



The BAARCeR



December 2008

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
 Club DX Cluster:
 147.525 MHz BRDDX
 144.390 WØUJ-5 APRS
 Crosslake 147.030 MHz+
<http://brainerdham.org>

President:

Lyle Amundson **KØLFV**

Vice President + WWW

Editor:

Steven Mott **KCØYTE**

Secretary:

Darrell Schneider **ABØVP**

Treasurer:

John Myers **W3MQD**

Director-At-Large:

John Luce **WØWY**

Trustee + BAARCeR

Editor:

Fritz Bertelt **WØKO**

VP Steve KCØYTE Making NVIS Presentation at Last Meeting.



With the Use of His Laptop and Excellent Graphics He Gave an Informative Talk—See Page 4 (Top) for the Write-Up.

Index

Meeting Minutes	2
WØZPE's DX Report	3
Club News	
KCØYTE and NVIS	4
OUR NEW OFFICERS	5
Message from KØLFV & Propagat.	6
2009 Dues Form	7
Sunday Night NCS Schedule & ETC	8

— **Events Calendar** —

- Thurs., Dec. 18, Board Mtg. @ Lib. @ 4 p.m.**
- Thurs., Dec. 18, BAARC Monthly Mtg. in Lib. with Christmas Treats @ 7**
- Sat., Dec. 20, Club Breakfast @ Northwind Grille @ 9 a.m. in Brd.**
- Sat., Jan. 3, Club Breakfast @ Northwind Grille @ 9 a.m. in Brd.**
- Sat., Jan. 24, Annual Jaycees Ice Fishing Event on Gull Lake**
- Thurs., Jan. 29, Board Mtg. @ Lib. @ 4 p.m.**
- Thurs., Jan. 29, BAARC Monthly Mtg. @ Brd. Fire Hall @ 7 p.m.**
- Fri., Feb. 27 & Sat., 28, Training Mtg. for Voluntary Organizations**
- Active in Disasters @ Camp Ripley—Interested? Call Paul Oby—KCØESE @ 651 646 0259. More info needed? Go to www.mnvoad.org**

November 20, 2008 - 4:00 PM - BAARC Board Minutes – Small Mtg. Room- Brainerd Public Library

The meeting was opened by President Lyle KØLFV while in attendance were Vice President Steve KCØYTE, Treasurer John W3MQD, Coordinator of Public, Digital and Emergency Services Al WØRC, Director-at-Large John WØWY, Advisor Shirley KØDCW, Advisor Roger WØWUG, and Secretary Darrell ABØVP.



The Report of the October Meeting as published in the BAARCer was accepted as written. Treasurer John W3MQD led a discussion of the Financial Report dated 10/31/2008. John WØWY moved to approve the Financial Report; the motion was unanimously approved following a second by Al WØRC.

Lyle KØLFV and John WØWY reported on a meeting with the emergency people for the Jaycees Ice Fishing Extravaganza. BAARC was requested to develop a radio link with Reichert Bus Company to improve logistic and medical communications. There will be badges for better security control. Also busing and re-busing. location signage will be improved.

Al WØRC reported on the month's activities in Digital & Emergency Communications. Following a discussion of the Gull Lake repeater antenna project, John WØWY moved to approve an additional dollar amount to meet the amount billed to BAARC; it was unanimously approved following a second by Al WØRC. Steve KCØYTE moved with a second by John WØWY to make a BAARC contribution of \$100 to the ARRL Spectrum Defense Fund that was approved. The Board approved a resolution to provide an interface with the existing Kenwood 850 and Ham Radio Deluxe software following a motion by John WØWY and second by John W3MQD.

John WØWY will be meeting with Al Larson on the Mid-Minnesota Dog Sled Race for Winter 2009. The meeting was adjourned about 5:00 PM.

November 20, 2008 - 7:00 PM - BAARC Membership Meeting Minutes – Brainerd Fire Hall

President Lyle KØLFV opened the meeting with about twenty Hams and guests in attendance. The October Membership Meeting Minutes as published in the BAARCer were accepted as written after a motion by John W3MQD and a second by Jim WØYA. Treasurer John W3MQD presented a Year-to-Date Financial Report dated October 31, 2008. Jim WØYA moved to approve the financial reports that were unanimously approved following a second by Curt NØCRM.

Following a detailed and conscientious review of the submitted ballots, the fearless BAARC Secretary ABØVP courageously reported the following leading vote getters for BAARC Officer positions for 2009:

- President.....Al WØRC
- Vice President.....Steve KCØYTE
- Treasurer.....John W3MQD
- Director at Large.....Roger WØWUG
- Secretary.....Darrell ABØVP

Jim WØYA moved that the entire slate, that was unopposed, be elected by resolution of the membership; the motion was unanimously approved following a second by John WØWY.

The business meeting was adjourned about 7:35 PM.

The next Membership Meeting will be on December 18th, 7:00 , in the Large Meeting Room of the Brainerd Public Library.

Respectfully submitted, *Darrell ABØVP*, Secretary



Mission Statement... The Brainerd Area Amateur Radio Club is comprised of about 85 licensed Amateur Radio Operators who meet monthly to exchange ideas, improve radio skills, organize activities that are of service to the area, promote development of Amateur Radio, and join together in the mutual interest of Ham Radio. **In addition, the Club endorses and honors the Radio Amateur's Code : The radio amateur is considerate, loyal, progressive, friendly, balanced, and patriotic.** The BAARCer newsletter is provided to club members for information and entertainment as a non-profit service. The material is supplied "as is" and without warranty. Permission is granted to copy and distribute any information published here provided the source is credited. Because space is limited in the BAARCer newsletter, you will often find more photos and more details for club news stories on the BAARC website at: <http://brainerdham.org>

DX and the Paper Chase

DX is...the essence of Amateur Radio. If it were not for the desire to send a signal over the hill, then over the water, and then across the oceans, and around the world, Amateur Radio, or even wireless itself would probably have been dismissed as a useless laboratory phenomenon. This is a quote from the ARRL operating manual dated 1997 and it sums up what my passion is for this hobby. There is nothing better than a far-away DX station to get my adrenalin boiling. This past month the 17-meter band has been "the place to be" for all of the good DX you ever wanted. I worked a new one for DXCC credit on 17 that isn't heard very often...UK and Soviet Bases on Cyprus with the call prefix ZC4. This isn't the rarest of calls, but you just don't hear them often on the bands. On Sunday afternoon (4:00PM) there was a pipeline of propagation into JA-land and the signals were pure and clear. I called one CQ and for the next 45 minutes I had a mini pileup on my station from Japan! How good is that? The mailbox was good to me this month also. My cards from Botswana and from the Beijing Olympics arrived giving me two more confirmations for DXCC 300. Without fail, you can find me DXing into Europe every morning on 17-meters with pretty good signals. Today (11/18) I worked 20-meters into North Africa beating out the pileups which by the way is as much a thrill as getting through to the actual DX. Cycle 24 is on the way without a doubt and my plan is to haunt the bands and take full advantage of the wonderful world of DX. In closing, I need to mention that the 15-meter band has also been open sporadically with excellent signals, but you have to pick up that mic and call CQ! So long from Huntersville. 73 for now and good DX from Bob/WØZPE.

Courtesy Reminder from the Beargrease Amateur Radio

Coalition: Please do not use the 443.925 repeater in the evenings starting now at 8 p.m. through Jan. 29th. This is for the practice and the Race. The Dogsled Race starts at 12 noon on January 25 and ends on the 29th. A lot of good work is done by that club, and we, of course, always cooperate. Presently our end of the system is down anyway. Stay tuned.

NVIS—What is it and what is it for? Here is a synopsis of the November Program given by Steve Mott, BAARC VP.

The program subject was NVIS Communications. NVIS is Near Vertical Incidence Skywave communication, which is a method of communications that includes an antenna with a very high take-off angle (65-90 degrees). This high take-off angle allows the signal to return to earth via the ionosphere's F-layer, in very close-in ranges (0-400 miles). This distance can typically be in the skip zone of many "normal" HF antennas.

Interestingly, using NVIS can provide very reliable emergency communications in mountainous areas and even for general day-to-day communications when the distance to a repeater may be too far. The NVIS system, like all general HF communications, is dependent upon daily ionospheric changes. Consequently, multiple bands will be required for complete 24-hour communication channels.—**Steve KCØYTE**

The International Phonetic Alphabet (IPA) and its Use: Periodically it is a good idea to review it. We use it to spell phonetically our call signs, names, locations, and other important information that may not get communicated accurately because of unique voice traits, poor radio conditions, such as fading or noise. Also many of us have lost hearing capabilities: however, as a courtesy we can all compensate for these conditions by using the IPA. This information may be especially useful for new hams. Of course, those who have served in the military have heard it before.

A—Alpha	I—India	Q—Quebec	Y—Yankee
B—Bravo	J—Juliet	R—Romeo	Z—Zulu
C—Charlie	K—Kilo	S—Sierra	
D—Delta	L—Lima	T—Tango	
E—Echo	M—Mike	U—Uniform	
F—Foxtrot	N—November	V—Victor	
G—Golf	O—Oscar	W—Whiskey	
H—Hotel	P—Papa	X—X-Ray	

For example, to spell our Club call sign WØUJ we say:” Whiskey Zero Uniform Juliet.”



The BAARC Board Gathering at the Last Meeting Held at the Brainerd Public Library. Photo by ABØVP : pictured from left to right front Darrel ABØVP, Lyle KØLFV, and Steve KCØYTE; back from left to right Al WØRC, John WØWY, Roger WØWUG, and John W3MQD. These meetings typically occur on the afternoons before our regular BAARC Membership meetings in the evenings. Here they organize and plan Club business. Much time is spent monthly.

To my BAARC ham friends: FROM ALL OF US TO ALL OF YOU—NO MATTER WHERE OR HOW THIS NEWSLETTER FINDS YOU, WE, THE MEMBERS OF THE BRAINERD AREA AMATEUR RADIO CLUB, ITS OFFICERS, ITS VOLUNTEERS—ALL WISH YOU AND YOUR FAMILIES THE BEST HEALTH AND RICHEST BLESSINGS AS WE AGAIN CELEBRATE ANOTHER CHRISTMAS AND LOOK FORWARD TO THE NEW YEAR: 2009. In addition, personally I thank you all for working with me and our excellent team of officers. It's been a fun and challenging ride as President (2 yrs.). Rest assured, the new team under Al's leadership will continue the outstanding BAARC tradition. I know you will all give them the needed support —sincerely and 73 from Lyle KØLFV, Past President. 2007-2008.



Have a Want or a For Sale Item: We will gladly publish them provided you get them to our editor. Please send them to Fritz <w0ko @ arrl.net>.

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**DX News from the ARRL:(As of Dec.4)**

**GEORGIA, 4L.** Andy, UU4JMG is QRV as 4L/homecall and is usually active on 160 meters around 2200 to 0300z, as well as 40 and 20 meters using CW. QSL to home call.

**CHINA, BY.** Operators BD3BXH/2, BG3DCI/2 and BG3DDB/2 will be QRV from Juhua Island, IOTA AS-151, from December 10 to 13. Activity will be on 80 to 10 meters using CW, SSB and RTTY. QSL via BD3BXH.

**SOUTH COOK ISLANDS, E5.** Lars, SM6CUK is QRV as E51CUK from Rarotonga, IOTA OC-013, until December 9. Activity will be on 80 to 10 meters using CW. QSL to home call.

**IRAN, EP.** Moshen, EP3SMH is generally active using RTTY on 20 meters around 1400z.

**CROZET ISLAND, FT/W.** Florentin, F4DYW will be QRV as FT5WO from the French Alfred Faure Base, IOTA AF-008, from December 8 to November 30, 2009. Activity will be mostly on 40, 20 and 15 meters and possibly 80 meters. QSL direct.

**SAN ANDRES AND PROVIDENCIA ISLANDS, HK0.** Cal, WF5W, Mike, K5UO and Rob, HK3CW are QRV as 5K0CW from San Andres Island, IOTA NA-033, until December 12. This includes an entry in the ARRL 160 Meter contest. QSL via W5PF.

**GUINEA-BISSAU, J5.** Peter, HA3AUI is QRV as J5UAP and has been active on 20 meters around 0830z and 17 meters around 1010z. QSL to home call.

**ANTARCTICA.** Helmuth, W6KDX is staying on Amundsen-Scott South Pole station until Jan 5, 2009 and if time permits may be active as KC4AAA. Activity will mainly be on 20 meters SSB. QSL via K1IED.

**Propagation from ARRL as of Dec.5 via K7RA** —Good conditions on 160 meters with day-to-day variations. 6-meter openings, including possible meteor showers instead of sporadic-E being the predominate mode at times, and 30-meter mid-day openings to Europe.



# Brainerd Area Amateur Radio Club MEMBERSHIP FORM



Dues Year January 1, 2009, to December 31, 2009

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.

**Mall to: John Myers, W3MQD (BAARC Treasurer)**

**34570 Beaver Trall,**

**Pequot Lakes, MN 56472**

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

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

**Sunday Night Net Control Operators  
on the 147.225 MHz+ Repeater at 8 PM:**

|          |         |        |
|----------|---------|--------|
| 12/07/08 | Mike    | NØGAU  |
| 12/14/08 | Tom     | WBØCZZ |
| 12/21/08 | Dick    | WØECJ  |
| 12/28/08 | Pat     | WØETY  |
| 1/04/09  | Terry   | KIØFW  |
| 1/11/09  | Darrell | ABØVP  |
| 1/18/09  | Shirley | KØDCW  |
| 1/25/09  | John    | KCØWCG |

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

A Message For This Season—from the Editor  
 As we approach December 24th and 25th, I recall many simpler times when families seemed to have a more relaxed way of celebrating this important commemoration. Yes, candles were on the tree and fewer presents under it, but the family glow still radiated. You see, this was post-WWII. Then, as now, we appreciated everything we had, and we understood that what we had came not from what we ourselves produced; instead it came from a mighty Creator—the source of all we count and hold dear: family, country, this American way of life—. Among these blessings is the form of government that makes changes periodically—all without bloodshed! Truly amazing! I hope we all can reflect appreciatively on what it means to be a Citizen of these United States of America.—WØKO

**United We Stand**



**First Class Mail**  
Address Correction Requested

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Brainerd, MN 56401