

## From the NCARC President

*Joe Hawley KDØTYU*

[president@ncarc.net](mailto:president@ncarc.net)

January was quite an exciting month for NCARC. On January 15th, as most of you know, we had our HamFest with 302 people attending. That's slightly down from years past, but I feel it was a tremendous success with our COVID issues still around. I heard from many of you that enjoyed our show and are looking forward to our next HamFest in 2023. I want to apologize to everyone for the lack of coffee, which was an error on my part and the people who handled the concessions. It was a last-minute change that I heard about on Friday night just the night before. Next year, I promise we will have it there for you.

On January 29th, we had our long-awaited Rosin Corps class. I think everybody had a great time. We plan on doing one sometime at the end of March, and we're working on possibly doing some kit building at that time. More information will be on the website as we lock in more dates and times. We have limited space over at the venue we're using, so please register as early as possible if you're interested in joining us.

Again thanks so much for your support. If there's anything that we can do to improve this club, please don't hesitate to contact me.

## Public Affairs Office

*Dave Winnett WØDDZ*

[pao@ncarc.net](mailto:pao@ncarc.net)

Numbers as of February 8, 2022

### YouTube

Views (last 28 days): 2,292

Watch time (hours, last 28 days): 318.9

Subscribers: 2,227

New Subscribers (last 28 days): 24

### Facebook

Members: 498

New Members: 8



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## Club Meeting and Speaker

Next Meeting

Saturday, February 19, 2022

**9:00 am** socialize, **9:30 am** club meeting, followed by Show and Tell:

**LIVE and IN PERSON** at  
The Golden Corral  
1360 Sculptor Dr, Loveland CO 80537

*PLUS*

Zoom streaming  
All members will receive a link to the online broadcast

If you don't receive a link by Friday before the meeting, please email [treasurer@ncarc.net](mailto:treasurer@ncarc.net)

You choose what you feel comfortable doing: attend in person or online.

**Topic:**

*Ham Shacks*

**Speaker:**

*Dick Doutt, KEØME*

## Get the Goods!

We have a store – for clothing and a variety of other items! We've always had monogrammed clothing (<http://www.ncarc.net/?q=node/424>) and have added stickers, t-shirts, patches, water bottles and keychains. Items will be available for sale at the Club Meeting. And keep an eye out for the new and improved Store coming soon to our website.

# Treasurer's Report

Darren Kalmbach KCØZIE

[treasurer@ncarc.net](mailto:treasurer@ncarc.net)

## December 2021

Account	Checking	Raffle	Savings	PayPal	Total
Beginning Balance	\$1,265.00	\$1,981.00	\$649.00	\$6,989.00	\$10,884.00
Deposits	\$-	\$-	\$-	\$1,645.00	\$1,645.00
Transfers	\$-	\$-	\$-	\$-	\$-
Withdrawals	\$225.00	\$1,609.00	\$10.00	\$243.00	\$2,087.00
Ending Balance	\$1,040.00	\$372.00	\$639.00	\$8,391.00	\$10,442.00
Outstanding Items	\$-	\$-	\$-	\$-	\$-
Net Balance	\$1,040.00	\$372.00	\$639.00	\$8,391.00	\$10,442.00
Net Change	\$(225.00)	\$(1,609.00)	\$(10.00)	\$1,402.00	\$(442.00)

**Expenses:** Storage, Zoom, Party, HamFest

**Revenue:** Memberships, HamFest

## January 2022

Account	Checking	Raffle	Savings	PayPal	Total
Beginning Balance	\$1,040.00	\$372.00	\$639.00	\$8,391.00	\$10,442.00
Deposits	\$4,037.00	\$1,957.00	\$-	\$1,310.00	\$7,304.00
Transfers	\$2,000.00	\$-	\$-	\$(2,038.00)	\$(38.00)
Withdrawals	\$1,216.00	\$-	\$10.00	\$48.00	\$1,274.00
Ending Balance	\$5,861.00	\$2,329.00	\$629.00	\$7,615.00	\$16,434.00
Outstanding Items	\$-	\$-	\$-	\$-	\$-
Net Balance	\$5,861.00	\$2,329.00	\$629.00	\$7,615.00	\$16,434.00
Net Change	\$4,821.00	\$1,957.00	\$(10.00)	\$(776.00)	\$5,992.00

**Expenses:** Storage, PO Box, HamFest

**Revenue:** Memberships, HamFest

### Membership Activity:

December 2021: 278 (9 new)

January 2022: 148 (148 new)

December 2020: 281

January 2021: 196

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# HamFest Raffle Winners! Congratulations!

License No. 2022-17020

10 thru 80 End-Fed Antenna designed by Jim Dixon KA6ETE

Winner: Tim Wisen, N7TMP

Yaesu FTM-6000R Dual Band FM Mobile

Winner: Sean Mackrory, KK6GZN

Kenwood TM-V71A Dual Band FM Mobile

Winner: Bob Weant, KC0VQE

Yaesu FT-4XR Dual Band FM Handheld (2 each to be raffled)

Winners: Darren Kalmach, KC0ZIE; John Ringland, KFOESH

MFJ Versa Tuner II

Winner: Patrick McCabe

Yaesu FT-891 HF/6M All Mode Mobile

Winner: Ann Donoghue K0OARD (her first HF radio!)

## Thanks again to our HamFest Sponsors:

Fort Collins Dodge Chrysler Ram Jeep

<https://www.fortcollinsjeep.com/>

<https://www.fortcollinsdcr.com/>

RT Systems – “Radio Programming Made Easy”

<https://www.rtsystemsinc.com/>

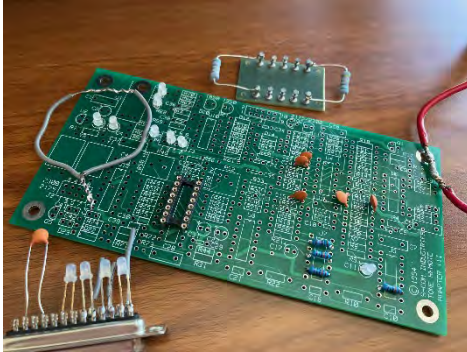
Poudre Valley REA

<https://pvrea.coop/>



## Rosin Corps January 29, 2022

This class was a resounding success! Thanks again to Bob Schmid for teaching us proper techniques and providing all kinds of goodies to play around with. We soldered two wires together, we added components to a circuit board (diodes, resistors, whatever he had in the pile), we soldered anything we could fit into a D-sub connector! Real works of art.



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## Tech Report

**James Cizek, KIØKN**

[techchair@ncarc.net](mailto:techchair@ncarc.net)

**February 2022**

### **Horsetooth**

We continue to have an issue with the 145.115 repeater. At first I thought it was a hardware failure, but I am leaning towards an intermod/interference issue. Since we have a camera inside the Horsetooth shack, I can see some LED indicators on the repeaters which has led me to believe the hardware is actually OK and the issue is with an offending signal. The site has been under some decent snow for a while and every time it seems the road is probably OK, it snows again! A trip will be made as soon as possible to check into this and see what we can do. In the meantime, please continue to report any outage via the techfeedback email address and we'll do our best to keep it on the air!

### **Buckhorn**

A PTZ (pan-tilt-zoom) camera was recently installed at Buckhorn. This camera will not only help us watch the site for security, but along with the PTZ at Horsetooth, will allow us to watch for advancing wildfire and help report that to Poudre Valley REA, other site tenants, and help us plan better for potential outages. I've included a few shots from our various mountain top cameras.

### **Phone Patch Project**

I was close to having the entire phone patch system working to add that capability to our repeaters, then, the server hosting the PBX suffered a catastrophic failure and none of my configuration was able to be saved. I spent a few weeks rebuilding things (and verifying backups are working) and am almost back to that point again.

I am struggling through a few more hiccups with the new PBX system, and then I can drop the repeater configuration back on. If you hear any testing on the repeaters, it's me, and it means we are close! I'll send a club announcement, once this is functioning, with instructions.

The board approved a small expenditure to purchase the necessary parts to finish building a MUCH larger battery bank at the Rattlesnake site. We are experiencing a power deficit in as little as 2 days with the solar panels covered in snow and were expecting 5 or more days. Thanks to a very generous donation of LiFePO4 batteries to the Club, we have the ability to take the battery bank at Rattlesnake from 200 amp hours, to 560 amp hours! The parts purchased will allow us to safely charge and maintain the proper temperature of the batteries which will be stored in an insulated box.

Still hoping for a spring install of the gear to get Grover connected to Sterling to complete that section of the project. I am still working on Red Feather exploration as well. No shortage of projects for us!

This spring, I'd also like to get a volunteer group together to paint and clean up our Horsetooth shelter.

That's all for this month! Stay warm and enjoy those nice days we have between snowstorms!

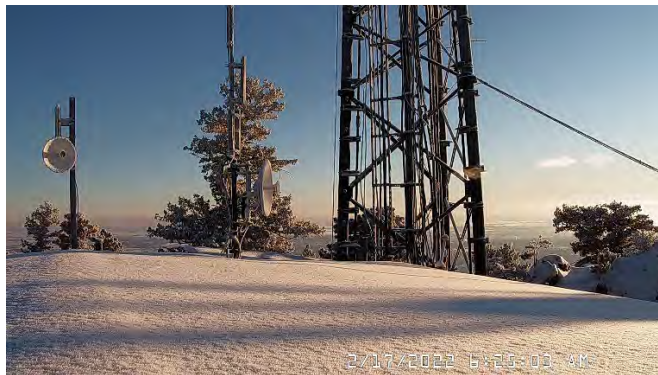


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## A few wintery pictures!



**Buckhorn -West**



**Horsetooth PTZ**



**Rattlesnake Cabin**

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## Upcoming Ham Radio Events

**Rosin Corps:** Mar TBD, 2022, Loveland, CO. Part 2 – to include building a small project.  
There will also be a small fee.

**Hamlet Class for new General class:** to be announced

**QSO Today Virtual Ham Expo:** Mar 12-13, 2022 and on demand for 30 days after  
<https://www.qsotodayhamexpo.com>

**Quad-Rock 50:** May 7, 2022, Contact Darren, KC0ZIE

**Ride to End ALZ:** Jun 12, 2022, Contact Darren, KC0ZIE

**Never Summer 100k:** Jul 29 to 31, 2022, Contact Wayne, ADOKE

**Blue Sky Marathon:** Oct 15, 2022, Contact Darren, KC0ZIE

**NCARC HamFest:** Jan 21, 2023, Loveland, CO

## Membership Renewal

Please renew your membership by going [here](#) on our website and either:

- Fill out and complete the on-line PayPal form
- or
- Download, print, fill out and mail in the [registration form](#) along with your check



## In case you missed it

This week kicks off COMEX 22-1, an opportunity for Amateurs to talk to Air Force and Army MARS operators.

### **Mars operation details:**

MARS COMEX 22-01

Event Dates - 19/20/21 February 2022

MARS operators will use their MARS callsigns on 60 meters

- **60 Meter Channel 1 nets will be held at 1200 MST 19/20/21 Feb for thirty minutes for interoperability with Amateur Radio Service**

There could be requests for situation reports (roads, infrastructure, weather, airport conditions) made between 1400z - 1910z - during the first 10 minutes of each hour. This request may appear on your favorite rag-chew frequency (HF/UHF/VHF); please respond if you hear a call.

## **Colorado QSO Party September 4-5 2021 Sponsored by the Pikes Peak Radio Amateur Association**

“Radio Dan” Mangro, W7RF, came in on top!

Per Dan, “The results are in for the 2021 Colorado QSO Party and your buddy not only took top honors in his category (low power CW) but had the highest overall score of ANY category! 90,520 was over 35K above the 2nd place finisher in my category and over 20K above the next highest score in any category!”

Results are here: <https://ppraa.org/coqp/coqp-2021-results>

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## More learning opportunities:

Rocky Mountain Ham University has several classes on the schedule. Go to <https://www.rmham.org/rocky-mountain-ham-university/> for more information and to sign up for a class. BONUS: past presentations are also available.

Regarding the devastating December 30, 2021 devastating Marshall Fire, here is an article from ARRL:

“Nine Boulder County (Colorado) Amateur Radio Emergency Services (BCARES) volunteers turned out on December 30, 2021 as the devastating Marshall Fire roared through Superior and (portions of) Louisville, Colorado. Intense winds whipped a grass fire south of Boulder near Marshall into a massive firestorm that became too large and fierce for firefighters to battle.”

Read the whole article at <https://www.arrl.org/news/ares-activates-as-wind-driven-year-end-fire-destroys-1-000-colorado-homes>

**The Amateur Radio Newline reported that the ARRL has redefined “low power” for its contests to be 100 watts, the level used by most other major contests.**

<https://www.arnewline.org/news/2022/1/6/amateur-radio-newline-report-2306-for-friday-january-7th-2022>

### **From the Editor**

*Ann Donoghue KØARD*  
[newsletter@ncarc.net](mailto:newsletter@ncarc.net)

Yep, I won the big prize at the HamFest Raffle! It's my first ever HF radio...now I just need to get that antenna up!

I also had a great time at the Rosin Corps event. Who knew soldering could be so much fun?

As always, I appreciate hearing from you and receiving any contributions to the Tribander!