
KDØCI's Radio Newsletter

Volume 6, Number 1 - [Supporting Amateur Radio in Eastern Minnesota & Northwest Wisconsin](#) - January 25, 2011

PROMOTING AMATEUR RADIO ON LOCAL BROADCAST RADIO



Kenny Broshofske, KDØCI, is interviewed by KBEK Radio morning personality Scott McKinney on January 17th to talk about Amateur Radio and the January Ham Radio Class in Ogilvie. [Photo by KAØAJF]

"It's a partnership." Those are the words used by Scott McKinney of KBEK-FM Radio in Mora to describe the station's relationship with local Amateur Radio operators. It is because of this partnership that KBEK-FM station owner Colleen McKinney invited Kenny Broshofske, KDØCI, of the Mora Open Repeater Association, to the station for a "Morning Interview". [Story continues on Page 2]

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All this and more in this issue of the KDØCI Radio Newsletter

PROMOTING AMATEUR RADIO – continued from Page 1

“Morning Interviews” are a part of KBEK’s morning programming hosted by Scott McKinney. The interviews are aired at 7:30 AM, which meant a temporary change of habit for Broshofske, who usually gets up late in the morning and stays up late at night.

“I’m not used to getting up early,” Broshofske commented, citing his Night Owl tendencies, “but I can and do make exceptions.”

He was offered an opportunity to be interviewed from his home by phone, but he balked at that, citing his interest in broadcast radio.

“I hate phones,” he said. “Besides, I’m fascinated by broadcast radio. I’d much rather do the interview right at the station.”

The interview itself was on Monday January 17th starting at 7:30 and lasted for most of the ensuing half hour. A large part of the exchange between them was dedicated to the Ham Radio Class at Ogilvie which was scheduled to take place that same week.

“It [the interview] was fun,” Broshofske said. “McKinney is a very good interviewer. He’s very laid back and he asks all the right questions.”

For his part, McKinney welcomed the opportunity to talk about Amateur Radio, recognizing the role Ham Radio has played in the general history of radio. He also thinks there should be more interviews on this subject in the future.

“I’d certainly welcome it,” Broshofske says. “It’s a great way to get the word out about Amateur Radio in our area.”

KBEK-FM Radio is a 25,000 watt station operating at 95.5 MHz from Mora Minnesota. The station has been on the air since 1995, and has successfully bucked the trend of syndicated programming, emphasizing local programming with local personalities. The station covers a large portion of east central Minnesota and a portion of northwest Wisconsin.

The interview was not the first interaction KBEK has had with local Amateur Radio. The station has been a regular promoter of Ham Radio Classes, as well as Mora Open Repeater Association club meetings.

While the interview with KBEK is seen by Broshofske as a way to promote Amateur Radio via broadcast radio, KBEK is not the only radio station in the area working with Hams. Since the establishment of a Skywarn organization in the area, both KBEK and Red Rock Radio Group stations WCMP 1350 AM and 100.9 FM in Pine City, and WXCX 105.7 FM at Siren Wisconsin, have been receiving Bulletins from the Ogilvie Repeater Skywarn Group. The bulletins serve to alert the stations of the possibility of Skywarn activity whenever severe weather threatens the area.

Broshofske hopes the relationship between Amateur and regional broadcast stations will continue, and grow.

Cushcraft A3S Triband Beam Antenna – SOLD!

Eimac 3-500Z Tube – SOLD!

Cushcraft 13B2 Beam Antenna – SOLD!

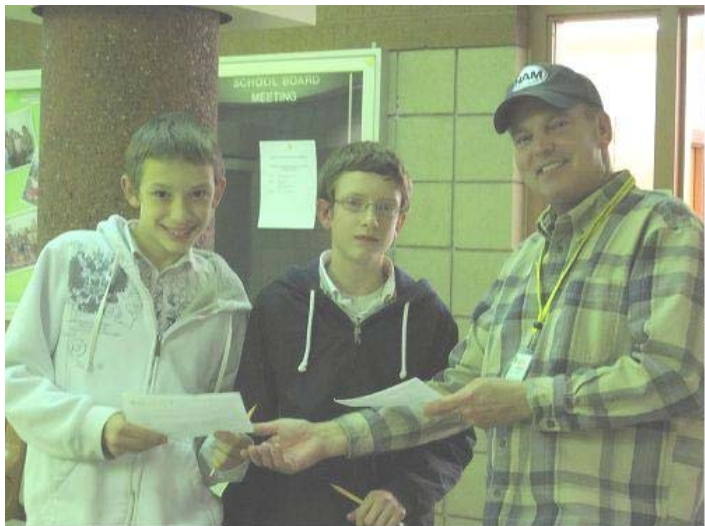
HOW?

By advertising in the **KDØCI Radio Newsletter!**

Place your ad in the Upper Midwest’s free trading post – the KDØCI Radio Newsletter

NEWS FROM OUR REGION & ELSEWHERE

January Technician Class in Ogilvie Minnesota Produces Four New Licensed Amateurs



ARRL/VE Lead Examiner John Smolenski, NØYR, presents Certificates of Successful Completion of Examination to [above] Devin Sodergren and Brandon Thomsen, [top right] Margaret Willis, and [right] Peter Willis during the Ogilvie School Exam Session on Thursday January 20th. The exam session brought to a close the three day Technician License Class, sponsored by the Mora Open Repeater Association. The VE examination crew was provided by Sherburne County ARES. [Photos courtesy of KAØAJF]



All four students in the January Amateur Radio Class at Ogilvie School successfully completed the Technician License Class. Passing their exams on January 20th were Brandon Thomsen and Devin Sodergren of Mora, along with Peter and Margaret Willis of Onamia.

All Day Radio Class Scheduled for March 12th at Elk River

Sherburne County ARES has announced plans for an All Day Amateur Radio Class on Saturday March 12th in Elk River. The class will be from 8 AM until 4 PM, with a VE Examination session to be held at the end of the class. The class is free. Class materials will be sent by email. For more information about the class, contact Mike Steckelberg, KØMJS, by email at k0mjs@arrl.net.

KDØJHI Completes Air Force Basic Training

Lucas Carlson, KDØJHI, recently completed US Air Force Basic Training, and has moved on to schooling. Carlson joined the Air Force prior to graduating from Ogilvie High School this past May, and began Basic Training upon entering active duty in November.

BITS AND PIECES

Radio Website of the Month – By Kenny Broshofske, KDØCI

My selection for radio website of the month is the popular Amateur Radio site [QRZ . COM](http://QRZ.COM).

QRZ offers a user friendly menu with up to date Amateur Radio news and information galore. A convenient SEARCH window on the home page enables you to find call sign and other “Ham Radio” related information. If you register with the site, you get even more access.

If you’re looking for practice exams, QRZ is a great place to start. Practice exams are available for all three license classes.

Go to the site and check it out for yourself at www.qrz.com

This Month in Regional Radio History

2008 – Because of recent growth of Amateur Radio in Kanabec County, for the first time in several years there is talk of organizing. An informal meeting among several local operators on January 14th signals the possible resurrection of the old Mora Open Repeater Association.

2009 – Coverage of a different sort of radio with Sara Broshofske, KCØYLF, working as a Jazz DJ on KUWS-FM, the University of Wisconsin-Superior radio station. Mary Broshofske, KAØAJF, shares a recipe for the Lactose intolerant.

2010 – As a result of changes in leadership in the American Radio Relay League, changes also occur at the Dakota Division level. Ham Radio responds to the Earthquake emergency in Haiti.

NOTE: Archived issues of the KDØCI Radio Newsletter can be found on the St Cloud Radio Club website. Just go to <http://www.w0sv.org/Newsletters-2010.htm> and select an issue from the “Highway 23 Corridor” column. Our sincerest thanks to Phil Jorgensen, N1ARM and the St Cloud Radio Club for their continued support in this endeavor.

EMESNET HONOR ROLL: OCTOBER NOVEMBER AND DECEMBER 2010

The following is a list of stations reported by Net Controls as having participated in the Eastern Minnesota Emergency Simplex Net during the period noted above.

AB9AC	Dave	Superior	KDØBUO	Gene	Mora
KAØAJF	Mary	Ogilvie	KDØBUQ	Jim	Mora
KAØEVQ	Dave	Brunswick	KDØBUS	Len	Mora
KAØEVR	Chuck	Mora	KDØCI	Kenny	Ogilvie
KAØEXL	Carolyn	Mora	KDØFLP	Keith	Page
KBØHDA	Tim	Braham	KDØGIG	Danielle	Milaca
KCØDDV	Darryl	Milaca	KDØHLL	Joe	Mora
KCØEQE	Jim	Onamia	KDØLJX	Colter	Mora
KCØWMC	Monte	Isle	KØMJS	Mike	Santiago
KCØYBH	Mark	Mora	NNØAA	Terry	Hinckley
KCØYBX	Dave	Milaca	NØYR	John	Big Lake
KCØYUE	Aaron	Milaca	WBØOFB	Jerry	Cloverdale

Stations serving as Net Controls during the period are highlighted in **BLUE**.

M.O.R.A. Holiday and Awards Party Rescheduled

The Mora Open Repeater Association has rescheduled its annual “Christmas Party and Annual Awards Ceremony” for 6 PM on Friday February 4th at Freddie’s in Mora. A winter storm forced the postponement of the party that was originally scheduled for Saturday December 11th.

"Cabin Fever Reliever "

Mid-Winter Hamfest

Sponsored by the St. Cloud Amateur Radio Club

Saturday, February 19, 2011

9am 'til 1pm

Vendors Welcome at 7 am

St. Cloud Armory

1710 8th St. N

GPS: N 45 33.916 W -94 10.588

Talk-in: 147.015+ Tone = 100 Hz

(backup is 146.940-)

Prizes:

\$25 drawn at 10am

\$50 at 11am

\$100 drawn at Noon

10 am & 11 am drawings must be present to win

On-site VE testing - 10 am-Noon; New licenses and upgrades Remember to bring any C.S.C.E's, a copy of your existing license, pencil, and a photo ID for testing.

Admission: \$6 per person

Tables: \$16; or \$8 BYOT (Note price changes for 2011)**

All swap table vendors will be required to provide either a completed MN Department of Revenue sales tax form ST-19 or a personal sale exemption statement before setting up. Forms will be available at the civic center at time of registration.

Table Reservations: To reserve a table contact Art Carlson by e-mail at wa0njr@hotmail.com A limited number of tables are available on a first come, first served basis. Table reservations will only be held until 9:00am, unless other arrangements are made.

Note: You may not setup your table until you have paid for your admission, table fee and provided the required tax form!

Please bring your own power cords, if you need one.

Chili, Hot Dogs, Pop, Coffee and a Variety of Bake sale items available

GOT A NEWSWORTHY RADIO RELATED ITEM TO SHARE?

GOT AN IDEA WORTH TRYING?

ARE YOU EXPERIMENTING? NEED HELP WITH SOMETHING?

PASS THEM ALONG - LET KDØCI RADIO NEWSLETTER READERS KNOW!

REGIONAL REPEATER AND NET INFORMATION – Updated January 15th 2010

The following is a list of all known VHF/UHF repeaters and major nets within the Newsletter coverage area. The list is continuously updated, and is published every three months for the convenience of our readers. Information regarding additions, corrections and/or updates to this list would be appreciated and welcomed.

VHF REPEATERS

<u>LOCATION</u>	<u>FREQUENCY</u>	<u>OFFSET</u>	<u>PL TONE</u>	<u>CALL SIGN</u>	<u>NOTES</u>
Aitkin	146.805	Minus	156.7	KCØQXC	
Aitkin	147.360	Plus	203.5	NØBZZ	Skywarn Link Pending
Balsam Lake	147.195	Plus	110.9	N9XH	Skywarn
Becker	147.345	Plus	85.4	KØOS	Skywarn Hub [to KØMPX]
Big Lake	146.775	Minus	None	NØRPP	
Brainerd	145.130	Minus	None	WØUJ	
Brainerd	147.225	Plus	None	WØUJ	
Cambridge	146.640	Minus	146.2	WRØP	Skywarn
Crown	145.210	Minus	114.8	NØGEF	
Duluth	146.940	Minus	103.5	WØGKP	Skywarn
Elk River	146.970	Minus	None	KØCJD	Skywarn
Foley	147.075	Plus	85.4	KBØPXT	Skywarn, REACT
Forest Lake	146.730	Minus	114.8	KØHPY	
Foreston	146.745	Minus	107.2	NØGOI	
Giese	146.865	Minus	146.2	KBØQYC	
Isle	146.610	Minus	141.3	WBØSYO	
Little Falls	147.135	Plus	123.0	WØREA	
Mahtowa	147.000	Minus	103.5	NØBNG	Skywarn [Linked to Duluth]
Milaca	145.350	Minus	None	WBØMPE	
Ogilvie	147.240	Plus	146.2	KDØCI	Skywarn [Link to Duluth pending]
North Branch	147.315	Plus	91.5	KCØASX	
Proctor	147.330	Plus	151.4	NØBZZ	
Rush City	145.330	Minus	146.2	KØECM	
Siren	146.625	Minus	110.9	N9PHS	
St Cloud	146.835	Minus	85.4	NØOYQ	Skywarn
St Cloud	146.940	Minus	None	WØSV	
St Cloud	147.015	Plus	100.0	WØSV	Central Region Emergency Net
Superior	146.760	Minus	110.9	K9UWS	

UHF REPEATERS

Becker	443.475	Plus	85.4	KBØRRN
Big Lake	443.600	Plus	114.8	NØJOH
Brainerd	444.925	Plus	None	WØUJ
Cambridge	443.975	Plus	114.8	WRØP
Crown	442.925	Plus	127.3	NØGEF
Duluth	444.100	Plus	None	WØGKP
Forest Lake	442.050	Plus	114.8	NØODK
Foreston	443.675	Plus	114.8	NØGOI
Hinckley	444.575	Plus	146.2	NØBZZ
Isanti	443.325	Plus	146.2	KBØQYC
Little Falls	443.125	Plus	123.0	KAØJSW
North Branch	443.875	Plus	146.2	KØDMF
St Cloud	442.225	Plus	85.4	WØSV
St Cloud	444.350	Plus	None	KTØS
Tamarack	443.200	Plus	114.8	NØBZZ

REGIONAL EMERGENCY, SKYWARN, & PACKET FREQUENCIES

Eastern Minnesota Emergency [Simplex]: 146.565 MHz

Regional [Packet]: 145.670 MHz

National Weather Service [Duluth KØNWS]: See listing above. 75 Meter Skywarn Net: 3810 KHz LSB, Alternate: 3820 KHz LSB.

National Weather Service [Minneapolis/Chanhassen KØMPX]: See listing above.

MAJOR REGIONAL HF AND VHF AMATEUR RADIO NETS

CENTRAL REGION EMERGENCY HOSPITAL NET

First Wednesday of every month @ 1 PM – 147.015 [WØSV Repeater – St Cloud]

EASTERN MINNESOTA EMERGENCY SIMPLEX NET [EMESNET]

Every Tuesday @ 7 PM – 146.565 MHz Simplex [Note: See schedule below for individual session details]

ISANTI COUNTY SKYWARN NET

Every Tuesday @ 8:30 PM – 146.640 [WRØP Repeater – Cambridge]

SHERBURNE COUNTY ARES NET

Every Monday @ 7:30 PM – 146.970 [KØCJD Repeater – Elk River]

NORWESCO ARES/RACES NET

Every Wednesday @ 9:00 PM – 146.625 [N9PHS Repeater – Siren, and other NORWESCO Repeaters]

BADGER WEATHER NET –

Daily @ 7:15 AM – 3982.5 KHz LSB [Net Manager: W9IXG]

EAST CENTRAL MINNESOTA AMATEUR RADIO CLUB NET –

Every Monday Evening @ 8 PM – 145.330 MHz [KØECM Repeater - Rush City]

MINNESOTA SECTION [CW] NET

Twice Daily: @ 6:30 PM and 9:50 PM – 3568 KHz [Net Manager: KØWPK].

MINNESOTA SECTION PHONE NET

Twice Daily: @ 12 Noon [Net Manager: WØWVO] and @ 5:30 PM - 3860 KHz LSB [Net Manager: WOØA].

PICONET ALL DAY WATCH

9 to 11 AM Monday thru Saturday and 4 to 5 PM Monday thru Friday – 3925 KHz LSB [Net Manager: KAØIZA]

POLK COUNTY AMATEUR RADIO ASSOCIATION NET

Monday @ 9 PM – 147.195 MHz [N9XH Repeater – Balsam Lake]

UPPER MIDWEST TEN METER NET

Every Thursday Evening @ 8 PM – 28.480 MHz USB [Net Manager: KBØHDA]

WISCONSIN SIDEBAND NET

Daily @ 5:15 PM – 3985 [or 3982.5] KHz LSB [Net Manager: KB9KEG]

Upcoming EMESNET Schedule, Assigned Net Control, and Format

<u>DATE [@ 7 PM]</u>	<u>NET CONTROL</u>	<u>FORMAT</u>
February 1 st	KCØDDV	Normal Net Operations & Open Forum
February 8 th	KCØVZA	Formal Traffic Training
February 15 th	KDØBUS	Normal Net Operations & Open Forum
February 22 nd	KDØCI	Normal Net Operations, Open Forum, & Ogilvie Repeater Test
March 1 st	KCØYBX	Normal Net Operations & Open Forum
March 8 th	KCØDDV	Formal Traffic Training
March 15 th	KCØVZA	Normal Net Operations & Open Forum
March 22 nd	KDØCI	Normal Net Operations, Open Forum, & Ogilvie Repeater Test
March 29 th	KAØAJF	Normal Net Operations & Open Forum
April 5 th	KDØBUS	Normal Net Operations & Open Forum
April 12 th	KCØYBX	Formal Traffic Training
April 19 th	KCØDDV	Normal Net Operations & Open Forum
April 26 th	KDØCI	Normal Net Operations, Open Forum, & Ogilvie Repeater Test

Net Control assignments subject to change.

VE TESTING & HAMFESTS – Courtesy of ARRL & Other Sources

EVENTS SHOWN ARE THOSE IN OR NEAR EASTERN MINNESOTA AND NORTHWESTERN WISCONSIN

UPCOMING VE TESTING SESSIONS

Saturday February 5th

Sponsor: St Paul Radio Club **Time:** 9:00 AM (Walk-ins allowed)

Contact: Leon H. Dill [651] 688-9964 **Email:** lhfill@comcast.net **VEC:** [ARRL/VEC](#)

Location: Roseville City Hall Complex Fire Station, 2660 Civic Center Drive, St Paul, Minnesota 55113-1815

Saturday February 12th

Sponsor: Anoka County Radio Club **Time:** 9:00 AM (Walk-ins allowed)

Contact: Paul K. Shepherdson [651] 340-0567 **Email:** 3shep@comcast.net **VEC:** [ARRL/VEC](#)

Location: 10801 Town Square Drive, Blaine, Minnesota 55014

Saturday February 12th

Sponsor: St Cloud Radio Club **Time:** 10:00 AM (Walk-ins allowed)

Contact: Art Carlson, WAØNJR **Email:** wa0njr@hotmail.com **VEC:** [ARRL/VEC](#)

Location: St Cloud National Guard Armory, 1710 8th Street North, St Cloud, Minnesota 56301

UPCOMING EVENTS

2011 Regional Event Calendar:

Saturday February 19th - Cabin Fever Reliever - St Cloud Minnesota
[Details on Page 5 - Provided by Phil Jorgensen, N1ARM]

Saturday March 26th - Midwinter Madness - Buffalo Minnesota

Saturday April 9th - Minnesota Skywarn Workshop - Minneapolis Minnesota

Saturday May 7th - Arrowhead Radio Amateur Club Hamfest - Superior Wisconsin

Saturday July 23rd - Magic Repeater Yard Sale - St Paul Minnesota

Saturday July 23rd - Brainerd Area Hamfest - Brainerd Minnesota

Saturday September 10th - Rush City Radio Rendezvous - Rush City Minnesota

Sunday September 25th - Carlton County RACES Fallfest - Carlton Minnesota

2011 MINNESOTA SKYWARN WORKSHOP

Saturday April 9th 2011

University of St Thomas, Minneapolis Campus

Plan now to attend

Details at www.mnskywarnworkshop.org

THE KDØCI NEWSLETTER

MARKETPLACE

NOTE: This newsletter is ALWAYS looking for your input regarding items available for sale, especially those items that may be of special interest to our newest Hams. If you have an item or items for sale, or if you are looking for a particular piece of gear or accessory, by all means send me the information so it can be published in this newsletter. The Newsletter will not be responsible for operating defects or failures of the items being sold, relying strictly on the integrity of Amateurs themselves to conduct their business honorably.

FOR SALE ITEMS *****

24 Amp Power Supply Kit & Miscellaneous Parts.
Also, on eBay: Compact Presario Computer, Desktop Tower, 1.9 GHz, 40 gb hard drive, 256 mb memory
Contact: Terry NØGOI n0goi@amsat.org or visit <http://stores.ebay.com/cmradios-Magic-Electronic-Parts>

Spi-Ro VS-64 160-10 meter sloper with PB-1 current type Pro-Balun. Add a ground rod, run your coax and launch the other end into a tree or tower and you're on 160 through 10 without an antenna tuner. \$135 new, yours for - \$50
Yaesu FL-2100B HF amp 80-10 meters – excellent condition - \$400
Boxer muffin fan 4 ¾" X 4 ¾" 115 volts - \$5 OBO
Memorex external USB CD rewritable drive, 40X read/write speed - \$10
Heathkit HW-30 2 meter AM transceiver, "Twoer" - \$25 OBO
Heathkit HW-8 QRP CW XCVR 80-15 meters - reconditioned - \$75 OBO
200 pin DDR SODIMM notebook memory 256 MB X 2 - \$10

WANTED - Rohn TB3 - 2" thrust bearing, 3 – 10' Rohn 45G tower sections, accessory (rotor) plate for 45G (AS455G) and bearing shelf for 45G (BPL45G).
Contact: Curt Hewitt - NØOK - 612-382-8991 or curt@n0ok.com Located 5 miles S.E. of Milaca.

ITEMS AVAILABLE FOR USE *****

½ Wave Ringo Ranger Vertical, fully assembled. Contact Dave KAØEVQ on the Tuesday Night Net.

MISCELLANEOUS *****

Cushcraft AR270B Dual Band [2 meter/70 centimeter] Vertical Base Station Antenna. Very Good condition. \$60.
Note: They sell new for over \$160!

Contact Kenny Broshofske, KDØCI at kd0ci@arrl.net

CALLING ALL TECHS! GET INTO THE HF BANDS!
CHECK IN THE UPPER MIDWEST 10 METER NET!
Thursday @ 8 PM Central Time - 28.480 MHz USB - with Net Control KBØHDA

REGIONAL AMATEUR RADIO CLUB & ORGANIZATION WEBSITES OR CONTACT INFO

NOTE: If you are in our regional coverage area {listed below} and your organization is not listed here, let me know.

EASTERN MINNESOTA -

ANOKA COUNTY RADIO CLUB – www.anokaradio.org
ARROWHEAD RADIO AMATEURS CLUB – www.thearac.org
BEARGREASE AMATEUR RADIO COALITION – www.beargreasearc.com
BRAINERD AREA AMATEUR RADIO CLUB – www.brainerdham.org
EAST CENTRAL MINNESOTA AMATEUR RADIO CLUB – www.ecmarc.org
ISANTI COUNTY SKYWARN – www.isantiskywarn.org
LAKE SUPERIOR AMATEUR COALITION – www.lisacrepeaters.org
MAGIC REPEATER GROUP – www.magicrepeater.net
MINNESOTA ARES - <http://www.minnesotaares.org/>
MORA OPEN REPEATER ASSOCIATION – morahamradio@gmx.com
SHERBURNE COUNTY ARES – www.shercoares.org
ST CLOUD AMATEUR RADIO CLUB – www.w0sv.org
STILLWATER AMATEUR RADIO ASSOCIATION – www.radioham.org
ST PAUL RADIO CLUB – www.stpaulradioclub.org
TWIN CITY FM CLUB – www.tcfmc.org

NORTHWESTERN WISCONSIN -

POLK COUNTY AMATEUR RADIO ASSOCIATION – www.n9xh.org
NORWESCO [BURNETTE, SAWYER & WASHBURN COUNTIES] WISCONSIN - <http://fp1.centurytel.net/norwesco/>
ST CROIX VALLEY RADIO AMATEURS – www.pressenter.com/~scvra
UNIVERSITY OF WISCONSIN/SUPERIOR AMATEUR RADIO CLUB – www.uwsuper.edu
WISCONSIN ARES/RACES - <http://www.wi-aresraces.org/>

KDØCI RADIO NEWSLETTER REGIONAL COVERAGE AREA

The following counties in Eastern Minnesota and Northwestern Wisconsin are considered to be within the regional coverage area of the KDØCI Radio Newsletter.

In Minnesota: Coverage area includes all or portions of the following eighteen counties:

Aitkin [Southern Half], Anoka, Benton, Carlton, Chisago, Crow Wing [Southeast Quarter including the city of Brainerd], Hennepin [North and Northwest Suburban], Isanti, Kanabec, Mille Lacs, Morrison [Eastern Half including the city of Little Falls], Pine, Ramsey [North Suburban], Sherburne, St Louis [City of Duluth and Suburbs], Stearns [City of St Cloud and Suburbs], Washington, and Wright.

In Wisconsin: Coverage area includes all or portions of the following four counties:

Burnette, Douglas [Southwestern Half including the city of Superior], Polk, and St Croix [Northwestern Quarter].

ABOUT THIS NEWSLETTER

The **KDØCI Radio Newsletter** is a free, independent Amateur Radio information publication for Eastern Minnesota and Northwestern Wisconsin, and is distributed monthly [or more frequently if required] by email to amateur radio operators and clubs, public service officials, and other interested parties. The intent is to provide balanced coverage as much as possible in order to keep interested parties throughout the region and elsewhere informed. The extent of that coverage depends on input from individuals and clubs throughout the region. Since it began in 2006, the Newsletter has grown to where it currently enjoys a wide distribution to individuals, and any or all interested groups. Permission is granted to subscribers to reprint this newsletter for distribution to others. Material herein may be used as long as this newsletter is referenced as the source, or sources within the newsletter are credited.

Your comments, questions, etc for this newsletter are always welcome. Send your comments, as well as any “newsworthy” or “for sale” items for inclusion to either of my email addresses. **Deadline for submitting material for the Newsletter - including ads, is the 20th of the month** [submittals subject to editing]. Primary Email Address: kd0ci@arrl.net [proxy server for kdzeroci@q.com] Alternate: kd0ci@yahoo.com

