



# The BAARCer



JULY 2015

For Anyone Interested in Amateur Radio

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**Club Call Sign: WØUJ**

**BAARC REPEATERS**

53.110 MHz- 123.0 Hz  
**147.225 MHz+** (main rpt) r  
 145.130 MHz- Echo Link  
 Node number 233515  
 443.925 MHz + 110.9 Hz  
**Packet:** 145.670 MHz  
 MNBRD, BRDBBS  
 144.390 WØUJ APRS  
**Crosslake** 147.030  
 MHz+  
**Crosby** 146.700 MHz-  
 Tone 141.3  
**Crosby** 444.925 MHz +  
<http://brainerdham.org>

**2015 OFFICERS**

**Pres. + Web Editor:**

Steve Mott      **NØCRM**

**Vice President:**

Lyle Amundson   **KØLFV**

**Secretary:**

Ron Finger      **KØGOP**

**Treasurer:**

Doug Bergsnev   **KDØERE**

**Director-at-Large:**

Al Doree      **WØRC**

**Trustee + BAARCer**

**Editor:**

Fritz Bertelt    **WØKO**

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## FIELD DAY 2015 at Fairgrounds with BAARC Members



The 7-stations were set up: (1) The Large Club Trailer was set up with the Beam Antenna on a 28 foot tower and also with a G5RV dipole. (2) The Small Club Trailer was set up with a HF Vertical & a number of different dipole antennas were assembled and used. In it were John WØWY, TJ KØTEG, and past VP Jim WØYA. (3) Terry KIØFW was set up with a home brew antenna mounted on the old Club's Tower Trailer. (4) Ron KØGOP was set up in his Military Style Trailer and operated only the Digital modes. (5) Dave KØISZ (top) had his trailer set-up and also was using a dipole antenna. (6) Mitch ADØHJ was being very creative in renting a U-Haul Truck for his FD Operations. Last year he was in a tent and did not want to get rained on again. (7) Michael KEØAFY operated from the base of his antenna using a very comfortable folding chair, and table.

— **Events Calendar** —

**Sat., July 4, Club Breakfast @ 9 @ Northwind Grille—Brd.**

**Sat., July 18, Club Breakfast @ 9 @ Northwind Grille—Brd.**

**Technology Group Mtg after the BRKFST—to be held at Brd. Lib.**

**Thurs., July 30, BAARC Board & Membership Mtg. @ Fire Hall @ 4 & 7.**

**Breakfasts on the 1st and 3rd Sat. of August @ 90 at the Northwind Grille in Brd.**

**Sat., Aug. 22. Annual BAARC Fox Hunt and Picnic @ Lum Park—details on nets and mtg.**

**Sat., Aug. 29—Free BAARC Tailgate Hamfest at Crow Wing County Fairgrounds. SPREAD THE WORD IN YOUR QSOs.**

**Sun., Aug. 30—Annual Lakes Country Triathlon—operators needed**

**Join/Rejoin— \$20 Dues yet for 2015?—Please get your check in to  
Doug KDØERE.**

# Field Day Photos

Top left photo is of Stan **K3JKW**—taken by his visiting twin brother Steve **KR9N**.

Lyle **KØLFV** and Dave **KDØVJL** working to assemble the Yagi. The antenna below looks like a Hex-Beam.—These photos by TJ **KØTEG**.

Lyle after fixing the yagi below. Other photos below by Lyle **KØLFV**.



Left is Ron **KØGOP**'s military-style rig. Top is Terry **KIØFW**'s FD antenna.

**Thursday-JUNE 25, 2015 - 4:00 PM - BAARC Board Meeting Minutes****Brainerd Fire Station**

**President:** Steve Mott, NØCRM  
**Vice President:** Lyle Amundson, KØLFV  
**Treasurer:** Doug Bergsnev, KDØERE  
**Secretary:** Ron Finger, KØGOP

**Past Presidents:** Charles Lane W5CCL, Al Doree WØRC  
**Director-At-Large:** Al Doree, WØRC  
**Repeater Trustee:** Fritz Bertelt, WØKO  
**Emergency Communications Director:** John Luce, WØWY

**Attendees:** Steve NØCRM, Doug KDØERE, Lyle KØLFV, Ron KØGOP, Al WØRC, Shirley KØDCW, Roger WØWUG, and Dave KØISZ.

**Secretary's Report:** May Meeting Minutes were published in the June 2015 BAARCer; no corrections were noted. The website and Google Calendar were updated. Membership roster shows 69 members, with 57 paid for 2015.  
**Motion to accept:** Lyle KØLFV, **Second** Al WØRC, **Passed.**

**Treasurer's Report:** Treasurer's report submitted showing all month's account transactions and balances to date.  
**Motion to accept:** Al WØRC, **Second** Lyle KØLFV, **Passed.**

**Membership Meeting Program:** Steve NØCRM reviewed recent and future Club programs and events. Future Club programs are: **August 22**, Mitch ADØHJ and Michael KEØAFZ on **HF dongles**, and **September 25. Civil Air Patrol SAREVAL Communications** by Ron KØGOP. The **Holiday meeting dates** will be November 19 and December 17.

**Upcoming Events:** The next Club events will be the **BAARC Fox Hunt and Picnic, Saturday August 22** at Lum Park, Brainerd, and the **Free BAARC Tailgate Hamfest, Saturday August 29** at the CWC Fairgrounds.

**Digital & Emergency Communications:** Lyle KØLFV announced the Club has purchased the 4th and final Fusion Digital Repeater under the discounted Yaesu purchase program. The Club now has several new repeaters and antennas for site upgrades.

Two recent Club projects involved raising a new repeater antenna on the Brainerd High-Rise site and moving Club station radios from the old EOC to the new EOC location. Installation of the new Fusion repeater at the Crow Wing Power site is expected within 3 weeks. Roger WØWUG addressed the board with a suggestion to move the 147.225 repeater back to the CWP site. Lyle will coordinate a meeting of the Club Repeater Board to address that issue. The former South Brainerd repeater site is now completely vacated.

Al WØRC reported a breakthrough in the programming and operation of the Fusion Repeater Interface Box. Another Interface purchase in the amount of \$500 was requested for future use.

**Motion to accept:** Lyle KØLFV, **Second** Doug KDØERE, **Passed.**

**New Business:** In a question brought before the board, it was determined by review of the Club By-laws, that the Director of Emergency Communications (as well as all Club Directors) has Board voting privileges. Also discussed was the question of whether to abandon the Gull Lake tower site or not; no decision was made at this time.

It was noted that our hard-working Club Newsletter Editor and Repeater Trustee, Fritz WØKO, was hospitalized recently for a scheduled procedure. The Secretary will send a get-well card on behalf of the Club.

The board meeting was adjourned at 5:00 PM.

**Thursday- JUNE 25, 2015 - 7:00 PM - BAARC Membership Meeting Minutes****Brainerd Fire Station**

**Attendees:** The President opened the Club membership business meeting at 7:00 PM with 20 members and guests present.

**Information supplemental to Board Meeting Minutes:** Lyle KØLFV and Ron KØGOP presented several topics about the upcoming June 27-28, 2015 ARRL Field Day activities.

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

FD photos provided by Lyle KØLFV.



Top left are l-r John WØWY, TJ KØTEG, and past VP Jim WØYA operating from the small Club trailer. Below in the U-Haul is Mitch ADØHJ, who did not want to get wet again like last year, so he rented this unit for FD and apparently stayed dry and had fun.

Bottom left in the great outdoors is Michael KEØAFY. Even though the sun must have been hot, he managed to make FD contacts and also enjoyed himself.

These photos supplied by Lyle KØLFV.



**Station Equipment moved to the Basement of LEC:** On Friday, June 12th, in the early afternoon, after just having dismantled the donated tower described on p. 6, that same team of four industrious members moved our gear from the basement of the Court House to the basement of the Law Enforcement Center. This is all part of improving the BAARC's ability to communicate using its gear and thereby helping the area with its emergency communications. As background—many of you will recall the neat installation we had at the School's South Annex with the 60-foot tower and 5-band Yagi, vhf and uhf antennas on it. Then after many years of a good relationship with school officials, the powers that be forced the Club to move out. Many of our supporters within the District were not happy, and, of course, we were not either. We felt we were helping with the STEM program, conducting licensing classes, bringing residents into this public service hobby—all benefited the school system and local units of government. Initially, and unfortunately for a non-profit like the BAARC, this move created a lot of extra work and expense, in addition to increased anxiety. But that is in the past—now we move on to better. **The positive is that now this phase of the work is done and we owe big thanks to Lyle KØLFV, Al WØRC, Terry KIØFW, and Dave KDØVJL.** More Club improvements are coming, so stay tuned, attend the meetings, and join us at the breakfasts.

**DX and the Paper Chase**

When we upgraded to HF privileges, no rose garden came with the upgrade. Certainly the past month or so was no rose garden as the bands provided us with QSB, white noise, and poor signals. Sort of reminds me of the Cycle 23 doldrums that provided hardly any readable signals but lots of noise. Does this mean there's nothing out there because you don't hear anything across the bands? No way. You have to sit down and call CQ if you expect to hear another signal. I subscribe to it because it works. I worked two new ones these past 30 days even with poor conditions. I worked Timor-Leste (4W) on CW and the best of all was Palau (T8) on 17-meters phone. One afternoon I sat down at my station, turned on the radio as another station was calling CQ North America—it was an operator on the Island of Palau. My beam was pointed due north, my amplifier was off, and my logging program was still not up and running. I did not hesitate one moment in answering his CQ and logged an ATNO (all time new one). So, what's the point? The point is that if your equipment is attracting dust and not operating, you're not going to get that great DX that's out there. As for the paper chase, I boxed up 104 QSL cards arranging them as per instructions from the DXCC desk and mailed them off to ARRL Headquarters to receive my endorsement for DXCC 300. This was my goal from the get-go, and now I've upgraded my goal to Honor Roll and if I'm around long enough and the bands cooperate, I'm going to make it. This is a great hobby, enjoy it to its fullest. Sit down at your station and call CQ because someone somewhere is listening for your call, don't disappoint anyone. So long from Huntersville for now, best 73 es gud DX from **Bob/WØZPE.**

**FD Report from info supplied by Lyle and Ron:** Here is a list of people who participated and visited our F/D Event. Brian KØEOU, Leon KDØAFY, Lyle KØLFV and son Matt KCØNAF, Terry KIØFW. John WØWY, Dave KCØTGT, Doug KDØERE and spouse Judy, Steve NØCRM, Jim WØYA, Dave KDØVJL, TJ KØTEG, Dave KØNRI, Mitch ADØHJ, George WDØHXR and friend Bonnie, Ron KØGOP, Shirley KØDCW, Al WØRC, Roger WØWUG, Stan K3JKW with twin brother Steve KR9N, Dave KØISZ and Michael KEØAFZ. **Photo: l-r—Stan, Lyle, and Leon—photo by KØLFV**



Total Contacts by Operator:

Operator	Total	%	
KØGOP	105	27	RON
KEØAFZ	67	17	MICHAEL
KØLFV	61	15	LYLE
NØCRM	57	14	STEVE
ADØHJ	40	10	MITCH
KIØFW	36	9	TERRY
WØWY	17	5	JOHN
KØISZ	8	1	DAVE
K3JKW	8	1	STAN
KØTEG	5	1	TJ

**26th Annual Tour of the Lakes Bike Ride—Photos below thanks to KDØPDB**

The BAARC supported the 26<sup>th</sup> Annual Tour of the Lakes Bike Ride on Saturday, June 6, 2015, with 15 radio operators. All five of our SAG Wagon operators were using APRS.

The 2015 TOL Bike Ride had 996 riders. There were two entirely separate routes this year. The TOL Bike Ride started from the Crow Wing County Fairgrounds and went North and South. The short route was 35 miles long and went East and South to the CW State Park and back on the Paul Bunyan Trail. The North route was 65 miles long and went north towards Deerwood and the CW Co. Park on Larsen Lake and back to the Fairgrounds. The two separate routes spread out our operators but everyone did a great job.

Thank you to Steve NØCRM for a great Net Control job; Al WØRC for handling the APRS; Ron KØGOP for setting up our internet connection in the trailer; our SAG Wagon operators: John WØWY, Shirley KØDCW, Dave KØISZ, Jim WØJDS, and T.J. KØTEG. Roger WØWUG was our rover. The three rest stops were covered by Doug KDØERE, Mitch ADØHJ, Geoff KDØPDB, Michael KEØAFZ, and Orcy WØQT. Terry KIØFW was our shadow for our bike tour organizer and Alan AAØAS was our back-up floater.

The TOL Bike Ride organizers gave us a big thank you and were very happy with our service. Thank you to all our operators!

**Submitted by: Al and Shirley, WØRC & KØDCW**



**Antenna Project Completed**

On **Saturday, May 30**, Ron KØGOP, Mitch ADØHJ, TJ KØTEG , Michael KEØAFZ, and Al WØRC met for breakfast at the North Winds Grille on an off weekend for the purpose of installing a new antenna for the 145.13 repeater.

The new antenna is 20 feet long, so it would not fit in the elevator. Consequently we had to pull it up from the ground. We had to drop a line over the side of the 12-story building and pull it up to the roof. It was pulled up on the west end of the building where there were no windows, so as not to cause any undue alarm from residents. The antenna was then raised to the roof off the penthouse and mounted on an open antenna mount. The job went very well and is now ready to be connected to the repeater.

**Info supplied by Al WØRC.** (TNX, guys, for doing this necessary work for the BAARC.)

**Friday, June 12, 2015 — Club Antenna Tower Takedown Project :** These five guys pictured here worked to take down the donated Glenn Martin 40-ft. aluminum tower with hazer, hinged base, winch and HD thrust bearing. This deluxe tower (like new) is for sale by the BAARC. These guys worked on a hot, sunny, insect-happy morning.



Our thanks to Lyle for organizing the crew. The donation was from the Jim Brown, W9VEQ (SK) estate. Dave KØTGT (above left) was a big help with his Auto Smith tow truck and winch. BTW, they provide good service in the area. Call them @ 218 390 5715—Ironton. Upper right is Al WØRC. Below him is Dave KØVJL working on the base. To the bottom on the right are Lyle KØLFV and Terry KØFW separating sections of the tower. **Thanks to Lyle, the Tower was sold later for \$600.** Photos & expert supervision provided by Fritz WØKO. Of course, the supervision part is a lie—these BAARC troopers don't ever need any.

**SUNDAY NIGHT NCS OPS**

07-05-15	Rick	NØBJN
07-12-15	Dave	KCØTGT
07-19-15	Tim	KDØYLO
07-26-15	Tim	KDØYLO
08-02-15	Rick	NØBJN
08-09-15	Dave	KCØTGT
08-16-15	Fritz	WØKO
08-23-15	Tim	KDØYLO
08-30-15	Tim	KDØYLO

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

**Would you like to take a turn at NCS?**

**Happy Independence Day: Make it safe and fun.**  
**News: Hexbeams manufacturer Traffie is discontinuing products. —From ARRL.**  
**Have an Apple I Computer? It might be worth as much as \$200K.**  
**Congrats to Treasurer Doug KDØERE on his retirement.** A get-together was held in his honor on Tues., June 16th, in Crosby. Doug, now enjoy the fruits of your labor with Judy and family.  
**For Sale: My Icom 756 Pro II—excellent condition. I can demonstrate it and will guarantee it. Originally enabled for 60 meters by Icom Service Dealer—also recently reconditioned. Will guarantee it to any local pick-up buyer. If interested to try unit out first, e-mail Fritz WØKO.**  
**To Honor Hams and their Public Service Work,** our Gov. Mark Dayton proclaimed a Radio Day Proclamation to coincide with Field Day this past weekend.  
**Fritz says TNX to the BAARC and members for their cards/cheery wishes. He is doing well.**

United We Stand



**First Class Mail**  
 Address Correction Requested

Brainerd Area Amateur Radio Club  
 c/o M. Fritz Bertelt WØKO  
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 Brainerd, MN 56401