



# The BAARCeR



December 2010

For Anyone Interested in Amateur Radio

Page 1 of 8

**Club Call: WØUJ**

**BAARC REPEATERS**

53.110 MHz- 123.0 Hz  
 147.225 MHz +  
 145.130 MHz- Echo Link  
 Node number 233515  
 443.925 MHz + 110.9 Hz  
 Packet: 145.670 MHz  
 MNBRD, BRDBBS  
 144.390 WØUJ-5 APRS  
 Crosslake 147.030 MHz+  
<http://brainerdham.org>

**OFFICERS**

**President:**

Charles Lane **W5CCL**

**Vice President + WWW**

**Editor:**

Steven Mott **NØCRM**

**Secretary:**

Ron Finger **KØGOP**

**Treasurer:**

Doug Bergsnev **KDØERE**

**Director-at-Large:**

Roger Williams **WØWUG**

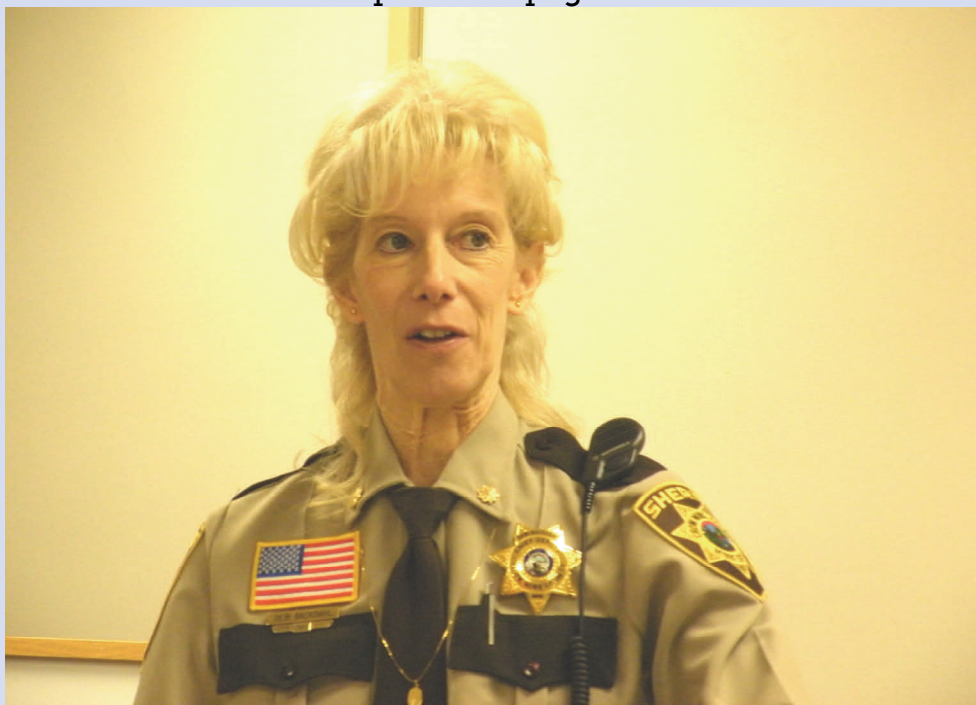
**Trustee + BAARCeR**

**Editor:**

Fritz Bertelt **WØKO**

**Debi Backdahl, Chief Deputy, Crow Wing County**

**Sheriff, Lauded our Ham Club:** The 26-year veteran in law enforcement said the goal of the Sheriff's office is helping people. Communications are always important as is accessibility. Our role as ham radio operators was praised for the many roles we play/ed in the greater community to support the efforts of the police. All of the events contribute to public safety. She stated that her department is always training/ planning for the unexpected: man-made and natural disasters. Luckily there are few. More text and photos on page 5.



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— **Events Calendar** —

- Sat., Dec. 4, Club Breakfast @ 9 @ Northwind Grille in Brd.**
- Thurs., Dec. 16, Board & Mbrship Mtg. @ 4 & 7 @ Fire Hall in Brd. Note: This is our Christmas Informal: Bring some goodies to share.**
- Sat., Dec. 18, Club Breakfast @ 9 @ Northwind Grille in Brainerd**
- Sat., Jan. 1, Club Breakfast @ 9 @ Northwind Grille in Brainerd**
- Sat., Jan. 15, Club Breakfast @ 9 @ Northwind Grille in Brainerd**
- Thurs., Jan. 27, Board and Membership Mtg. @ 4 & 7—Fire Hall**  
 Topic: Our Club Year in Review: Send photos to Lyle KØLFV
- Sat., Jan. 29—Winter Field Day**

## Thursday, November 18, 2010 – 4:00 PM - BAARC Board Meeting Minutes Brainerd Fire Station

**President:** Charles Lane, W5CCL

**Vice President:** Steve Mott, NØCRM

**Secretary:** Ron Finger, KØGOP

**Community & Special Events Co-Director:** Dave Fournier, KCØTGT

**Past President:** Al Doree, WØRC

**Past President:** Lyle Amundson, KØLFV

**Trustee & "BAARCer" Editor:** Fritz Bertelt, WØKO

President Charles W5CCL opened the meeting at 4:03 PM with 7 board members in attendance. A motion to accept the published minutes for October was approved. The Treasurer's Report was then presented by Charles for Doug KDØERE and approved following a motion by Lyle KØLFV and second by Steve NØCRM. Lyle informed the Board of further sales of donated equipment including the sale of the new tower and beam, which will be completed shortly.

**Digital & Emergency Communications:** Al WØRC reported that the Wadena Amateur Radio Club is holding a weekly net at 8:30 PM Sundays on 147.330+. He is continuing to work on adjustments to the future Gull Lake repeater equipment as time permits along with the rest of his many volunteer efforts for the Club. Approved and passed was a motion to provide \$50 for mouse-proofing the Gull Lake repeater site building.

**Upcoming Events:** Charles W5CCL has asked Steve NØCRM and Terry KIØFW to assist Dave KCØTGT in heading up the **Jaycee Ice Fishing Extravaganza** event on Saturday, January 22. Members are encouraged to bring treats for the **December Christmas Party Meeting** on Thursday, December 16, at the Brainerd Fire Hall.

**Old Business:** Dave KCØTGT has picked up the donated coax cable from Jim Larson KBØNKF for the Club, and will also pick up the donation of telephone cable that can be recycled by the Club.

**New Business:** Following a motion from Lyle KØLFV, and second by Steve NØCRM, approval was given to purchase a \$40 slot punch for the Club ID badges.

The Board Meeting was adjourned at 4:50 PM.

## Thursday, November 18, 2010 - 7:00 PM - BAARC Membership Meeting Minutes Senior Center, Brainerd

President Charles W5CCL opened the meeting at 7:00 PM with 18 members and guests present. Appreciation was expressed to Al WØRC for his efforts in finding a suitable meeting place on short notice after the fire Hall location was not available. A motion to accept the published minutes for October as approved, was made by Shirley KØDCW, seconded by Wynn KA3DQN, and passed. The Treasurer's Report was then presented by Doug KDØERE, and approved. Charles thanked Lyle KØLFV for his continuing work on the sales of donated equipment for the Club.

**Digital & Emergency Communications:** Al WØRC gave a report on the Wadena Amateur Radio Club repeater net and the work on the Gull Lake repeater. (See Board Meeting Minutes)

**Upcoming Events:** Dave KCØTGT is planning a Club station Special Event for February. Note the early Club meeting date of **December 16<sup>th</sup>**, to accommodate the Christmas holiday.

**Old Business:** Doug KDØERE has arranged for a CPA to do a Club financial audit. Fritz WØKO has completed the revised Club Membership Application.

**New Business:** Chris KDØLFA reported on a recent contact he made with the Aitkin County Persian Gulf Support Group. He wondered if the Club would be interested in participating in any of their various support efforts. Charles W5CCL will put this on the agenda for the January meeting and asked Chris to gather more information for that time. Nominations were closed for the election of BAARC Officers for 2011. With 13 ballots turned in at the meeting, and none by mail, the following unopposed candidates were re-elected: President—Charles Lane, W5CCL; Vice President—Steve Mott, NØCRM; Treasurer—Doug Bergsnev, KDØERE; and Secretary—Ron Finger, KØGOP. Elected for Director-at-Large was Lyle Amundsen, KØLFV.

The Membership Meeting was adjourned at 9:10 PM.

--Respectfully submitted by **Ron KØGOP**, Secretary

DX REPORT

As I sit down to type my newsletter offering, I'm reminded of the upcoming holidays and the true meaning of "Thanksgiving" that's approaching in a few days. I personally am thankful most of all for being an American. We're so fortunate to live in a country where we can pursue the American dream. Happy Thanksgiving to all of you! As for DX, well, there was plenty of good "stuff" out there as Cycle 24 did its dance with the SFI bouncing up and down. The wonderful worldwide opening that we experienced on 10 meters was akin to operating the band as we did at the apex of Cycle 23. This station worked all over the world during the 48 hours of a terrific band opening that brought out stations that haven't been heard from in years. What a gift the band can be when it's open. The iPad that was a birthday gift sits next to my HF station, and it has become an important recourse for both the DX cluster and an instant lookup on QRZ while chatting with the other station. The iPad operates at warp speed, whereas my laptop seemed to take forever—how spoiled we've become. DX has been good, but it has also been challenging, and for me that's where the fun is. Busting the pileup is an adrenalin rush. As winter approaches, DX is becoming better. Also as Cycle 24 continues to evolve, we can expect a lot of good things to happen in the world of DX. As promised, I'm enclosing the next 2 rules associated with proper use of our bands. **Rule Number 3:** I will not trust the cluster and will be sure of the DX station's call sign before calling. **Rule Number 4:** I will not interfere with the DX station nor anyone calling him and will never tune up on the DX frequency or in the QSX slot. The rules are just common sense, but sometimes we need to be reminded that the bands belong to all of us and not the chosen few. In closing, I'd like to remind you to sit down at your station and call CQ because someone somewhere out there is listening for your signal. Don't disappoint anyone of them. So long from Huntersville for now. 73 and good DX from **Bob/WØZPE**.

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Condolences: It is with sadness we report that Terri, XYL of John Luce (WØWY), passed away into the arms of the Lord on 11-27-10. She valiantly fought a 15-year battle with breast cancer. Our sincerest thoughts and prayers are with John and his family. A card from the Club has been sent.

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BAARC PUBLIC SERVICE AND EVENTS – 2011

- |                             |                              |
|-----------------------------|------------------------------|
| JAYCEES ICE FISHING CONTEST | SAT, JAN 22, 2011            |
| MID-MN 150 DOG SLED RACE    | SAT, FEB 12, 2011            |
| BRAINERD JAYCEES MARATHON   | SAT, APR 23, 2011            |
| MARCH OF DIMES WALK         | SAT, APR 30, 2011            |
| CROSBY MINE PITS CLEAN-UP   | WED, MAY 4, 2011             |
| BAARC SPRING DINNER         | THU, MAY 26, 2011            |
| TOUR OF THE LAKES BIKE RIDE | SAT, JUN 4, 2011             |
| BAARC FIELD DAY             | SAT & SUN, JUN 25 & 26, 2011 |
| BAARC HAMFEST               | SAT, JUL 9, 2011             |
| LAKES COUNTRY TRIATHLON     | SUN, AUG 21, 2011            |
| BAARC PICNIC & FOX HUNT     | SAT, AUG 27, 2011            |
| TOUR OF CUYUNA BIKE RIDE    | SAT, SEP 10, 2011            |
| GOBLIN WATCH                | MON, OCT 31, 2011            |

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Check in and try the 147.330+ Wadena-Sebeka Rptr. Net Sundays @ 2030—KØJO Rptr. TNX to Al WØRC for getting it on the air again.

**Congratulations and a Big Thanks to our Team of Four Re-elected Officers :** It is no easy chore to keep this organization going from month to month. Nevertheless, they agreed to serve again. Of course, we are all grateful for their selfless service. Also, a big thank you to **Lyle KØLFV**, who spearheaded the nominations effort again. By the way, Lyle was elected **Director-at-Large**. He is pictured on page 5.

Also, we thank the previous team—those appointed and elected—Roger WØWUG certainly comes to mind. Other appointments will be made soon to coincide with the 2011 calendar year. Again, thank you to all who serve in official (elective) capacities and to those also hardworking who serve in other vital Club roles.



Pictured here from left to right: Steve **NØCRM**—Vice President; Doug **KØØERE**—Treasurer; Charles **W5CCL**—President; and Ron **KØGOP**—Secretary. (Photo by WØKO)

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**Some Fill-In Notes:** Have you received your superbly made photo-ID badge yet from Ron KØGOP? When you pay your dues, come to a meeting and he will take your mugshot or send him your own. He can even make you look better than you really look!! HI! In addition, he can usually have a badge ready for you at the next gathering. Ron, thanks for this value-added service, all for the price of yearly dues!!!! **Program Ideas?** Get them to Steve NØCRM. Could you put on a program or have program contacts? **Upcoming Events:** The St. Paul Radio Club will hold its annual auction in January 2011. The “Cabin Fever Reliever” event is in St. Cloud on February 19, 2011. Further information is available at [www.ARRL.org](http://www.ARRL.org). Also, the annual Dayton Hamvention is scheduled for May 20-22, 2011.

**(Continued from page 1—from sketchy notes by Fritz WØKO.) Backdahl Presentation: The 800 MHz system is on schedule and will be tested in November 2011 with full implementation in March 2012. Although the system is expensive, it should greatly improve communications for all law enforcement in this county and the State. She said it is always a challenge to manage resources and manpower. With the Club's volunteer manpower (already highly trained) and the very portable equipment of its members, ham radio fills some big gaps when it comes to adding to public safety. Questions were asked/answered regarding greater involvement and cooperation between law enforcement and the Brainerd Area Amateur Radio Club. We communicated that we wanted to be included, much like what was done so successfully at the Brainerd Airport and area hospitals in recent years. Many of our members have professional electronic communication experience and lots of expertise to show that when other systems fail (like cell phones), ham radio keeps going. The MN Scanner Law also came up in the discussion (see p.8). Most of us know that it permits licensed amateur radio operators to listen to public service frequencies while mobile. However, the hams cannot be interfering with police work, but they are permitted to listen to these channels as a part of hams' public service roles. We want all law enforcement personnel to be aware of this law, so that we have no misunderstandings. Clearly, Chief Deputy Backdahl was very open to all communication and invites our participation in these and other important public safety roles in the future. (Editor's Note: Sheriff Todd Dahl, who had originally agreed to speak to us, had another assignment that would have forced him to be in two places at the same time—needless to say, this none of us can do. Instead, he offered his sincerest apologies and hoped to be able to address our group at another appropriate time. Of course, we are grateful for his sending the Chief Deputy to us in his stead. A big thank you to both of them. Backdahl's presentation was informal, informational, friendly, and timely.)**



**Pictured in deep dialog from left to right: Lyle Amundson (KØLFV)—newly elected Director-at-Large, Steve Mott (NØCRM)— re-elected Vice President, and Chief Deputy Debi Backdahl, Crow Wing County Law Enforcement. (Pages 1 & 5 photos by WØKO)**

**Antenna Project at W5CCL this Fall:** Charles happily reports that after having the

the tower in place, he also had a hazer installed. A hazer is a device that rides up and down on the tower supported by a cable and winch mechanism. Furthermore, it allows the ham to work on the antenna at a lower and safer level. On Charles' he has a cross-bar boom installed which supports his G5RV. On the very top he has a vhf-uhf antenna. Beneath it is the new yagi for 20-10 meters. Now he is making DX contacts with it. Of course, any rotatable antenna has a great advantage. Because he can aim his own signal with forward gain, the the received signal's strength is also increased from that direction. Thus, the bonus with a yagi/beam is that signals coming from the back are dramatically reduced in strength. He can now easily talk to his friends back in TX or make new ham ones around the world. Needless to say, Charles appreciated this team of BAARC members who at various times assisted with the project: Lyle KØLFV, Ron KØGOP, Tom KØHHF, Dave KCØTGT, Kathy KD5EGN (XYL of W5CCL), and Fritz WØKO. These photos were provided by Charles W5CCL.





# Brainerd Area Amateur Radio Club

## MEMBERSHIP APPLICATION FORM

Dues Year January 1, 2011, to December 31, 2011  
(One Application for Each Person)



Name (First, MI, Last) \_\_\_\_\_ Call Sign: \_\_\_\_\_

Street Address: \_\_\_\_\_ License Class: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip \_\_\_\_\_

Phone: (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_ Additional Phone: (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_

Date of Application: \_\_\_\_\_ Circle One: New / Renewal

E-mail Address: \_\_\_\_\_ Member ARRL? Circle One: Y / N

I would like to receive the **BAARCer** via the **Internet / US Mail (Circle One)**. (Internet saves Club money)

Circle One: \$20 Full Member / \$10 Additional Family Member / \$10 Student Member

**Note:** For first-time members, pay \$5 per quarter for the time remaining in the year you join. For information on a life membership, contact Doug, our treasurer: <baarctreasurer@charter.net>

|                        |          |                                                                                                                                               |                                                                                                                                                                     |
|------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Membership Dues</b> | \$ _____ | <p>Make checks payable to BAARC. The Club is a 501C3 non-profit organization. Contributions are tax deductible. <b>Mail to Treasurer.</b></p> | <p><b>Brainerd Area Amateur Radio Club</b><br/> <b>Treasurer - Doug Bergsnev</b><br/> <b>KDØERE</b><br/> <b>15912 Olsen Lane</b><br/> <b>Brainerd, MN 56401</b></p> |
|------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Voluntary Contribution** \$ \_\_\_\_\_

**Total Enclosed** \$ \_\_\_\_\_

I hereby make this application and agree to abide by the Club By-Laws.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**Disclosure:** This information will not be sold or given to another organization without express permission of the BAARC members.

Please mail one form, along with dues (check/money order), for each person who wants to be a member.

**Check our Club's Website for other Information and Newsletters.**  
Regular Updates on the Sunday Night Nets on 147.225  
**www.brainerdham.org**

SUNDAY NIGHT NET OPERATORS

|          |         |        |
|----------|---------|--------|
| 12/05/10 | Doug    | KDØERE |
| 12/12/10 | Jim     | WØJDS  |
| 12/19/10 | Charles | W5CCL  |
| 12/26/10 | Joe     | KBØVYJ |
| 01/02/11 | Steve   | NØCRM  |
| 01/09/11 | Steve   | WØTNT  |
| 01/16/11 | Ron     | KØGOP  |
| 01/23/11 | Terry   | KIØFW  |
| 01/30/11 | Fritz   | WØKO   |

Can't make the schedule? Find a substitute operator. BAARC Sunday Night Net Control Coordinator is Fritz WØKO. To volunteer: w0ko "at" arrl.net



BAARC, Inc.  
Ham Radio at its best in the Lakes Area  
Affiliated with the ARRL

Find us on the Web:  
<http://www.brainerdham.org>

**In this season we wish our members and their families and friends all the best for the holidays.**

Christmas with its rich cultural and religious traditions forces us to reflect on the many blessings that come our way—and also on the needs of those less fortunate who have been hit by the economic downturns, the dreariness of the wars, the loss of loved ones, and the many natural and man-made disasters that strike. May God continue to bless us and our great country!

**To Darrell Schneider, ABØVP: Congratulations** on your election to the office of Mayor of Crosslake.

**Steve NØCRM** sends this URL which may help in understanding propagation: <[http://www.infotechcomms.co.uk/Understanding\\_LF\\_and\\_HF\\_propagation.pdf](http://www.infotechcomms.co.uk/Understanding_LF_and_HF_propagation.pdf)>

**Special Events Coordinator Dave KCØTGT** reports that a Special Event next year is planned for some time in February at the Club Station. Please get any ideas to him.

**MN Scanner Law** that allows licensed hams to monitor police frequencies from their vehicles is available from this URL.

Print it and keep a copy in your car.

<<https://www.revisor.mn.gov/statutes/?id=299C.37>>

**THANKS, TIMELY 2011 DUES PAYERS.** YOU HAVE RESPONDED AND MADE THE JOB OF TREASURER EASIER. If you have not yet paid, see p.7.

United We Stand



First Class Mail  
Address Correction Requested

Brainerd Area Amateur Radio Club  
c/o M. Fritz Bertelt WØKO  
16167 Ahrens Hill Road  
Brainerd, MN 56401