



The BAARCer



June 2007

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 MNRD, 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:

Jim Talbott WØYA

Secretary:

Darrell Schneider ABØVP

Treasurer:

John Myers W3MQD

Director At Large:

John Luce WØJGY

Repeater Trustee:

Fritz Bertelt WØKO

BAARCer & WWW Editor

Mark Persons WØMH

Al WØRC demonstrated an APRS (Automatic Packet Reporting System) at the May 31st BAARC Meeting



He explained the digital codes that GPS (Global Positioning System) receivers can send to a TNC (Terminal Node Controller), then to a transmitter on 144.390 MHz. The system allows a station to be tracked on a computer map. The BAARC recently purchased Precision Mapping 8.0 software

and downloaded free PMAP 7.0 along with UI-View32 software to form a complete system.

Al said this system will be a great aid to a net control station when the Club is doing communications for community service events such as the Annual Tour of the Lakes Bike Ride.

Inside This

Meeting Minutes	2
Special Event	3
VE Testing	4
Club News	
Swap Shop	5
WØJGY Mobile	
Non-Profit Day	6
Club News	
Coming Events	7
Coming Meetings	8
Sunday Night Net	

Events Calendar

- Saturday, June 2 Annual Tour of the Lakes Bike Ride** aided by the BAARC.
- Saturday, June 2** 7:00 AM to 1:00 PM **Twinslan Tailgate Swapfest** in St. Paul.
- Saturday, June 2** 9:00 AM to 10:00 AM Informal breakfast meeting at the Northwind Grille.
- Sunday, June 3** 8:00 PM to 8:30 PM Sunday Night Net on 147.225+ MHz.
- Wednesday, June 6** 1:00 PM to 2:00 PM Monthly siren and civil emergency test.
- Sunday, June 10** 8:00 PM to 8:30 PM Sunday Night Net on 147.225+ MHz.
- Saturday, June 16** 9:00 AM to 10:00 AM Informal breakfast meeting at the Northwind Grille.
- Sunday, June 17** 8:00 PM to 8:30 PM Sunday Night Net on 147.225+ MHz.
- Saturday, June 23 and Sunday, June 24 ARRL Field Day.**
- Sunday, June 24** 8:00 PM to 8:30 PM Sunday Night Net on 147.225+ MHz.
- Thursday, June 28** 4:00 PM to 5:00 PM BAARC Executive Board meets.
- Thursday, June 28** 7:00 PM - 9:00 PM **Regular Club Membership Meeting.**
- Saturday, July 14** 9:00 AM to 2:00 PM **Brainerd Area Hamfest.**

May 31, 2007, 4:00 PM - BAARC Board Meeting Minutes – Brainerd Library

The meeting was quietly opened by President Lyle KØLFV while in attendance were Al WØRC, Shirley KCØDCW, Mark WØMH, Director-at-Large John WØJGY, Club activity leader Terry KIØFW, Jim WØJDS and Secretary Darrell ABØVP. The Report of the April Board of Directors and the General Membership Meetings, as published in the BAARCer, were accepted as written.

Since John W3MQD is recovering from surgery and is expected to be back to normal soon, the board agreed to wait until he is able to complete the April report. John WØJGY presented a check for \$250 to the board for the Club's work on the Jaycees 2007 Ice Fishing Contest on Gull Lake.

The strange, mysterious, and growing abyss between the "Real" and "Virtual" world came suddenly to the awareness of the group when the question was asked, "Have you seen Dave KCØTGT recently?" Then the answer was, "I have seen him digitally in the form of a moving APRS image on my computer screen, but I have not made analog contact." There was an eerie silence as we all contemplated the significance of these comments.

The meeting was adjourned at 4:53 PM, following a motion by Mark WØMH that was seconded by Al WØRC.

Respectfully submitted, **Darrell ABØVP**, Secretary

May 31, 2007, 7:00 PM - BAARC Membership Meeting Minutes – Room 800 South Campus

President Lyle KØLFV opened the meeting held in Room 800 South Campus with twenty-nine Hams and two guests in attendance. The Minutes of the April Membership Meeting, as published in the BAARCer, were accepted as written following a motion by Steve WØTNT that was seconded by Mike WAØLVG.

Since John W3MQD is recovering from surgery and is expected to be back to normal soon, the board agreed to wait until he is able to complete the April report. John WØJGY reported on a check for \$250 for the Club's work on the Jaycees 2007 Ice Fishing Contest on Gull Lake.

Mark WØMH reported on BAARC's public presentation on Ham Radio during Community Service Day at the Westgate Mall on May 26th. In addition to many conversations raising public awareness of the valuable services by Ham Radio, this educational presentation spawned the idea in a non-Ham attendee to donate electronic equipment that could be sold by the BAARC at the upcoming Hamfest to raise funds and continue the good work. There was a recollection of a significant member who joined BAARC as the result of a similar effort at the East Brainerd Mall in previous years.

Field Day June 23rd and 24th – The permit is being processed.

BAARC Hamfest July 14th – A new Chili Maker has been recruited.

The June meeting is still being planned and e-mails will be sent to club members with details.

The August meeting is being planned for the Northland Arboretum.

Meeting was adjourned following a motion by Mike WAØLVG and seconded by Steve WØTNT.

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. 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>

The BAARC held a Special Event to tell the world about the Minnesota Walleye Fishing Opener. The theme was, "It Must Be The Water."

The BAARC Communications Trailer was set up at the Brainerd Lakes Area Chamber of Commerce Visitor Center about five miles south of Brainerd near Highway 371 on Friday, May 11th, and Saturday, May 12th.

The BAARC Antenna Trailer was parked behind and proudly displayed an American flag. This was one of the additions in the recent upgrade project.



Some 125 contacts were made on 20 meters around the country and beyond. One was to a station in Hawaii and another to Alberta, Canada. The weather was great and everything went well.



(l-r) The lower photo shows Special Event Coordinator David KCØTGT and Lyle KØLFV. Also participating in the event were Al WØRC, John WØJGY, Mike WAØLVG, Mark WØMH, Shirley KCØDCW, and Brian KØEOU.

There was a Ham Radio display in the Visitor Center with brochures. It also had a continuous PowerPoint presentation showing club activities in the past year. This is the same one that was used at the February club meeting.

A great time was had by all.



The Brainerd Area Amateur Radio Club held an ARRL VE testing session on Thursday, May 10th. Administering the exams were (l-r) Terry KIØFW, the local liaison Jim WØIRE, Paula WØHA, Mark



WØMH, Pat WØETY, and Dick WØECJ.

Craig Wenstrand, Sr., of Baxter passed the Technician test. James Tischler, KCØWME, went from Technician to General. David Fournier, KCØTGT, also went from Technician to General. John Luce, WØJGY, moved up from General to Extra Class. Congratulations to all.



John WØJGY brought a cake to the May 31st membership meeting. It celebrated new licenses and license upgrades at the testing session.

Spotted at the Saturday, May 5th, Hamfest in Superior: Lyle KØLFV, Al WØRC, Shirley KCØDCW, David KCØTGT, Jim WØIRE, and Mark WØMH.

5/31/07: The Gull Lake 443.925 MHz Repeater is down for repairs. Stay tuned for updates.

Lyle KØLFV, John WØJGY, Art NØTNJ, and Al WØRC attended the Dayton Hamvention in May.

Congratulations to Shirley KCØDCW for passing the test to become a General Class Ham.

If you have an idea for a meeting program, please let BAARC Vice-President, Jim WØYA, know. His phone number is 218-692-4030.

SK--Brother Mike Laux KØSXP: Mike passed away recently. In the past he was active on 2 meters and a member of the BAARC for some years. Living in Collegeville he was employed in Security for the St. John's University complex. He was always friendly. I first met him in my high school days on 75 meters AM. He was with the Order of St. Benedict working with the Red Lake Indian Schools during those days--later we connected on two meters via repeaters. Needless to say, he will be missed by his community and his many ham friends in and around Collegeville. *de Fritz WØKO*



Five years ago in the BAARCer: A May 31, 2002, fire raced through Barrows, MN, ravaging 700 acres and five structures. BAARC Hams helped with communications. They were coordinated by Al WØRC and Shirley KCØDCW. Also that same month, the new BAARC Communications Trailer was shown to the Club for the first time. It has been used many times since and will be used again at the upcoming ARRL Field Day near Crosby-Ironton on June 23rd and 24th. (photo by the Brainerd Dispatch)

FOR SALE: 48-foot Rohn 25 tower with two sets of guy brackets. Hy-Gain model EX 14 " Explorer 14," four-element, three-band beam for 10/15/20 meters. Highly rated on eham.net. To be sold as package for \$185.00. If interested, please contact Steve Weber at 218 828-1129 or Email: mrsteveweber@gmail.com



John WØJGY recently traded in his Ford Explorer for a new Ford F150 Pickup truck with topper. He added a High Sierra HF-1800, 160 to 6 meter motor-driven screwdriver antenna, on the left rear bumper. It takes 108 seconds to tune from one end of the coil to the other.

What is unique is that he used a tilt-over mount on the whip antenna, so it could go into his garage and through car washes. If you look carefully, you can see the whip in the horizontal position. To make best use of the antenna, he mounted it high above the bumper.

John installed a Kenwood D700 FM VHF/

UHF Transceiver in the truck. It is coupled to a Garmin 276C GPS receiver for APRS operation.

At the bottom is an Icom IC-7000 Transceiver that covers 70 cm to 160 meters. On the upper right is the screwdriver motor-control unit.

The mount swivels so radios can be accessed from four seats in the vehicle. Another idea that John likes is having speakers separated and on opposite sides of the cab so he can tell which radio the sound is coming from.

Good going, John!



Curt NØCRM and Mark WØMH (l-r) were at the Westgate Mall in Brainerd during **Non-Profit Day**, otherwise known as Community Service Day, on Saturday, May 26th. They were joined by Jim WØIRE and Paula WØHA, where the group had a table with the club banner in the commons area near Herbergers. The crew answered questions and informed the public about Ham Radio and the Brainerd Area Amateur Radio Club. The event ran from 9:30 AM to 6:00 PM.



Many ARRL brochures, the BAARC brochure, and old QST magazines were given away. A PowerPoint presentation, showing BAARC 2006 activities, was presented.

It was interesting to note that many mall shoppers were from the Twin Cities and other states. All in all, it was a fun day and good exposure for the BAARC.

Note: Curt NØCRM was first introduced to the Ham Radio hobby at a similar showing at the East Brainerd Mall about eight years ago. Since then, Curt has gotten his son Steve KCØYTE interested and active in Ham Radio. Who knows where it goes from there!

BAARC Members, can you help us with the Hamfest? It involves working a few hours on Friday, July 13th, starting at 3 PM to set up. On the day of the Hamfest, July 14th, we need people to generally assist where needed and help take down tables. It is over by 3 PM. **Fritz WØKO**

The snowbirds are back and visitors are passing through. You will hear new call signs on the repeaters. Please say "hi" and welcome them to the area whenever you hear one call.

Postage increase means a cost increase for the Club. You can save the BAARC time and money if you are able to read your monthly BAARCer on the Internet. More and more members are doing this. Mark WØMH has done an excellent job making accessibility easier and easier. Let Jim WØIRE know, so he won't have to generate an address label for you. **Fritz WØKO**

Periodical Exchange: Please bring any extra ham radio hobby magazines to the next BAARC Membership Meeting for exchange with others. It is a good way to help our fellow hams.

ARRL Kid's Day is June 16th. The event is intended to encourage young people (licensed or not) to enjoy Amateur Radio and it can give young people hands-on and on-the-air experience, so they might develop an interest in pursuing a license. It is intended to give hams a chance to share their station with their children. Suggested frequencies: 28350 to 28400 KHz, 21380 to 21400 KHz, 14270 to 14300 KHz and 2-meter repeaters.

The FCC call sign system has run out of KCØ calls and has begun issuing KDØ calls. Don't be surprised when you hear one. **Mark WØMH**



Brainerd Area Hamfest

Amateur Radio and Computer Equipment



ARRLSanctioned

Saturday, July 14, 2007, 9 AM to 2 PM

BRAINERD NATIONAL GUARD ARMORY (in Southeast Brainerd)
1115 Wright Street, Brainerd, MN — GPS N46-20.179, W94-11.543

Prizes / Food / Fun / Raffle

Our Biggest Hamfest Ever

Tickets at door \$5.00. Children under 12 free.
Parking is free. All events and sales indoors.
Tables \$10.00 each (best to reserve in advance).
WØUJ talk-in 147.225+ (no tone)
Chatter on 145.13- (no tone), 443.925+ 110.9 Hz, 53.110- 123 Hz.

Need not be present to win the Grand Prize. You must be present to win other drawings.

Free on-street parking. Food, beverages, commercial vendors, & door prizes.

75% of items to be sold must be Ham Radio/computer/electronics related.

Sponsor: BRAINERD AREA AMATEUR RADIO CLUB, INC. <http://www.brainerdham.org>

Lodging: <http://explorebrainerdlakes.com> and <http://www.brainerd.com>

Directions: From the south, come into Brainerd on Business Highway 371. A few blocks after the Ramada Inn (formerly the Holiday Inn), turn right on Wright Street. The Armory is about three blocks east on the left side. From the north, east, and west, go to the center of Brainerd and turn south on Highway 371 (also known as South 6th Street). Before the Ramada Inn (formerly the Holiday Inn), turn left on Wright Street. Go about three blocks to the Armory, which is on the left side of the street.

_____ cut & mail _____

Table Reservations for the Brainerd Area Hamfest on Saturday, July 14, 2007.

Admission ticket (\$5.00) required for each person to enter the display area.

Table reservations (\$10.00 each) do not include the \$5.00 admission per person.

NAME _____ CALL _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

E-mail address _____ Phone _____

Number of Tables _____ @ \$10.00 each = \$ _____

Number of Admission Tickets _____ @ \$5.00 each = \$ _____

Total amount submitted with this request \$ _____ No refunds

Electricity Requested _____ (Limited availability. First-come, first- served basis)

Make checks payable to: BAARC and mail to: BAARC 33247 E. Shamineau Dr., Motley, MN 56466

Provide SASE if you want tickets & table verification mailed. Otherwise, pick up at the side door.

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

6/03/07	Marcia	WØZMC
6/10/07	Bob	WØZPE
6/17/07	Charles	W5CCL
6/24/07	Alan	AAØAS
7/01/07	Skee	WØDCY
7/08/07	Lyle	KØLFV
7/15/07	Jim	WØIRE
7/22/07	Fritz	WØKO
7/29/07	John	KØJO

Can't make the schedule? Find a substitute operator. BAARC Sunday Night Net Control Coordinator is Fritz WØKO. Contact him to volunteer. finn.kraut@charter.net 829-1329.



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 Membership Meeting - - -

The June 28th Membership Meeting location and program have not yet been decided. An e-mail to all club members will be sent in advance of the meeting.

June 14th is US Flag Day. Fly yours proudly.

The Brainerd Area Amateur Radio Club will participate in the **Annual ARRL Field Day** on Saturday, June 23rd, and Sunday, June 24th. As last year, the Club will set up stations at the Cuyuna Country State Recreation Area near Crosby-Ironton, MN. It is always a fun event.



Don't miss the Brainerd Area Hamfest on Saturday, July 14th. See your Ham friends and help the Club by being a part of this annual event at the Brainerd National Guard Armory at 1115 Wright Street 9 AM to 2 PM. Contact Al WØRC to help in the effort.

United We Stand



FIRST CLASS MAIL
Address Correction Requested

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