



Ham Gab

Next meeting: October 5th

October 2012



PO Box 102
Bedford Park, IL
60499-0102

www.hamfesters.org

Special Interest Articles

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Rectangular Windows pg 8

October Birthdays

Wayne W9BBB

James KB9CYL

Thomas WB9CZR

Daniel AA9DA

David WG9J

John WB9JTS

Robert N9JYX

Ronald WB9JYZ

Stanley W9KME

Lane K9MOV

Kerry AA9SB

Joseph KB9TCZ

Tom KA9ZXN

James Twohig (no
callsign)

Officers

President-Don KC9EQQ

Vice President -Jim KB9CYL

Secretary-Patty KC9LYE

Treasurer- ED WA9EOL

SGT at Arm-Rich N9UNQ

Trustee-Bruno K9QKB

Board Members

Nora KC9MLV

Jim KA2DRQ

Kurt WB9FMC

Mike W9MCS

John WB9JTS

Kerry AA9SB

James KA2DRQ

Hamgab Editors

Steve & Eric

KC9OOL & KC9OOM

Scapstone@aol.com

Chicago's famous Big Band leader Steve Cooper will be the speaker at our next meeting. See the flyer below. If we're lucky, he may just have his trumpet along as well.

**A FUN EVENING OF
BIG BAND MEMORIES**

"It was the most successful adult program we've ever had!"
Mary C. - Adult Programming - Brookfield Public Library - Brookfield, IL

Announcing a 1 hour program of rare films & videotapes of the most popular performers and songs from the days of the Big Bands and early television. Several Chicago bands performing at unique Chicagoland locations also featured.

**SEE AND HEAR THESE EXCITING
BANDS & LOCATIONS:**

- Eddie Howard Orchestra from the famous Aragon Ballroom in Chicago - Introduced by Ronald Reagan!
- Freddy Martin Orchestra live from the Coconut Grove in L.A.
- A very young Merv Griffin singing with Freddy Martin
- Harry James • Vaughn Monroe • Tommy & Jimmy Dorsey with Frankie Lane
- Glenn Miller Orchestra • Hal Kemp • Guy Lombardo • Jan Garber • Spike Jones
- Ina Rae Hutton & Her All-Girl Orchestra • Bob Crosby • Count Basie • Duke Ellington
- Benny Goodman with Gene Krupa & Sid Caesar Playing Saxophone
- Special rare footage of the Lawrence Welk TV Show (not seen in 45 years!) and much more!!!

Popular Chicago band leader Steve Cooper is your host. In addition to the rare videos, Steve will talk about the famous bands & celebrities he's performed with:

Bands of Bob Crosby • Sammy Kaye • Lawrence Welk

STARS INCLUDE:

Mary Tyler Moore • Liza Minelli • Carol Channing • Steve Allen
The Cast of "Frasier" • Also Performing on THE OPRAH WINFREY SHOW.

A question & answer session will follow the videos. Steve will even play a big band classic on his trumpet!

Steve Cooper (708) 354-2263 Email Scooper763@aol.com



Steve W9KXT presents his great program on his and his families life in aviation. Great job Steve!

Thanks again Steve for the great program last month and special thanks to your son Bill, Brian W9HIQ's son Dan, and all of the other military aviators who keep us safe.

Note: Nominations for board members and officers take place at the next meeting. It's your chance to get involved with the club.

**TICKETS FOR THE CHRISTMAS PARTY
DECEMBER 7TH AT PAPA JOE'S IN ORLAND
PARK ARE ON SALE. 18\$ SINGLE STUB,
20\$ DOUBLE STUB. WIN AN HT!! TICKETS
WILL BE SOLD AT THE NEXT MEETING FOR
\$5 APIECE. WE'LL HAVE THE RAFFLE
AFTER 40 TICKETS ARE SOLD. WE ALSO
HAVE SOME GREAT PRIZES FOR THE PRIZE
TABLE. TEN TICKETS ARE \$5.**

Win an HT!!





THE PRESIDENTS BEAT

DONALD POINTER KC9EQQ

OCTOBER 2012

It's that great time of year right now isn't it? The hottest summer in years is now bowing her bonnet to the forthcoming ski caps of fall. Leaves of green dress up now in vibrant hues of gold. Memories of swimming, baseball and cookouts give way to walks among those golden leaves in light jackets and pleasant cool breezes and oh yea- NO MOSQUITOES!

We can all agree that change is a part of life. One thing that does not change is the quality of programs that comes your way every time you attend a Hamfesters meeting! Surely was the case at last month's program featuring Steve Peters W9KXT. His program on his life in aviation that was so well done complete with videos and anecdotes, kept the audience entertained, amused and informed. The photos of runway boo boos at the end of his talk were especially jaw dropping. Thanks Steve for such a great presentation!

After his program, the great night continued with a surprise Salute to Matt K9MS as his family, (in the guise of Patty, Ed, Barbara and Patty), and his fellow Hamfester members presented him a cake in recognition of his 63 years as a Ham operator! Congrats to you Matt and it was a pleasure to see your family again too!

Are you ready for another fantastic program folks? Then bring your family and friends to one of our most anticipated programs yet- A night with Steve Cooper of the Steve Cooper Orchestra! Steve, a personal friend of mine, grew up in Chicago and went to Lane Tech High School where he learned to play trumpet. At the age of 16 he formed a 4 piece wedding band that played over 100 weddings a year. At age 20 he played with the bands of Bob Crosby, Ted Weems and Sammy Kaye. 30 years ago he formed his big band that plays parties, concerts and ballroom dances all over the Midwest. He has played for the likes of Liza Minelli, Mary Tyler Moore, Steve Allen, Carol Channing and Frank Sinatra Jr., just to name a few! Mr. Cooper also taught Junior High School music for 30 years in Burr Ridge and Darien Illinois. The program he will present, which is entitled, "Big Band Memories" is a 90 minute walk down memory lane featuring videos and audio clips



plus great stories behind the scenes of some of **the** greats in the music industry such as Glenn Miller, Frank Sinatra, and many others. Steve finishes the program playing a big band song on his trumpet and then tells the audience he knows every old song written! He will also take requests from the audience. This presentation is so popular, he has given it over 160 times! Nora and I are anxious to see this fun and entertaining event. Come on out and join us!

Back on the beat.... Get well wishes to Ben KC9CXT who just got out of the hospital recently. Also, our deepest sympathies to Bob N9RAT and his wife Kelly KB9ZRM on the passing of his brother.

I'm not outta here yet.....Don't forget- Nominations for Board members and Officers take place at the October meeting! Get involved by stepping up to the plate with your skills and ambitions to help make this club even better by being an active partner as a board member or officer of your Hamfesters Radio club!! See you at the October 5th meeting! 73's to all of you from Don KC9EQQ and Nora KC9MLV

Questions, comments etc., for Don? Please email him at: dpointer65@aol.com or call him between the hours of 10am to 8pm at: 773-426-1936.

Life At 30 Feet

Butterflies

(Author's note: The bulk of this article was written shortly after the Field Day of 2012. k.)

I am beginning to question my sanity. No, really. Why, oh why, didn't I fall in love with a hobby that was small. Light. Simple. You know, like butterfly collecting... I mean, they're small. They, when alive, flutter around. And it takes a whole mess of them to accumulate even an ounce! If one alights on your arm, do you even notice? The whole hobby would barely take up a small drawer: A butterfly net, a cardboard box and some pins. Done! No, no, I had to fall in love with a hobby where "light" is usually measured in



pounds. Even the newer radios have some "heft"! I looked up the Kenwood TH-F6A: 9oz. My goodness! That single radio weighs more than the entire butterfly hobby combined! I **know** that just the battery for my venerable IC-O2AT weighs more than that! But me, no! I had to get into HF! Just the antenna feed line can be a few pounds! And what about those radios? Unless you're going QRP, they start at 8.5 pounds! (Elecraft K3) That's not including a power supply, microphone, key or anything else!

Okay, maybe its just the "Field Day Blues" talking. I just don't remember the advertisement that said, *"Yes boys and girls, you too can spend thousands of dollars on a radio that you lug into the woods into a the tent you had to set up, attach to the antenna you struggled with for hours to keep standing, only to get fried by 90+ degree weather! Yes, and just think! After every bit of energy is drained from you because you've stayed up half the night calling stations that either don't exist or seem to be using a tin can for a receiver, you get to take it all down, clean it up and put it away!"* I mean, I ask you, just where was that ad? Hum?

Its a few days after field day and I'm still recovering. "Fried" and tired, it was good, but not everything has quite yet found it's way back to it's "home." Of course, I would still be sitting there trying to figure out how to get my monstrous antenna in the air if it wasn't for all the help I got! At one point, I thought I'd have to mount it on a broom handle! I know I'm probably missing some, I want to say thanks all who helped! That's you guys: Ron and Al and Michael and Bob and about a dozen more... And let me not forget my ever patient wife who spent the weekend before watching me "play" with that antenna and (different) mast only to have it fail miserably (spectacularly, but miserably!). It's been a harrowing few weeks. Ordering last minute parts and assembling contraptions to make the antenna work right, not to mention being on a first-name basis with the local hardware store employees. You know, it was a lot easier when all I had to do was show up! But, that's not me... No, no... Got to be in there, messing with something else. But, Lord help me, it's fun. And, if I'm able, (delivered in my best "terminator" voice) "I'll be back."

So, why do we do it? To earn the adulation of two people? (*that many, hum?*) The thrills of seeing what happens when water, wind and rain mix with live radios, flimsy antennas and leaky tents? (*yes, there's that!*) Well, we do it

for a small array of reasons. Like many other Hams, I am not an appliance operator. I've never strove for the spotlight, limelight or any other light except perhaps the "on-the-air" light. I like to "operate" the equipment, not "just" use it. Give me the old stuff with knobs and tank circuits, and I'm happy as a clam. And, give me CW. For me (and maybe for you too), the more of "me" involved, the more I enjoy it. Yes, we could hire people to build the radio, set up the tent, generator and antenna. All we'd have to do is show up, press a button and talk. Yes, there *is* that aspect of the service, but, it's only one. I think that the common element is *worth*.

We do this, as, perhaps, we do all things, for *value*. There may be some psychologist who can define it better, but, I think in general, it's the value. A useful skill. More experience and wisdom. A radio better suited. An antenna "tweaked." Friends closer through shared experience. That's not just Amateur Radio, that's life. So, when the next Field Day starts to roll around, think about getting involved. Think about sharing some of "you" with us. Do it and, you may find that you'll come away with more than "just" an experience. You may find you've increased the value of your life. I know I have!

kurttt, WB9FMC

Hamfesters Dues Information

To Hamfesters Members:

From the Membership Chairman:

Each year I get questions and concerns about dues for Hamfesters Radio Club. So here is a review of some points regarding the dues.

Here are some salient points regarding dues:



- ✓ Your club dues help support the operation of the club. Many in the club work hard to keep the club running, provide refreshments, and coordinate the many events we have all year. If you attend the meetings you should be more than happy to pay the dues. (only \$20 for full membership or \$10.00 for spouse/sibling/other family member). These low dues are because your dedicated fellow Hamfesters put on a successful Hamfest which helps to fund club activities.
- ✓ Dues deadline for the following year (2013) are payable by December 31, 2012
- ✓ I start dues collection in September (also the October and November meetings) so you have plenty of time to catch me if you wish to pay in person. I allocate my time in the fall for dues collection. Please pay during this time window.
- ✓ I give you a receipt for your dues if you pay in person
- ✓ If you can't make a meeting please mail your dues to Brian Davis, W9HLQ. Make the check payable to "Hamfesters Radio Club". Include a SASE if you want a receipt.
- ✓ I will create a Club Roster and post it on the web, at least twice a year (January and July). If the information there is incorrect, please contact Brian Davis with your correction. The roster is in the common PDF format, so you can print as many copies of the roster as you need. Don't forget that your local library has computers and printers for you to use. The roster contains names and phone numbers, please keep it secure.
- ✓ New members get a letter via email welcoming them to the club and suggesting activities they might wish to become active in, such as field day, hamfest support, programs, or refreshments.

See you at the "Dues Table" in October!

73, Brian, W9HLQ, Membership chairman

General meeting minutes – Patti, KC9LYE

Aug. 27, 2012 Hamfesters Board Meeting Start at 7:20PM

Roll: Don KC9EQQ, Jim KB9CYL, Ed WA9EOL, Patti KC9LYE, James KA2DRQ, Kerry AA9SB, John WB9JTS, Mike W9MCS, Nora KC9MLV

Visitors: Joe KA9KBU, Bob KB9YXH, James KC9SOG

President's Report: by Don KC9EQQ, Thanks to Kerry AA9SB, & everyone who made Hamfest 2012 a success. We will be discussing security for 2013. New security member Mike W9MCS. Hamfest 2013 will be held on the first Sunday in August. Ticket prices will remain \$8.00 advance, \$10.00 at gate. Our next club meeting Friday Sept. 7th.

Health & Welfare: Kerry AA9SB, continues to have dental work.

Board Meeting: The July minutes approved by John WB9JTS, 2nd by James KA2DRQ.

Treasurer's Report: By Ed WA9EOL. The 2 people who won the Hamfest email drawing have been paid \$50.00 each. Hamfesters will donate \$250.00 to the town of Crestwood, for the use of the community center. The program chairmen budget is \$150.00. Report approved by John WB9JTS. 2nd by James KA2DRQ.

Publicity & Hamfest: Report by Kerry AA9SB, Thanks, to everyone who helped make Hamfest 2012 a success. The search for vendors for Hamfest 2013 continues.

Prize Chairmen: Report by Bob KB9YXH, Thanks, everyone for making Hamfest 2012 a success.

The monthly club raffle does not cover the cost of the raffle prizes. The exception is the HT raffle. At the Sept, 7th club meeting there will be another raffle for the HT from China.

The HT ticket prices are \$5.00 each. When 40 tickets are sold, the HT raffle will be held.

At the Nov. club meeting the remaining prizes from the Hamfest will be raffled.

Programs: Sept. 7th Steve W9KXT "Hams who Fly"
Oct. 5th Steve Cooper "Big Band Singers" Also, the Good Humor Man, ice cream will be for sale. And, Oct. 5th the nominations for club officers.

Nov. Voting for club officers.

Dec. Christmas Party

Tickets on sale Sept. 7th prices \$18.00 or \$20.00 each.

New Business: General license classes begin Sept. 27th. The book cost \$30.00.

Adjournment: 8:45PM



Ham Radio e-Zine

If you like to read ham radio related articles and your subscription to QST and CQ does not provide enough reading, consider a free subscription to an online monthly magazine. This full color online magazine (known as an e-Zine for short) contains original articles, both human interest and technical. It comes in PDF format so you can save it and print it easily.

The e-Zine is called the "**K9YA Telegraph**". It is published by the **Robert F. Heytow Memorial Radio Club, K9YA**. For more information about the club, based in Illinois, check their web site at: <http://www.k9ya.org>

You subscribe simply by supplying your email address and a password.
http://mailman.qth.net/mailman/listinfo/k9ya_telegraph

I find the articles enjoyable and refreshing to read. It is limited to 8 pages, and no space wasted for advertising. It is all meat!

Give it a try for a while..... the price is right. 73, Brian, W9HLQ

Board meeting minutes – Patti, KC9LYE

Hamfesters Club Meeting Sept. 7, 2012 began at 7:35 PM

Roll: Don KC9EQQ, Jim KB9CYL, Ed WA9EOL, Patti KC9LYR, Rich N9UNQ.

43 members attended, 5 visitors.

Health & Welfare" Ben KC9CXT, has undergone heart surgery. Get Well Soon Ben!

James KC9SOG, hurt his ankle riding trains.

President's Report: by Don KC9EQQ, Matt K9MS, won the \$500.00 prize at the Hamfest.

He wrote a Thank You note which Don read tonight. Matt & his family were at this meeting.

Don found out from Matt's daughter Barb that on Sept.9, 2012 her Dad will have been a ham for 63rd years. Matt's has been a member of Hamfesters for 40 years. The club surprised Matt with a delicious cake. Congratulations Matt K9MS.

New Business: by Don KC9EQQ, Board Meeting Sept. @ Bridgeview Community Center. 7:30PM.

Board Meetings Oct. and Nov. here Crestwood Comm. Center 7-10 PM.

Report by Tom KA9ZXN, Iron Dog @ Camp Sullivan rain or shine on Oct 21st. For details contact Tom, or the STARS website. There's VE testing tomorrow Set.8th see Hamfesters.org

Club Minutes: The Aug. minutes approved by Bob N9JYX, 2nd by Tom KA9ZXN.

Treasurer's Report: by Ed WA9EOL, Hamfesters donated \$250.00 to Crestwood for the use of this space. Report approved by Bob N9JYX, 2nd by Tom KA9ZXN.

The annual audit of the club's books were performed by; Jim KB9CYL, Kurt WB9FMC, and Michael KC9OPV, record's balanced.

Education & Website: by Brian W9HLQ, General license classes will begin on Sept. 27th, 6 people have signed up. The Tinley Park emergency services provided the classroom. Thanks, Grandville KC8WBI, for help on the Hamfesters website.

Field Day: by Jim KB9CYL, FD @ June 22-23, 2013.

Publicity & Hamfest: by Kerry AA9SB, Thanks to everyone who helped make Hamfest 2012 a success. Kerry continues to contact vendors for Hamfest 2013.

Hamgab: by Steve KC9OOL, Because of the increase of photos on the website, there will be fewer photos in Hamgab. Please send articles for Hamgab, contact Steve KC9OOL

Programs: Tonight Steve W9KXT, "Hams Who Fly" featuring Bill Peters, & Dan Davis. Thanks, Steve great program.

Oct. 5th Steve Cooper "Big Band Singers" and the Good Humor Man will have ice cream for sale.

Also, nominations of club officers.

Nov. Club Elections

Dec. Christmas Party Tickets for party on sale Sept. 7th prices \$18.00 or & \$20.00

Adjournment: 10:20PM approved by Tom KA9ZXN, 2nd by Rich N9UNQ.

Raffle Winners: door Jim KB9CYL, Ed WA9EOL, raffle Kerry AA9SB, Steve KC9OOL,

Bill KC9KUX 2x's, Bob N9KWG, Herb KC9OOK, Delores (no call sign)

Hamfesters Roster News

Address Change
John Raiger, K9DRS
370 EAST CIRCLE DRIVE,
New Lenox, IL 60451
Phone: 815-717-8633

Editors Note Steve KC9OOL

Now that Brian and Gene have the new and improved website with the picture gallery up and running, we will not put as many photos in the HamGab since they are easily accessible on the website. Thanks again guys. Also we try to limit the print version to 10 pages to minimize mailing costs so that is why some of the pages can be rather busy. We can run a longer web version on some months if necessary.

Hamgab, October 2012

Amateur Radio General License Class

Hamfesters is pleased to announce the General License class will commence on September 27, 2012 at 7 pm. Location is the Tinley Park Emergency Management Agency Operations Center.

17355 68th Ct. (173 Pl and Oak Park Ave). Located behind the fire station.
Tinley Park, Illinois 60477

See our web site for details on the upcoming class and our exact location. There is no charge, however an ARRL General Class License manual is strongly suggested since it will be our study guide.



www.hamfesters.org

For more information contact Brian Davis, W9HLQ

Hamfesters VE Testing: By Al Bukowski N9ZD

Hamfesters Radio club VE's were prepared to administer FCC Amateur Radio exams on Sept 8, 2012. However no candidates came to this session. The VE's who were present are: Gene KB9RNM, James KA2DRQ, Bob N9JYX, Kelvin W9BBQ, and Tim AA9BV who stepped in for me in my absence. Many thanks to all the VE's who have given the dedicated time at the Exam sessions.

If you or a friend are planning on taking an Amateur Radio examination, please remember that Hamfesters VE's conducts FCC authorized VEC tests for Technician, General, and Extra class licenses every month on the 2nd Saturday at Oak Forest City Hall 15440 S. Central Ave. Oak Forest, IL 60452. City Hall Doors open at 9:00 AM. We begin testing at about 9:15 AM. Amateur Radio Exam signs are posted at the main entrance to direct you to the City Hall Chamber Room. We do ask that you park your car in the main parking lot between the Fire Department and the Police Department and not directly in front of the Main doors to City Hall. Walk-ins are welcomed: however an email to abukowski@sbcglobal.net informing me of your intentions would be appreciated.

Our next test session will be held on Saturday October 13, 2012.

Very important: Please remember to bring the following items with you to any exam session: The appropriate fees (currently \$15) for the test. We urge you to bring exact amount of cash, a picture ID (ex: driver's license), the original and a copy of your signed valid Amateur Radio license if already licensed. A calculator if you would like to use one.

It is very important to have your Social Security Number, or a issued FRN (Federal Registration Number). You may use the FRN in place of your SSN because without either your SSN or FRN, the FCC will not process your application. If you are upgrading from a recent exam, it is essential to bring your valid CSCE and a copy showing proof of recent passed exam(s) if not already processed by the FCC. The test fee is still \$15.00 (cash only -- no credit cards, Money Orders or checks).

73's AL – N9ZD

Do We Need Wide Rectangular Windows?

Now that the kids are getting settled back in school I wanted to write a bit about Eric KC9OOM's grade school science fair projects from a couple of years ago. I know you are thinking Ughh!, how boring, but bear with me as it does involve a fair amount of Ham radio and even a few unanswered questions.

In his first project, Eric wanted to see what materials radio waves would pass through. He came up with a system that I (being his dad) thought was pretty clever. We have an HT and a scanner so he needed a way to measure the transmit signal through the HT and the receive signal through the scanner. Eric found a relatively simple design for an RF current probe to measure current through a coaxial cable. Simply, it consisted of a ferrite choke for inducing current, which was then passed through a rectifier circuit connected to a current meter. He got a lot of the materials at the Hamfest and we ordered the germanium diodes through the internet. We also bought some copper rods from ACE hardware for constructing two 440 megahertz antennas. He then needed a Faraday cage to keep the signals contained and this consisted of 2 milk crates covered in aluminum foil.



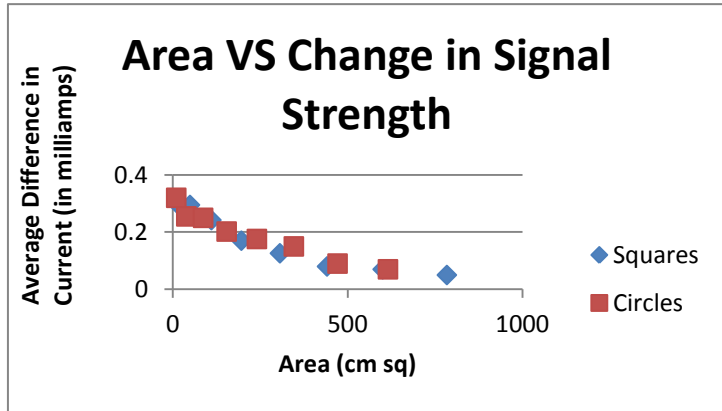
The material being tested was placed between the milk crates and the difference between the transmit signal and the receive signals could be found. Eric tested a lot of the building blocks that you would find in an ordinary wall. As it turns out the radio waves passed fairly easily through wood, insulation and ceramic tile. Of course, anything metal even a thin wire screen would completely block the transmission of radio waves. Interestingly, when the metal blocked the signal from leaving the Faraday cage, the transmit signal would increase in strength. Eric thought this was from reflection of the signal back into the antenna or (for all of the engineers out there) one of his judges suggested it formed a resonant cavity oscillator.

The next year, Eric wanted to expand on this project so he decided to see what size and shapes of opening would most easily allow the passage of his 440 megahertz signals. He used the same set up, but this time he placed a piece of aluminum foil between the Faraday cages i.e. milk crates covered with foil. He would then cut openings of different sizes and shapes in the foil to see which ones the radio waves would most easily pass through by again measuring the current differences in the coax of the receive and transmit antenna.

When Eric cut a square opening in the foil, he found that the signal would start to pass through when the square was 10.5 cm x 10.5 cm or about 15% of the wavelength of the 70 cm signal. The amount of signal passing through would then steadily increase as the size of the opening increased, as you would expect.

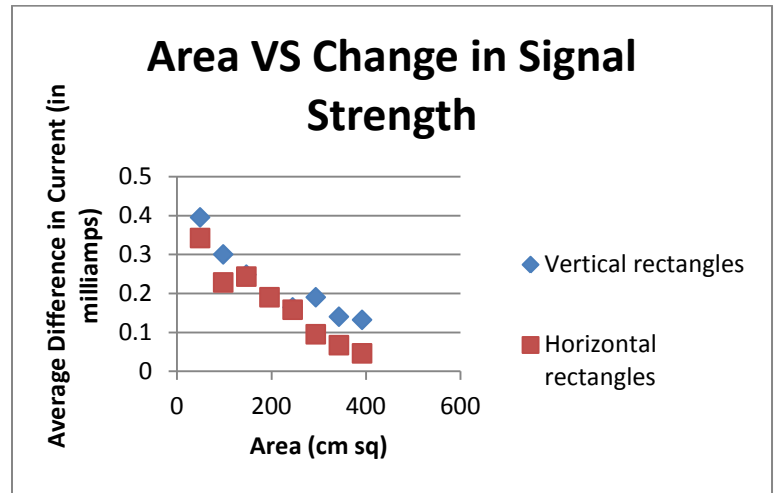
Eric also measured the amount of signal passing through circular openings. When he graphed it out, it appeared that the area of the opening was the most important factor. It seemed a square and a circle of about the same area would allow roughly the same amount of signal to pass. This can be seen in Eric's graph below





Eric then tested rectangles and his results were surprising, at least to me. He would test some rectangles that were taller than they were wide. For example one of the rectangles was 28 cm tall by 14 cm wide. He would then flip the rectangle 90 degrees and test it when it was wider than it was taller so it was now 14 cm tall by 28cm wide. Much more of the signal would pass through the rectangle that was wider than it was tall. For instance the average received coax current when the rectangle was 14 cm tall x 28 cm wide was 0.104, milliamps but it was only .04milliamps when the rectangle was 28cm tall x 14 cm wide.

In the graph, the blue line represents the vertical rectangles which let more signal through.



Now according to my understanding the antenna's we made are vertically polarized ground plane antenna's so I would have expected that more signal would have passed through the rectangle that was taller than it was wide. Instead, much more of the signal passed through the antenna that was wider than it was tall. I am not an electrical engineer or a physicist so I realize I might be missing something simple here. Also, it was a homemade set up so it is entirely possible that it was just an experimental error. But anyway if there is a good explanation for this I would like to hear it so this is my challenge out there to all of the Hamfesters who can figure this out for me. If you do, you know how to reach me. If we did something completely goofy, oh well, Eric got a gold anyway. So if you just happen to be working 440 megahertz indoors, maybe you should stand by the wide window.

Dimensions of Opening (height*width) (cm)	Test	Transmitted power (in milliamps)	Received power (in milliamps)	Difference (in milliamps)
14*28				
	1	0.15	0.11	0.04
	2	0.15	0.1	0.05
	3	0.15	0.1	0.05
	4	0.15	0.11	0.04
	5	0.15	0.1	0.05
	Avg	0.15	0.104	0.046

Dimensions of Opening (height*width) (cm)	Test	Transmitted power (in milliamps)	Received power (in milliamps)	Difference (in milliamps)
28*14				
	1	0.175	0.04	0.135
	2	0.175	0.04	0.135
	3	0.175	0.04	0.135
	4	0.175	0.04	0.135
	5	0.16	0.04	0.12
	Avg	0.172	0.04	0.132

Hamfesters Monthly Raffle

We try to do the best we can for prizes for the monthly Hamfest meetings. We however have a limited budget we can work from. We would encourage all members to contribute an item for the monthly raffle. It might be something that would be useful to others, but is no longer of use to you. It could also simply be something you just choose to donate. We try to get as broad a variety of prizes as we can. With your donations we can have even more variety and nicer prizes for our monthly raffles. If you can help we would greatly appreciate it.

This is one other small source of income for the club. Your prize doesn't have to be electronic in nature; it can be any- thing even if it doesn't deal with ham radio. Thank you in advance for your thoughtful consideration of making a prize donation and hope to hear from you very soon.

Feel free to contact me by email at kb9yxh@yahoo.com or call me at (708) 429-4511.
73' Bob Richter KB9YXH Raffle Chairman



Hamfesters Amateur Radio Club

PO Box 102

Bedford Park, IL 60499-0102

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 Oremus Center, 7902 Oketo, Bridgeview, IL

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 78th annual Hamfest coming August 2012-Will County Fairgrounds, Peotone, IL. Kerry AA9SB Hamfest Chairman.

Field Day: Join the W9AA crew for one of the best Field Days ever on June 23 & June 24 2012 at 115th and Oketo Avenue, Worth, IL.

Jim KB9CYL Field Day Chairman

WAHM: Worked all Hamfester Members-work 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. Bob W9TOE is Net Control

2 METER NET: Every Monday Evening at 9:00 PM on 146.430. Joe KA9KBU & Tom KA9ZXN are Net Control

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

WEB SITE: www.hamfesters.org Brian W9HLQ is Webmaster

Club's address:

Hamfesters Radio Club

P.O. Box 102 BEDFORD PARK, IL 60499

Patti KC9LYE Secretary

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