



The BAARCCer



September 2008

For Anyone Interested in Amateur Radio

Page 1 of 8

Club Call: WØUJ

Brainerd 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 + BAARCCer**Editor:
Fritz Bertelt **WØKO****Index**

| | |
|----------------------|---|
| Meeting Minutes | 2 |
| Club News and Misc. | 3 |
| | |
| KØUSJ History | 4 |
| | |
| Bike Tour—WØWY | 5 |
| | |
| DX Report & For Sale | 6 |
| Propagation Numbers | |
| | |
| General Info | 7 |
| | |
| Coming Meetings/Info | 8 |
| Sunday Night Net | |



**BAARC Members (left to right) KØLR, KØTHY, and KØLFV
Participated in the Event—Photo de ABØVP**

— Events Calendar —

Saturday, Sept. 20, Hamfest in Sioux Falls, SD.

Check <http://www.w0zwy.org/hamfest/>

Saturday, Sept. 20, BAARC Breakfast @ Northwind Grille @ 9

Sunday, Sept. 21. Hamfest at Lost Isle (Carlton) HWY 210 6 blks. E of I-35

Check <http://www.theearac.org>

Thursday, Sept. 25, BAARC Executive Board Mtg. at Library @ 4

Thursday, Sept. 25, Membership Mtg @ Fire Hall @ 7

Saturday, Oct. 4, BAARC Breakfast @ Northwind Grille @ 9

Saturday, Oct. 18, BAARC Breakfast @ Northwind Grille @ 9

Saturday, Oct. 18, MN RPTR. Council Mtg. @ Savage www.mrc.gen.mn.us

MINUTES OF THE AUGUST BAARC MEETING:**August 28, 2008 - 4:00 PM - BAARC Board Meeting Minutes – Small Mtg. Room- Brainerd****Public Library**

The meeting was opened by President Lyle KØLFV while in attendance were Treasurer John W3MQD with Vi, Coordinator of Public, Digital and Emergency Services Al WØRC, Advisor-at-Large Shirley KØDCW, Special Projects Leader Terry KIØFW, and Secretary Darrell ABØVP.



The Report of the June Meeting as published in the BAARCer was accepted as written. Treasurer John W3MQD led a discussion of the scheduling of BAARC's CD investments. Al WØRC moved to renew the present CD's on a six-month basis; the motion was unanimously approved following a second by Terry KIØFW. Our Treasurer distributed a Year-to-Date Budget Report and Financial Reports for June 30th and July 31st. Shirley KØDCW moved to approve the financial reports that were unanimously approved following a second by Al WØRC.

Al WØRC with comments by John WØWY reported on the month's extensive activities in Public Service Coordination and Digital & Emergency Communications. The Mille Lacs Band has put the repeater in operation that uses the antenna on the 150-ft. water tower —see our website for details.

The meeting was adjourned at 4:50 P.M. following a motion by Al WØRC.

The next Board Meeting will be on September 25th at 4:00 pm @ the Library Small Meeting Room.
Respectfully submitted, **Darrell ABØVP**, Secretary

August 28, 2008 - 7:00 PM - BAARC Membership Meeting Minutes – Brainerd Fire Station

President Lyle KØLFV opened the meeting with about twenty Hams and guests in attendance.

The June Membership Meeting Minutes as published in the BAARCer were accepted as written. Treasurer John W3MQD presented a Year-To-Date Budget Report and Financial Reports for June 30th and July 31st.

Mike WAØLVG moved to approve the financial reports that were unanimously approved following a second by Steve WØTNT.

The Cuyuna Bike Tour will be held on Saturday Sept. 6th from 7:00 am to 3:00 pm. John WØWY will bring the BAARC Communications Trailer to the Field Day Site NW of Ironton for Net Control use for the event. BAARC members are welcome to participate as operators – see our website for details.

Al WØRC with comments by John WØWY reported on the month's extensive activities in Public Service Coordination and Digital & Emergency Communications.

The BAARC Repeater Planning Meeting will be on Wednesday Sept. 10th, 4:00 pm probably @ the Brainerd Library with the Mobile (portable) Repeater on the agenda with other items. All members are welcome to participate.

President Lyle KØLFV again came up with great prizes for the drawing.

The business meeting was adjourned at 7:30 pm following a motion by Al WØRC seconded by Shirley KØDCW.

The next Membership Meeting will be on September 25th, 7:00 pm @ the Brainerd Fire Station.

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 in 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 BAARCor 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 BAARCor newsletter, you will often find more photos and more details for club news stories on the BAARC website at: <http://brainerdham.org>

FROM ARRL DX NEWS: Selections—UPDATE—9-11-08

SOUTH COOK ISLANDS, E5. Bill, N7OU will be QRV as E51NOU from Rarotonga, IOTA OC-013, from September 15 to October 11. He will be active on 40 to 10 meters using only CW. QSL to home call.

ANGOLA, D2. Father Gabriele, D2EB is back here and has been active using CW and SSB on all bands, including 6 meters, at various times. QSL via IZ3ETU.

TEMOTU PROVINCE, H40. Mike, KM9D and Jan, KF4TUG will be QRV as H40MY from Vanikolo, IOTA OC-163. QSL via OM2SA.

REPUBLIC OF KOREA, HL. A group of eight Korean operators will be QRV as **D9D** from Tok Do, IOTA AS-045, from September 13 to 18. In addition, they may also sign homecalls/5. Activity will be on 80 to 10 meters using CW, SSB, RTTY and PSK31. QSL D9D via 6K2BWA and all others to home calls.

TOKELAU ISLANDS, ZK3. Willi, DJ7RJ and Ulrich, DL2AH are QRV as ZK3MW and ZK3AH, respectively, until September 29. ZK3MW is active using on 160 to 10 meters using mainly CW and ZK3AH is active on 40 to 10 meters using SSB. QSL to home calls.

<<http://www.arrl.org/tis/info/propagation.html>>. To read this week's Solar Report in its entirety, check out the W1AW Propagation Bulletin page <<http://www.arrl.org/w1aw/prop/>>.



Another photo provided by ABØVP of some of the participants and an unusual type of bike for two.

They no doubt had fun, but enjoyed the break and great weather as well.

**Cuyuna Bike Tour
2008**

KØUSJ's Nearly Half Century in Ham Radio: His Reflections and Highlights

I have ended up in the garage with a wire antenna in the attic--that's what happens as you grow older and go to townhome living where no obstructions can change the configuration of the outside of your home, plus I am 85 years old and a U.S.WWII Marine. I have made the garage into part of my home with 24 feet of storage (closed) cabinets along two walls, a workbench that matches the cabinets, my now small radio station with overhead hanging lamp, 60,000 btu furnace for Minnesota winters, ceiling fan, TV, walls painted tan and a coated floor system that makes you feel like you should remove your shoes before entering.

In all the past years, I have operated larger stations with amplifiers and beams and through those years ran traffic to missionaries in the jungle of Equador for 8 years. I represented hospitals in my area for the Eye Emergency Net with the need for or the availability of eyes for cornea transplant. That went on for 25 years with 11,000 eyes shipped to save sight. Then the computer came along and made the job much simpler. Also, for many years I ran hundreds of phone patches on Saturdays for Navy Service Personnel at Guantanamo Bay, Cuba. I had made two moves in Minnesota, one to Kansas, one to Arizona and am now back in the Minneapolis area after being away for 25 years.

My present station is the Kenwood TS-480HX, a nice little rig that puts out 200 watts, more power than most barefoot rigs and helps get my signal out a little better. The antenna up in the attic is an Alpha Delta DX-CC (10 through 80 meters) with one straight leg and two turns on the other because of limited space, and I final tune that with an MFJ Model 989C Tuner. No more amplifiers since the neighbors might run me out of here. Also I have 2 meters and have been active since the early 60's with mobile and an amplifier the past number of years, great fun!! I shared ownership of a 2-meter repeater in Minneapolis back in the 70's and early 80's that is still in operation.

So, no more big stations with amplifiers, towers, and beams and all the good DX I have worked through the years---351 countries confirmed, all SSB and am now happy to have our group that's been running forever on 3.948 at 0845 six days a week. As you may know, we call ourselves the Upper Midwest Snowbirds because many of the group leave for the South, and come winter we then run two nets, the other on 20 meters at this time and when the bands pick up we will move back to 15 meters. All hams in the area of copy are welcome to join us. We are a very informal group and a fun bunch of hams. I was net control of the high frequency group the years I lived in Arizona. This group meets the last Wednesday of July every year for a get-together picnic, a nice way of knowing your ham radio friends better. As a kind of addendum, we started coming up to the Whitefish in 1961 to a resort and continued until 1997, a total of 36 years. Of course, a good many years we owned a place on either Pelican or Upper Whitefish. By the way, yes, I am close to the half century mark in ham radio since I got my license in 1959 while living in Golden Valley.

If you care to make a contact, check out my QRZ listing which shows pictures and e-mail address. 73 and 88---de Bob KØUSJ. (Editor's Note: Bob has been a long-time supporting member of the BAARC. I recall working him before we had an operational repeater in the Brainerd area. In those days, Bob and I had IC 22S two-meter rigs that we communicated with while he was traveling north from the Cities to the Breezy Point area.de WØKO)

Cuyuna 3rd Annual Bike Tour—Saturday, September 6, 2008:

The BAARC came through again in a fun-filled, couldn't have been better weather, Saturday supporting the Cuyuna 3rd Annual Bike Tour.

"We couldn't have done it without you guys", said Jenny Smith, the bike tour director. Her husband Brad echoed those comments regarding the 14 ham radio operators from our Club who showed up keeping their "watchful" eyes on the 114-bicyclists as they rode a 35- or 75-mile course that ran from Deerwood south to Farm Island Lake and all the way north to the Mississippi River and back to Deerwood via Aitkin. All-in-all, it took most riders 3 to 5 hours to complete the courses they chose.

Operators from BAARC participating were: Steve **KCØYTE** and Al **WØRC** as net control operators operating simplex (from the field day site; thanks to **WØTNT**) "what a view"; Shirley **KØDCW** and John **WØWY** in the SAG (repair vehicles); Lyle, **KØLR** and Cathy **KØTHY**, as bike-riding rovers, Alan **AAØAS** as a rover on the courses, along with Lyle **KØLFV** and Terry **KIØFW** working the start/finish areas and helping out all over the place; at rest stops were Charles **W5CCL**, Curt **NØCRM**, Darrell **ABØVP**, and, Jim **WØJDS** assisted by Doug **KDØERE**.

In all there were no accidents or medical emergencies and no serious mechanical breakdowns. And the food was great at the rest stops and at the finish, where a "taco in a bag" luncheon was enjoyed by everyone. Our reward for service was a (yet to come) official bike tour tee shirt, and the experience of training in simplex operation and working together for the common good of the community. Thanks to all—73 de John WØWY. Below: KØDCW (r) visiting with Bike Enthusiasts. Photo credit ABØVP.



DX and the PAPER CHASE

Summer is winding down and the month of August is on the wane. What an interesting month this has been on the bands with sporadic openings allowing for some good DX on both 20 and 17 meters. There was also some good DX on 40 in the wee hours of the morning over the past several weeks. The Beijing radio stations, all 5 of them have been QRV since the start of the Olympic Games but...the propagation path to the upper Midwest has been spotty. I spent quite a number of hours listening to weak signals from China until one morning 2 weeks ago I was able to nab BT1OJ for a good contact into Beijing, China. Fritz WØKO also worked them using CW and we're both in the online log...yippee! As I mentioned, DX openings were very few, but I hung in there getting the Philippines on 20-meters and Jan Mayen Island on both 20 and 17 meters for 2 new DXCC credits. The surprise of the month was getting on 40 meters at 4:30AM one morning to connect with Australia and just before sunup I worked a station in Panama. My 40-meter antenna is a GAP vertical Titan DX ground mounted with no radials. Who would have ever thought of DXing on 40 with a vertical and poor band conditions? The 17-meter band produced some good DX across the pond during the month allowing me into Russia, Italy and a score of other good contacts. There's no big secret in obtaining good DX other than a lot of patience, a lot of aluminum and the desire—you have to want it in order to get it. We had a saying in business many years ago: "If you're going to get to the finish line, you have to leave the starting gate." And the same can be applied to DXing. This is a great hobby we're involved in, and to take full advantage of it you need to turn your radios on and get on the air. The QSL cards are arriving from both the Clipperton and the Ducie Island DXpeditions. Both of mine arrived last week along with one from Burundi, a station I worked 18 months ago. Never give up! I'm looking forward to the fall months and hopefully some sunspots and some good propagation. So long from Huntersville.

73 for now and good DX--de Bob WØZPE

FOR SALE: 40-ft. Universal aluminum tower, new still in wrapper with two used rotor plates.

New price Texas Towers is \$1519 + tax and shipping—asking \$1200. **Explorer 14 Beam** (HI-Gain) 20-15-10 meters with 40-meter add-on. 2003 price \$629.94 + tax...Sell for \$ 475.

COAX--2003 price \$.96/ft. LMR 400 Ultra Flex 200'---sell all for \$ 145.

10' steel mast. 2003 price \$ 94.95 + tax. Sell for \$65. All items near Deerwood. Contact George Swanson, KCØBH at georgswans "at" msn.com

>>>

Propagation Numbers given by WWV at 18 Minutes after the Hour:

What do these numbers mean? Well, according to Woodruff's Short-Wave Listener's Guide, the earth's magnetic field is measured in terms of the **A-Index** and is considered a planetary reading and since it is measured from stations around the world, it is always 24 hours old. However, the **K-Index** is usually compiled at 3-hour intervals, so it gives a more real-time indication of what the earth's magnetic field is doing. The higher the **A** and **K** numbers, the poorer the conditions—usually due to noise and weaker signals. The **Solar Flux** is a measure of solar radiation. The higher the **Solar Flux**, the lower the magnetic activity. Hence, an **A-Index of 3**, a **K-Index 11**, and a **Solar Flux of 225**, for example, would suggest generally good radio propagation—low noise and good signal bounce. Needless to say, this is a complex subject, but interesting to study. **de Fritz WØKO**

Looking for Antenna Information?

Charles W5CCL sent an interesting URL of a site that presents antennas in layman's terms.<
<http://www.hamuniverse.com/n4jaantennabook.html>>

Wondering about the New MN Cell Phone Law and Driving? The law applies only if hams happen to be operating their cell phones while driving—if caught, a big fine is possible. However, the new law does not affect the old law that permits hams to operate ham gear in vehicles and allows them to listen to public service frequencies while mobile. Our thanks to Jay Bellows, KØQB, ARRL Director, and an attorney, for providing the info.

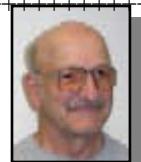
Health Info about Jack Miller, WØJEM. Bob KØUSJ sent a message telling us that Jack has bladder cancer and was treated with turp surgery instead of removing the bladder. This is essentially a ream job to the prostate to allow better flow. At the same time Jack avoids all the other attendant issues with it. The BAARC sent him a cheery card and if you would like to do the same personally, his current address according to his brother Keith AGØH and friend Bob, is Jack Miller, 5919 Centerville Rd., #2031, North Oaks, MN 55127. Because of the care needed, Bonnie and Jack have moved into a special facility providing the care. He will be undergoing chemo. Let's keep him in our prayers!!!! His phone number is 651 762 7291.

Frequencies for the the MN Nets:

| NET | FREQ | TIME |
|--------|------|---------------------------------|
| MSPN/E | 3860 | 1730 |
| MSPN/N | 3860 | 1200 |
| MSN/1 | 3605 | 1830 |
| MSN/2 | 3605 | 2150 |
| PAW | 3925 | 0900-1100 + 1500-1700 (PICONET) |

ARLX008 FCC Vanity Call Sign Fees to Increase September 25: On August 11, the Federal Communications Commission announced that the cost of an Amateur Radio vanity call sign will increase 60 cents, from \$11.70 to \$12.30. Now that notice of the increase has been published in the Federal Register, the increase will take effect in 30 days, September 25, 2008. More information is available at, <http://www.arrl.org/news/stories/2008/08/11/10257/?nc=1>.

Area Repeater Info: WØRC has been busy working with neighboring ham communities establishing emergency communications systems, some under Homeland Security. Consequently, he provides these updates with more to come: Listen for the new Ogilvie repeater on 147.240 + requiring a tone of 146.2 Hz. Also, in case you have not noticed, the Collegeville repeater 147.015 + also requires a tone—100 Hz. Similarly, the Barnesville machine, still on 147.060, also needs a 100Hz tone for access. Regarding the Mille Lacs 446 SPLX input to the 147.015—more on that later from Al.



THE BAARcer Editor is still looking for member write-ups about their ham careers, their lives—in a couple of pages. We know there are some interesting stories out there that other members would be interested in. You have read some from other members already in these pages—let's have yours. WØKO will edit them to fit here. Send them to w0ko “at” arrl.net. TNX

Sunday Night Net Controls

| | |
|----------|-------------|
| 9/07/08 | John W3MQD |
| 9/14/08 | Terry KIØFW |
| 9/21/08 | Dave KCØTGT |
| 9/28/08 | Jim WØYA |
| 10/05/08 | John KCØWCG |
| 10/12/08 | Steve WØTNT |
| 10/19/08 | Doug KDØERE |
| 10/26/08 | Joe KBØVYJ |

Can't make the schedule? Find a substitute operator. BAARC Sunday Night Net Control Coordinator is Fritz WØKO. Contact him to volunteer: finn.kraut "at" charter.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>

-- Upcoming Meetings & Activities --

More information on Club activities is available on the BAARC Web site at:

<http://brainerdham.org>

~~~~~  
**Note to our members:** Steve KCØYTE is close to getting the Website functional and current. Be patient, please. Also, wondering why the BAARCer is coming out later than previously? Well, we hope that by reminding members of the meetings and events and having the bulletin come near mid-month, we will see more of our membership at the meetings.

**DUES:** W3MQD is still looking for you to renew your dues. It is easy—just send a \$20 check to John Myers, BAARC Treasurer, 34570 Beaver Trail, Pequot lakes, MN 56472

Let him know if receiving your BAARCer by e-mail or later via the website is OK. Be sure he has all the latest info. Thanks for your cooperation!!!—the Management.

United We Stand



Address Correction Requested

**F I R S T   C I A S S   M a i l**

Braintred, MN 56401  
16167 Ahrens Hill Road  
c/o M.L. Fritz Beret WØKO  
Brainerd Amateur Radio Club