0TOR) for all the time and work he has put in over the years coordinating the annual Lakewood and Wheat Ridge siren tests. These tests, which would almost be impossible for county employees to perform help insure public safety as the severe storm season approaches.

MAY MEETING PRESENTATION

By Robert, K0RCW

The value of having a radio mounted in an easily transportable “ready-to-go box” for field day or in the event of an emergency or deployment to a served agency cannot be overstated.



Six Unit Gator Box

A properly configured “go box” will contain your radio(s) a power supply, external speakers, a lockable drawer for manuals, papers, laptop computer, and even a VHF/ UHF antenna ground plane for easy transport and quick installation.



Four Unit Gator Box

A wide variety of wheeled or luggable boxes featuring standard 19” computer equipment rack mounts on removable trays make installation of radio equipment sim-

ple and easy to change with changing needs.



Six Unit Box on Wheels

We will look at each stage of construction including considerations such as weight vs. capability, use of Anderson power poles, pigtail connectors, battery considerations, etc. Two boxes I have made will be on display.

W0TX LEARNING NET (UPDATE FROM ELMER)

By Fred, AA0JK

April, another great month for the Denver Radio Club Learning Net. No fooling, (pun intended).

Topics discussed:

Bringing your feed-line into the shack. This got a lot of comments from everyone on their methods of getting their feed-lines into their shack. Lynaire (K0LPR) even brought photos to the Ham Fest of her installation and Fan Dipole antenna. Thanks Lynaire. We all enjoy hearing and seeing the innovation hams bring to the hobby.

Adding to our check-in list, we are getting e-mails from individuals listening to the net on their scanners. Questions on how to get their license. This is great and we encourage anyone listening to contact us with any questions they may have about Amateur Radio. We’re here to help.

We also had an airline pilot from Virginia, Wally (WD1U), join us while on layover in Denver. We enjoyed his comments and contributions to the net.

Other subjects for the evenings were, cone and vertical antennas. Pros and cons. Hand-held radios and comments from users helping each other gain the most from their equipment.

Thanks to all who joined us for the nets, also thanks for the e-mail.

Check-out past topics and additional postings on our Yahoo Groups web-site: (<https://groups.yahoo.com/neo/groups/HamLearningNet/files>).

Join us Wednesday nights, 7:30 PM, 145.490.

(Continued on page 5)

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Note: The third Wednesday of the month is devoted to the DRC club meeting. Jefferson county administration building, 100 W Parkway, Golden. See the W0TX web page for details. Can't wait? Send us a note at Yahoo LearningNet.com, or elmer@w0tx.org

ROUNDTABLE ROUNDWORLD

Submitted By Paulo, CT1EHO

"Responding to your request for comments from the RT readers across the world, here it goes something about me.

I'm 46 years old, I'm married with Teresa and we have a daughter named Susana, we live in Alvor which is a small fisherman town located in the south coast of Portugal. I work has a radio communications engineer in Vodafone Portugal.

I met Bill W6OAV a few years ago through the Echolink system, by the time I was testing the newly commissioned WCDMA (3G) wireless broadband system here in Portugal, we were asked to preform many data transfer tests, and streaming of several types, since I was a ham radio operator I thought of trying the Echolink just to see if it worked fine, I randomly picked up a link repeater which was W0TX, I've placed a call and the first ham that responded was Bill, we exchanged some interesting conversation while Bill also told me that his work was on the telecommunications industry, since then I've learned many things about Denver, the culture and way of living of the people there in Colorado.

One of the first things I've noted was that amateur radio people there in Denver was very friendly, each time later I called on the W0TX there was always some friendly guy that came back to my calls, this is great taking into account that I've done many random calls through the links and repeaters spread all over the world, and too many times there was no response :-)

Bill and his wife Ginni honored us with a visit to our home about 6 years ago, It was totally cool to meet a friend who I've talked to many times before from across the sea! Of course the time was short for so much conversations, but it was a great family time for us!

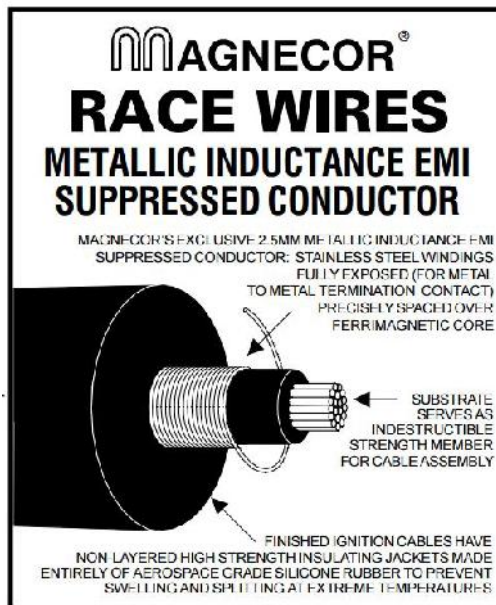
Reading RT is another way for me to keep in touch with the many friends I've met through the years, and keeps me updated on what's going on on DRC and Colorado ham community!"

Best regards,
73
Paulo CT1EHO

CUTTING DOWN ON IGNITION NOISE

By Scott, N00BA

I was experiencing severe ignition noise on my HF radios in my Jeep Cherokee and especially in my 94 Chevy Silverado. Someone suggested that I should try the KV 85 Magnacore ignition wires. These wires are specially designed to suppress ignition noise.



I purchased these ignition wires and installed them in place of the Jeep's stock and Bosh wires. I was ecstatic as the noise had disappeared. This was after I tried all the tricks. For example, I grounded everything from the hood to the tailpipe and anything else I could think of. In other words, I searched the internet for help and solutions that others may have tried.

I then installed my HF rig (706MKIIG) in my 94 Chevy pickup. The ignition noise was twice as bad in my truck and was almost unusable. I grounded the hood, the headers, and the exhaust in several locations including the end of the tailpipe. No luck. I then used a sniffer with an AM radio to try and track down the root of the noise. It appeared to be coming from the coil area. Also, the wires were very bad as well. I of course, figured I'd try another set of the Magnacore wires. I was hoping I would have the same luck with the truck as I did with the Jeep.

Well, I couldn't have been happier. I installed the wires and I seem to have cut the noise in half. Now along with the noise blanker I was actually able to use the radio. It was quiet when driving around and under loads. If I disabled the noise blanker the noise was back but was so much lower. I also noticed before I installed the wires

(Continued on page 6)

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that FM radio signals in the truck on both the 2 meter radio and the FM Stereo were very noisy with noise from the ignition until I installed the wires. It was so much better and they seemed to work as the company claimed.

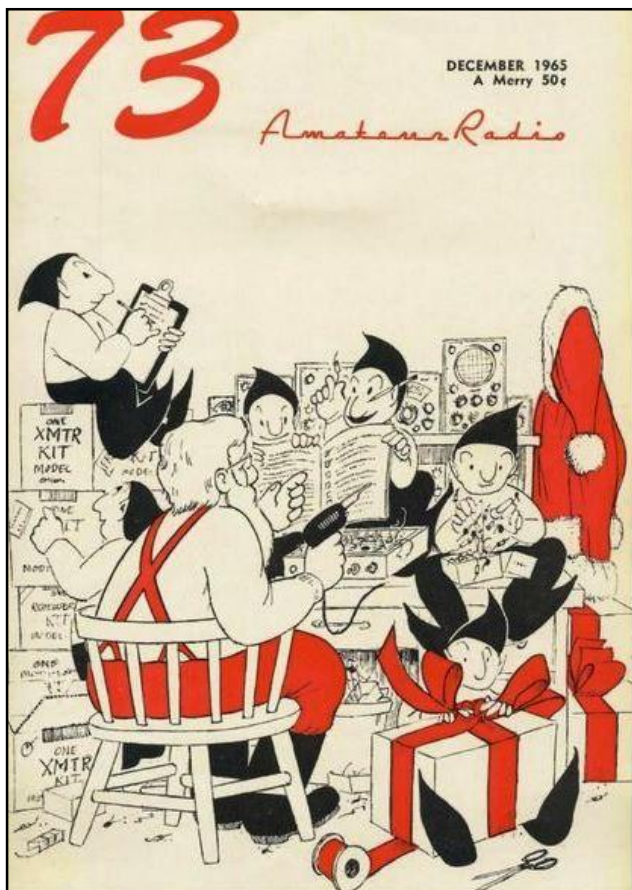
I am still running the wires and have had no issues the last 8 years +. Once again, I tried BOSH wires and they were no better than the stock ones in my situation. Others may not have the same results for every vehicle is different but I think these things are awesome! Information on the Magnacore ignition wires, as well as a multitude of theory, can be found at:

<http://www.magnecor.com/magnecor1/main.htm>

73 MAGAZINE IS ONLINE

By Bill, W6OAV

73 Magazine was published from 1960 to 2003. It was known for its strong emphasis on technical and construction articles.



The magazine was also well known for the lengthy interesting and sometimes controversial editorials in each issue by its founder and publisher Wayne Green (W2NSD). During the magazine's lifetime 524 issues

were published containing approximately 8619 articles in over 64,000 pages. Even though a lot of the articles are outdated today it is fun to thumb the magazine. The theory articles are still valid today. The magazines can be read at: <https://archive.org/details/73-magazine>.

Information Sharing

FREE

Denver Radio Club
Come out to the Monthly Meeting

Golden, CO



Expiration Date: 12/31/2099

Please Let Us Know

Over the years we occasionally hear from hams who have read the RoundTable in other states and countries around the world. We appreciate the comments and we would like to know where you are located. So if you live outside the Front Range or Denver Metro Area and read the newsletter either online, email or hard copy please send a short note via email with your *City, State or City, Country*.

We will publish it at a later date in our new regular feature called RoundTable RoundWorld.

To respond to this request send your information to roundtable@w0tx.org.

Subject: I'm located in...

Thank You

~ GET PUBLISHED ~

We welcome and encourage all members to share their experiences and stories so that we can all learn from one another. It can be long or short. If we can't fit it into one newsletter, we can split it across multiple issues. Not a writer? We have volunteers that will listen to your story and put it into an article, and of course you will have the opportunity to review and approve prior to publication. Your contribution to the club is welcomed and appreciated. ~Editor

VE SESSION RESULTS

By Tom, KC2CAG

There are not any VE Session Results for the month of April.




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DRC SUPPORT OF WHEAT RIDGE SIREN TEST

By Jim, K0TOR

On April 8th the DRC supported the annual Wheat Ridge siren and listening site test. This year 15 siren sites and 5 listening sites were covered. Listening sites are identified by the city to evaluate surrounding siren coverage. This evaluation is used to identify where surrounding siren sites need upgrading or new siren sites need to be added. These tests are performed in the spring to verify siren functionality prior to the severe weather season.

This years test results showed all siren tone and voice announcements were clear and understandable. There were two minor mechanical conditions reported on two sites. Four of the five listening sites reported hearing the siren but unable to understand the voice announcement. The intention of these warning sirens is to alert people who are outside and in the area of impending threatening conditions.

We had a total of 27 ham operators that supported this years' siren test. All sites were covered and we had three ham operators on three siren sites for test familiarization. And we had one "roamer" that was available for backup. You can see from the number of personnel needed to support this test, that it represents a great cost savings to the City of Wheat Ridge. We also had Channel 7 News cameraman come by to provide news coverage of the siren test.

I appreciate Jack's (W0JMC) help in assigning help for siren sites and performing net control duties. Jack, thank you for your help. And I thank each one of the following hams who volunteered and supported the siren test this year:

Chad (KC0WWW)	Bill (W6OAV)	Bryan (KE0CTM)	Chris (KD0ZYF)
Fred (AA0JK)	Reid (KD0NRO)	Jim (KC0OLW)	Doug (N4ATA)
Jocelyn (KD0ZVA)	Ron (K0HRT)	Grace (KC0UZU)	Kenny (KE0CNS)
Jay (K0LJW)	Jim (N0BED)	Dave (WG0N)	Bob (KX0I)
Lance (N0ETV)	Orlen (WW0LF)	Ken (KA5DKS)	
Marshall (KF0UV)	Terry (N0PQV)	Steve (KD0WMO)	
Chris (KD0DUJ)	Dave (K0HTX)	Ken (K0YES)	

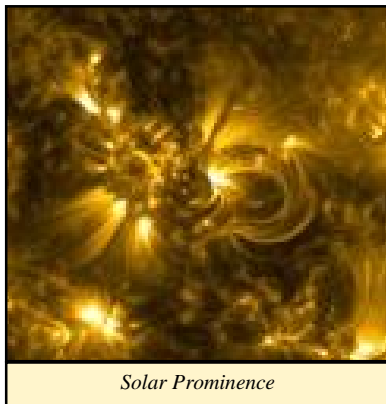
I commend each one for volunteering to support this siren test. This test would not have been successful without the support of each one of you. JOB WELL DONE!!!

Commander Mark Cooney, Wheat Ridge Police Department, Larry Stodden, Wheat Ridge Communications Manager, Lakewood/Wheat Ridge radio communications staff and the City of Wheat Ridge thank you for your help in testing the siren system.

SOLAR UPDATE

BY FRED, AA0JK

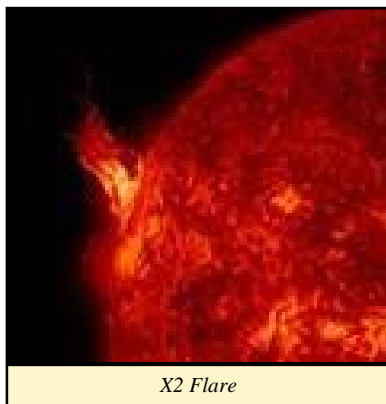
A bright solar prominence rose up from the Sun and twisted around in about a six-hour period (Apr. 21, 2015). While some of the material broke away into space, much of it fell back into the Sun. The images were taken in a wavelength of extreme ultraviolet light. At its greatest height, the plume extended out many times the size of Earth, allowing numerous amateur astronomers to observe this event with their solar telescopes. Credit: Solar Dynamics Observatory, NASA.
Search Tag(s): *aia, 304, filament, prominence*



SDO

Last night at 0551 UTC (0152 a.m. ET), as SDO began the scheduled roll calibration maneuver, the ACS went into Sun-acquisition mode. SDO remains in that mode while the engineers look for the cause. The spacecraft is stable and in contact with the SDO MOC. Science data is not being taken at this time. Updates will be posted when available.

[The First X-class Flare of 2015!](#)
Wednesday March 11, 2015



Solar Storm Forecast 04-22-2015

<https://youtu.be/Rzf6ZadhA>

Published on Apr 22, 2015

Increased activity from the Sun this week has us on the edge of our seat as we wait for the arrival of an overdue Earth-directed solar storm. We've also had six M-class solar flares over the past 24 hours, most of them from region 2322 as it started to rotate out of Earth view. The other region that shot one M-class flare is on the East limb, but has yet to give us any more big flares. We will get a better look at this region in the next few days as it rotates more fully into view. Although these flares have affected the amateur radio operator bands over the last day, things should be quieting down, until the storm hits. Learn details of the coming solar storm, catch some gorgeous aurora photos from the recent fast solar wind stream that hit Earth last week, and see what else the Sun has in store.

For daily and often hourly updates (during active times) visit me on Twitter: twitter.com/TamithaSkov
[Home - Tamitha Skov - Space Weather Woman](#)
www.scieande.com

Tamitha Skov

The ability to understand how **Space Weather** affects our daily lives is not limited to an educated elite set of rocket scientists and astronomers. Understanding the sun's effect on our Amateur Radio Hobby may seem like Pseudoscience. The next time you're chasing DX, check first with Dr. Tamitha Skov for the latest solar/space weather conditions. She does a great job of making the science understandable. Thank You Dr. Skov!!! Dr. Skov will be joining the Dayton HAM Convention this year. If you see her there, say hello and thank her for her work and contributions to the amateur radio community.



Ham Tip ~ If you have not already been introduced to **Ham Nation**, click the link for the latest broadcast. Enjoy and help spread the word to others who might enjoy it also. 73, Fred (AA0JK) <https://www.youtube.com/watch?v=rlizalKylps>

This puzzle is provide courtesy of Chris Codella - W2PA. The URL for his website is <http://www.w2pa.com>. The solution for the puzzle is on page 10.

Radiogrammer

Across

- 1. Rock band Los ____
- 6. Polite XYL title
- 10. Cooper maker
- 14. Amplifier connector label, say
- 15. Light beige
- 16. Coax elbows
- 17. Loop type
- 18. Apple competitor
- 19. Phony DX
- 20. Sign in a radio station
- 22. Packet ckt.
- 24. NTS rock band?
- 27. Clues
- 31. Bamboozle
- 32. SV letter
- 34. B4, of yore
- 35. CW shorthand item
- 37. Single- or multi-, in propagation
- 38. Gator's cousin
- 39. Knight's need

- 40. NTS unit
- 41. Type of feed
- 42. Globe ____ transmitter
- 43. ARRL volunteer official
- 44. Prefix with -single
- 45. Good report, using 35-acrosses
- 46. W7 city
- 49. 76, 77 and 78 maker
- 50. Expressionless
- 52. Illicit rendezvous station?
- 54. Area net for 55-across
- 55. Region net for 12-down
- 56. Staff
- 59. Brain wave
- 61. Soldering tools
- 65. OOTC members
- 66. Jamaica

- 67. Bigger than picos
- 68. Bosses on 40-acrosses
- 69. Small dwellings
- 70. Isle of Man prefix

Down

- 1. Needer of too many fills
- 2. New year's nr
- 3. Traffic handling award
- 4. Words before band, on an FCC citation?
- 5. W6YX
- 6. Noble I-land family name
- 7. Tennis whiz
- 8. Characters before seventy three
- 9. Entry class
- 10. Early radio parts maker
- 11. 9RN place

- 12. A 30-down, in W2-land
- 13. An end to perfection?
- 21. Ready follower?
- 23. Transistor type
- 24. Long haul 52-across
- 25. Common preamble item
- 26. Where a radiogram enters the ether
- 27. Fox or turkey follower
- 28. Guy wire hardware items
- 29. ____ back
- 30. ARRL unit
- 33. Word count
- 36. Batt. term. label
- 38. 7 MHz timer
- 40. Pre-LED amber light
- 41. Spreading, as with cream cheese

- 43. EA talk
- 46. Health resort
- 47. Forever
- 48. Humor newspaper nameplate middle
- 51. Places to find antenna restrictions
- 53. Filter maker
- 55. RTTY conveyance
- 56. Area net for 11-down
- 57. RX ckt.
- 58. Old video game inits.
- 60. Was CR8, once
- 62. Band breaker
- 63. Dahdit, in F-land
- 64. Dir. from W2 to LU

1	2	3	4	5	6	7	8	9	10	11	12	13	
14						15				16			
17						18				19			
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50			51					52			53		
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56	57	58			59	60				61	62	63	64
65						66				67			
68						69					70		

ELMER SESSION START TIME

The Elmer Session Starts at 6 p.m. before the regular DRC Meeting!

Come out and join in on the sharing of information.

FACT OF THE DAY

LED Advantages

Light Emitting Diodes (LED's) have many advantages compared to incandescent lamps. They are much more rugged mechanically, because light is produced by a solid state chip that usually is encapsulated in solid epoxy. There is no filament to break or burn out. LED's typically last about 30 times longer than incandescent lamps of similar size and brightness. They are very energy efficient and typically require only 10 to 20 percent of the power required by incandescent lamps of similar brightness. They produce very little heat, because of their high efficiency. LED's can be physically smaller than incandescent lamps with similar brightness. They emit light much faster after power is applied and they stop emitting light much sooner after power is interrupted, which is especially important in some applications. ©2005 Martek International, all rights reserved.



WHAT IF THE WEATHER CHANGES?

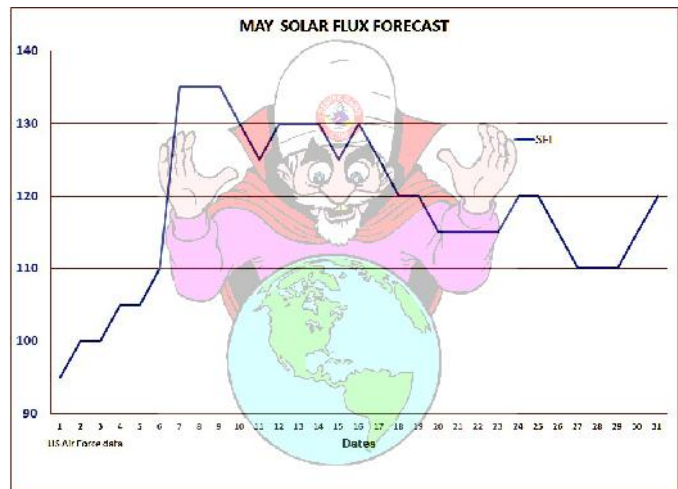
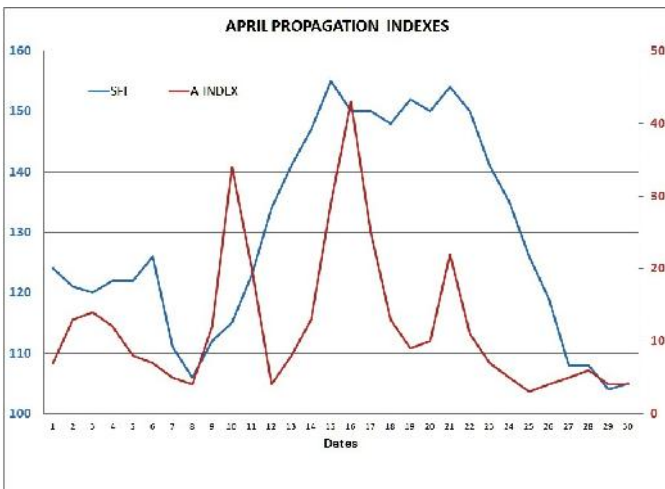
As every Coloradoan knows our winter weather can take a sudden change for the worse. If we should experience a turn in the weather on the day of our monthly DRC meeting it may be necessary to cancel the meeting. If this should happen listen for meeting status reports on 145.49 or 448.625 MHz repeaters during the afternoon on the day of the meeting.

PAST & FUTURE PROPAGATION CONDITIONS

By Bill, W6OAV

The charts below show the Solar Flux and "A" indexes for last month and the forecast for this month's Solar Flux index.

Refer to the September 2010 *Roundtable* for more complete information on interpreting these charts. Issues of the *Roundtable* are available at <http://www.w0tx.org/RoundtableAccessPage.htm>.



© 2007 - 2015 Denver Radio Club; All Rights Reserved; See Editor's Note for Additional Information.

UP COMING EVENTS







HAMFESTS & CONVENTIONS

The following are the HAMfests & Conventions which have been registered with the ARRL so far. More information can be found on www.arrl.org/hamfests.

2015

- June 6** – **Montrose ARC Tail Gate Party**
Delta, CO
Delta Lions Club Pavilion
<http://www.montrosehamradio.org>
- July 11** – **PPRAA MegaFest**
Monument, CO
Lewis-Palmer High School
<http://ppraa.org/megafest>

- July 23** – **Central States VHF Society Conf.**
Westminster, CO
Denver Marriott Westminster
<http://csvhfs.org>
- August 16** – **DRC Hamfest**
Jefferson County Fairgrounds
<http://www.w0tx.org>
- Sept. 27** – **Boulder BARCfest**
Boulder County Fairgrounds
<http://www.qsl.net/w0dk>
- Nov. 7** – **285 TechConnect 2015**
Lakewood, CO
<http://na0tc.org>

MAY 2015						
DRC Net Sunday's at 8:30 p.m. on 145.490 / 448.625 (No PL)						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3  Full Moon	4	5	6 Learning Net 7:30 p.m. 145.490 / 448.635 (No PL)	7	8	9
10 	11  Last Quarter	12	13 Learning Net 7:30 p.m. 145.490 / 448.635 (No PL)	14	15	16 Arm Forces Day 
17  New Moon	18	19	20 DRC Meeting Elmer 6:00 p.m. General 7:00 p.m.	21	22	23
24	25 Memorial Day 	26	27 Learning Net 7:30 p.m. 145.490 / 448.635 (No PL)	28	29	30
31						

Check www.ARRL.org for Contests and Rules!

DRC BOARD OF DIRECTORS

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Board Member	W0JMC	Jack McComb	303-885-9098	w0jmc@arrl.net
Board Member	K0LAI	Larry Irons	303-763-8112	<i>Check Roster</i>

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Web Master	N0LAJ	Bill Hester	<i>Check Roster</i>	<i>Check Roster</i>

DRC REPEATERS

BAND	Freq / Shift / PL Tone	Additional Information
6m	53.090MHz (-1MHz) 107.2Hz PL	
Packet	145.05MHz<>14.105MHz	
2m	145.490MHz (-) 100Hz PL	Linked to the 70cm - 448.625MHz machine.
2m	147.330MHz (+) 100Hz PL	Local Area, Members Auto-Patch Does Not TX a PL!
2m	147.330MHz (+) 131.8Hz PL	Test Mode Operation. Send signal reports to Tech Committee.
1.25m	224.380MHz (-) 100Hz PL	
70cm	447.825MHz (-) DCS-073; NB 12.5; +/- 2.5	Saint Anthony's Note: This is a narrow band repeater requiring DCS.
70cm	448.625MHz (-) 100Hz PL	Linked to the 2m - 145.490MHz machine.
70cm	449.350MHz (-) 100Hz PL	Wide area coverage with Echolink Node # 4140.
NEW 70cm	449.775 MHz (-) 100Hz PL	Yaesu Fusion Digital / Analog, 100 Hz Tone Required for Analog.
70cm	446.7875MHz (-)	MotoTRBO Repeater Slot 1 – DMR-MARC WW, Slot 2 – Local

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DRC members - this is your newsletter. Please email your club or amateur radio related suggestions to the editor. Members are the heart of The Denver Radio Club, so if you have an expertise or an interest in a particular segment of ham radio that you'd like to write about, you may email your submissions to roundtable@w0tx.org. The submission deadline is the 20th of the Month. ~ Editor