



The BAARCeR



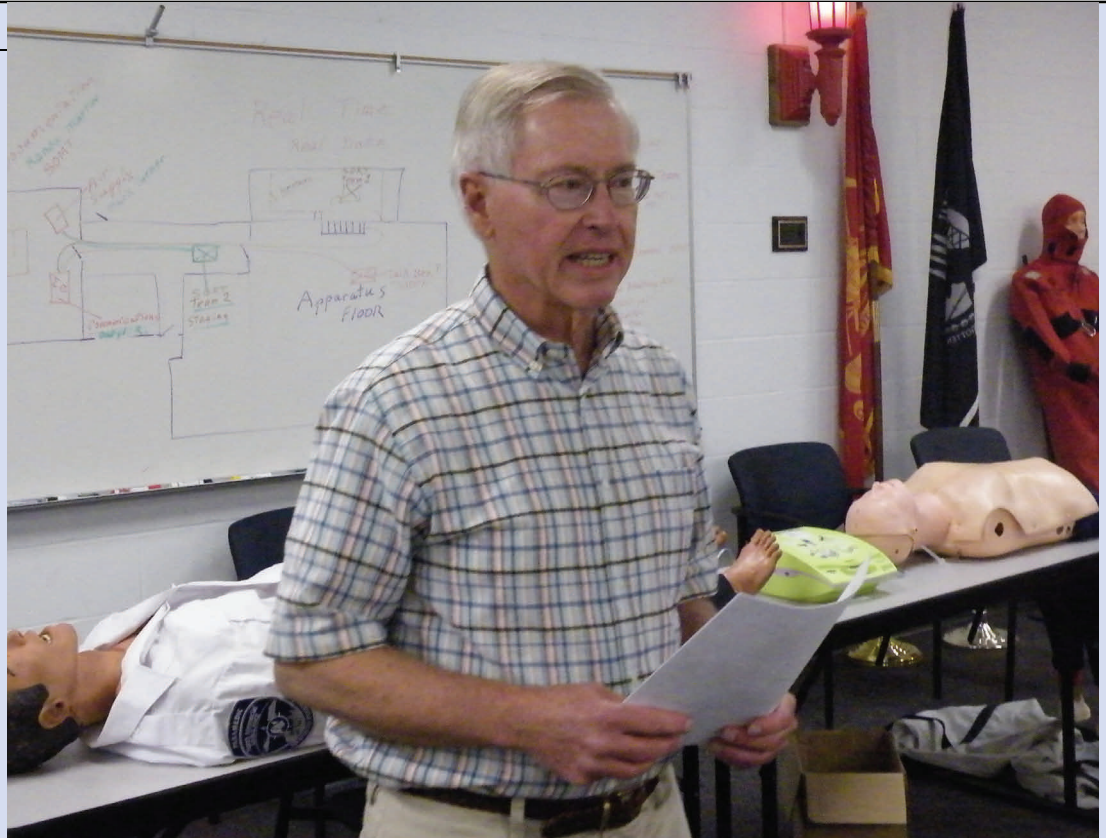
October 2010

For Anyone Interested in Amateur Radio

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Club Call: WØUJ
BAARC 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
 MNBRD, BRDBBS
 144.390 WØUJ-5 APRS
 Crosslake 147.030 MHz+
<http://brainerdham.org>
OFFICERS

President:
 Charles Lane W5CCL
Vice President + WWW
Editor:
 Steven Mott NØCRM
Secretary:
 Ron Finger KØGOP
Treasurer:
 Doug Bergsnev KDØERE
Director-At-Large:
 Roger Williams WØWUG
Trustee + BAARCeR
Editor:
 Fritz Bertelt WØKO



Alan Sherburne, M.D., (AAØAS) —Program on AED and Resuscitation. An informative and brief program on the use of the AED (Automated External Defibrillator). The Sept. 30 timely topic allowed BAARC members a more practical look at the important aspects of resuscitation. More on page 7.

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— Events Calendar —

Sat., Oct. 2, Club Breakfast @ 9 @ Northwind Grille in Brainerd.
Sat., Oct. 16, Club Breakfast @ 9 @ Northwind Grille in Brainerd
Sat. & Sun., Oct. 16-17, 53rd BSA Jamboree of the Air.
Thurs., Oct. 28, Board & Membership Mtg. @ 4 & 7—Fire Hall
Sun., Oct. 31, Goblin Patrol for Halloween—Annual Event—Details on the Sun. Nets—John WØWY, Coordinator, looking for Volunteers.

For more details on these and other events, check into the Sunday Night Net and also refer to the Website on BAARC Calendar of Events.

Thursday, September 30, 2010 – 4:00 PM - [BAARC Board Meeting Minutes](#)

Brainerd Fire Station

President: Charles Lane W5CCL

Secretary: Ron Finger KØGOP

Director-At-Large: Roger Williams WØWUG

Past President: Lyle Amundson KØLFV

Past President: Al Doree WØRC

Emergency Communications Director: John Luce WØWY

Community & Special Events Co-Director: Dave Fournier KCØTGT

President Charles W5CCL opened the meeting at 4:07 PM with 7 board members in attendance. A motion to accept the published minutes for August was approved. Ron KØGOP reported the current Club Membership stands at 66 paid members, including 11 Lifetime Memberships. The Treasurer's Report was then presented by Charles for Doug KDØERE and approved following a motion by John WØWY and second by Al WØRC. Lyle KØLFV told the Board he would be forwarding addition funds for the treasury following recent sales of equipment donated to the Club. The Board thanked Lyle for his ongoing service to the Club in the resale of radio equipment. Al WØRC made a motion to reimburse the Secretary for material expenses for a special Service Citation for one of our long-time members. The motion was seconded and approved, and Lyle KØLFV will deliver the award in the coming weeks.

Digital & Emergency Communications: John WØWY reported that there would be a simulated Emergency Test in October, as part of our participation in ARES (Amateur Radio Emergency Service). He will be contacting a few Club members for the event. John and Lyle have also completed internet/radio interfacing that will allow repeater programming and control remotely from another off-site computer.

Al WØRC reported on the continuing repeater work that is taking place at the Club station site at BHS-South Campus. He and Roger WØWUG have almost everything adjusted, with the exception of the RX audio. Al also has recently finished work to bring the Mille Lacs Band of Ojibwa repeater back online including packet capability.

Upcoming Events: John WØWY will chair October's regular month-end event, **Goblin Watch**. Net control for the event will once again be run from the dispatch area of the Crow Wing County EOC.

Dave KCØTGT is looking for suggestions to sponsor a Club station **Special Event** in January or February.

Old Business: John WØWY presented three options and prices for magnetic vehicle signs for Club events. The Board discussed the various options and selected a 2-color sign that will be produced locally by Action Graphics. Ron KØGOP will produce the digital artwork for the production and deal with the vendor directly. A motion to purchase magnetic signs for the Club was made by Al WØRC, and seconded by John WØWY, passing unanimously.

The Board received a ruggedized "Go-Box" given to the Club by Lifetime Member, George KCØBH, who recently made the generous donation of his radio gear to the Club.

The Board also voted to approve a proposal to renew registration for the Club domain name: brainerdham.org for a period of 5 years at a cost of \$65. The registration will be updated to show the owner as the BAARC. The motion was made by Lyle KØLFV and seconded by John WØWY.

New Business: Al WØRC and Shirley KØDCW have purchased some call sign patches that match our Club vests from a vendor that was at our recent Hamfest. The patches are available from the Glencoe vendor for \$7 each and can be ordered through Shirley.

The Club is looking for suggestions for a source to do an informal financial audit. Anyone with a source suggestion may contact the Treasurer at baarctreasurer@charter.net or by phone. In addition, Lyle KØLFV, Al WØRC, and Terry KIØFW will do an equipment inventory for gear at the Club trailer, station, and various repeater sites.

Ron KØGOP presented a design for a Club photo ID badge he developed with Lyle KØLFV. The badge, which can be worn with or without the Club vest provides easy identification of Club membership, name and call sign, and includes a barcode with the operators FCC Registration Number (FRN). The badges will be available to all members with payment of 2011 Club dues. Paid members wishing to receive a badge should send a recent photo to the Secretary at ron@redpine.net with finished badges being available at the following membership meeting.

Fritz WØKO has revised the Club membership application for simplicity, the board approving his adjusted design.

Lyle KØLFV will seek help forming a nominations committee for upcoming BAARC officer elections.

John WØWY has received the donated radio equipment from our recent silent key, Joe NØUME, and will forward to Lyle for sorting and Club use. The Secretary will send a letter of thanks to Joe's family on behalf of the Club.

The Board Meeting was adjourned at 5:10 PM.

Thursday, September 30 - 7:00 PM - BAARC Membership Meeting Minutes

Brainerd Fire Station

President Charles W5CCL opened the meeting at 7:03 PM with 19 Hams and guests in attendance. A motion to accept the published minutes for August as approved, was made and passed. The Treasurer's Report was then presented by Doug KDØERE, and approved following a motion by John WØWY and second by Wynn KA3DQN.

Digital & Emergency Communications: John WØWY and Al WØRC gave a report on the Club Gull Lake repeater project, the radio/internet interface, and other repeater work. (See Board Meeting Minutes)

Upcoming Events: October's regular month-end event, **Goblin Watch** will be chaired by John WØWY. Net control for the event will once again be run from the dispatch area of the Crow Wing County EOC. Volunteers will be needed to provide mobile communications and monitoring as part of this effort to assist local law enforcement in preventing Halloween mischief. As always, our role is only to observe as directed by net control, and report—not engage.

Dave KCØTGT is looking for suggestions to sponsor a Club station **Special Event** in January or February. These on-air events are publicized in QST magazine and the ARRL website, and give our Club an opportunity to make lots of contacts in different modes across the bands, as well as promote our Club to a large community of Amateurs. Past events have used themes like "**Winter Wonderland**" 2006, "**Antique Snowmobile Rendezvous**" 2003, and the "**Ice Fishing Extravaganza**" 2002. Contact Dave with your Event ideas and suggestions.

Old & New Business: John WØWY discussed the design and purchase of magnetic vehicle signs for Club events. Al WØRC circulated a sign-up sheet to order call sign patches like the ones that he and Shirley KØDCW purchased at our recent Hamfest. Ron KØGOP presented the design for a Club photo ID badge he developed with Lyle KØLFV. Lyle briefly discussed the upcoming Club election at years' end. A motion to hold Club dues at the present rate was made by Fritz WØKO, seconded by Dave KCØTGT, and passed. John WØWY advised the membership of the donated radio equipment from our recent silent key, Joe NØUME. (See Board Meeting Minutes for details)



The Membership Meeting was adjourned at 7:43 PM.

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

Joe Bayliss, NØUME, Silent Key (9-19-10)

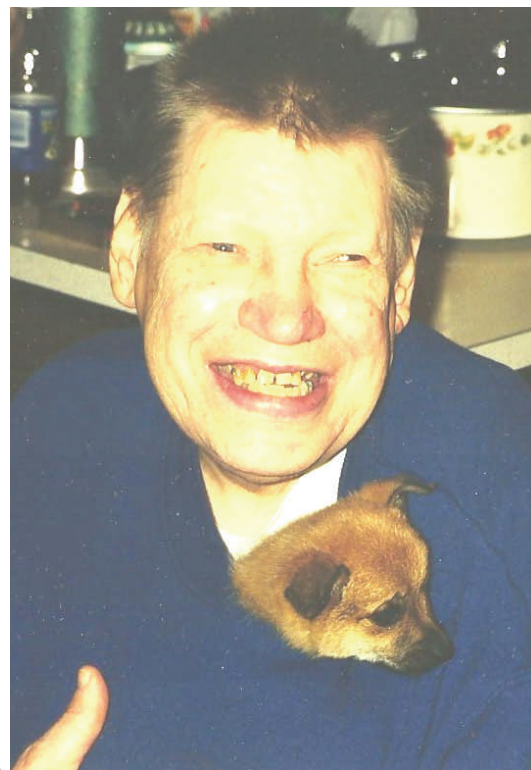
A member of our Club for many years, Joe enjoyed participating in the Halloween Goblin Patrol especially, and in other events as well, according to John Luce, **WØWY**. One of his sisters said that her brother had recently been diagnosed with cancer and had been in hospice care for the last couple of weeks. Some of our members helped him get a station on the air and kept his gear going. Others even gave him some gear, which he greatly appreciated. Unfortunately his landlord did not want an HF station at the apartment, so Joe tried everything to get on the air. In that effort long ago John **WØWY** and Fritz **WØKO** tried to mediate with the building owners, but were unsuccessful. Despite the restrictions he was able to use his two-meter radio from his apartment in NE Brainerd. In the past, John **WØWY**, Brian **KØEOU**, Pete **NØBLX**, and many others helped him enjoy the hobby.



According to Joe's friend and fellow Civil Air Patrol member **Gary West**, Pete was instrumental in getting Joe into ham radio. Although he was challenged physically, he earned the coveted General Class License. John said that he also attended Handi-Hams camps at Lake George. Clearly, Camp Courage in MN was a resource to him as well. As mentioned, Civil Air Patrol was another outlet for him; in fact, according to the Brainerd Dispatch he was a past Lieutenant in the Civil Air Patrol with both Brainerd and Little Falls squadrons. John first got to know Joe in 1992 when he and Ken **KAØJSW** (now-**SK**) involved him in the Goblin Patrols. Skywarn and the annual Tour of the Lakes Bike Rides were also among the activities Joe enjoyed. For some of those activities Steve **WØTNT** (and others as well) frequently provided transportation for many events and meetings, which meant lifting Joe into vehicles. Also, it should be noted that Joe generously donated his ham gear to the Club. Frequently we heard him on our Sunday evening nets. For us his last public event was the annual dinner-meeting in Nisswa in May. In the June BAARCer of 2010 he is pictured with two gals on his right—Joe obviously grinning with enjoyment. The funeral was in Crosby, Saturday, Sept. 25th. It was well attended by many families—he had a large and extended one. Of course, the BAARC was well represented. Fritz, speaking for the entire club, said a few words in remembrance. **Joe was 56**. As is our custom, we have presented a card expressing our sincerest condolences to his family. The photo above was selected from those of that dinner-meeting held in May in Nisswa. Needless to say, we will miss Joe's friendly demeanor and presence at Club events. The Club photo above was provided through the courtesy of **WØWY** and **W5CCL**.

Everett W. Barklind—NØPTI (SK)

We are saddened to report Everett's death. He was 85 and died Sunday, Sept. 5, at home. In the past he was employed by the Society of the Blind in Minneapolis. Legally blind, he found his hobby of amateur radio a real outlet to the world. He made many friends that way. He nearly passed his General Class license. Needless to say, he was very proud of making the grade to get his call sign. In fact, Fritz WØKO reports that once when he sent the BAARCer out, he forgot to add Everett's call sign to the address. A couple of weeks after that, Everett asked Fritz about it. Everett, a little annoyed, wanted to see that call sign next to his name. Thus Fritz apologized for leaving it off. Of course, for many years he was a member of the Brainerd Area Amateur Radio Club and Handy Hams. In addition to his canine companion Buddy (pictured here with him), he leaves many family members. His nephew Jim Roach of Jim's Camper Sales said that Everett got him interested in ham radio; it resulted in Jim becoming KBØSCU. In addition, with his family Everett also enjoyed camping, fishing, and conversing. Our sincerest condolences are extended to his loving family. Certainly his friendly voice will be missed on the many repeaters. As is our custom, we have sent a card to the family. Our thanks to Jim for supplying this photo. In a note of appreciation and acknowledgment, Jeannine McCabe, Everett's sister, thanked those of us who attended the visitation and funeral. She added: "Evie had his talking book radio too, but the ham radio was 1st place in his heart. (And he) ...was a kind, loving person and very smart!!" We certainly agree with those comments.



TOWER PROJECT AT KØLFV'S QTH: On Thursday, Sept. 16, Fritz WØKO and Terry KIØFW helped Lyle get the base of his tower in. It was a homebrew project requiring 25 sacks (60-lbs. each) of premixed concrete, a rented mixer, a little muscle and concrete finishing techniques by Terry. By the way, Lyle used recycled sidewalk chunks in the base, thus it turned into a "green" ecologically friendly project also. In case of medical need, Terry was also available for lifesaving. Luckily there were no medical emergencies. The event was topped off with some great coffee, a snack, and good conversation. This is an example of hams helping hams, Lyle will be working some really top-notch DX on the bands this yagi aimed at the rest of the world. This photo is provided by Marilyn (his XYL).



DX and the Paper Chase: The month of September was certainly a mixed bag of the Solar Flux Index and sunspot numbers. There were days without any sunspots and terrible SFI numbers that I worked DX into Europe, so go figure! Chasing DX throughout the month was challenging, but it was also rewarding. Since Cycle 23's solar minimum to the start of Cycle 24's minimal start, getting DX has been somewhat challenging. Whenever a DX was on frequency, there was a pileup working him, and my big challenge was breaking the pileup rather than just working the station. Starting mid month there was worldwide DX on 15, 17 and 20 meters with very good propagation to the upper Midwest. Getting anything on 15 meters was iffy, so the DX was especially fun to work on the band and—once again—it was challenging and rewarding. The bands were very good for a couple of days as we approached the Vikings game on Sunday, the 18th. Watching the game was primary; HF was secondary until the game was over. I tried taking up residency on 17 meters, but the band was wall-to-wall QSO's from just about every corner of the globe. Finally, I found an opening at the lower end of the band at 18.115 with the beam at 320°. I started calling, figuring that the JA's would be listening and they were and the fun began. It was a wonderful way to end the day on HF. Since then as I type (09/21), the bands are still bringing in some good DX. There will be good days ahead for DX as we head into the beginning of fall and the Autumnal Equinox, so don't forget to sit down at your station and call CQ. Someone is out there listening for you. So long from Huntersville for now, 73, and good DX from **Bob/WØZPE**.

Propagation de K7RA—from ARRL—10-01-10

HF radio conditions were good over this past week, with average daily sunspot numbers up more than five points to 45.3, and average solar flux rising 1.5 points to 84.4. On Wednesday, September 29, solar flux was 90.7. The last time flux values were nearly this high was August 7 at 90.5, and it last topped this value at 91.8 on March 13, 2010. With the end of September comes the opportunity to examine some average sunspot numbers based on calendar months. These numbers look good. Every month since early 2007 we have taken a 3-month moving average of sunspot numbers. The hope in the beginning was to help us spot the bottom of the sunspot cycle without resorting to smoothed sunspot numbers, which average a year of sunspot data. But three months of data allows a lot of smoothing of short-term variation. The three-month moving averages of daily sunspot numbers for October 2008 through August 2010 were 4.5, 4.4, 3.6, 2.2, 2, 1.5, 2, 4.2, 5.2, 4, 4, 4.6, 7.1, 10.2, 15.2, 22.4, 25.7, 22.3, 18.5, 16.2, 20.4, 23.2 and 28.9. This takes into account all of the daily sunspot numbers from September 1, 2008 through September 30, 2010. It is clear that there was a minimum centered around April through July 2008, and that for the past few months numbers have risen steadily. The monthly averages for August and September 2010 were 28.2 and 35.7. (Editor's Note: What does all this mean? Better DX ahead—keep trying as our DX-Master WØZPE says in his column. You editor has been working DX easily in the NNW, N, NE directions in the evenings on the low end of 20.)

ECHOLINK NODE for Hotsprings, Arkansas, QSO's with Jim KØTXT from our system: The Node number is **474900** and the call sign on the system there is **K5UBM**.

2010 Tour of Cuyuna Bike Race—Sept. 11—Photos & Text supplied by Lyle KØLFV: I would like to take this opportunity to thank everyone of you who helped out with the Cuyuna Bike Tour. A number of positive comments were heard from the Tour officials and participants on how well we handled the event. They especially appreciated our watching the routes. In addition, having the APRS set-up in the Comm Trailer was a big help, and—as always, when we work an event, we learn something new. Net control operators for this event were Ron KØGOP and Doug KDØERE with Lyle KØLFV handling the coordination and information between the Net Control Ops and the Bike Tour Chairpersons. Monitoring the Rest Stops were Alan AAØAS, Terry KIØFW, Jim WØJDS, Bill (No Call Sign Yet), and Wynn KA3DQN. The rest of the crew Shirley KØDCW, Dave KCØTGT, Roger WØWUG and Al WØRC monitored some of the higher traffic intersections and helped out at a couple of the rest stops. John WØWY was the only Sag Wagon this year and was dispatched where needed and also check the routes to make sure that no one was left on them and clear of all event participants. Overall, the Bike Tour went very well and the Event Chairpersons were very appreciative of the services provided once again by the Brainerd Area Amateur Radio Club volunteers. BAARC Volunteers received Event T-Shirts and snacks at the rest stops and a hearty lunch at the Event Center.



Pictured above are some of the participants: Back row (l-r) Ron KØGOP, John WØWY, Brook K4RXR, Lyle KØLFV, and Doug KDØERE: Next row (l-r) Alan AAØAS, David KCØTGT, Roger WØWUG, and Terry KIØFW. One of the NCS below is Doug KDØERE.



Automated External Defibrillator (AED). (continued from p. 1) Alan Sherburne, M.D., (AAØAS) presented a very informative program on the use of the Automated External Defibrillator (AED). The purpose of the program was to allow members present a more in-depth look at the important aspects of resuscitation. The BAARC thanks Kurt Doree of the Brainerd Fire Department for providing the “dummies” and training devices for Alan’s talk.

None of us want to be neglectful when we come across real-life situations—we want what those in distress want—another chance at life. In fact, Alan said that MN law requires citizens to act. It is their duty to provide reasonable assistance—the Good Samaritan Law, which does not hold the ordinary citizens liable, should they make a mistake in attempting to help others. Besides, it is what all humans should do to save lives of others—try to help.

Many have seen these AED devices in public places. Police departments have them in their vehicles. In addition, the devices are easy to use—no need to be afraid to act when you are faced with one of these resuscitation situations. In fact, children who can read have demonstrated that they can follow the basic 3 steps that operate the units.

Alan mentioned the Pequot Lakes student athlete who collapsed going into sudden cardiac arrest. Bystanders were able to help him and others. Other personal experiences were included. Using analogies, Alan explained a sudden cardiac arrest as an electrical problem with the heart and a big killer in the United States. A heart attack is a plumbing problem with the heart where blood flow is not what it should be.

The development of the science in medicine on fibrillation and defibrillation is a long one starting roughly in the 1850’s. It gradually progressed in 50-year leaps. With animals being a part of mankind’s learning process, we humans have benefited when doctors/scientists discovered that electric shock/currents can affect the heart. Of course, these early attempts at understanding were crude by today’s standards. Nevertheless, they led the way. The first real success was with a 14-year-old boy who needed defibrillation—this was in the 1950’s era. Today with better understanding of low voltages, currents, and small batteries, these devices are saving lives wherever they are employed. Oddly enough, Alan mentioned that the Soviets (Cold-War Era) were well ahead of the West in this field—but kept the secret to themselves at first, while our medical scientists were developing the gadgets and processes separately.

So what should you do? Getting a defibrillator to the heart victim immediately is the top priority. The earlier an AED arrives, the greater the chances of survival. Every minute wasted decreases a good outcome by 10%. In such an emergency, send a bystander to call 911 and get an AED if available while you check for basic signs of life and start CPR. If you are alone and no AED is immediately available, call 911 yourself and then start CPR.

Alan mentioned new guidelines will be announced on November 12, 2010, by the American Heart Association, and he is predicting that the guidelines will focus on more effective compressions patterns and less on breathing. In fact, dispatchers are already telling basic rescuers to concentrate on continuous compressions for the first 5 minutes.

By necessity he only gave us an abbreviated look at the defibrillation process. With changes coming, it behooves us to take a classes on this subject and learn the fine points. Again, Alan, thanks for providing us with this life-saving information.—de Fritz WØKO

SUNDAY NIGHT NET OPERATORS

- 10/03/10 Charles W5CCL
- 10/10/10 Lyle KØLR
- 10/17/10 Ron KØGOP
- 10/24/10 John WØWY
- 10/31/10 NO NET—Goblin Patrol

- 11/07/10 Lyle KØLFV
- 11/14/10 Doug KDØERE
- 11/21/10 Marcia WØZMC
- 11/28/10 Bob WØZPE

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



BAARC, Inc.
Ham Radio at its best in the Lakes Area
Affiliated with the ARRL

Find us on the Web:
<http://www.brainerdham.org>

Would you like to write something for your BAARCer? No problem. Get it to Fritz via the e-mail address shown on this page in the box at the left. How about a short biography?
Note from Lyle KØLFV: The two banners and the APRS Station (computer, radio and TNC) have been returned to the Club Station. This portable APRS Station worked well during the recent Bike Tour by keeping track of all the participants and SAG wagons. Also Lyle delivered a replacement HP Desktop computer to the Club station, which Al WØRC will install when he has the time. This new one will replace the WIN98 System that currently runs the Echolink and other programs here. Thank you, Lyle and Al, for your continued help and generosity to the Club.

Note from Sharon KBØSQX: We all know that **YL** means "young lady." **XYL**, in addition to the way we hams use it, means "wife of a ham." Some think the term **YL** is more complimentary than **XYL** (formerly young lady or ex-young lady). To Sharon, and to many others—we are sure—it means "**Extra-Young Lady.**" Obviously this new and extended meaning is much more positive. Thanks, Sharon, for the neat perspective and contribution. By the way, she is the **XYL** of Jim KØTXT.

Happy B. D., Jim and Sharon. Both celebrated birthdays in Sept. and provided cupcakes for us at the Sept. mtg. TNX .

United We Stand



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

