HamGab

Next meeting: June 12th

PO Box 474 Crestwood, IL 60445-0474 www.hamfesters.org

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<u>June Birthdays</u>

Kelly	KB9ZRM
Zygmunt	KZ9DX
David	K9FGB
Paul	WD9GEH
Donald	K9KNZ
Harling	KC9KUX
Robert	K9MUY
Timothy	KC9POS
John	KG9QH
Robert	KB9YXH

Officers

President-Don KC9EQQ Vice President –Jim KB9CYL Secretary-Patty KC9LYE Treasurer- ED WA9EOL SGT at Arm-Jim N9HSH Trustee-Bruno K9QKB **Board Members** Nora KC9MLV Steve W9KXT Kurt WB9FMC Kerry AA9SB Cathy KC9NRH Hamgab Editors Steve & Eric KC9OOL & KC9OOM Scapstone@aol.com

Our Next Meeting is June 12th! Due to a conflict with the village of Crestwood, our next meeting has been moved to June 12th. Jim Riley KB9CYL will give his highly entertaining Field Day presentation. See Jim's column on page 5 for Field Day details.





Field Day is coming! Saturday June 27th and Sunday June 28th at 115th and Oketo, Worth, IL. Contacts are waiting day and night.



Note: The Fourth of July barbeque will be July 10th! Don't miss it. This will also be the last meeting where Hamfest tickets will be available.

Thanks Pete K9OWQ for the outstanding presentation on the SS Badger Trip. As Pete pointed out, the SS Badger is the only coal powered passenger ship still in regular use in the U.S. The Badger was upgraded last year and meets all EPA pollution requirements. There is not a better ground plane than a 6650 ton ship and contacts were made a plenty last year. People were also impressed by the low S1 noise level on the ship. We were even more impressed by the picture of Peggy K9QLM driving the ship! Pete reminded everyone to bring hose clamps, extension cords and plenty of coax. All you have to do is set up your antenna, hook up your rig and you're ready to make contacts while sailing across beautiful lake Michigan.



The trip will be on September 12&13. Go to SSbadger.com or call 1-800-badger for reservations. Make sure to mention the ham radio cruse. There is a discount if more than 10 of us sign up.

"MAKING IT HAPPEN"

THE PRESIDENTS BEAT DONALD POINTER KC9EQQ JUNE 2015

Go ahead, I dare you! I double Dog dare you to find a Ham Radio club as fun, crazy and unique as Hamfesters! I mean look at the above photo.

This image was taken at last year's Field Day and clearly demonstrates that yes, we are out there to make the contacts and listen to the world and have it listen to us, but fun is what we are truly about. I think that for a reason is a purposely inherent trait of this club. That reason being you should indeed enjoy fully becoming and being an Amateur Radio Operator. This year I have heard it said more and more that we as a club certainly do take the time to make visitors feel welcome and comfortable when they "walk" through the doors of any of our events/meetings. No Cliques, no egos, no attitudes. Just one common belief that if we are to see this wonderful thing called Ham Radio grow, we must and we shall go to any length to respect what our founders of this club taught us- Be true, Be nice and be truly engaging to and with the individual first and the club *and its members will be successful beyond anything they thought possible, meeting people of the highest caliber and character ensuring growth through unity and respect.* Not to mention the most important benefit <u>FUNI</u>

There is one thing more that ensures our growth my fellow members. Involvement.You might be sitting there thinking, well what do I have to contribute? Hey maybe you are the fastest and best Human Soldering Machine there is. Now that is a great skill to have available to your fellow members at Field day! Or maybe you can help pitch our main tent at Field Day, better than the late TV spokesperson Lynn Burton could pitch cars! Have you got another hobby you are into! Maybe you could speak about it at a future meeting of ours. If you love people and have great customer service skills, I could sure use you and that smile at the ticket gates at Hamfest! Look around you at the next meeting of ours. There is inspiration every where to get you fired up. I need also some great people to walk the grounds and see how our guests, visitors and vendors are doing.

Well, I hope I have given you all something to think about. And to all of you who are always there when I need you, God bless you and thank you!

Speaking of Fun, you will experience just that when you attend our next Hamfesters meeting on Friday, June 12th, 2015. Yes, the date is correct. A change was made to accommodate a necessary function for the Village of Crestwood. At that meeting our very own Jim Riley KB9CYL will be presenting his annual Field day Presentation. It is one of the most fun programs we have all year, as Jim shares information, photos, tidbits and information about the actual upcoming Field Day, which is held on the weekend of June 27th and 28th, 2015 in the town of Worth. Location is about one quarter mile west of Harlem on 115th street in Worth, Illinois. On behalf of our club, I wish to thank the Village Officials of Worth for their help and cooperation in assisting us with using their fine park facilities. Special thanks to Jim and all of our members who come together with their enthusiasm and special skills sets in making this event so successful each and every year. See you at Field day and Jim's presentation!

BACK ON THE BEAT: I understand that Pete K9OWQ did a fine job at the May meeting as he gave his lecture on the upcoming S.S Badger trip this coming September. Everyone I have spoken to since that night gave very high praises for Pete's program. I was not able to attend as I was out of town at a conference, but none the less, I wish to thank Pete for his dedication and time.



At the same night as Pete's program, I wish to also thank Brian W9HLQ and Granville W9PNG for their presentation on how to use our new online commerce section of our club's website. This will enable you the member to securely pay your dues, order Hamfest tickets, (hint, hint); Christmas Party tickets and other items right there on your Hamfesters website. These two gentlemen should inspire everyone to jump on the bandwagon and lend your special skills towards the goal of continuing to make this the best darn Ham Radio club out there.

More Hot Program news! A special reminder to all of you: Our Independence Day picnic and Salute to all those who have worn the uniforms of our Military and First Responders will be held on Friday, July 10th, **not** the Third. Bring your best dishes of goodies for all to enjoy, and we as a club will provide plenty of Beggars Pizza for all you pie lovers out there! I need only one thing more from you folks out there- Who can arrive at 5:30pm to help Nora and I set up on the Tenth? Give me a shout and let me know if you can come out and help. As part of our salute to those in Uniform, Ron Kalat will once again be helping us with that Salute by Having the Honor Guard of the Chicago Ridge VFW post present Colors that night. When you sit down to enjoy your meal that night won't you please invite one of those Honor Guard members to join you at your table and give them that Good Old fashioned Hamfesters Welcome!

Worth repeating again! Brian W9HLQ and Gene W9PNG want you to know you can now go to our website, (<u>www.Hamfesters.org</u>) and pay with your credit card for things such as dues, Hamfest Tickets and even our Christmas Party tickets. Yes, it is secure and handled through PayPal. Contact Brian or Gene for more info. And yes, we still will take good old Cash at the meetings too for all the aforementioned purchase items!

Okay, Dads it is your turn to get a Presidential thank you. Nora and I wish to thank you for all you do and hope you have a great day of your own.

P.S. Did you ever see as fine a group of line dancers in your life as in the picture above??? Just saying.... Rock on guys!!!

Don Pointer KC9EQQ

President of the best darn Ham Radio club going-Hamfesters Amateur Radio Club of Crestwood!

Questions, comments etc., for Don? Please email him at: hamprezlistens@mail.com or call him between the hours of 10am to 8pm at: 773-426-1936.

Board Meeting Minutes de Patti, KC9LYE

Hamfesters amateur radio club W9AA April 27, 2015 board meeting it began at 7:34 PM.

Roll: Don KC9EQQ, Jim KB9CYL, Patti KC9LYE, Nora KC9MLV, Cathy KC9NRH, Steve W9KXT, Kurt KB9FMC, Kerry AA9SB, Jim N9HSH.

Visitors: Brian W9HLQ, Gene W9PNG, Cindy N9CAS, and Bob N9KWG.

Health and welfare: Ed WA9EOL, is not with us tonight, because his sister-in-law is ill.

Bob N9JYX, might be released from the hospital soon.

Programs: May 1st meeting, Pete K9OWQ, will talk about the September 12, and 13, 2015 SS badger trip. Also, Brian W9HLQ, and Gene W9PNG, will talk about the Hamfesters.org website.

Minutes: April club minutes were approved by Jim N9HSH, and Steve W9KXT.

Publicity: Kerry AA9SB, publicity for the May 1st club meeting has been sent.

New business: July 10 is our annual meeting and picnic.

Brian W9HLQ, and Steve W9KXT, told us about the Flex brand HF transceiver donated to Hamfesters by George K9PAW. Jim KB9CYL, will donate a computer to be used with the transceiver.

Old business: Thanks to Brian W9HLQ, and Steve W9KXT, for finding someone to repair our field day tent. **Field day:** Field day June 27, and 28, 2015. Jim KB9CYL, and Don KC9EQQ, will clean out the club's trailer. **Hamfest 2015:** Kurt WB9FMC, has bought prizes for hamfest and approximately 80 hamfest tickets have been sold.

Adjournment: 8:40 PM

Notes from May Meeting

Brian and Granville gave a live demonstration of the website at the last meeting. Our website really is first class. They explained how to navigate the web site. Use the down arrows on the left to expand the topic. There is even a new upcoming events section on the right side of the screen. Check out the roster in the members only section and you can even make sure your dues have been paid, hint, hint. Also, don't miss the Field Day trailer if you haven't seen it yet. It is available in the Field Day section of the website or on you tube. It was even seen on Ham Nation on April 22. Kudos to



Brian and Granville; they are putting Hamfesters on the map.

We wanted to thank MikeWA9ZPM for bringing a wireless microphone to try out at the last meeting. It sounded great. And our very own treasurer Ed WA9EOL volunteered to donate a microphone to the club. Thanks Ed.

General Meeting Minutes de Patti, KC9LYE

Hamfesters amateur radio club W9AA club meeting May 1, 2015 began at 7:31 PM

Roll: Jim KB9CYL, Ed WA9EOL, Patti KC9LYE, Jim N9HSH. Don KC9EQQ, wasn't here tonight, but Nora KC9MLV, was.

Health and welfare: George N9VOK, will be at field day this year, Jim KB9CYL, will bring George. Thanks, Jim!

Program: SS Badger trip 2015 on September 12, and 13, by Pete K9OWQ. Brian W9HLQ, Gene W9PNG, talked about the 5000A Flex brand transceiver donated to our club by George K9PAW.

And, they discussed our club website Hamfesters.org.

New business: AI N9ZD, is selling Hamfester tickets tonight.

On June 12, Patti KC9LYE, will be taking orders and money \$6 each for field day pins.

Treasurer's report: Ed WA9EOL, club expenses: doughnuts, field day tent repair, and license plates for our club's trailer.

Minutes: April club minutes approved by Bob N9KWG, and Cindy N9CAS.

Publicity: Kerry AA9SB, has sent publicity for tonight's meeting.

Field day 2015: Jim KB9CYL, field day is June 27 and 28th. Don KC9EQQ has given Jim KB9CYL, photos from field day 2014.

More New Business: Mike WA9ZPM, demonstrated a wireless microphone. Ed WA9EOL, will donate a wireless microphone to the club. Thanks, Ed! Jim N9HSH, will be on CBS TV on May 2nd at 10:30 PM. We'll get to see Jim ham shack. Don KC9EQQ, will be part of a documentary on the TLC channel about the Willis family on May 5th.

Adjournment: at 8:40 PM by Jim N9HSH, and Pete K9OWQ.

Sue W9ARH, won split the pot tonight \$32.00. Congratulations Sue! Door prize winners: Steve K9SGB, Steve W9KXT, and Brian W9HLQ.



There's nothing wrong with your receiver. Everyone has gone to bed.



osh, I hope they bring more of these great newsletters on their next trip



Hamgab, June 2015

CQ Field Day de Jim Riley KB9CYL

We're getting the band back together! Ray NW9S and Wayne W9BBB will be in charge of 40 meter CW this year. We'll be operating with the old crew we had at Camp Swampy and at Moraine Valley. Except for thunderstorms, neither rain, nor heat, nor cold, nor wind, nor gloom of night will deter the hearty Hamfesters Field Day group from racking up a bunch of phone, CW, and digital contacts.

The place is Altman Park at 116th and Oketo, a quarter mile west of Harlem in Worth. If you're not sure where that is, just click the

link:http://www.arrl.org/field-day-locator and type W9AA where it asks for

location or call sign. Talk-in will be on 146.43 simplex. Look for our newly-refurbished yellow and white canopy tent next to our paved parking lot.

Operations run from 1 p.m. Saturday June 27 through 1 p.m. Sunday June 28 but setup begins at 0800 Saturday. The more help we get for setup the quicker it gets done. The quicker setup's done, the more time we can spend swapping stories of Field Days past. There are lots of them and they get better every year.

I got some good news from Cathy KC9NRH since the last meeting. She and her other half, Bob N9KWG, will be providing our Saturday lunch and dinner. She put the arm on somebody who will be working for her so she can have the day off. As usual, Ed WA9EOL will be bringing breakfast on Sunday. I have to break away on Saturday for my grandson's birthday party. It's just up the street in Palos Heights. I won't be gone long and I'll see if I can scam some of my wife's desserts before I come back.

New to ham radio or Field Day? Don't be daunted. My Field Day rule number one is "Everyone who wants to operate, operates." Friendly and patient FD veterans will be at the GOTA station to help you make your first HF contact. High fives will be liberally handed out.

Be sure to make the June meeting where the topic will be...you guessed it: Field Day. We'll finalize our plans and present an audience-participation picture show of last year's event. You'll see just how "seriously" your club takes the number one operating event of the year. Don has sent me 462 pictures so you might want to bring a pillow.

Your FD group has been working behind the scenes all winter to make sure this year's event is the best ever. Be sure to join us and see how we do.

Psalm of Radio

Radio is my hobby; I shall want. It maketh me stay home at night.

It leadeth me into much trouble. It draweth deeply on my wallet I go into paths of debt for its name's sake.

Yea, though I understand radio perfectly, I fear no challenge.

The squeaks and squawks; they comfort me. I will transmit to friends; not mine enemies. We anoint new hams with the spirit.

and that spirit spillith over.

Surely the radio bug will follow me all the days of my life.

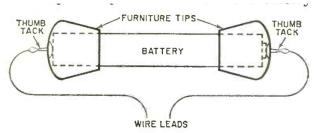
And I shall dwell in the house of poverty forever.

(unknown)

Hints and Tips

If you need a re-usable connector for a battery and you don't have one in stock... here is an idea that might work. I found a ½ inch furniture leg protector works for "AA" batteries and a 1 inch will do for a "C" cell.

73, -=Brian, W9HLQ=-





Hamgab, June 2015 Hamfesters Receives FlexRadio 5000A





Flex 5000A on left and PowerSDR screen on right

Due to the generosity of George Ostrowski, K9PAW, our club received the donation of a new Flex 5000A. He is an active ham operator operating mainly on 160 meters. He is a charter member of the Mobileers 160 Meter Radio Club. George is a retired physicist from the Argonne Labs. He chose our club for the donation because we are an active radio club. The board has decided to use the Flex in the club trailer for Field Day. After that we will make the radio available as a loaner to club members for a month at a time on a rotating basis.

The radio operates 160 thru 6 meters at 100 watts output. It consists of two parts: one contains the RF components, the analog to digital converters, and control circuitry. The other part is a computer running any version of Windows. The computer runs a software program called PowerSDR. PowerSDR's function is to control the radio via the mouse and keyboard. The radio status and functions are displayed on the computer screen. The interface between the radio and computer uses a FireWire connection (IEEE 1394). Due to the high control signal traffic between the units, the normal USB connection proves to be insufficient. The bandwidth and number of signal threads are much higher with the FireWire connection. For more information on the SDR check out the WikiPedia site; https://en.wikipedia.org/wiki/Software-defined_radio. This will be a great radio for our field day station!

Jim Riley, KB9CYL, donated an older computer to be dedicated to the Flex/computer package. Jim, N9HSH is going to build up a new computer from the computer chassis. So we thank both Jims for their effort in making this donation a valuable asset to the club. And again thank you, George!

How Long Will a USB Stick Last?

There are two parts to this question 1. How many times can you write to a flash drive before it stops working? 2. How long will a flash drive retain its data? Wikipedia says, "1 million write or erase cycles with a 10 year data retention cycle." If you use 100 cycles a day, 1 million cycles could span 10,000 days or over 27 years. Some devices level the usage by autoshifting activity to underused sections of memory." However, things have changed with the newer, higher quality flash drives due to auto-shifting activity so a good flash drive can write 10,000 times to every single



flash memory cell in the device. A flash device can then rotate which memory cells are written to and redirect the "read stream" of data to good cells in the event some cells become defective. Japanese scientists in 2012, wrote data 90,593,104 times to a flash drive before it died but data could still be read from it.

So how long will a hold data? It will to be subject to the same electro/magnetic deterioration any other electronic or magnetic media is subject to: over time, the cells will lose their charge state, resulting in the discreet 1's and 0's being muddled. Flash drives have not been around long enough to make a concrete determination but as with any form of memory which relies on electro/magnetic charges, decay will happen.

from Westlakes Amateur Radio Club Inc.- Magazine April 2014

Hamgab, June 2015 Radio kits are alive and well!

So you think radio and electronic kits are gone forever. Oh, for the days of Heathkit, Knight Kits, and the upscale Johnson transmitter kits! Well, kits are alive and well. They are just not available from one or two sources. Now many small outfits are making kits for us. The nice thing is that you can do your shopping on your computer. Most kits are not difficult to build and great kits to begin with.

http://kc9on.com/ **3rd Planet Solar** http://www.4sgrp.com/kitIndex.php **4** State QRP Group http://www.amecocorp.com/ AMECO http://www.americanmorse.com/ American Morse Equipment http://www.apogeekits.com/ Apogee Kits http://bettergrp.com/kits/ Better QRP - Baluns http://breadboardradio.com/breadboardradio/Products.html Breadboard Radio http://www.electronickitsbychaneyelectronics.com/ Chaney Electronics Kits http://www.circuittest.com Circuit-Test http://crkits.com/ CRKits http://www.ebay.com **eBay** (search for continuously changing variety of kits) http://www.elecraft.com/ Elecraft http://www.elenco.com Elenco http://emtech.steadynet.com/ Emtech http://fivedash.com/ Five Dash, Inc. http://www.foxdelta.com/ Fox Delta Amateur Radio Projects and Kits http://www.gqrp.com/sales.htm GQRP Club Kits http://k1el.tripod.com/ Hamcrafters Ham Radio Kits http://hamshop.cz/ HamShop - Czech https://www.hobbypcb.com/products HobbyPCB http://wb9kzy.com/ham.htm Jackson Harbor Press http://joplin-arc.org/?page_id=84 Joplin ARC Antenna Launchers http://www.gsl.net/k5bcg/Kits/Kits.html K5BCQ Kits http://www.kanga-products.co.uk/ Kanga UK http://www.kangaus.com/catalog/22" Kanga US http://www.makershed.com/ MakerShed http://www.mfjenterprises.com/productsearch.php MFJ Enterprises Kits **Midnight Design Solutions** http://midnightdesignsolutions.com/ http://www.morseexpress.com/kits.htm Morse Express http://www.ohr.com/ Oak Hills Research http://ozgrp.com/ OZ QRP Kits http://www.parelectronics.com/index.php PAR Electronics http://www.qrp-labs.com/ **QRP Labs** http://www.grpme.com/ **QRPme** http://www.grpproject.de/UK/rig index.htm **QRP Project - Germany** http://www.radioshack.com/search?q=kits RadioShack http://www.ramseyelectronics.com/ Ramsey Electronic Kits http://www.sotabeams.co.uk/ SOTA Beams http://www.tentec.com/search/?q=kit Ten-Tec Kits http://www.vectronics.com/Categories.php?sub=0&ref=56 Vectronics http://www.vellemanusa.com/products/list/?country=us&lang=enu&id=523008 Velleman Kits http://www.users.on.net/~endsodds/analsr.htm VK5JST Antenna Analyser Kit http://walfords.net/ Walford Electronics http://www.fix.net/~jparker/wild.html Wilderness Radio https://www.midnightscience.com/kits.html Xtal Set Society http://www.youkits.com/ YouKits

Courtesy of Brian W9HLQ

Hamfesters VE Testing de Al Bukowski N9ZD VE Coordinator

Hamfesters VE Testing Report for May 2015

On May 9, 2015, Hamfester's Radio Club VE's team assembled to administered Amateur Radio exams at the Oak Forest City Hall. We had one Candidate who earned a General ticket. Congratulations to the candidate. VE's who assisted me were Ron N9STU, and Tim AA9BV. Thank You to all the VE's for your dedicated time. If any Hamfester Member would like to join the VE team, the requirements are: Be Licensed a Extra Class, take a <u>Open Book Exam</u> from the ARRL, receive credentials from the ARRL, and be prompt the 2nd Saturday of each month at the testing Site. Please see me any meeting night or email me (N9ZD@arrl.net) with any questions.



Amateur Radio Exams INFO:

Hamfester's Radio Club VE's offer License Testing for those who want to get their first ham license, or those who want to upgrade to a higher class license. Examination sessions are available on the second Saturday of each month. We will assist you with completion of all necessary paperwork prior to taking your exam.

Requirements:

A fee of \$15 dollars is charged for the examination. Payment is Cash ONLY. Please bring a government-issued ID; (one ID could be a driver's license). If you would prefer to not use your Social Security Number on your application, we suggest obtaining a Federal Registration Number (FRN) from the <u>FCC website</u> - otherwise you'll need to use your Social Security Number.

Upgrade Examinations:

If you are already licensed and are taking an upgrade examination: Please bring your printed *original* license, and a copy of your current license that we can keep. Also, If you have recently taken an examination that has not been processed by the FCC, Please bring your *latest CSCE* and a *Copy of that CSCE* that we can keep.

Retaking the Exam:

If you almost passed the exam on your first try, and would like to try again, you may retake a different version of the exam for an additional \$15 fee.

Morse Code Not Required!

Morse Code is no longer required for any level of amateur radio license. All Morse Code testing requirements for the Amateur Radio Service in the USA were eliminated on February 23, 2007.

Location and Time of Hamfesters VE administered Radio Exams:

Oak Forest City Hall 15440 S. Central Ave. Oak Forest, II 60452. Doors open at 9:00 AM. We begin testing about 9:15 AM. Enter through the Police door entrance and look for the Amateur Radio testing exam signs for directions. ***Special note --- upcoming changes in the General Exam:

The Question Pool Committee of the National Conference of Volunteer Examiner Coordinators (<u>NCVEC</u>) has released the 2015-2019 Element 3 (General Class) question pool. The new question pool becomes effective for all Element 3 examinations administered on or after July 1, 2015, and it remains valid until June 30, 2019.

The question pool files are available in <u>PDF</u>, Microsoft <u>Word</u> (.doc), and ASCII <u>text</u> formats.

What this means is that the General Exams on July 1, 2015 will be new and anyone wishing to Upgrade AFTER July 1, 2015 should be studying the new question pool prior to the exam.

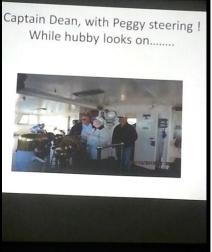


Reading through the HamGab this month, the many contributions of Brian W9HLQ become apparent. We wanted to give Brian a special Thank You for all he does. Brian contributes articles and cartoons on a regular basis. We are amazed by his creativity and ability to find interesting materials. There wouldn't be a HamGab without him this month or any other month. So on behalf of all of the Hamfesters: Thanks Brian.

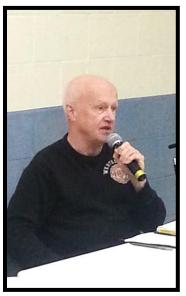


Pictures May Meeting











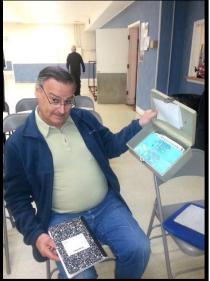
















Hamfesters Amateur Radio Club PO Box 474 Crestwood, IL 60445-0474 www.Hamfesters.org

Hamfesters Radio Club

Meetings and VE Testing

Club meetings are held on the first Friday of every month at the Crestwood Civic Center, 14025 Kostner Ave. in Crestwood, IL. Meetings begin at 7:30 PM. September meetings may vary if our meeting date conflicts with the Crestwood Flower show. Board Meetings: 7:30 PM on the 4th Monday of each month at the Crestwood Civic Center VE TESTING: Every 2nd Saturday of the Month at the Oak Forest City Hall, 15440 S. Central Ave. Testing begins at 9:00 AM but we ask that you arrive 10 minutes early. Exam fee is now \$15.00. Al N9ZD VE Team Chairman

Special Activities

Hamfesters Big Peotone Hamfest: Our 79th annual Hamfest coming August 2, 2015-Will County Fairgrounds, Peotone, IL. Kurt WB9FMC Hamfest Chairman. Field Day: Join the W9AA crew for one of the best Field Days ever on June 27 & June 28 2015 at 115th and Oketo Avenue, Worth, IL. Jim KB9CYL Field Day Chairman WAHM: Worked all Hamfester Memberswork 10 Current members for a beautiful award certificate. Matt KC9JXC Awards



Nets/Contact Info

10 METER NET: Every Sunday Evening at 8:00 PM on 28.410. Jim N9HSH is Net Control

2 METER NET: Every Monday Evening at 9:00 PM on 146.640. Tom KA9ZXN is Net Control

W9AA Mailbox:145.650 24 hours a day. Bruno K9QKB is Sysop. ILOAK:Node on 145.650

WEB SITE: <u>www.hamfesters.org</u> Webmaster Granville, W9PNG &Brian ,W9HLQ

Club's address: Hamfesters Radio Club P.O. Box 474 Crestwood, IL 60445 Patti KC9LYE Secretary

Deadline for Submitting to the Hamgab is the fifteenth of the month.