



The BAARCer



May 2013

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)
 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**

**Two of the Winners pictured at the Hamfest 4-20-13.
 Some others are listed below.**



Shown is **Dave KCØTGT**, our presenter and manager of the drawings. Dave used a neat slide-show format. Next to Dave is Skee Mass, **WØDCY**, receiving the raffle drawing of a TYT TH-UVFI handheld dual-band XCVR. On the far right is Bob **WBØDSF** of West Fargo, who received \$50 as a prize from the entry ticket. Not shown but also winning \$50 is Jesse **KCØTAB** of Sartell. His check was mailed. Art **NØTNJ** of Staples and Robert **Norr** of Little Falls both won ARRL \$25 gift certificates. Gerald **KØGPX** of Casselton, ND, won a \$50 ARRL gift certificate. Interestingly, we were told that we had hams from the Dakotas, Canada, most of MN—and even South Korea. One was very interested in **WØXU**'s beautiful **Henry 2K3** amplifier. Lots of unique gear exchanged hands. Yes—we hams recycle! From the many positive comments we had from attendees far and wide, we the members of the Club, who put this event on at great expense and effort, feel gratified that it was worth it and truly appreciated.
PLEASE, COME TO BRAINERD AGAIN.

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— Events Calendar —

Sat., May 4, Club Brkfst. @ 9 @ Northwind Grille in Brd.
Sat., May 4, HAMFEST in Superior—same place, etc as in the past.
Sat. & Sun., May 11-12, Military-Ham Cross-band Event. Fun for us to QSO.
Sat., May 18, Club Brkfst. @ 9 @ Northwind Grille in Brd.
Thurs., May 23, Annual Dinner-Meeting in Nisswa. Details on p. 3 top
Sat., June 1. Bike Tour—Listen for Details on Nets
June 22-23—Annual BAARC & ARRL Field Day Event @ Fairgrounds-Brd.

Listen for Activity Updates on our Sunday Night Nets
 Membership Info: E-mail Doug djbdesk@gmail.com

Thursday-April 25, 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
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

Attendees: Steve NØCRM, John WØWY, Doug KDØERE, Ron KØGOP, Lyle KØLFV, Al WØRC, Shirley KØDCW, Terry KIØFW, Alan AAØAS, and Dave KBØSCT.

Secretary's Report: Reported Website to be updated for Field Day 2013. Membership is over 70 with renewals still coming in. **Motion to accept:** Al WØRC, **Second** Steve NØCRM, **Passed.**

Treasurer's Report: Report given showing all month's account transactions and balances to date. Doug presented a report showing the recent Brainerd Hamfest details.

Motion to accept: John WØWY, **Second** Al WØRC, **Passed.**

Membership Meeting Program: Program Calendar topics were discussed. Dave KBØSCT suggested a program on various logging software, especially of interest to our new General Class hams. A guest speaker and program has been secured for the **Spring Banquet** in May. Brainerd Fire Chief, Kevin Stunek will be giving the presentation. Dinner reservation deadline will be Sunday, May 12 following the VHF net. At the July 25th meeting, Ron KØGOP will give a program on **Civil Air Patrol Communications**, and it's mission.

Upcoming Events: The recent **Winter Ham Classes** for Technician and General licenses by Al WØRC and John WØWY successfully tested several new hams at the April 20th **Brainerd Hamfest** with one even passing both exams. Details for the **Brainerd Jaycees Marathon** on April 27th were discussed. The fall Membership Drive mailer is still in progress.

Digital & Emergency Communications: Crosby Tower: John WØWY gave an update to the tower project at the Crosby repeater site. Final antenna hookup and testing is expected to be complete next month. The **SKYWARN Training Meeting** was held at 6 PM Tuesday April 23, Land Services Bldg, Brainerd. **ARES:** The Club has received 21 obsolete county-owned Motorola VHF HT's, chargers, and mics to reprogram and use. Roger WØWUG will be approached to coordinate reprogramming for BAARC amateur use. John WØWY reported there has been an improvement in the process for activation and tracking of amateur radio resources to assist with area flooding events. John and Al have been teaching a very compressed amateur radio license course for ANG communications personnel at Camp Ripley. Final session and testing will be on Friday April 26.

Old Business:

John WØWY will pursue an MOU regarding Club duties for site maintenance (mowing, weed spraying) when larger issues are completed.

New Business:

Installation of the recently donated Remote Base HF Station from KØLR

Following a meeting with ISD181 Superintendent Steve Razidlo, John WØWY and Al WØRC were informed that the WØUJ Club station room at BHS needs to be vacated by Friday April 26. Several Club members will remove and store the equipment until another station site can be found.

The business meeting was adjourned at 5:10 PM.

Thursday-April 25, 2013 - 7:00 PM - BAARC Membership Meeting Minutes

Brainerd Fire Station

The President opened the Club membership business meeting at 7:05 PM with 21 members and guests present. Two new area visitors were welcomed. Terry KIØFW suggested we might want to wait on the upcoming renewal of a Club CD until rates improve. John WØWY talked about how amateur radio operators were able to perform life-saving communications after cell phones and the ARMER system failed under a stressed communications environment in the initial hours of the Boston Marathon bombing incident. The NWS is planning to set up a 40m frequency for SKYWARN reporting. Al WØRC reported that the annual Armed Forces Day Cross Band Test will be held on May 11-12. More info: <http://forums.qrz.com/showthread.php?387120-May-11-Amateur-Military-Cross-Band-Test>
 The business meeting was adjourned at 7:30 PM

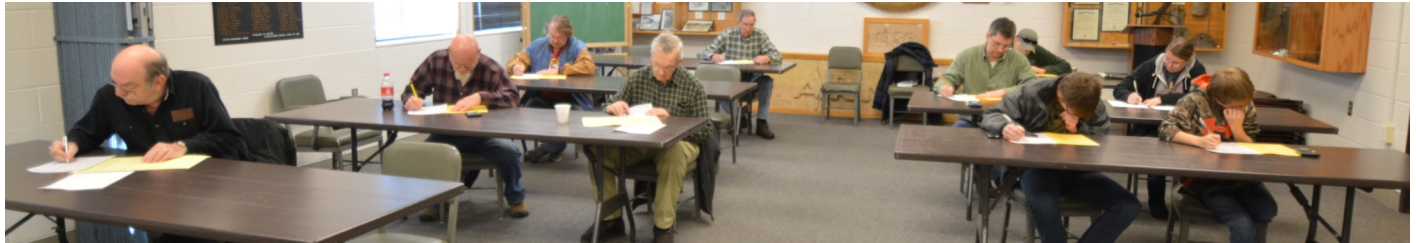
Several Club members gave presentations in preparation for June's **ARRL Field Day**. Topics included prior year news coverage, antenna tuning, and network logging software.

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

BAARC Annual Spring Dinner: Thurs., May 23., in Nisswa: Our thanks to Jim Shubert, WØJDS, for arranging this again with Dan of American Gourmet Caterers. Where: **Nisswa American Legion** with socialization starting at 5:30, dinner at 6:00, and the program at 7 with Brd. Fire Chief Kevin Stunek. We should be done by 8:30. The total cost is \$18—buffet-style BBQ ribs, fried chicken, jojo potatoes, mixed veg., salad, dessert, coffee, tip, etc. However, we must commit to a final count by May 12 (net time) and make checks payable to **BAARC**. No Refunds. To reserve, call Doug KDØERE at 218.820.6675 or e-mail him <djbdesk@gmail.com>

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VE Test Session at 10:00 at the Hamfest. Prospective test takers in deep concentration under the watchful eyes of the examiners in the same room . WØWY reported 11 tested—all successful except for two.



Al WØRC and John WØWY report that Camp Ripley military requested a refresher course and test session the last full week of April. Now we will have more hams in the MN Nat’l Guard !!!!!!! Super!!!! More details next month.



Examiners: (l-r) John WØWY, Steve NØCRM, Ken KØIF, Doug KDØERE, Terry KIØFW and Shirley KØDCW. Also, all did more than one job at the Hamfest. Thanks, lady and gentlemen!!!!



Listen for their call signs from those successful test takers and congratulate them yourself when you hear them on the air.



Pictured here are just three of the successful test takers being congratulated: Top left shows Ron KØGOP congratulating Dave Satre on having earned Technician Class. Above in the black shirt is C.J. Anderson, the newest Extra Class. Incidentally, he was successful in retrieving his father’s call sign dating back to 1937. Congratulations, CJ, now WØWUH. On his right is Frank NIUW and on the left is Skip KSØJ , MN’s outstanding ARRL Club Coordinator and Section Mgr., respectively. On the left is Lyle KØLFV congratulating Rob Neumann on making the General Class—he passed two exams for that. SUPER JOB, all of you. Our thanks also to the BAARC VE Team and Instructors.

Our 2013 HAMFEST was successful and fun. TNX to all who helped and the 196 who came.



Pictured on the top right is the Set-Up Crew of Friday: (l-r) Dave KBØSCT, Chris KDØLFA, Don Satre, Lyle KØLFV, Roger WØWUG, Ken KØIF, Steve WØTNT, Al WØRC, Jerry WØXU, Shirley KØDCW, Fritz WØKO, and Terry KIØFW. Selling entry tickets is our regular Jim WØJDS, and Dave KBØSCT helping with kitchen work. Standing next to the coffee pot is Marilyn Amundson (YL of KØLFV) serving our early birds rolls and coffee. Again doing outstanding work in the food preparation department is Shirley KØDCW. This year she luckily had the able assistance of Judy Bergsnev, YL of Doug KDØERE. Along with Doug as cashier on the left and Skee WØDCY assisting, it went smoothly. On the right is Josh of KBØVUD of Radio City meeting the needs of visiting hams.

On the right is the Saturday Take-Down Crew: (l-r) Fritz WØKO, Skee WØDCY, Dave KCØTGT, Chris KDØLFA, Ron KØGOP, Lyle KØLFV, Steve NØCRM, Dave KDØNRI, Al WØRC, Shirley KØDCW, and kneeling is Terry KIØFW. Not pictured are Doug and Judy Bergsnev. Many filled in here and there. Steve WØTNT and others worked the back door with assists from Steve NØCRM. Chris KDØLFA was a super seller—with Fritz in friendly rivalry.



Various Saturday Scenes at our Annual Event.



Yes—Fritz has raffle tickets for sale: “Five for Five, 10 for 10, 20 for 20” was his pitch to help support the hamfest expenses, which are becoming considerable.

Note from the Editor:

We have to give a lot of credit to the main organizers: Al WØRC, Shirley KØDCW, and Lyle KØLFV. We know the Dorees are a team. Al credits Shirley’s great Kitchen effort—again. We agree. The food and drinks were consumed with gusto. The chili was again superb. Al is no slouch—always active for the BAARC. Lyle raises a lot of funds for the Club—without complaint. We are really lucky to have them do all this extra work for the BAARC. Public service is what it is about. Included here in that category are John WØWY and Al WØRC, who have represented us well with locals. Especially noteworthy is their licensing and instructional talent with Brainerd and Camp Ripley refresher courses and VE testing. Many

of the activities which benefit the Club unfortunately go unnoticed by some of our members, who can not always be in attendance. I may have left someone or something out—sorry, not my intention. —73, WØKO

Packet Pioneer, Hank Oredson, WØRLI, SK—A MN Connection with our BAARC's WØWUG—see also the next page



By Stanley Horzepa, WA1LOU— from the ARRL

The Xerox 820-I was a computer, introduced around 1980 that used a Zilog Z80 central processing unit (CPU) and ran the CP/M operating system. It featured 64 kbytes of RAM, two 8-bit parallel ports, two serial ports, a disk controller and an 80-column by 24-line video display, all on a single printed-circuit board. In the early 1980s, Xerox discontinued selling the “820” and sold off the remainder that they had on hand as surplus. Their warehouse in Texas was the source for the surplus computer and they could be had for as little as \$50 per board!

Hank Oredson, WØRLI, obtained an 820 and wrote a software package for it that permitted it to function as a packet bulletin board system (PBBS) and more. Besides the normal functions that you would expect to find in any BBS, such as the ability to send and receive messages and files, Hank added two features that made his BBS even more powerful. One feature took advantage of the two serial ports provided by the 820. With a TNC connected to each port, Hank's software permitted a user connected to the TNC on one port to communicate through the TNC connected on the other port. Assuming that each TNC was connected to radio equipment operating on different frequencies, this system provided a gateway from one frequency to the other. For example, if the TNC on one port was connected to a 2-meter transceiver and the TNC on the other port was connected to an HF transceiver, a PBBS user on 2 meters could use the gateway to make packet-radio connections on HF. Another feature created a rudimentary packet-radio network for the automatic forwarding of messages between PBBSs. This mail-forwarding function allows PBBS users to send mail to the users of other PBBSs.

The WØRLI PBBS revolutionized ham radio and made packet radio the most popular mode of its day. Hank's PBBS begat other PBBSs and other networking schemes that so popularized packet radio that a TNC became as ubiquitous as a key or microphone in the ham shack. I became a regular correspondent with Hank pestering him with endless questions as I researched packet radio articles, chapters, and books that the ARRL published during the heyday of packet radio. Hank never tired of my questions and patiently answered each one in a friendly and often humorous manner.

Hank Oredson, WØRLI, became a silent key on January 6 after a long battle with lymphoma. He will be missed, but his ham radio legacy lives on.

P.S. His photo is from 2008 QRZ database.

Now for the MN Connection from our BAARC Member Roger Williams, WØWUG

Hank was a very smart fellow I grew up with on the same block in Minneapolis, a long time ago.

Hank, in recent years was living in Oregon. He managed to obtain a PhD in Electronic Engineering, and a PhD in Physics, and worked in research labs for several major semiconductor companies and computer manufacturers.

Hank was a major contributor to the popularity of Amateur Packet Radio and wrote the software for Packet Radio Bulletin Board Systems (BBS), arguably the precursor to the Internet, as hams would use the resource.

Hank grew up in Southwest Minneapolis, three doors away from my childhood home. We knew each other from a very young age, although he was three years older. We both attended Southwest High School, where we had a ham station in a narrow storeroom on the 3rd floor of the school. (Collins 32V3 TX and a Collins RX, but I don't remember the model) The SW Radio Club started somewhere around 1956. (I was graduated in 1960.) Our club advisor was Paul Wolford, a teacher who was a WWII Army Signal Corps radio operator and a licensed amateur radio operator.

He was active in the school club too. It was also arranged by our advisor that we radio operators could check out of study hall, and get the key to the station room, and get on the air. During the time in 1957 when the Russians launched the Sputnik, the first orbiting satellite in the world, I along with Hank and several other operators recorded the "beep-beep-beep" of the Sputnik that was transmitting between 20 and 40 MHz as I recall. We had permission to play the Sputnik tape over the school P.A. during daily announcements. Beep, beep, beep, beep. But the Russians had beaten the U.S. to space!!!

You can image the reaction by the student body, at the height of the "cold war"! You could have heard a pin drop in the whole building.

OK, back to Hank.

By the way, my long-time friend KØTI (former WBØGDB) ran a packet "gateway" network in Woodbury, knew Hank, and used Hank's BBS software. The TAPR organization published a bio recently.

A funny related story:

One story I remember was that the two of us had a wired intercom between our houses, (three city lots apart !) with surplus WWII twisted pair field telephone wire, that came on large rolls. The wires were strung between the trees, between the neighbors' houses--after dark of course.

We could talk back and forth w/o telephone. One time Hank had a crush on Judy G., a girl who lived two blocks away, up 49th Street, at York Ave. So I'm about 13 and Hank is 16. He had me unroll the several hundred feet of the surplus

telephone wire and pull it down our alley to 49th St., and across the street on Zenith Ave, and up the hill on 49th to the girl's house on York Ave. This is about two city blocks.

I was carrying a small speaker in a box and hooked it up to the wire I was dragging that distance. Then I knocked on her door. She answered, and I said, "Hank Oredson would like to talk to you...."

You can imagine the look she gave me. So I stood there for a few minutes, and they chatted back and forth over the intercom.

A short time later I started down the hill winding up all that wire that was easily around 700 feet or so. Hank met me at the end of our alley and we wound up the rest of the wire.

So he never did see that young lady face to face that day. The whole fiasco probably lasted about 30 minutes.

The good ol' days, huh?----Roger, WØWUG

Editor's Note: Yes, those were the good old days for many of us. Our common bond: ham radio. However, for some, like WØWUG and WØRLI, the hobby had a life-changing impetus. For Roger, it propelled him into a career of teaching electronics and two-way communications, etc—mostly at Ridgewater (Willmar Community) College. For Hank it became a career in design, electronics, digital communication with future Internet applications and implications. So, to you young people out there:—yes—anything is possible if you apply yourselves. Ham Radio is and can be a stepping stone into our fascinating world—and it may even supply you with a living and open doors for your creativity. Certainly, you can have a lot of fun with this hobby, learn as much as you want, and work for the public good—that is the PUBLIC SERVICE part of amateur radio. For the latter service, there cannot legally be pay. That is why we are in amateur radio.

SUNDAY NIGHT NET OPERATORS

5/05/13	Rick	KBØWWJ
5/12/13	Doug	KDØERE
5/19/13	Marcia	WØZMC
5/26/13	Bob	WØZPE
6/02/13	Rick	KBØWWJ
6/09/13	Fritz	WØKO
6/16/13	John	WØWY
6/23/13	NO VOLUNTEER	
6/30/13	Doug	KDØERE

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.

Craig Fugate, US FEMA Director is a ham: KK4INZ.

Congratulations to Director Fugate.

New Repeater in the Area @ Bertha: It is on 147.120 MHz with a plus offset and ID's NØWSH. It has good coverage here in Brainerd from a home QTH. Try it!

Appreciation: Dave Chandler, KDØNRI, is one of those Patriot Guards who volunteer with others in motorcycle processions to accompany and honor our military men and women, whether it is welcoming them home or sending them off to distant destinations, or, as is sometimes the case, even to accompany the fallen to their respective cemeteries. Thanks, Dave, for this service to our veterans.

Have you seen the great Art Work Adaptation by Ron Finger,

KØGOP? Check out the website banner he created to draw attention to our Hamfest. Ron is truly an accomplished artist, and we are fortunate indeed that he does not charge us for his creative talent. Thanks, Ron.

BAARC conducted a successful SKYWARN drill 4-18-13

According to John WØWY, Emergency Coordinator and NCS, some 17 stations checked in—some on handhelds, mobile and fixed stations. A few were APRS capable. Unfortunately the Echolink, 10 m. USB, and the 147.360 rpt. did not connect in Duluth.

United We Stand



First Class Mail
Address Correction Requested

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