
KDØCI's Radio Newsletter

Volume 4 Number 4 - [Supporting Amateur Radio in Eastern Minnesota & Northwest Wisconsin](#) - April 25, 2009

REGIONAL HAMS RESPOND TO FLOODS

On Tuesday March 24th 2009, a call was issued by the Red River Radio Amateurs for volunteers to help with disaster communications as the flood threat in communities and the countryside along and near the Red River Valley became critical.

Among the Amateur Radio volunteers from our region who answered the call were members of Sherburne County ARES. They traveled to Fargo North Dakota, unsure of exactly what to expect.

"We came prepared to survive alone and unassisted out in the country watching the river run thru it," Rob Youcha, KCØWEO, a member of the crew reported, "but we were given a cushy assignment by the Cass County Sheriff. We slept in our Motorhome and worked in the dispatch center."

In his followup report, Youcha said that communications for the crew were already in place when they arrived.

"After we arrived, we met with Cass County Sheriff Laney. He specifically asked us to set up at the West Fargo Police Department to prepare for evacuation of the main EOC, which did happen. There were 2 Yaesu FT-2600 radios there for Skywarn operations by the *Red River Amateurs* that just needed to be powered up and we were good to go."

Youcha went on to report just how massive an effort this was.

"This was absolutely a critical public safety and property damage operation, involving every agency in existence. The Border Patrol, Customs, North and South Dakota State Police, US Coast Guard boats, choppers and C130's doing air drops and reconnaissance, National Guard helicopters were working on the Minnesota side of the border. County and city LEO's from nearby and far away worked with government and private rescue organizations with airboats, hovercrafts and technical rescue groups. [It was] a very impressive response. I am sure I missed a few."

Youcha also provided a few details about some of the rescue efforts.

"Helicopter lift evacuations were common because of the swift current. Those evacuated went to airports as the first choice, hospitals or heli-spots. I am hoping we are invited to the debriefing. I had an experienced ham with me and I know the EMS rescue sector."

"After a couple of days we got some relief which was not needed, so we went to relax in the RV with our feet up."

Ben Ramler, KØBLR, also deployed from St Cloud to Moorhead and reported being assigned to watch along the Red River for breaks in the dykes.

A crew from Milaca also deployed to the flood zone, however they ran into logistical problems and had to return home.

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

NEWS FROM OUR REGION AND ELSEWHERE

Volunteers Needed For 2009 BikeMS Events, Including MS150 Bike-A Thon

By Dean Blosberg, NØHOY

Radio communications volunteers are requested to assist with the 2009 BikeMS bicycle rides. There are 3 different events. The Twin Cities Ride is a one day tour on Saturday, May 9th starting and ending at Maplewood Community Center. The MS150 is on Saturday June 13 and Sunday June 14. The route is from Duluth to the Twin Cities with an overnight layover in Hinckley. The third tour is the MS TRAM, a week long tour July 27-31 from Ortonville to Welch. Please visit the MS Society website at www.mssociety.org for further event details.

Radio operators are needed to help support the tours. We are seeking riders and volunteers in all capacities to support these events. Amateur radio operators are requested to help with communications in rest stops, first aid stations, intersections, support vehicles and other positions, as well as for the promotion of amateur radio. Please visit our radio communications volunteer's website at www.ms-scrum.org for more details.

ARES members, these are excellent opportunities to brush up on your skills and dust off your emergency equipment as these are field operations. These are events that really can test you and your communications equipment under disaster type situations.

If interested in participating as a rider or volunteer, please contact the National Multiple Sclerosis Society, Minnesota Chapter at (612) 335-7900 or 1-800-FIGHT-MS. Please let them know you are an amateur radio operator.

RESULTS OF "SPECIAL SKYWARN" EMESNET SESSION MIXED

The future for Special "Skywarn" sessions of the Eastern Minnesota Emergency Simplex Net is uncertain in the wake of the Tuesday March 31st net session. It was the first such session in the three year history of the net, and the results were mixed. KDØCI was NCS for the session, which originated from the Kanabec Hospital in Mora. Also participating was KØMPX, the Amateur Radio Station at the National Weather Service Office in Chanhassen.

The purpose of this session was to determine how effectively spotters can transmit weather information to net control for relay to the National Weather Service via two meter simplex. If any of the regions repeater systems were to fail during severe weather outbreaks, simplex operations might have to be relied on to fill in the void. Depending on how the results are interpreted, there were some positives and some negatives.

Among the negatives was a double whammy of bad weather conditions. A late winter storm combined with flooding in the region may have reduced operator participation. Some of the region's Hams were deployed to flood zones, thus were not available. In northern and eastern sections of the coverage area, icing may have prevented Hams in those areas from participating. One station from that area, AB9AC, reported into the net at reduced power due to icing and high SWR.

While the two meter band conditions were not at their worst, they were not the best either as precipitation of varying types and intensities falling in the region during the net had an adverse effect. However, the effect of band conditions on communications could be interpreted as a positive, as these same conditions would likely be encountered during severe weather outbreaks. The fact that Net Control could maintain contact with the National Weather Service - a 75 mile stretch - in such conditions, should be viewed as a positive.

Another issue was that while 20 stations in four counties participated, eighteen counties had no representation. Again, this may have been due in some part to the deployment of Amateurs to flood zones, as well as weather conditions in many parts of the region.

KDØCI issued a net report to the National Weather Service Offices in Duluth and Chanhassen for their review and comments. A favorable response was received from John Wetter, KØDWJ, of Metro Skywarn who summarized by saying that the Chanhassen office was able to receive the Kanabec Hospital station quite well.

Any decision to try this exercise on the net again next year will ultimately depend in large part on additional responses received from the National Weather Service Offices in Duluth and Chanhassen.

Mora Tower Ordinance Update

A continuation of the discussion for the proposed Antenna/Tower Telecommunications Ordinance in the city of Mora will likely be on the agenda during the upcoming April 27th meeting of the City Planning Commission.

An anonymous report has the commission giving serious consideration to favorable modifications to the ordinance for Amateur Radio stations in the city as a result of input provided by area Amateurs to the commission during the March 3rd meeting. A full report of the April 27th proceedings will appear in the May issue of the newsletter.

Updated Skywarn Training Schedule

Since last published in the newsletter, both the Duluth and Minneapolis/Chanhassen Offices of the National Weather Service have added Skywarn Seminars to be held in our region.

The Chanhassen Office has added a seminar at the Public School Auditorium in Isle for Thursday May 7th at 6:30 PM.

Duluth has added two seminars to be presented at Grand Casino Mille Lacs, located north of Onamia. Both will be on Monday May 11th with afternoon seminars at 1 PM and at 4 PM.

The remaining Skywarn Seminar schedule for our region is shown below.

2009 REGIONAL SKYWARN SPOTTER TRAINING SCHEDULE					
The following is a list of Skywarn Training Seminars scheduled within the KDØCI Radio Newsletter coverage area.					
Information courtesy of Metro Skywarn, NWS Minneapolis & NWS Duluth. For additional listings, see Note 3 below.					
Date	Location & Time		Address & Contact Information	Presented By	Pre Reg*
Saturday April 25	Hudson Wisconsin	9:00 AM	County Government Center, 1101 Charmichael Road Jason Winget [715] 441-2316	NWS Minneapolis	
Monday April 27	Askov Minnesota	6:30 PM	City Hall, 6369 Kobmagergade carol.christenson@noaa.gov	NWS Duluth	
Tuesday April 28	Webster Wisconsin	6:30 PM	Jackson Fire Hall, 4599 County Road A carol.christenson@noaa.gov	NWS Duluth	
Thursday April 30	Willow River Minnesota	7:00 PM	Northern Pine Riders Snowmobile Club, 3008 County Road 43 carol.christenson@noaa.gov	NWS Duluth	
Thursday April 30	Lindstrom Minnesota	7:00 PM	St Bridget's Catholic Church, 13060 Lake Blvd Ed LaPlante [651] 257-1313	NWS Minneapolis	
Thursday May 07	Isle Minnesota	6:30 PM	Isle Public School Auditorium, 730 5th Avenue South David Miller [320] 676-3421	NWS Minneapolis	
Saturday May 09	Blaine Minnesota	12:00 PM	Blaine City Hall, 10801 Square Drive kc0kep@arrl.net	Metro Skywarn	
Monday May 11	Onamia Minnesota	1:00 PM	Grand Casino Mille Lacs, 777 Grand Avenue [Off US Hwy 169] carol.christenson@noaa.gov	NWS Duluth	
Monday May 11	Onamia Minnesota	4:00 PM	Grand Casino Mille Lacs, 777 Grand Avenue [Off US Hwy 169] carol.christenson@noaa.gov	NWS Duluth	
Wednesday May 13	Linwood Minnesota	7:00 PM	Linwood Township Fire Dept, 22817 Typo Creek Drive Jim Stockinger [651] 757-2164	NWS Minneapolis	
<p>Pre Reg* Pre-Registration is required where noted in the column.</p> <p>Note 1 Training specifically for Northwestern Hennepin, Wright and Sherburne County spotters.</p> <p>Note 2 Pre-registration required due to very limited seating.</p> <p>Note 3 For additional information on Skywarn Training Seminars, please visit the following websites:</p> <p style="padding-left: 40px;">Metro Minneapolis/St Paul www.metroskywarn.org/sked.html</p> <p style="padding-left: 40px;">NWS Minneapolis www.crh.noaa.gov/mpx/skywarnSchedule.php</p> <p style="padding-left: 40px;">NWS Duluth https://apps.weather.gov/outreach/events.php</p>					

REGIONAL AMATEUR RADIO CLASS & TEST RESULTS

Seven students successfully completed the Amateur Radio Class held at Ogilvie by passing their Technician Class exams. In addition, two other area Technicians attended the exam session and upgraded their licenses to General class. The Ogilvie classes were Monday April 13th and Tuesday April 14th. The exam session was held Wednesday April 15th and was administered by the Volunteer Exam crew from Sherburne County.

Meanwhile at St Cloud, an all day class and exam session held on Saturday April 18th yielded five new Technicians. There was also an upgrade from Tech to General at the session, which was sponsored by the St Cloud Amateur Radio Club.

EMESNET HONOR ROLL – FIRST QUARTER 2009

Thirty seven stations participated in the Eastern Minnesota Emergency Simplex Net during the first quarter of 2009. Total QNI for the 13 sessions was 194, for an average of nearly 15 check-ins per session.

AB9AC	Dave	Superior [Wisc]	KDØBUS	Len	Mora
ACØLL	Bruce	Milaca	KDØBUT	Joan	Mora
KAØAJF	Mary	Ogilvie	KDØCI	Kenny	Ogilvie
KAØEVQ	Dave	Brunswick	KDØDXI	Nicole	Milaca
KAØEVR	Chuck	Mora	KDØFEO	Eddie	Monticello
KAØEXL	Carolyn	Mora	KDØFHL	Pete	Milaca
KBØHDA	Tim	Braham	KDØFUT	Will	Milaca
KBØNMN	Kevin	Foley	KDØFUU	Mike	Milaca
KCØDDV	Daryl	Milaca	KDØFUZ	Mitch	Milaca
KCØEQE	Jim	Onamia	KG4VAN	Nancy	Milaca
KCØVSN	Toby	Foley	KØMJS	Mike	Santiago
KCØWEO	Rob	St Francis	KØMPX	NWS	Chanhassen
KCØWMC	Monte	Isle	N1ARM	Phil	St Cloud
KCØYBH	Mark	Mora	NDØM	Don	Milaca
KCØYBX	Dave	Milaca	NØYR	John	Big Lake
KCØYLF	Sara	Ogilvie	WBØOFB	Jerry	Cloverdale
KCØYUE	Aaron	Milaca	WØJLF	Jim	North Branch
KDØBUO	Gene	Mora	WØTCS	Tim	Rush City
KDØBUQ	Jim	Mora			

[BLUE](#) = Net Control Stations

[GREEN](#) = National Weather Service Stations

LATE SPRING & SUMMER EMESNET SCHEDULE AND TRAINING SESSIONS

April 28th	Emergency Services Net Session from Kanabec Hospital
May 5 th	Normal Net Operations & Open Forum
May 12th	Formal Traffic Training
May 19 th	Normal Net Operations & Open Forum
May 26th	Emergency Services Net Session from Kanabec Hospital
June 2 nd	Normal Net Operations & Open Forum
June 9th	Formal Traffic Training
June 16 th	Normal Net Operations & Open Forum
June 23rd	Emergency Services Net Session from Kanabec Hospital
June 30 th	Normal Net Operations & Open Forum
July 7 th	Normal Net Operations & Open Forum
July 14th	Formal Traffic Training
July 21 st	Normal Net Operations & Open Forum
July 28th	Emergency Services Net Session from Kanabec Hospital
August 4 th	Normal Net Operations & Open Forum
August 11th	Formal Traffic Training
August 18 th	Normal Net Operations & Open Forum
August 25th	Emergency Services Net Session from Kanabec Hospital

REGIONAL INFORMATION – Print and post in your shack

TWO METER REPEATERS – Updated April 20th 2009

<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	
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	
Crown	145.230	Minus	127.3	NØGEF	Skywarn
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
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
North Branch	147.315	Plus	91.5	KCØASX	
Princeton	146.895	Minus	203.5	NØRPP*	*Custodial Change Pending
Rush City	145.330	Minus	146.2	KØECM	
Siren	146.625	Minus	110.9	NØPHS	
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	

REGIONAL EMERGENCY & SKYWARN FREQUENCIES

Eastern Minnesota [Simplex]: 146.565 MHz

National Weather Service [Duluth KØNWS]:

Northland Skywarn: Mahtowa 147.000 MHz, Ogilvie 147.240 MHz [Link to Duluth pending].

75 Meter Skywarn Net: 3810 KHz LSB, Alternate: 3820 KHz LSB.

National Weather Service [Minneapolis/Chanhassen KØMPX]:

Skywarn: Cambridge 146.640 MHz, Sauk Rapids 146.835 MHz, Foley 147.075 MHz, Elk River 146.970 MHz

Regional [Packet]: 145.670 MHz

MAJOR REGIONAL AMATEUR RADIO NETS

EASTERN MINNESOTA EMERGENCY SIMPLEX NET [EMESNET]

Every Tuesday @ 7 PM – 146.565 MHz Simplex [Note: See schedule on Page 4 for individual session details]

CENTRAL REGION EMERGENCY HOSPITAL NET

First Wednesday of every month @ 1 PM – 147.015 [WØSV Repeater – PL 100.0 Hz, St Cloud]

SHERBURNE COUNTY ARES NET

Every Monday @ 7:30 PM – 146.940 [KØCJD Repeater – Elk River]

UPPER MIDWEST TEN METER NET

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

EAST CENTRAL MINNESOTA AMATEUR RADIO CLUB NET –

Every Monday Evening @ 8 PM – 145.330 MHz [KØECM Repeater - PL 146.2 Hz, Rush City]

MINNESOTA SECTION PHONE NET

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

WISCONSIN SIDEBAND NET

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

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 May 2nd 2009

Sponsor: St Paul Radio Club

Time: 9:00 AM (Walk-ins allowed)

Contact: David M Buending [952] 486-0836

Email: AD2B@ARRL.NET

VEC: ARRL/VEC

Location: Roseville City Hall

2660 County Road C

NW Corner County Road C & Lexington Avenue

Roseville, Minnesota 55101

Saturday May 2nd 2009

Sponsor: Arrowhead Radio Amateur Club

Time: 10:00 AM

Contact: Doug Nelson [218] 626-2590

Email: arac_hamfest@charter.net

VEC: ARRL/VEC

Location: Head Of The Lakes Fairgrounds

4700 Tower Avenue [Wisconsin State Highway 35]

Superior Wisconsin 54880

Thursday May 7th 2009

Sponsor: Stillwater Amateur Radio Association

Time: 7:00 PM (Walk-ins allowed)

Contact: Sheldon E Mann [651] 439-1272

Email: N0DRX@ARRL.NET

VEC: ARRL/VEC

PRE-REGISTRATION PREFERRED!

Location: Boutwells Landing

13575 58th Street North

Oak Park Heights, Minnesota 55082

Saturday May 9th 2009

Sponsor: Anoka County Radio Club

Time: 9:00 AM (Walk-ins allowed)

Contact: Paul K Shepardson [651] 340-0567

Email: N0NMZ@ARRL.NET

VEC: ARRL/VEC

Location: WWW.CI.BLAINE.MN.US/_DOCS/DIRECTIONS.PDF

Blaine City Hall

10801 Town Square Drive

Blaine, Minnesota 55014

Saturday May 23rd 2009

Sponsor: Sherburne County ARES

Time: 8:30 AM (Walk-ins allowed)

Contact: John Smolenski, NØYR [763] 263-8741

Email: n0yr@arrl.net

Location: Elk River American Legion Hall

525 Railroad Drive

Elk River, Minnesota

FLEA MARKET

NOTE: This newsletter is ALWAYS looking for 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, 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 in an honorable way.

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>

Cushcraft A3S Yagi (10-15-20 meters). This antenna has been the work horse for my HF operation for the past 20 years and works as good now as when first installed. It's been well cared for and looks great. I will have it off the tower around the end of May or beginning of June. It comes with the construction and data sheet, but you will need to add a 1:1 balun for the best operation. I'd suggest a Radio Works 1:1 current type balun which should cost about \$50. Come on over and pick this up for **\$125** cash.

HP Deskjet 632C color printer - **\$5**

Envision 17" color monitor - **\$10**

Best Data 56K V.92 PCI modem - **\$5**

Digicom DI3635 56K V.92 PCI modem - **\$5**

Boxer muffin fan 4 3/4" X 4 3/4" 115 volts - **\$5**

QRP antenna tuner kit, 10 watt max, 3.5-30 MHz - **\$5**

Eimac 3-500Z triode amplifier tube – **\$50**

Power supply board from Dentron Clipperton-L amplifier, contains 8 - 1000uf, 500 VDC electrolytic capacitors - **\$10**

Memorex external USB CD rewritable drive, 40X read/write speed - **\$10**

Heathkit HW-30 2 meter AM transceiver, "Twoer" - **\$25**

200 pin DDR SODIMM notebook memory 256 MB X 2 - **\$10**

XM satellite radio - \$10

Spi-Ro VS-64 trapped sloper antenna, 160-10 meters, no antenna tuner needed - **\$50**

Contact: Curt Hewitt - NØOK - 612-382-8991. Located 5 miles S.E. of Milaca.

Panasonic PV-DAC11 AC Adapter & Battery Charger, complete with AC Power Cord and Energizer ER-C630 Heavy Duty Battery for Panasonic Digital Video Camcorder Models PV-GS9, PV-GS12, PV-GS14 or PV-GS15. Battery holds more than twice the charge of stock camera battery. Asking **\$15**.

Contact Kenny Broshofske, KDØCI, kd0ci@arrl.net

ITEMS AVAILABLE FOR USE *****

1/2 Wave Ringo Ranger Vertical, fully assembled. Contact Dave KAØEVQ on the Tuesday Night Net.

2006 ARRL OPERATORS MANUAL on CD, From KBØHDA. Contact KDØCI by email if interested.

THIS MONTH IN REGIONAL RADIO HISTORY

Three Years Ago – The humble beginnings of a two meter simplex net, with a focus on encouraging newly licensed Hams in Mille Lacs County to participate. Three stations in Mille Lacs and one in Kanabec County participate in the inaugural session of the Mille Lacs County Emergency Preparedness Net. The net eventually grows into a regional net, and the name is changed to the East Central Minnesota Emergency Preparedness Net.

Today the net is known as the Eastern Minnesota Emergency Simplex Net, and covers parts or all of a 22 county region in eastern Minnesota and northwestern Wisconsin.

UPCOMING HAMFESTS

Arrowhead Radio Amateur Club Swapfest - Saturday May 2nd 2009 - Superior Wisconsin.
Presented by: ARAC - www.thearac.org Information: arac_hamfest@charter.net
Location: Head Of The Lakes Fairgrounds - 4700 South Tower Avenue [Wisconsin Hwy 35].
Talk in on the WØGKP Repeater [146.940 MHz - 600, PL Tone 103.5 Hz]
VE Testing [ARRL VE Fee \$15], Flea Market, Food & Refreshment Concessions.
Testing Information, contact: Doug Nelson, AAØAW aa0aw@arrl.net

Brainerd Area Hamfest - Saturday July 18th - Brainerd Minnesota

MAGIC Repeater Group Annual Yard Sale - July 25th 2009 - St Paul Minnesota

REGIONAL AMATEUR RADIO CLUBS & ORGANIZATIONS

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
BRAINERD AREA AMATEUR RADIO CLUB - www.brainerdham.org
EAST CENTRAL MINNESOTA AMATEUR RADIO CLUB - info@ecmarc.org
MAGIC REPEATER GROUP - www.magicrepeater.net
MORA OPEN REPEATER ASSOCIATION - [morahamradio@gmail.com](mailto:moramradio@gmail.com)
SHERBURNE COUNTY ARES - www.shercoares.com
ST CLOUD AMATEUR RADIO CLUB - www.w0sv.org
STILLWATER AMATEUR RADIO CLUB - www.radioham.org
ST PAUL RADIO CLUB - www.stpaulradioclub.org

NORTHWESTERN WISCONSIN -

POLK COUNTY AMATEUR RADIO ASSOCIATION - www.qsl.net/kc9dmy
UNIVERSITY OF WISCONSIN/SUPERIOR AMATEUR RADIO CLUB - www.uwsuper.edu

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].

The intent of this newsletter is to provide balanced coverage as much as possible in order to keep interested parties throughout the region informed. Much of that coverage depends on input from individuals and clubs throughout the region. Over the years, this newsletter has grown to where it currently enjoys a wide distribution to individuals and other interested groups in an area ranging from within this region to as far away as the Philippine Islands!

SILENT KEY REPORT

The KDØCI Radio Newsletter deeply regrets:

The passing of Kathy Neeb, KDØAWL, of St Cloud who became a Silent Key on Saturday April 18th after a brief illness at the age of 56. She was a member of the Stearns County Skywarn and St Peter's Parish. Her funeral was this past Wednesday at St Peter's Church. *Note: Information provided by Phil Jorgensen, N1ARM*

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

PHOTO OP - THE MILACA AREA SKYWARN CREW



Left to Right: Mitch KDØFUZ, Aaron KCØYUE, Dave KCØYBX, Will KDØFUT, Mike KCØFUU, and future Ham, Dave Jr. Photo courtesy of KCØYBX, also known as "THE VOICE" of Milaca.

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. 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 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

73, Kenny Broshofske KDØCI