



The BAARCeR



July 2013

For Anyone Interested in Amateur Radio

Page 1 of 8

Club Call Sign: WØUJ

BAARC REPEATERS
 53.110 MHz- 123.0 Hz
147.225 MHz+ (main rptr)
 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+
Crosby 146.700 MHz - 141.3 Hz
 Crosby 444.925 MHz +
<http://brainerdham.org>
President + WWW
Editor: Steve Mott NØCRM

Vice President:
 John Luce **WØWY**

Secretary:
 Ron Finger **KØGOP**

Treasurer:
 Doug Bergsnev **KDØERE**
Director-at-Large:
 Lyle Amundson **KØLFV**

BAARCeR Editor & Trustee--Fritz Bertelt
WØKO

INDEX

Meeting Mins.-KØGOP

DX Report— 3
 ARRL /Local News

Misc. Club info 4

Field Day Photos 5

Field Day Photos 6

Planning Mtg & Club Sales of Donations 7

Last Word—Updates Sunday Night Net 8

BAARC's 2013 Field Day Group at Crow Wing County Fairgrounds—Saturday, June 22, 2013



Pictured here (l-r): Jim WØYA, Skee WØDCY, Lyle KØLFV, Doug KDØERE, Jim K4UKE, Margo KK4DXE with dog, John WØWY, Al WØRC, Dave KØNRI, Steve NØCRM, Dave KBØSCT, Ron KDØGVD (GOP's brother-in-law from Bemidji), Ron KØGOP, Rick KDØVLR, Tom KØHHF, and kneeling Terry KIØFW. Despite the threatening WX conditions, the gang had fun. Non-Club members participated also. The various photos will show some of the station setups and some of the operators. (see pages 5, 6)

— **Events Calendar** —

Sat., July 6, Club Brkfst. @ 9 @ Northwind Grille in Brd.
Sat., July 20, Club Brkfst. @ 9 @ Northwind Grille in Brd.
Thurs., July 25, Club Meeting: Board @ 4 and Membership @ 7 @ Fire Hall.
Sat., Aug. 3, Club Brkfst. @ 9 @ Northwind Grille in Brd.

Check the Club's Website and Activity Calendar
Listen for Activity Updates on our Sunday Night Nets
 Encourage New Membership: Dues are still only \$20/year—a bargain for all you get. E-mail Doug for info: djbdesk@gmail.com

HAPPY INDEPENDENCE DAY
WE WISH OUR MEMBERS A SAFE 4TH OF JULY HOLIDAY

Thursday-June 27, 2013 - 4:00 PM - BAARC Board Meeting Minutes

Brainerd Fire Station

President: Steve Mott, NØCRM

Vice President: John Luce, WØWY

Treasurer: Doug Bergsnev, KDØERE

Secretary: Ron Finger, KØGOP

Past Presidents: Charles Lane, W5CCL, Al Doree, WØRC

Community & Special Events Director: TBD

Director-At-Large: Lyle Amundson, KØLFV

Emergency Communications Director: John Luce, WØWY

Repeater Trustee: Fritz Bertelt, WØKO

Attendees: Steve NØCRM, John WØWY, Doug KDØERE, Ron KØGOP, Lyle KØLFV, Al WØRC, Shirley KØDCW, Roger WØWUG, Dave KØNRI, and Dave KBØSCT.

Secretary's Report: Membership is now at 81 with the complimentary first-year memberships from the recent HAM Classes. Several new ID badges have been made for new members. **Motion to accept:** John WØWY, **Second** Al WØRC, **Passed.**

Treasurer's Report: Report given showing all month's account transactions and balances to date. Included were details from the recent Spring Banquet with a small shortfall due to a few non-attendees. **Motion to accept:** John WØWY, **Second** Lyle KØLFV, **Passed.**

Membership Meeting Program: Program Calendar topics were discussed. Ron KØGOP will give a July 25 program on **Civil Air Patrol Communications**, and its mission. Saturday, August 24, has been selected for the **Annual BAARC Fox Hunt & Picnic** at Lum Park (no membership meeting). Roger WØWUG will present a program on **Station Grounding** for the September 26 meeting. October 24 has been designated for our **BAARC Open House** meeting. Among other topics of interest to the public will be a demonstration of digital modes by Ron KØGOP and Al WØRC.

Digital & Emergency Communications: Crosby Tower: John WØWY gave a report on the now-complete tower project at the Crosby repeater site. Final antenna hookup and testing have been completed and details will be presented to the Club during the evening program. John WØWY will get a total for the final bill to be reimbursed by the Club. The Board discussed cashing a Club CD at maturity, and will use this for part of the funding. **Motion: John WØWY, Second Al WØRC, Passed.**

The Board thanked John and Al and the many other Club members who assisted in this project over the past year.

ARES: Roger WØWUG and Al WØRC will coordinate reprogramming the 21 donated county-owned Motorola VHF HT's for BAARC amateur use.

Old Business:

Al WØRC reported on the successful relocation of the Echolink and APRS equipment to the Brainerd "High Rise" location.

John WØWY will pursue an MOU regarding Club duties for site maintenance (mowing, weed spraying) in consideration for our ongoing tower use at the new Crosby site.

New Business:

On display at the meeting were 2 lots of recently donated equipment to the Club. A donation of 3 VHF vertical antennas and 3 boxes of various amateur radio equipment by Helen Loing, NØWSF, of Princeton, MN, will be added to the Club inventory for future use or sale. More than 20 containers of various radio/electronics parts were donated by Bill Kell, KØFWW, who is moving to a covenant restricted apartment in Sauk Rapids. These items will be offered to members for a Club donation at the evening Membership meeting.

The business meeting was adjourned at 4:45 PM.

Thursday-June 27, 2013 - 7:00 PM - BAARC Membership Meeting Minutes

Brainerd Fire Station

Attendees: The President opened the Club membership business meeting at 7:05 PM with 21 members and guests present. During introductions, three new area HAM/visitors were welcomed; one visiting from Honolulu, Hawaii.

Information supplemental to Board Meeting Minutes: The new Crosby Repeater 2m tone has been adjusted to prevent interference from a high-power repeater operating on the same frequency in the Minneapolis metro area. The 146.700- now uses a PL tone of 141.3 Hz, which can also be applied to the CTCSS to prevent interference on the input side as well.

Our visitor from Hawaii, Bill KH6OO, invited Club members to participate in the **Hawaii QSO Party August 24-26**. The Battleship Missouri Amateur Radio Club will be operating from its shipboard station in SSB, CW, and digital modes on 10, 15, 20, 40, 80, and 160m. For more information, visit: <http://www.hawaiiqsoparty.org/>

The business meeting was adjourned at 7:24 PM with a presentation on the Crosby Tower Project and Field Day 2013 to follow.

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

DX and the Paper Chase

Samuel Morse's first telegram was sent 144 years ago. Telegraphy changed the world and how we communicated. The final telegram will be sent from India on July 14, 2013, and so goes another communication mode into history. The last telegram sent in the United States was 7 years ago. The telegraph's hey day peaked in 1985 when there were 45,000 telegraph offices and 60 million grams were sent annually. Today there are only 75 telegraph offices in the world and by the end of July, the smart phone will have buried commercial telegraphy.

However, the CW mode, I'm happy to report, is still alive and flourishing on the Ham bands. The mode will be kept alive by those in the hobby who realize its importance in communicating and having fun with a mode that refuses to give in to the smart phone. CW will survive as long as the fraternity of operators (which is growing) sends its last two dits. About half of my DX chase is now done with CW and I'm enjoying the hobby more than ever. I didn't get serious about CW until my 83rd year and now I'm wondering what took me so long. It's often said that there's something for everyone in the hobby—my something has become CW and I'm just a beginner. The bands over the past 30 days might be described as the good, the bad, and the ugly. The good brought about some fabulous openings worldwide, and the ugly brought so much noise that it caused me to give up for a day or so. The debate continues over Cycle 24, but one thing that everyone agrees upon is that it's one of the weakest cycles on record. I continue to work HF every day in-between chores and honey do's, and I don't let either one get in the way of radio...That's about it from Huntersville for now, but please sit down at your station and call CQ because someone somewhere is listening for your signal...so long for now, 73 and good DX from Bob/WØZPE

Thank You Note from Al WØRC

I would like to thank Lyle KØLFV, Ron KØGOP, Dave KØNRI, and Shirley KØDCW for helping me move the Echo Link 2 M node from the South Campus Brainerd High School to the Brainerd High Rise and getting the antenna installed, the node working, and Internet connection. I would not have been able to do this without their help.

Also as of June 18, 2013, the new tone on the Crosby 146.700 repeater is now 141.3 Hz. We would like to have some reports about the coverage of the Crosby repeater.

In addition, the APRS I-Gate is up and running again—so is the Echolink 145.130 —located at the High Rise. Our thanks also to all who helped do this work.—73, Al WØRC

Note from BAARC Field Day Chairman KØLFV

We had a great group of participants, even though the atmospheric conditions could have been better: high noise/static levels. Nevertheless, the camaraderie was great. Overall, we adjusted to the conditions and called it a learning experience. We counted 21 Hams as participating, some of them are pictured in this BAARCer. Some even brought spouses, kids, and grandkids. My thanks to all who pitched in and made it memorable---included was a great potluck supper---certainly a MN tradition.—73, Lyle KØLFV

24th Annual “TOUR OF THE LAKES BICYCLE RIDE”

The Brainerd Area Amateur Radio Club had thirteen Radio Operators working communications for the Tour of the Lakes Bicycle Ride on Saturday, June 1, 2013.

The Tour of the Lakes Bicycle Ride had 1190 riders this year. The riders could take the short route of 35 miles or the long route of 65 miles.

We used the new repeater on 146.700 for all of our operations. The new repeater worked great. We had excellent Net Control operators with Steve NØCRM, Al WØRC and Terry KIØFW assisting. Net Control tracked all the SAG’s using APRS. We had three operators working SAG Wagons with the Mechanics; John WØWY was SAG #1, Shirley KØDCW was SAG #2 and Alan AAØAS was SAG #3. Terry KIØFW was an excellent Shadow for our TOL ride director. Our rest stops were covered by Doug KDØERE at the Deerwood Wild Rice Plant, Dave KBØSCT at the Green Lantern, and Jim WØJDS at the Loon Lake Public Access. Our Rover was Roger WØWUG. Critical corners were covered by Dave KØNRI, Kevin KAØWJC and Skee WØDCY.

We had no emergency events, just a lot of sore knees and ankles. Riders had a lot of flat tires this year, and they kept our SAG’s very busy.

The “Tour of the Lakes” hosts thanked the BAARC for an excellent job well done.

Thank You to all BAARC radio operators for working this event.

Al & Shirley, WØRC & KØDCW

Letter Code Word Pronunciation

| | | |
|---|----------|--------------|
| A | Alfa | AL fah |
| B | Bravo | BRAH voh |
| C | Charlie | CHAR lee |
| D | Delta | DEL tah |
| E | Echo | EKK oh |
| F | Foxtrot | FOKS trot |
| G | Golf | Golf |
| H | Hotel | HO tell |
| I | India | IN dee ah |
| J | Juliet | JEW lee ett |
| K | Kilo | KEY loh |
| L | Lima | LEE mah |
| M | Mike | Mike |
| N | November | NOH vem ber |
| O | Oscar | OSS car |
| P | Papa | PAH pah |
| Q | Quebec | keh BECK |
| R | Romeo | ROW me oh |
| S | Sierra | see AIR ah |
| T | Tango | TANG go |
| U | Uniform | YOU nee form |
| V | Victor | VIK ter |
| W | Whiskey | WISS key |
| X | X-ray | EKS ray |
| Y | Yankey | YANG kee |
| Z | Zulu | ZOO loo |

The International Phonetic Alphabet

During World War II, the US developed one phonetic alphabet for use by both the Army and Navy to promote better inter-branch communication. This Army/Navy Alphabet was used until 1956, when it was replaced by the ICAO/NATO alphabet, and although outdated, is still used by many who were in the US military at that time.

Certainly, these are familiar to international pilots and , of course, us amateur radio operators.

By using these to spell your name, call sign, etc, you create greater accuracy. Plus, they are standard—so hams here and across the world understand them—even those who do not speak English.

BAARC received a nice Thank-You Note and \$250 from the Brainerd Jaycees: The note says: ” **Dear Brainerd Area Amateur Radio Club. Thank you all very much for all your help and hard work in coordinating the radio communications for the Run for the Lakes Marathon. The service your group provides is essential to the flow of the event. This year, as with other years, we received many comments from race participants on how friendly and helpful all the course volunteers were. This overall atmosphere is an element of the success of this event. Sincerely, *Nate Peters*, Brainerd Jaycees Run for the Lakes”**

Field Day Photos by Fritz WØKO



Ron KØGOP on the left in his military style communications unit.



Top right is Rob KDØVJM and his son Joe with Skee WØDCY on the right. Skee showed them his totally “green” operation with the solar cell charging the storage battery. Middle on left: Steve NØCRM with Dave KBØSCT with Dave’s generator in the trailer. Yes— he is definitely prepared for FD.



In John’s trailer: back to front— John WØWY, Steve NØCRM, and Dave KØNRI (formerly KDØNRI). Congrats on the shorter call sign!

More FD photos of our Club Members enjoying the yearly event.



On the left is Al WØRC ready to do some CW. Notice the J-38 straight key next to the rig. In the middle photo at the other end of our communications trailer are (l-r) Jim WØYA, Lyle KØLFV (the BAARC's Chief Field Day Coordinator), and Doug KDØERE, all waiting to take turns at the station.



Above is the FD crew having a potluck supper at the fairgrounds site Friday. Our thanks to Al and Shirley WØRC & KØDCW for providing this photo.



On the left: Terry KIØFW getting a big lift from Tom KØHHF with the antenna mast. Terry traditionally experiments with various antennas for FD operations.

++++
 As was mentioned at the June meeting, FD is always an opportunity to learn something and be prepared for the unexpected. We learned about a LAN, logging programs, WX conditions, propagation, and improvisation—doing the best with whatever you have on hand to solve a problem and get on the air.

May 28, 2013, Planning Session for BAARC Repeaters, Field Day Event, Plans for Club, Communications Trailer, etc.



Pictured are those who gave input: (back row, l-r) Skee WØDCY, Jerry WØXU, Roger WØWUG, Steve NØCRM, Dave KØNRI, Dave KBØSCT, Lyle KØLFV, Ted KCØVTM, Rob KDØVJM: (front row, l-r) Al WØRC, Ron KØGOP, Terry KIØFW. Photo by Fritz WØKO.

Repeater Update: WØRC reports that the APRS I-Gate is up and running again—so is the Echolink 145.130 —both located at the High Rise. Now the 146.70 repeater in Crosby has a new tone: 141.3 Hz. Check out the coverage of this machine. Our thanks to Al & others for doing this work. See related note on p. 3.

+++++

Club Items For Sale: Yaesu FT 900 HF, with built-in tuner, runs on 12v.; Yaesu Station Spkr., FT 2400 2m. rig, Astron RS 20 supply; FT 530 dual-band HT with new battery, speaker mic, case; Icom T7H dual-band handheld, MFJ 784 Tunable DSP filter; MFJ 986 3KW Tuner; Dentron 160-10 KW Transmatch, MFJ 546B Iambic Key Paddle, various non-ham speakers, MFJ 247 HF Antenna Analyzer, Yaesu YSK 900 Separation kit; MFJ Keyboard Keyer; Microcraft Code Star; Microcraft Code Breaker; RF Concepts 2m 1-60 amp., Seth Thomas 24hr wall clock; misc. items, mobile ants, older computer keyboards. Yet to be taken down—64ft. tower, Moseley TA53M 5-band 4 ele. Yagi, HF vertical—possibly Cushcraft R7?. What do you need? Prices negotiable. However, we need take-down help with antennas. Good deals for members. Contact Fritz WØKO <w0ko@arrl.net> Most items are from the Gibson donation. Also see p. 8.

SUNDAY NIGHT NET OPERATORS

| | | |
|---------|--------|--------|
| 7/07/13 | Marcia | WØZMC |
| 7/14/13 | Bob | WØZPE |
| 7/21/13 | Doug | KDØERE |
| 7/28/13 | John | WØWY |
| | | |
| 8/04/13 | Rick | KBØWWJ |
| 8/11/13 | Rick | KBØWWJ |
| 8/18/13 | Bob | WØZPE |
| 8/25/13 | Marcia | WØZMC |

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

SIMPLEX NET IS OPTIONAL

Our thanks to all NCS Volunteers.

FOR SALE: Drake TR4 XCVR, matching power supply & speaker—a complete station for \$450. Kenwood MC-50 microphone, Signal Crafters 30 Pwr meter /bridge. Also EF Johnson Kilowatt Matchbox—super shape—\$400. Contact Jerry WØXU's cell ph.@ 218.2251.2493.

Vanity Call Sign Fee: The FCC is proposing to raise the fee for these 10-year licenses by \$.20 to \$15.20. The fee has ranged from a high of \$70 at first to a low of \$11.70.

Looking for Gear? The Club has been the recipient of radio equipment donations that are for sale. Lyle KØLFV and Fritz WØKO are people who are handling the sales for the BAARC. <k0lfv@arrl.net> and <w0ko@arrl.net> LET US KNOW WHAT YOU NEED? See p. 7—Most recent donation—more info on nets or e-mail us.

Boy Scout Jamboree Events this Summer and Fall

You can check out the events, dates, times, and frequencies via this website: <http://www.k2bsa.net/jamboree-live/> Thanks, Lyle KØLFV, for the information.

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