



# The BAARCeR



March 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  
 BBS MNBRD, WØUJ  
 144.390 WØUJ-5 APRS  
 Crosslake 147.030 MHz+  
<http://brainerdham.org>

**OFFICERS**

**President:**

Charles Lane **W5CCL**

**Vice President + WWW**

**Editor:**

Steven Mott **KCØYTE**

**Secretary:**

Ron Finger **KØGOP**

**Treasurer:**

Doug Bergsnev **KDØERE**

**Director-At-Large:**

Roger Williams **WØWUG**

**Trustee + BAARCeR**

**Editor:**

Fritz Bertelt **WØKO**

L-R: **Matt Karlgaard (KCØNML)**, RF engineer, and **Steve Mott (KCØYTE)** Project Manager, demonstrated for us what **Landis+Gyr** is developing for power customers worldwide. Very Informative Program!!!



Using 900 MHz technology and great creativity, their company is in the development and sale of wireless power control/management devices.

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— Events Calendar —

- Mar. 6 (Sat.) Club Breakfast @ Northwind Grille in Brd @ 9.**
  - Mar. 20 (Sat.) Club Breakfast @ Northwind Grille in Brd. @ 9.**
  - Mar. 25 (Thurs.) Club Meeting @ 7 @ Fire Hall (Board meets @ 6)**
  - Mar. 27 (Sat.) Midwinter Madness—Hamfest 8-1:30 in Buffalo, MN**
  - April 17, (Sat) Fargo Hamfest**
  - April 17 (Sat.) MN Repeater Council Outstate Mtg. Brd. Fire Hall @ 10**
  - April 24 (Sat.) Brd Jaycees Run-for-the-Lakes Marathon—Nisswa—Volunteers needed—please contact Al WØRC @ w0rc "at" arrl.net**
  - May 1 (Sat) Duluth-Superior Hamfest**
  - May 27, (Thurs) Annual Club Dinner-Meeting, Nisswa Legion--Alan Cibuzar (Spkr) KDØCJL. Jim WØJDS, chair—More Details Later**
- BRAINERD HAMFEST JULY 24, 2010**

## BAARC Website Update

On Tuesday, February 2, 2010, the BAARC website [www.brainerdham.org](http://www.brainerdham.org) went silent. This occurred just after some basic updates were made and just prior to the February BAARCer was to be updated. A call to a Crosslake Communication customer service representative indicated that “everything is just fine” and that sometimes the routings “get lost” and can possibly take up to 72 hours to “push out to the world again.” Well, the wait was not an easy one, and upon finding that the site was still not on line, another call to the same customer service representative was again that everything looked fine, although he was helpful in pointing in the correct direction to help diagnose the problem.

Upon further investigation it was discovered the our DNS registration had expired. So a quick email to the previous Webmaster (Mark Person) revealed that yes it did expire, and that he would be the only one that could renew the account. Mark WØMH was gracious to help work through the renewal process and subsequently the hand off of the account. Within less than an hour the website was back up and running, although it still could have taken up to 72 hours from that point as well.

The website has also been updated with a newer calendar. This calendar provides extra details that would have been much too time consuming to update with the old method. The new calendar format and administration can also be updated from any computer (with the correct login information) and can even be updated or items added via a mobile smart phone. Such as in a board meeting, the calendar can be brought up, viewed, the item added, and instantly available on the website.

When viewing details of the calendar, you can pull up linked maps. You can even add the item to your own personal calendar on your PC.

Left: Selecting an event provides details. On some events there is even an associated Map view by clicking on the map link. The map view will be displayed (Lower Right screen shot).

Different views are also available selecting the Week,Month,Agenda The Agenda view is shown directly below.

The screenshot displays the BAARC website interface. On the left, a detailed view of the 'Mid Minnesota 150 Dog Sled Race' is shown, including the date (Sat, February 13, 7am – 3pm), location (Outing), and a comprehensive description of the race classes and events. Below the description are links for 'more details', 'copy to my calendar', and 'Get Directions'. A Google Maps link is also present, which leads to a map view of the Outing area, showing local landmarks like 'Outing Park' and 'Lawrence Lake'. On the right, the 'BAARC Events Calendar' is shown in the 'Agenda' view for the month of February 2010, listing various events such as 'Cabin Fever Reliever', 'Sunday Night Net', and 'Informal breakfast meeting'.

**We hope you like and embrace these new changes.  
Submitted by Steve Mott, BAARC VP and Webmaster.**

## Thursday, February 25, 2010 - 6:00 PM - BAARC Board Meeting Minutes Brainerd Fire Station

President Charles W5CCL opened the meeting with Vice President Steve Mott, KCØYTE, Treasurer Doug KDØERE, Past President Lyle KØLFV, Past President Al WØRC, Trustee & "BAARCer" Editor Fritz WØKO, and Secretary Ron KØGOP, in attendance. A motion to accept the published minutes for December and January as approved, was made by Steve KCØYTE, seconded by Lyle KØLFV, and passed. The Treasurer's Report was then presented by Doug KDØERE and approved following a motion by John WØWY and second by Al WØRC. The Treasurer reported a total accounts balance (info available from him) and a current membership of 49. Also discussed was the need for a Club debit card account to make automatic payments for important recurring fees like the BAARC website domain name registration. Approval for a \$100 limit card was passed following a motion by Al WØRC, and a second by Lyle KØLFV.

**Upcoming Events:** A chairman for the *Brainerd Jaycee's "Run for the Lakes Marathon"* will be sought at the 7 PM Membership Meeting. It will be held on Saturday, April 24<sup>th</sup>. John WØWY has secured Alan Cibuzar of A.W. Research Laboratories, as guest speaker for the *BAARC Spring Dinner* on Thursday, May 27<sup>th</sup>. Social time will begin at 5:30PM, with dinner and a program following. Lyle KØLFV will send an e-mail reminder six weeks prior to the event. Lyle also announced surrounding club *HamFest in Buffalo, MN - March 27<sup>th</sup>, Fargo, ND - April 17<sup>th</sup>, and Duluth/Superior - May 1<sup>st</sup>.*

**Old Business:** Al WØRC reported on the first session of the *Ham Radio License Classes* held on Tuesday, February 23<sup>rd</sup>. Fourteen students are enrolled with ages ranging from 10 to 65 years. Classes are led by Al and John WØWY for the Technician and General levels, and meet weekly, ending with VE testing on Tuesday, April 13<sup>th</sup>. VE testing can also be scheduled for Extra class on that evening. *The MN Repeater Council Annual Meeting* will be held at the Brainerd Fire Station on April 17<sup>th</sup>. Al read a thank-you card received from Dan Levno, chairman of the recent *Mid MN 150 Sled Dog Race* event. A Club thank-you card was sent to Roger WRØG for the use of his repeater during that Saturday. Charles W5CCL reported that he has contacted *Nate Phillips, Boy Scouts of America-Pine Tree District* and having been invited to speak about Amateur Radio and the BAARC at their March 9<sup>th</sup> meeting. Charles is exploring ways that the Club can encourage the next generation of Hams and Club members through "Radio merit badge" help and participating with them in the international event, *Jamboree On The Air (JOTA)*. This annual ARRL-supported event is held on the third weekend of October.

**New Business:** Steve KCØYTE will change Club website domain name registration, from individual to Club ownership. The aforementioned Club debit card will then automatically pay the recurring registration fees. This will prevent any future lapse in the renewal process from reoccurring. He also discussed the advantages of the new Google event calendar on the Club homepage. Finally, Ron KØGOP discussed the need for updated "camera-ready" artwork of the BAARC logo. Current Club logo image files are poor in resolution and clarity, and unsuitable for use at more than thumbnail size. The Board selected one of the three new versions of the BAARC logo pending further approval at the 7 PM Membership Meeting. The Board Meeting was adjourned at 7:00 PM following a motion and second by Doug KDØERE, and Steve KCØYTE.

## Thursday, February 25, 2010 - 7:00 PM - BAARC Membership Meeting Minutes Brainerd Fire Station

President Charles W5CCL opened the meeting at 7:10 PM with twenty-one Hams and guests in attendance. A motion to accept the published minutes for December and January as approved, was made by John WØWY, seconded by Shirley KØDCW, and passed. The Treasurer's Report was then presented by Doug KDØERE, and approved following a motion by John WØWY and second by Darrell ABØVP.

**Upcoming Events:** Al WØRC volunteered to again chair the *Brainerd Jaycee's "Run for the Lakes Marathon"* on Saturday, April 24<sup>th</sup>. John WØWY has secured Alan Cibuzar of A.W. Research Laboratories, as guest speaker for the *BAARC Spring Dinner* on Thursday, May 27<sup>th</sup>. A request was forwarded from event chairman, Jim Shubert WØJDS, that members are requested to email him with their reservations ASAP.

**Digital & Emergency Communications:** John WØWY will attend the annual *SKYWARN Planning meeting* at the NWS bureau in Duluth on March 13<sup>th</sup>. The date for local SKYWARN training, usually held in April, has not yet been determined.

**Continued On Next Page.**

### Minutes Continued from Page 3.

**Old Business:** Al WØRC reported on the first session of the *Ham Radio License Classes* held on Tuesday, February 23<sup>rd</sup>. Fourteen students are enrolled with ages ranging from 10 to 65 years. Al read a thank you card received from Dan Levno, chairman of the recent *Mid MN 150 Sled Dog Race* event. A Club thank you card was sent to Roger, WRØG for the use of his repeater during that Saturday. Charles W5CCL has been invited to speak to the *Boy Scouts of America-Pine Tree District* about Amateur Radio and the BAARC at their March 9<sup>th</sup> meeting. The members discussed ways that the Club can encourage the next generation of Hams and Club members through "Radio merit badge" help and participating with them in the international event, *Jamboree On The Air (JOTA)*. A motion to pursue this Club involvement was made by John W3MQD, seconded by Skee WØDCY, and passed unanimously.

**New Business:** John WØWY and Lyle KØLFV discussed the need for new Club vests for event use. Several options were explored with the members regarding style, cost and markings. Further information regarding vest sources, customizing, and cost are needed. Steve KCØYTE discussed changing Club website domain name registration, from individual to Club ownership, as well as the new Google event calendar on the Club homepage. Ron KØGOP discussed the updated BAARC logo project. The membership approved one of the three new versions of the logo recommended by the Board. The final logo art file will be made available for members to download on the Club website. Finally, Lyle KØLFV discussed updating the Club informational brochure with new information and graphics. He will work with Ron KØGOP to complete the redesign and printing. The Membership Meeting was adjourned at 8:00 PM.



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

### **DX and the Paper Chase**

Cycle 24 is good and counting. There is enough DX out there to occupy plenty of your time on 12, 15, 17 and 20 meters. I have been working DX on both 12 and 15 meters barefoot (100 watts) with very good results. Those of you who are new to HF, there's ample opportunity to start working for DXCC credits. I still feel that the DXCC fraternity is what this hobby represents for both SSB and CW operators. Speaking of CW...I'm in the study mode (again) listening to my code tutor 20 minutes daily. I'm copying at 10 WPM (sort of) and thoroughly enjoying it. There are 3 great DXpeditions on the calendar coming up and all are rare calls. Iraq (YI9PSE) will be QRV from 04/05/10 to 04/13/10; Lord Howe Island (VK9CLH) will be QRV 05/21/10 to 05/31/10; and Palestine (EX4) will be QRV 05/28/10 to 06/06/10. These DXpeditions will give us a rare opportunity to operate scarce countries that would otherwise be all but impossible to add to our DXCC efforts. I received my QSL card from Conway Reef (3D2ØCR) last week, and that made my day! DX is alive and well and with Cycle 24 kicking into gear—even very modest stations can rack up some good contacts worldwide. For those of faith, welcome to the Lenten season. I would also remind all of you to sit down in front of your radios and call CQ because others somewhere are listening—don't disappoint them. So long from Huntersville, 73 and good DX from **Bob/WØZPE**.

### **Know of any Club Member needing a Card of Good Cheer?**

On behalf of the BAARC Fritz will send a get-well card or any other appropriate one to the member. If it needs to go to an address other than the address of record from the FCC Database, let him know that. We sent a card to Curt NØCRM who is recuperating.

## The 2010 Mid-Minnesota 150 Dogsled Race

On Saturday, February 13, 2010, 12 operators from the BAARC once again supported the Mid-Minnesota 150 Dog Sled Race from Emily to Remer with Pro-Class and Recreation Class dog sled teams. The Pro Teams traveled Outing to Emily via the Snowmobile trail with a 1-hr mandatory layover. The Recreation Class traveled from Outing to Remer. BAARC operators manned 8 checkpoints along the Pro-Class route and ten checkpoints on the Pro/Rec leg to Remer. The checkpoints included both the start and finish lines as well.

Ron KØGOP	Al WØRC	Shirley KØDCW	Charles W5CCL
John WØWY	Dave KCØTGT	Jim WØJDS	Terry KIØFW
Steve WØTNT	Doug KDØERE	Steve KCØYTE	Roger WØWUG

Like the previous year, we used a **spreadsheet tracking system using a laptop to monitor race progress**. This allowed us to track progress and watch for problems. One specific incident this year occurred on the longer Pro Class route. One team (#13 Emilie) did not make it to Checkpoint #2 and was a full hour behind when she did make it to the checkpoint. At that time, Al and others were preparing to dispatch and perform a search. Apparently, she made a wrong turn and did not realize it until she hit another fork in the trail. Thus she had traveled an estimated 12 miles extra. Even with the hour delay at checkpoint #2, she was only 12 minutes behind at the Outing rest stop.

The **tracking system** also allowed us to manage our checkpoints and to allow operators to step away for a period of time and return to the checkpoint when required. Using times from the Recreation Class, we were able to predict when the Pro Class sleds would approximately hit the checkpoints. Race officials, event coordinators, and various teams came in to the ECOMM trailer to assess race progress. This service has been appreciated by all.

### Lessons Learned:

- Next year we should plan on attending both of the musher meetings. Dave **KCØTGT** did this on his own accord for this day, and it proved valuable in that we learned of additional racers who were added to the race log for tracking purposes.
- It is highly suggested by Roger (**WØWUG**) and John (**WØWY**) that we provide two people at the Pikus Road/trail intersection due to confusing trails (both snowmobile and ATV).
- Checkpoint #2 on County Road 1 and 3, was a bit confusing, as well—so we logged GPS coordinates for that location. The coordinates are N 46 43.522 W 93 44.309 (off Aitkin Co. Rd 3, 489th Lane).
- In addition, we need to manage a little bit better at the Remer finish line with operators. We had to shift some at the last minute to cover it. We should focus on having the finish line covered.

### Special Thanks:

- Thank you to John (**WØWY**) for bringing the ECOMM trailer up to Outing on Friday and allowing a quick set-up on Saturday morning.
- Thank you to Dave (**KCØTGT**) for attending the early morning mushers meeting in Emily and providing that information to us.
- Special thanks to Charles (**W5CCL**) and Doug (**KDØERE**) for staffing the final checkpoint and the finish line in Remer. This allowed us to shut down Net Control in Outing and prepare the trailer for transport back to Brainerd. The last one across the finish line was at 7:06 PM.  
**Thanks to Steve Mott, KCØYTE—BAARC VP, for providing these write-ups and photos.**



Left: A Pro-Class team getting some well deserved protein during the required 1-hour rest between the first and second leg.

Right: Al WØRC, Shirley KØDCW, Terry KIØFW logging racers and looking for number 13. Al is getting ready to go out on his snowmobile to check on the racer who did not make Checkpoint #2.



Below are the final standings of the two race classes.

Pro Class: Leg 1			Pro Class: Leg 2			Total
14	Stacey Hagen	4:31:00	14	Stacey Hagen	3:15:06	7:46:06
16	Harry Lambtith	4:43:00	16	Harry Lambtith	3:19:34	8:02:34
15	Nate Holms	4:42:00	15	Nate Holms	3:38:17	8:20:17
13	Emilie Entrikin Grand Marais, MN	5:11:00	13	Emilie Entrikin Grand Marais, MN	3:15:20	8:26:20
17	Samantha	4:55:00	17	Samantha	3:37:23	8:32:23
12	Peter Tjelta Sheyene, ND	5:03:00	12	Peter Tjelta Sheyene, ND	3:49:56	8:52:56
11	Malinda Tjelta Sheyene, ND	5:04:00	11	Malinda Tjelta Sheyene, ND	3:53:00	8:57:00

Start Order	Bib No.	Name	Start Time	Finish Line	Total Elapsed Race Time
7	17	Nick	12:06:00 PM	2:34:03 PM	2:28
10	20	Billie	12:09:00 PM	2:42:00 PM	2:33
11	21	Steve	12:10:00 PM	2:47:05 PM	2:37
3	13	Dusty Klaven Gheen, MN	12:02:00 PM	2:40:00 PM	2:38
8	18	Luke	12:07:00 PM	2:48:30 PM	2:41
4	14	Jay Malchow Bemidji, MN	12:03:00 PM	2:46:14 PM	2:43
2	12	Linus Meyer Melrose, MN	12:01:00 PM	2:47:12 PM	2:46

R: Steve KØYTE, Steve WØTNT, and Al Larson, race coordinator. Al was in checking on the Pro Class status.



Below: The one of Roger WØWUG pointing is because the Pikus Road sign behind him shows where the road goes, but everyone wants to go the way he's pointing. Actually there are two intersections for snowmobiles and dog sleds that are both about the same and within 150 yards of one another. That led to some confusion, so both John WØWY and Roger stood there all afternoon directing traffic and answering questions from snowmobilers and dog sled mushers alike.

Below Middle: Steve KØYTE at tracking central with computer.



# Brainerd Area Amateur Radio Club MEMBERSHIP FORM

Dues Year January 1, 2010, to December 31, 2010

ARRL Affiliated

(Please print/copy this and submit one application for each person.)



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

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

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

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

Date of application: \_\_\_\_\_ Check one: New application: \_\_\_ Renewal: \_\_\_\_\_

E-mail address: \_\_\_\_\_ Member ARRL? \_\_\_\_\_

I would like to receive the BAARC'er newsletter via the Internet \_\_\_\_\_ via the US mail \_\_\_\_\_ (Internet saves Club money)

Amateur Radio Interests: If there is a program you would like to see at an upcoming meeting, please indicate the topic and possible presenter.

The goal is to make Club meetings fun and informative.

Check one: \$20 Full Membership \_\_\_\_\_ \$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.

Membership Dues \$ \_\_\_\_\_

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

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

Make checks payable to BAARC. The club is a 501C3 non-profit organization. Contributions are tax deductible.

Mail to: Doug Bergsnev, KDØERE (BAARC Treasurer) 15912 Olsen Lane, Brainerd, MN 56401

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

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

Disclosure: With the data, the Club can plan activities of interest to the majority of the members. This information will not be sold or given to other organizations without permission of the BAARC member. Please, one form per member—along with dues, for each person who wants to be a Club member.

SUNDAY NIGHT NET OPERATORS

03/07/10	Jim	WØJDS
03/14/10	Wynn	KA3DQN
03/21/10	Doug	KDØERE
03/28/10	Steve	WØTNT
04/04/10	Steve	WØTNT
04/11/10	Charles	W5CCL
04/18/10	Becky	KDØHBI
04/25/10	Jeff	KDØHBH

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>

**Final Notes:** Your editor **WØKO** apologizes for the poor quality printed copy you got by mail the last two months. One copy is printed at WØKO's QTH and then again for the mailing. About 10 are mailed. Printer's now fixed. The best copy is still available on our web site and in color.

**Our thanks to Steve KCØYTE**, BAARC VP and our Webmaster guru, for his outstanding and time-consuming work on the administrative end of the Website. He will still be doing more work on it as time permits. Also big **thanks to Ron KØGOP**, BAARC Secretary, for the professional improvements of our logos to be used on the web, in publications, and on vests. It is great to have an artist in the Club. **Al WØRC** reports receiving a thank-you note from **Dan Levno** of the sled-dog race group for the Club's repeat participation. He said our service was valuable. Also the Club thanks **Roger WRØG** for the use of his repeater during that same event. **Al and John WØWY** also say that the licensing classes are off to a good start with 14 prospective hams in attendance. In addition, a **BIG THANKS** to them and all the many other Club volunteers.

**2010 Dues Note:**  
This is the last official reminder in the **BAARCer** about **dues payment for 2010**. **Doug KDØERE** thanks the **49** who have paid and urges the rest to send the dues. The form is on 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