



Central Dakota Amateur Radio Club, WØZRT

NOISELETTER

OCTOBER 2022



ABOUT THE CDARC

Central Dakota Amateur Radio Club - WØZRT was established in 1971. Our purpose shall be to further the exchange of information and cooperation between members, to promote radio knowledge, fraternalism, individual radio operating efficiency, and to conduct programs and activities that advance the general interest and welfare of the United States, North Dakota, our community, and amateur radio.

THE PRESIDENT'S QTC

Hello to everyone,
Fall is here and time to finish up those last minute outside projects and to use them through the winter months. This summer I have had many things keep me from my projects but hope to get them finished soon.

On the 29th of October I hope to see a few fellow hams at the workshop on building a dipole antenna. This will guide anyone who is interested in how to calculate, measure, and build a dipole antenna. The workshop will also discuss baluns. I look forward to seeing everyone at some event/meeting in the next month.

73!

Mike Holman, KEØESG
President, CDARC

October 25th, 2022, MEETING AGENDA

- A. Approval of September meeting minutes.
- B. Treasurer's Report
- C. Guests.

COMMITTEE REPORTS:

1. Technical.
2. Skywarn
3. VE Testing
4. Net Control report

OLD BUSINESS:

- a) Dipole antenna class October 29th
- 2) Girl Scout Big Event Report
- 3) Jamboree on the Air Report
- 4) HAMFEST 2023 Planning

NEW BUSINESS:

- 1) Missouri Slope Model Aero Club donation.
- 2) Elections
- 3) Christmas Party
- 4) Lewis and Clark on the Trail June 3rd -18th 23
- 5) New Equipment
- 6) Tower Site Recognition / Appreciation
- 7) 50/50
- 8) Announcements
Adjourn

September 27, 2022, MEETING MINUTES

Club President Mike/KEØESG brought the meeting to order at 7:05 pm.

In Attendance:

Mike/KEØESG (CDARC President)
Bob/NØTC (CDARC Vice President)
Chad/KCØAFB (CDARC Secretary)
Dee/KBØCGK (CDARC Treasurer)
Justin/KØJBM (CDARC Member at Large)
George/WØGX (CDARC Member at Large)
Kay/NØNWY
Rich/WBØTML
Mark/NØSUU
Mark /NØFAZ
Melton/KEØAMS
Randy/KCØCAU
Lorne/NØCYK
Bruce/K7MYH

A. Approval of July Minutes: motion from Lorne/NØCYK to approve. Second from George/WØGX. Motion carried.

B. Treasurer's Report - Dee/KBØCGK -
Checking account balance as of September 27, 2022: \$426.10. Savings account balance as of September 27, 2022: \$10,840.45. Motion from Rich/WBØTML to approve, second by Mark/NØFAZ motion carried

C. Guests - none

Committee Reports

1. **Technical** - Randy/KCØCAU, Mark/NØFAZ and Mike/KEØESG reported on the Hanover 43 Repeater. Aug 3 Randy/KCØCAU and Mike/KEØESG went to repeater site and determined that the transmitter on the repeater was not function. The repeater had been inoperable for several weeks before this. The repeater was not repairable on site, so it was removed and

brought back to Bismarck State College to work on it. Randy/KC0CAU Mark/N0FAZ Pete/KF0DL Mike/KE0ESG worked on repeater several different days and found the problem was a broken/burned trace on Squelch Gate Card. The trace was repaired. The team then connected the new donated duplexer to repeater and found duplexer not tuned correctly. Attempted again to tune duplexer with no luck. Determined something not right with duplexer. Mark/N0FAZ offered to loan his personal duplexer to get Hanover site active. Pete/KF0DL took loaned duplexer to his home and tuned it to Hanover frequencies. On September 25th, Pete/KF0DL and Mike/KE0ESG went to Bismarck State College and connected loaner duplexer to repeater and made final test for desense. Everything checked out. Pete/KF0DL and Mike/KE0ESG then traveled to Hanover site and installed repeater and loaned duplexer and made final check. On trip home they tested the repeater and noted a noise pattern of about 1 second intervals. It came and went at times. This is something to investigate in the future. Pete/KF0DL and Mike/KE0ESG brought old duplexer back to BSC and it is there to determine if it is tunable or if we need to replace duplexer. Mark/N0FAZ noted that he has some ideas for tuning but if we can't get it tuned, we can send the old duplexer into WACOM and have it repaired. Randy/KC0CAU determined that the DTMF function of the repeater is not working and needs to be addressed. KC0AFB suggested that we contact utility companies in the coverage area of 43 repeater for assistance in replacing repeater equipment. Mike/KE0ESG reported that Burleigh County EOC contacted him about the antenna at EOC that was damaged and if the club had an antenna to put on the building that was tilt over. It was determined that we don't have a replacement antenna for EOC. Mike/ will contact Mary about this. Bob/ will contact emergency manager about getting access/key to 94 repeater site. Mike/ thanked Pete/KF0DL, Mark/N0FAZ and Randy/KC0CAU for all their work on the 43 repeater.

2. **Skywarn** - Mike/KE0ESG reported no activations

3. **VE Testing** - Bob/N0TC reported that 1 person tested before meeting and passed General test.

4. **Net Control** - Mike/KE0ESG gave no report, will give report next month for both August and September

1. **Club Picnic** - Club picnic was originally scheduled for August 23rd but was canceled due to bad weather. It was rescheduled for September 13th. The Executive meeting was held at the picnic. Eleven people attended the picnic. The fox hunt was canceled due to technical issues. Will try to have a fox hunt at Jamboree on the Air at golf course. Bob/N0TC and Dee/KB0CGK donated the pop to the event.

2. **Projects at BSC Planning** - Discussion on Dipole antenna workshop. Motion for October 29 by Lorne/N0CYK, seconded by Mark/N0SUU. Motion passes Date was chosen for October 29th. Will start at 10:00am.

3. **Girl Scout Big Event Oct 1.** - Mike/KE0ESG talked about the event and the setup time and demonstration of Amateur Radio. The event is open to the public. It will be from 1pm to 3pm.

4. **Jamboree on the Air Oct 15th** - We will be setting up at 9am and it will go until 3pm. Mike/KE0ESG will bring his mobile tower and we will setup radios inside warming house. We will have tailgating sales and swap at the event. We will have QSL cards and will use the WA0BSA call sign for the event

5. **Net Control Coordinator** - Mike/KE0ESG ask for a volunteer for Net Control Coordinator. The duties for the position were explained. Lorne/N0CYK volunteered for the position. Mike/KE0ESG will send the information to Lorne/N0CYK.

NEW BUSINESS

1. **Hamfest 2023** - Chairs were decided.
a. Co-Chairs are Lorne/N0CYK and Mike/KE0ESG
b. Mark/N0FAZ will inquire about food service

2. **50/50** won by Chad/KC0AFB \$23 to winner - \$23 to club

3. **Announcements** were made by Mike/KE0ESG

Motion to adjourn by Dee/KB0CGK, second by Lorne/N0CYK; Adjourned at 8:08 pm
Respectfully submitted,

Chad/KC0AFB

CDARC Secretary

UPCOMING EVENTS

October 2022 CDARC Monthly Meeting:
October 25th, 2022, 7:00pm BSC Career Academy.

October 29th, 2022 CDARC Dipole Antenna workshop
10:00am BSC Career Academy, room 224

November 2022 CDARC Monthly Executive Meeting:
November 8th, 2022, 7:00pm Scheels Food Court

November 2022 CDARC Monthly Meeting:
November 22nd, 2022, 7:00pm BSC Career Academy.

NET REPORTS

August

Sunday CWJ/VHF Net 146.850
Nets 4, # Check In's 19
Two reports missing

Sunday 2Meter SSB Net 144.200
Nets 4, # Check In's 6
Two reports missing

Sunday 6 Meter Net 50.125
Nets: 1, # Check In's:3
Two reports missing

September

Sunday CWJ/VHF Net 146.850
Nets 3, # Check In's 22
One missing report

Sunday 2Meter SSB Net 144.200
Nets 3, # Check In's 7

Sunday 6 Meter Net 50.125
Nets: 0, # Check In's:0

Net Controllers:

Bob/N0TC, Randy/KC0CAU, Mike/KE0ESG,
Justin/K0JBM, Chad/KC0AFB
Activations: None
Reported by Mike/KE0ESG

LOCAL REPEATERS

145.430- Hannover, No PL
146.850- PL 107.2 (optional)
146.940- Super Link, No PL tone
147.060+ PL 107.2, Yaesu Fusion Analog- BSC
224.200- N0FAZ, PL 103.5
444.200+ PL 103.5 Cross band repeat on
52.525
444.350+ PL 107.2, Yaesu Fusion Digital
Repeater BSC
444.650+ Yaesu Fusion Digital or Analog
PL for analog 107.2
Keying up a Fusion repeater with an analog
transmission will switch all users to analog.

CDARC OFFICERS

President: Mike Holman, KE0ESG
Vice President: Bob Tracy, N0TC
Secretary: Chad Dahme, KC0AFB
Treasurer: Dee Tracy, KB0CGK
Members at Large: Justin Matteson, K0JBM
George Marvin, W0GX

COMMITTEES & COORDINATORS

Newsletter Mike Holman, KE0ESG
Dee Tracy, KB0CGK

Technical Committee Mark Malm, N0FAZ
Randy Tietz, KC0CAU
Pete Fettig, KF0DL

APRS Coordinator Randy Tietz, KC0CAU

SKYWARN John Paul Martin, KB0YLU

VE Testing Bob Tracy, N0TC

Information Officers Executive Committee

Web Administrators Mike Holman, KE0ESG
Quentin Schumacher, KD0WEB

Net Control Coordinator Lorne/N0CYK.

CHECK OUT THE CDARC WEBSITE AND FACEBOOK

<http://www.cdarcnd.com>

<https://www.facebook.com/cdarcnd>

FCC FRN INFORMATION

If you are planning on testing for your first Amateur Radio License, go to the following website and obtain a Federal Registration Number (FRN) first, and bring it with you to the testing session:

<https://apps.fcc.gov/coresWeb/publicHome.do>

(Note: if you already have a license, you already have a FRN; you do not need to register again)

VOLUNTEER EXAMINERS TAKE NOTE!

All ARRL-accredited Volunteer Examiners (VE's) must participate in at least one testing session every 5 years for their credentials to remain valid.