



The BAARCer



June 2012

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 rpt)
 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+
<http://brainerdham.org>

OFFICERS

President + WWW

Editor:

Steve Mott **NØCRM**

Vice President:

John Luce **WØWY**

Secretary:

Ron Finger **KØGOP**

Treasurer:

Doug Bergsnev **KDØERE**

Director-at-Large:

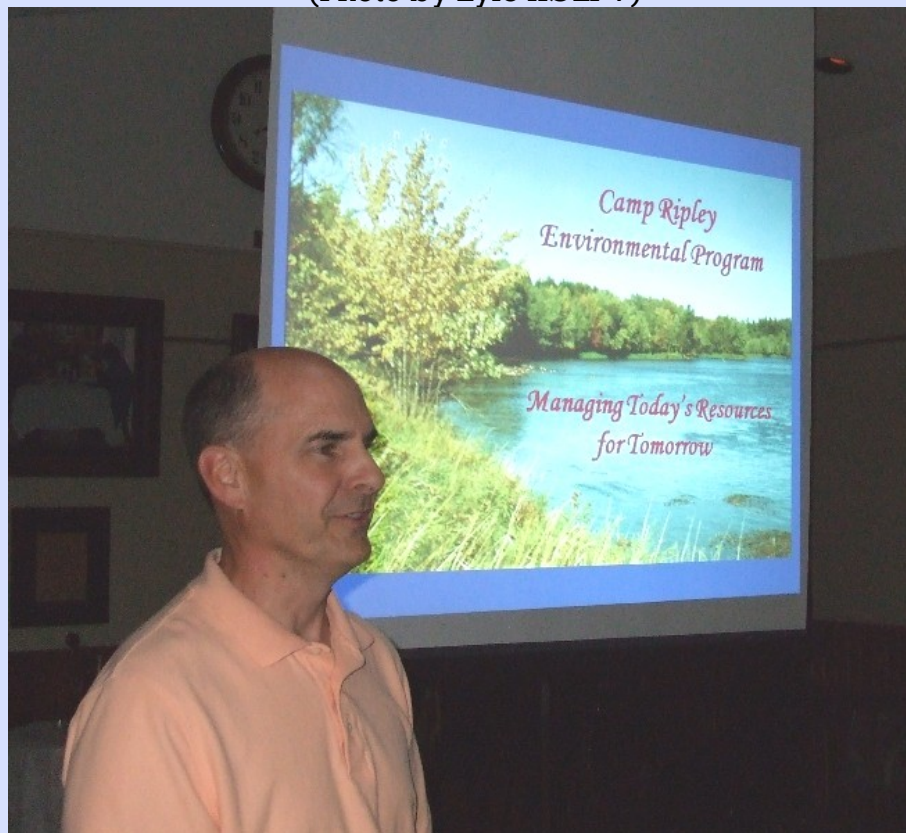
Lyle Amundson **KØLFV**

Trustee + BAARCer

Editor:

Fritz Bertelt **WØKO**

**BAARC's Annual Dinner 5-24-12 Featured Brian Dirks of the MN DNR: His most interesting topic: "Tracking Wild Animals."
 (Photo by Lyle KØLFV)**



The tracking of Minnesota's wild animals is done by radio. That is why hams are interested in this topic—especially also when the subjects are close to us: Camp Ripley and nearby areas—often even farther out.

Index

Mtg. Minutes-	2
ARRL News	3
Club's Field Day Info	4
Run-for-the-Lakes DX REPORT	5
Club's For Sale List KØLFV	6
“ “	7
Last Word—Updates Sunday Night Net	8

— Events Calendar —

Sat., June 2, Tour-of-the-Lakes Bike Ride. Volunteers needed.

Sat., June 2, Club Brkfst @ 9 @ Northwind Grille in Brd.

Sat., June 16, Club Brkfst. @ 9 @ Northwind Grille in Brd.

Sat. & Sun., June 23 & 24—Annual ARRL Field Day—

Details p. 4—KØLFV —Watch for Media Releases on this event.

Thurs., June 28, Club Mtgs: Board @ 4 and Regular Membership Mtg. @ 7

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

Thursday - May 24, 2012 – 4:00 PM - BAARC Board Meeting Minutes

As typical, no Board Meeting was held for May, due to the Spring Dinner.

**Thursday - May 24, 2012 – 6:45 PM - BAARC Membership Meeting Minutes
Nisswa American Legion Banquet Room**

President: Steve Mott, NØCRM
Vice President: John Luce, WØWY
Treasurer: Doug Bergsnev, KDØERE
Secretary: Ron Finger, KØGOP
Director At Large: Lyle Amundson, KØLFV

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

The President opened the short business meeting at 6:45 PM with 19 members and guests in attendance. The May 2012 Minutes were approved as published in the BAARCer. The Treasurer's Report was given, discussed, and approved by John WØWY and Al WØRC.

Upcoming Events: The **Tour-of-the-Lakes Bike Ride** will be held on Saturday, June 2nd. Volunteers were requested to sign up for the several remaining positions by contacting co-chairs Al WØRC and Shirley KØDCW. Volunteer operators will report to their assigned positions prior to 8 AM Saturday. Lyle KDØLFV will be working with interested Club members on plans for the **2012 ARRL Field Day** over the June 23rd-24th weekend.

Digital & Emergency Communications: John WØWY reported on his recent trip to the **Dayton Hamvention** with his son and newly licensed amateur radio operator Fred, WØJGY (his dad's old call sign). Among the many interesting workshop/seminar choices, John attended an APRS session with APRS inventor Bob Bruninga WB4APR. Bob originally used his GPS driven system in 1984 to track horses. The sprawling flea market is always a favorite pursuit and John noted one vender was selling decommissioned ATM machines, while another offered lock-picking kits. Several members followed John and Fred's trip on aprs.fi.

Old/New Business: Steve NØCRM spoke briefly on SKYWARN, and then introduced the Spring Dinner speaker Brian Dirks from the MN DNR's Camp Ripley office.

The meeting was adjourned at 7:00 PM for the dinner presentation on **Radio Tracking**.

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

ARRL News: From the ARRL Letter 5-31-12—continued on next page

Tad "[All spheres, grown, ungrown, small, large, Suns, moons, planets](#)" Cook, K7RA, reports: The average daily sunspot numbers sank more than 28 points this week (nearly 26 percent) to 81.9, while the average daily solar flux declined more than 16 points to 111.6. No new sunspots appeared since May 25. The short term outlook is for lower solar activity, with the solar flux peaking around 120 on June 5-15 and July 1-12. The latest prediction has solar flux at 110 on May 31-June 2, 115 on June 3-4, 120 on June 5-15, then 115 on June 16-18, 110 on June 19-26 and 105 on June 27-28. The predicted planetary A index is 5 on May 31-June 2, then 10, 15, 18, 15 and 8 on June 3-7, 5 on June 8-11, 8 on June 12-13, 5 on June 14-17, and 15, 12 and 8 on June 18-20, and then back down to 5 on June 21-25. Look for more on the ARRL website on Friday, June 1.

Local Update: **Fred Luce**, has acquired the former call sign of his dad John. Keeping **WØJGY** in the family, Fred joins his brother **Andy NØREQ** and dad **John WØWY** in this ham family . Congrats!!!!!!

MARS Congressional Legislation: Coordination is Urged On May 18, the US House of Representatives approved HR 4310, *The National Defense Authorization Act for Fiscal Year 2013*. This bill authorizes appropriations for military activities and prescribes military personnel strengths for Fiscal Year 2013. When the House Armed Services Committee sent the bill to the House, it included language in support of the Military Auxiliary Radio System (MARS) and called for the three MARS branches -- Army, Air Force and Navy/Marine Corps -- to be brought under one umbrella.

FCC News: FCC Expands Part 95 MedRadio Rules to Allow Devices in 2360-2400 MHz Band

In a *First Report and Order* and a *Further Notice of Proposed Rulemaking* (ET 08-59) released on May 24, the FCC decided to expand the Part 95 Personal Radio Service rules to allow medical devices to operate on a secondary basis in the 2360-2400 MHz band. These devices -- called Medical Body Area Networks (MBAN) - - provide a way for health care facilities to monitor their patients via wireless networks. Because use of these frequencies will be on a secondary basis, MBAN stations will not be allowed to cause interference to -- and must accept interference from -- primary services, including radio amateurs who operate on a primary basis in the 2390-2395 MHz and 2395-2400 MHz bands.

+++++
+++++

On the Air: Have Some Fun in the 2012 ARRL June VHF QSO Party

There will be lots of RF generated on 6 meters and up the weekend of June 9-11 during the 2012 ARRL June VHF QSO Party. While many amateurs think of the VHF+ bands as a "local" band for public service, emergency communications or even a bit of fun on FM repeaters, weak-signal VHF+ enthusiasts know better. Even with a modest station, it's possible to work hundreds -- or even thousands -- of miles on the VHF bands during a good opening.

ARRL Contest Branch Manager Sean Kutzko, KX9X, is a big VHF enthusiast. "In more than 25 years of Amateur Radio, weak-signal work on 6 and 2 meters remains the most fun and intriguing activity I do," he said. "There is nothing like a good VHF opening -- with interesting propagation characteristics like Sporadic-E, tropospheric ducting, aurora and even meteor scatter and moonbounce -- VHF offers QSO opportunities that HF can never satisfy."

Experience
our own
QSO Party
with the
other hams
in the
United
States and
Canada.



**Explore HAM Radio...
Explore the WORLD!**

Saturday June 23, 12 Noon - 5PM
Atop the Cuyuna Overlook site
Cuyuna Country State Recreation Area, Ironton, MN

- See Emergency Communication setups!
- Learn about Ham Radio and the BAARCI!
- Experience the thrill of Global Communication!
- Bring your GPS and try Geocaching!

For more info visit our Club site at www.brainerdham.org
Brainerd Area Amateur Radio Club

See page 4 and
watch for
announcements
in the media.
Field Day 2012

BAARC 2012 Field Day Event—June 23-24 (set-up on 22nd)

Field Day is always the fourth full weekend of June, beginning at 1800 UTC Saturday and running through 2059 UTC Sunday. The BAARC's Field Day event will be held June 23-24, 2012.

Overview—ARRL Field Day is the single most popular on-the-air event held annually in the US and Canada. Each year over 35,000 amateurs gather with their clubs, friends or simply by themselves to operate.

ARRL Field Day is not a fully adjudicated contest, which explains much of its popularity. It is a time where many aspects of Amateur Radio come together to highlight our many roles. While some will treat it as a contest, most groups use the opportunity to practice their emergency response capabilities. It is an excellent opportunity to demonstrate Amateur Radio to local elected community leaders, key individuals with the organizations that Amateur Radio might serve in an emergency, as well as the general public. For many clubs, ARRL Field Day is one of the highlights of their annual calendar.

Objective—To work as many stations as possible on any and all amateur bands (excluding the 60, 30, 17, and 12-meter bands) and to learn to operate in abnormal situations in less than optimal conditions. Field Day is open to all amateurs in the areas covered by the ARRL/RAC Field Organizations and countries within IARU Region 2. DX stations residing in other regions may be contacted for credit, but are not eligible to submit entries.

BAARC F/D Activity

A reminder that Field Day is coming the last week-end of June and invite all local Amateur Operators to come and join in on the F/D activities that will take place starting **Friday afternoon June 22 (set-up), around 3 p.m. and ending Sunday noon June 24th. Again this year we will be operating from the Cuyuna Country State Recreation Area.** You can operate the Club Station from the ECOM Trailer or bring your own antenna and equipment and see how well your portable station will work. If you like, you can camp overnight—or just come for the day. Watch your email for additional details.

Field Day Locator & Directions to the Site: Hwy 210 from Ironton take County Rd. 30 North for 5 blocks and turn left at the Cuyuna Country State Recreation Sign and follow the paved road to the Hunnington Lake Boat Landing. Now on a dirt road, continue straight past the Boat Landing and take the first left and go up the hill. At the end of this road is the Field Day Site. You can also follow the Field Day signs that will be posted at the above-mentioned intersections, or go to the ARRL web site for the Field Day Locator and type in **WØUJ** in the Location/Call Sign Box: then a map will come up with the exact location. The web site is: <http://www.arrl.org/field-day-locator/>

This is another great Club Activity that you do not want to miss!!!! Of course, visitors/non hams are welcome to experience our hobby first-hand.

Info provided by Lyle Amundson, KØLFV—BAARC Field Day Chairman.



Run for the Lakes Marathon

The Run for the Lakes J.C.'s Marathon was held on Saturday, May 5, 2012. The **Brainerd Area Amateur Radio Club** had 16 radio operators covering the race. We used our communications trailer at the Niswaga Community Center for our operating station.

Thank you to all club members who worked during the marathon. The operators were Terry **KIØFW** and Shirley **KØDCW** as co-net controls in the Ecom trailer; John **WØWY** was the shadow for the medical director; Al **WØRC** and Fred **KDØRQY** were the rovers and covered the start and finish line; Alan **AAØAS** and Kevin **KAØWJC** covered Medical stop #1, and Jim **WØJDS** and Dave **KCØTGT** covered medical stop #2; Lyle **KØLFV**, Doug **KDØERE**, Dylan **KDØLFE** and friend **Gabe**, Roger **WØWUG** and Wynn **KA3DQN** covered the water stops. Charles **W5CCL** and George **WDØHXR** covered the corner of Poplar and Church Streets just before the finish line.

We had 123 runners in the full marathon, 299 in the half marathon, and 20 in the relay race. We are happy to report there were no major problems during the entire race.

The Brainerd J.C.'s Marathon staff thanked us for the great job done by all BAARC operators. —submitted by **KØDCW**

DX and the Paper Chase

I remember as kid growing up in Hollywood that whenever we whined or complained, my grandmother used to tell us that we sounded like the guy with a loaf of bread under each arm complaining how lousy the world was. Well, the HF bands were both lousy and good, and I have no reason to complain with two new countries in my log. Surely, there were problems both with propagation and noise levels but through it all I worked Somalia and Yemen for new ones. Now the paper chase begins. Both DXpeditions used online logs of all contacts, and I made both logs. The return postage has been ordered, the paperwork is ready to go, and now the wait begins. For most contacts that are not handled through the QSL Bureau, one can expect to wait from 4-6 months for the QSL card to arrive. It was once written that the QSL card is the ultimate courtesy in the world of DX. I have been trying to work a single operator in Palestine. This is one I really want, but so far there has been no propagation from there to my QTH. However, I'll keep trying because that's the name of the game—never give up. Thanks for visiting my DX column and that's about it for now. But remember to sit down at your station and call CQ (you might even try CW) because someone somewhere is listening for your call, don't disappoint anyone. So long from Huntersville for now, 73 and good DX from **Bob/WØZPE**.

CLUB RADIO EQUIPMENT SALE: The following listed Ham Radio Equipment is now for sale to Members of our Radio Club. This equipment was donated to BAARC and is now available for purchase. If you have any questions or would like to purchase an item please contact me. Thank you.

Lyle KØLFV amundson@brainerd.net Cell Phone 218.330.5110

Item For Sale	S/N or Info	Price
Collins S Line 75S-3 32S-3 W/ P/S Spkr & Mic	Project Item	1000
Drake TR4 HF Transceiver AC4 P/S & Mic	Project Item	175
Heathkit HW-101 HF Transceiver with P/S & Mic	Project Item	175
Hallicrafters SX-71 Shortwave Receiver	Project Item	50
Hammarlund HQ-170 Ham Band Receiver	Project Item	75
Johnson Viking I AM/CW Transmitter with VFO	Project Item	50
Johnson Viking II AM/CW Transmitter with VFO	Project Item	75
Johnson Viking Phone Patch		5
National NCL-2000 2 KW Linear Amplifier	Project Item	250
Kenwood TR-7930 2M FM Transceiver	5041231	40
Kenwood TR-7930 2M FM Transceiver	4051340	40
Kenwood TR-7930 Mobile Mounting Bracket		5
Kenwood TR-7930 Mobile Mounting Bracket		5
Yaesu FT-5200 VHF/UHF FM Dual Band Xcvr	2D180518	90
Yaesu FT-5200 Remote Mounting Kit		5
Mirage B1016 2M Amp 10W in 160W out		125
Mirage B3016 2M Amp 30W in 160W out		125
Mirage B3016 2M Amp 30W in 160W out		125
KLM PA-10-140BL 2M Amp 15W in 140W out		125
Icom IC-02AT 2M FM H/T with BP7 Batt		30
Icom IC-2AT 2M FMH/T with Spkr/Mic	26157	25
Icom IC-2AT 2M FMH/T with Spkr/Mic	13307	25
Kenwood TR-2400 2M FM H/T		30
James Millen Grid Dip meter Type 90651		80
Swan WM-2000 SWR/Watt Meter HF		35
Mirage MP2 SWR/PWR Meter HF		40
Bird Model 43 Watt Meter with 3 Elements		150
Univ Service Coax Rationmeter 2-200 Mhz		10
Kenwood MC-50 Mic Stand Only		10
Sentry Coaxial 3 Pos Coax Switch		5

(Continued on next page)

(Continued from page 6)

B&W 550A 5 pos coax Switch	5
Drake Hand Mic 1525EM	5
Turner 454C Desk Mic	5
Turner Crystal Desk Mic	5
Kenwood Hand Mic	5
Kenwood Hand Mic	5
Straight CW Key Heavy Duty	10
Ham Key Iambic CW Key	25
Generic Bug CW Key	30
Generic Mag Mount w/ 2M Larson MNO Antenna	10
ARE-10 the Silencer Set of 3	15
Realistic FM Wireless Intercomm Set	5
Computer Mic Small	1
CEI Compressor Preamp ACP-1	5
Johnson Low Pass Filter	10
Cushcraft R3 Tuning Control Unit	10
Homebrew Control Box	5
50 Ohm Dummy Load	15
Heathkit Cantenna Dummy Load 1KW	30
Home Brew Crystal Controlled 2M Xcvr	5
Palomar Engineering RX Noise Bridge	20
Tubes 3 each 808 2 each 5881 1 each 6AG7	6
Tubes 1 each 6GX6 1 each 12AV6	2
ERC Model SL-56 Active Audio Filter	5
Quam Speaker	1
Homebrew Switch Box	2
Generic Mobile Mounting Bracket	1
Yaesu NC-28A AC Adapter	2
Commadore AC Adapter 9.5 VDC	2
Honeywell Test Meter W136	5
Metal Case and Chassis Large	1
12 VDC Inverter	

12 VDC Inverter		15
Large Spool Beldon 8237 Coax Cable	.50 per foot	
Large Spool Beldon 9913 Coax Cable	.60 per foot	
Set Car Stereo Speakers		2
Box of Misc Coaxial Cables		5
Box of Misc Project Boxes		5
Warning Siren System P/S Controller Included		5
Set of Herald Horn Speakers 8 Ohm.		5
AC Fan Assemblies Set of 3		3

SUNDAY NIGHT NET OPERATORS

06/03/12	Fritz	WØKO
06/10/12	Charles	W5CCL
06/17/12	Steve	WØTNT
06/24/12	Lyle	KØLFV
07/01/12	Joe	KBØVYJ
07/08/12	Dave	KDØNRI
07/15/12	Bob	WØZPE
07/22/12	Marcia	WØZMC
07/29/12	Rick	KBØWWJ

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

PLEASE???????

SIMPLEX NET IS OPTIONAL.

Our thanks to all NCS Volunteers.

Congratulations: Steve Weber, WØTNT, has a favorable mention in the May-June issue of the *Minnesota Conservation Volunteer*. In the article "Gears, Gravity, and Good Times" it highlights the Cuyuna Range's State Recreational Area being new developed and superb for its trails—especially for enthusiastic mountain bikers. As you know, Steve is the DNR Park Manager and takes great pride in the area's natural resources.

Speedy Recovery to Darrell ABØVP. He was hospitalized in May and by now is up and at them. We sent him a card on behalf of the BAARC.

Ron KØGOP: Current Membership Report

We are currently carrying a membership list of 68 member names. Of those 54 are paid members in good standing. Unfortunately we for the new dues year some 14 members who are tardy with their 2012 dues. Help our Club! Make the job of treasurer easier.

- PLEASE SEND IN YOUR DUES—STILL ONLY \$20/yr.
- Please also welcome these New/Returning Members:
 KDØNRI —CHANDLER, DAVID ; WAØLVG—MORRIS, MICHAEL ;
 KDØILS—NIERENGARTEN, PETER ; KDØILL—RASSIER, SHANNON ;
 KBØWGO—TIMM, DAVID; KDØQZK—VEDDER, RHONDA ;
 NØOHX—WEEKES, CARLOS.

Bob WØZPE, had a neat interview by Review Messenger, May 6, 2012. M. Johnson wrote up an informative piece on our Mr. DX.

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