



The Centurion

Volume 2015 Issue 2

April

Priceless



The night creeps away, The trees all sway.
Then comes the morn, Night turns to day.
The Son arose so long ago. The darkness for to banish.
So our soul would always be, never to be vanquished.
We live and die — He died and lived. That lonely day so long ago
To make us His, He alone had made it so.

- John Spillman, KT4CB

The Wandering Ham(s) A CAPITAL Adventure

Parts 9, 10, 11

By Buddy Spiegel, W3BS

The previous article in this series

ended with the trip to Alaska where I was accompanied by **ACORL, Jerry Kahn**. Jerry is a collector of tube equipment and has restored to mint condition a Collins S line including receiver, tuner, L1 amplifier, and more. Shortly after returning from Alaska, Jerry purchased a Collins S1 linear from a gentleman in New York State, this acquisition would be the flagship of his Collins line of equipment. Jerry asked if I would accompany him to New York to pick up the S1, and in return he would stop at a few state capitals which I needed for the Clint Wise Award. This became Part “9”: WV, PA, NY, MD, and KY.



Ameritron Amp MFJ L and C

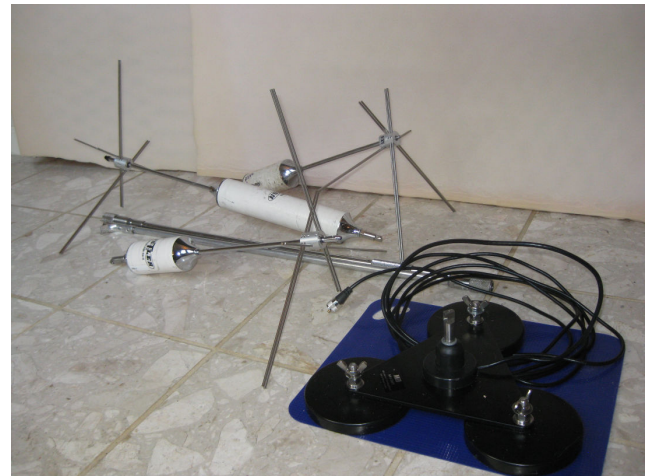
The vehicle used in Part 9 was Jerry’s Dodge RAM truck, his ICOM mobile rig, and his large Hi-Q antenna with a huge custom-made capacitance hat. We added my 12 volt, 500 watt Ameritron amplifier for good measure. In addition to the 5 state capitals, we stopped in Selkirk, NY for a tour of the 75m bureau. Jerry and I were amazed at the efficiency with which **Russ, W2UJ**, has organized the bureau. I did not think so much “stuff” could be contained in such a small area. Nice job, Russ. In Albany, NY we searched for quite a while for an operating position, our motel parking lot was not an option, we would have been in a concrete canyon. We finally located a shopping



Operating Equipment

center with a bank in one corner. Since we were operating on a weekend, the bank was closed and there were no cars near us. In Maryland, we had to change locations moving away from our hotel parking lot. No problem with the hotel, but Jerry’s diesel was making too much noise for the guest staying in a room near our operating position. Finding another spot was not a problem.

Part 10 was scheduled to be another circuitous trip to Denver for a Thanksgiving family visit, this time ex **N2KNB, my xyl**, would be sharing the driving chores in her Toyota Sienna van with my mobile equipment stacked on the driver side rear seat. The stop in Oklahoma City was to have dinner with **N5OHL, his wife, and NN5G**. The food and fellowship were both superb. Our intended route was to be: Memphis – Oklahoma City, Austin, Santa Fe, Las Vegas, Sacramento, Salem, Olympia, Helena, and Boise squeezed



Hustler Resonator and MFJ Mount

somewhere in between. Then on to Denver for Thanksgiving, and finally back to Memphis. We made it to Sacramento without incident, but the weather prognosticators view of snow in the northwest during our scheduled stops altered our plans. We left Sacramento and headed to Denver, and spent several unexpected days with our daughter, son in law, and grandbaby. It was a fun trip radio-wise, and the casinos were very kind to us. While in Denver, we had the driver side axle replaced, the boot was punctured, and lubricant was leaking slowly. That was the Monday prior to Thanksgiving. We made it back to Memphis, and on the evening of December 17th, the “new” axle failed, and seized up the transmission. Firestone did the right thing, and we had a new axle



Resonator and Cap

installed, and a new transmission installed, both by an AAMCO dealer in Memphis who I have known for 20+ years. All at no charge to me. One take away from this trip was that from Sacramento I was able to make contacts to the East Coast on both 40 and 75 meters, a distance of approximately 2500 miles. Honolulu to the West Coast is approximately 2500 miles. ‘Nuff said.

Upon returning to Memphis I reviewed my plans for Hawaii and decided to combine the Hawaii trip with the Pacific Northwest trip which was deleted from Part 10. This based on the urging of good friend WB7ASC, **Ron Seese**. Ron assured me that even if it snowed I would be able to drive the Interstates, maybe with a slight delay due to snow removal.

So, Part 11 was to be solo and consist of: Memphis,



W3BS Mobile

Honolulu, Salt Lake City, Boise, Salem, Olympia, Helena, Salt Lake City, and Memphis – renting a car in Salt Lake City, of course. After seeing my itinerary, Ron insisted I spend 2 days in Spokane with himself and Miss Sue for R and R. I heeded his request, gratefully.

Unlike the Alaska trip where all our equipment was shipped in advance, Jerry used the USPS, I used UPS. For this trip I decided to carry the necessary equipment as baggage. I acquired two Pelican cases, one was the largest which could be checked as baggage without incurring a charge for being oversized, the second was the largest which would fit in the overhead compartment. Everything I needed fit into those 2 pieces of luggage. I flew to Honolulu on a Sunday and Monday morning headed out to finalize my operating position. My first choice was one of the State Parks, but the ones I looked at all closed at



Packed and Ready

dusk, and that was in the middle of 75 early. So, I settled for a shopping center with a large parking lot. I got there and found a great spot behind a defunct movie theatre, out of the way, and well lit. I parked, and was greeted by a security guard, and a maintenance guy. Security saw no problem, but the maintenance guy said he had to check with his manager. I went shopping, and returned 2 hours later. I had to call the manager, and without hearing what I was doing, ruled that “whatever you are doing, we don’t want it”. So, I relocated to just the other side of a chain link fence, and was now on a city street in a residential neighborhood.

I unpacked. Then set up using the Tarheel II, which did not seem to like the Diamond trunk lip mount, so



W3BS Portable

I abandoned that setup. Therefore, I set the MFJ mag mount on the roof of the VW Passat (great car), then assembled the Hustler foldover mast, and attached the 40m early resonator and DX Engineering Capacity Hat. I hooked up the cannibalized jumper cable power assembly to the car battery, and the powerpole I brought, tuned up, and was ready to check in to the 40m early net. Thanks to relay stations WB7ASC and N6GC I was able to check in to the nets. Thanks also to Carl, W900 for all his “back office” support. And, many thanks to all the NCS stations and relay stations who made the whole thing work. I was visited by the Honolulu Police Department, and Lieutenant Ron spent 30 minutes interviewing me, taking pictures, and photocopying my license. He gave me a thumbs up. That was day



WB7ASC and Miss Sue

one, many contacts made, both on 40m and 75m, majority on 40m. On Day 2 I was visited by a HPD patrolwoman, who I informed of my previous day’s contact with Lieutenant Ron. She went back to her patrol car, and returned a few minutes later. She said I was free to stay, but the parents of some students attending the elementary school near my operating position were concerned, so I agreed to curtail operations for the day.

I returned on Day 3 and moved a football field away from the school, and parked next to a Fire Station. This made everybody happy. I was approached by the Fire Chief, and after talking to him, he informed me that the boys upstairs would keep an eye on me. It was a quiet neighborhood, but this gesture added to my feeling of security. I only operated 40 late on day 3, and after the net I made it to the Burger King in the adjacent shopping center. While there I received a call from my “brother” **Joe, N5MIG**, inquiring as to where I was and telling me there were folks waiting for me on 75 late. I told him band conditions were

lousy, nobody called me, nobody texted me, and I saw nothing in the Chat Room. So I enjoyed my burger, and headed back to the hotel. The next day when I checked in to the net, I was greeted with my new acronym **WHOPPER 3 BURGER SANDWICH**, thanks to "other brother" **Darrell, NOHGA**.

Day 4 was limited to the late nets, and was uneventful. Band conditions were best on day 1, and went downhill each day, but contacts were made all 4 days from coast to coast. I was mobile on day 1, portable the other 3 days. Mmmm, maybe Clint Wise Roadrunner portable coming next. Converting from mobile to portable consisted of extending the ground radials from the mag mount to the pavement, 15 ½ feet on 40m, 31 feet on 75m. The ground radial conductors were 35 foot tape measures from Lowes.

129 contacts were made from Hawaii, 30 on 75m, 99 on 40m.

I did get some sightseeing in, I got to see:
Diamond Head, and the Diamond Head Lighthouse
Schofield Barracks
Banzai Pipeline
North Shore Beaches and surfboarders
Dole Plantation

My next stop was Salt Lake City, the starting point for my Northwest Passage trip, no operating, just a good meal and a restful night. Boise was next, 61 contacts on 40m, 25 on 75m. Salem followed with 44 contacts on 40m and 44 on 75m. Olympia was next with 66 contacts on 40m and 27 on 75m. At my R and R stop in Spokane I made 44 contacts on 75m, and 13 contacts on 40m. The last stop was Helena where 77 contacts were made on 40m, and 49 contacts on 75. I think if you do the math, a total of 571 contacts were made. My last day of driving consisted of the Helena to Salt Lake City leg. I stopped at Idaho Falls at a UPS store, repacked everything into the 2 Pelican cases and shipped them to the UPS store nearest my house for delivery on Thursday 2/12. What a relief. Another quiet night in Salt Lake City, and return flights back to Memphis on Saturday.

I cannot say enough, or thank enough, Ron and Sue Seese for their hospitality. Ron was right, I needed the break. In addition to the fantastic food, wonderful fellowship, and endless adult beverages, I had access to Ron's machine shop to fabricate a part so in the



W3BS Being Served

future I will be able to use the Tarheel II with the Mag Mount on the car roof, and the Hustler Quick Disconnect System. I needed to fabricate a connection 2 inches long, with an internal thread of 3/8 – 24. Ron and I picked up a 12 inch hexagonal brass piece which would be perfect for \$1 per inch. Two 2 inch pieces were cut from the stock, drilled out using his wood lathe and tail stock holding the drill bit, and then tapped by yours truly. Thank you, Brooklyn Technical High School, for making me take 1 year of Machine Shop.

Well folks, that makes 42 state capitals since I started this wonderful adventure on 1/26/2014, only eight to go: CT, DE, MA, ME, NH, NJ, RI, and VT. As of now, the plan is to hit all eight of these early April. That will be Part 12, and hopefully you will read about it in a future issue of the Centurion.

73 de

W3BS, Buddy Spiegel

COME ON DOWN!

'**EYEBALL**' - in amateur radio parlance means a one-on-one or face-to-face meeting, conversation, or get-together. The Century Club sponsors an annual 'Eyeball' event every summer, each eyeball in a different location. This year it will be in Nashville, Tennessee from **June 18 thru 20**. Our host is **Pat Caldwell, WU8I** (pat_wu8i@yahoo.com) who resides in Springfield, Tennessee.

I have been looking forward to this upcoming Eyeball with eager, anticipatory delight since early last fall; thinking, planning, preparing. Excitement for this great Century Club amateur radio social event has been with me since the conclusion of my first Eyeball in Torrington, WY two years ago and more recently Eyeball 2014 in De Pere, WI last summer. The excitement is now starting to again slowly build, day by day, week by week. Our trip this year will slightly exceed five thousand miles, and we will take a month to do it.

At these get togethers it seems that every way you turn you have a chance to meet a new friend. In fact, you are probably already friends, from having worked each other on the air.

Our meeting facility this summer is a large K of C Hall complex, located on Knights of Columbus Drive on Nashville International Airport (BNA) property. The Hall facility has three sections; one for the stations, one for bingo, and another large room which is a comfy place to sit and socialize. A bar is available if needed or desired. The facility can accommodate up to 200 people. Five or more hotels/motels are right across I-40; a short underpass provides easy, quick access to and from our meeting facility.

It is now the middle of February and time for me to send in registration fees for Miss Sue and myself. Our fifth wheel coach needs only a new set of brakes, then it will be ready to roll. We will be camped in Lebanon, TN, arriving June 16. The campground we se-

lected is Cedars of Lebanon State Park, and it is just off I-40, about twenty miles east of the Eyeball site. The good news is that their campsites with water and electricity are only twenty dollars per night. The better news is that if you are an old timer, like me, the rate is fifteen dollars per night! This is a state park camping bargain the likes of which we have never before found in our travels around the country.

Dwight WF4H and his wife Beth have recently purchased a 21 foot trailer and will travel with that to the eyeball. **Jim and Kat Wood (N4ACS & KDOHER)** of Green Mountain, NC are also planning to again trailer to the eyeball this year. We should have a good group of campers, maybe a half dozen or more, possibly including **Don KD8NNU** and **David NOMNO** who were with us at De Pere last year.

The Top Gun shootout should be most interesting. If he shows up, I would have my money on a certain Jeep from Michigan. But, the Shootout produces surprises every year. Maybe I should just keep my meager funds in my pocket! Being on a level, unobstructed portion of the airport, the shootout location will be superb.

A circle with a radius of 450 miles drawn around Nashville covers all or parts of nineteen states in some of the most populated areas of the country. A short vacation trip of 450 miles or less could allow many club members to attend this eyeball. This is a wonderful opportunity that should be seriously considered. Last year we had attendees from Maine to California, Minnesota to Texas, Florida to Washington, and many places in between.

Please check out the Century Club website for far more information about the upcoming Eyeball. Simply Google 3905 - we are the first listing on the page; you all know that. See you in Nashville!

Ron WB7ASC and Miss Sue



CAUTION!!!

Eyeball participation may be hazardous to your looks!

Should I Really Join Facebook?

Read it all the way through! It's a good laugh! AND really quite true!! A good laugh for people in the over 60 group!!!

When I bought my Blackberry, I thought about the 30-year business I ran with 1800 employees, all without a cell phone that plays music, takes videos, pictures and communicates with Facebook and Twitter. I signed up under duress for Twitter and Facebook, so my seven kids, their spouses, my 13 grand kids and 2 great grand kids could communicate with me in the modern way. I figured I could handle something as simple as Twitter with only 140 characters of space.

That was before one of my grand-kids hooked me up for Tweeter, Tweetree, Twhirl, Twitterfon, Tweetie and Twitterific, weetdeck, Twitpix and something that sends every message to my cell phone and every other program within the texting World.

My phone was beeping every three minutes with the details of everything except the bowel movements of the entire next generation. I am not ready to live like this. I keep my cell phone in the garage in my golf bag.

The kids bought me a GPS for my last birthday because they say I get lost every now and then going over to the grocery store or library. I keep that in a box under my tool bench with the Blue tooth [it's red] phone I am supposed to use when I drive. I wore it once and was standing in line at Barnes and Noble talking to my wife and everyone within 50 yards was glaring at me. I had to take my hearing aid out to use it, and I got a little loud.

I mean the GPS looked pretty smart on my dash board, but the lady inside that gadget was the most

annoying and rudest person I had run into in a long time. Every 10 minutes she would sarcastically say, "Re-calc-u-lating." You would think that she could be nicer. It was like she could barely tolerate me. She would let go with a deep sigh and then tell me to

make a U-turn at the next light. Then if I made a right turn instead. Well, it was not a good relationship... When I get really lost now, I call my wife and tell her the name of the cross streets and, while she is starting to develop the same tone as Gypsy, the GPS lady, at least she loves me.

To be perfectly frank, I am still trying to learn how to use the cordless phones in our house. We have had them for 4 years, but I still haven't figured out how I lose three phones all at once and have to run around digging under chair cushions, checking bathrooms, and the dirty

laundry baskets when the phone rings.

The world is just getting too complex for me. They even mess me up every time I go to the grocery store. You would think they could settle on something themselves but this sudden "Paper or Plastic?" every time I check out just knocks me for a loop. I bought some of those cloth reusable bags to avoid looking confused, but I never remember to take them with me.

Now I toss it back to them. When they ask me, "Paper or plastic?" I just say, "It doesn't matter to me. I am bi-sacksual." Then it's their turn to stare at me with a blank look. I was recently asked if I tweet. I answered, No, but I do fart a lot."

P.S. I know some of you are not over 60. I sent it to you to allow you to forward it to those who are. We senior citizens don't need anymore gadgets. The TV remote and the garage door remote are about all we can handle.



Note about the "circuit" diagram image in previous issue:

The image can be found on xkcd.com web page. Credits to Randall Munroe for making the image available. Thanks RJ for pointing this out to me.

Member Profile - Buddy Spiegel, W3BS

by Ron Seese WB7ASC

As I write this Buddy is on the last leg of his whirlwind Hawaii - Pacific NW state capital tour. It was a lot of traveling for him. It involved a lot of expense, long hours in his car driving from one state to the next in one day, then facing another four to five hours in front of the HF rig each evening after that drive while sitting in an idling car. After a few hours of sleep it was on the road again. On one memorable occasion he took a quick break from the net operations to 'grab it and growl' at a Burger King in Honolulu even though he was surrounded by three and four star restaurants.

From Olympia, the capital of Washington to his next stop in Helena, MT is a drive of about 634 miles, give or take. This in the middle of winter and on a lonely interstate highway. Spokane and Missoula are the only two cities along the way. Spokane is right in the middle, so with a little e-mail traffic between us over the past month he agreed to stop for two nights in Spokane to rest and visit with Miss Sue and myself. Hence the opportunity for me to gather these tidbits of information about the King (no, not Elvis - I mean the Burger King)!

To put last things first, Buddy in the past year has visited and operated from forty-two state capitals. With just eight state caps to go, this puts him way out in front in his quest to achieve the Clint Wise Memorial Award with endorsements for 75 and 40 meters, mobile and portable, and all fifty states. Once completed, this will designate him as a 'Roadrunner', only the fourth Century Club member to hold this award endorsement. But note

that Buddy will be the ONLY member to earn the Roadrunner endorsement in conjunction with all fifty state capitals.

Buddy was born in 1947 in Brooklyn in the shadows of Ebbets Field, home of the Dodgers. His first wife (as he likes to say) is Carolyn, N2KNB (Tech plus with code), and they live in Memphis. They have one daughter, Julie N2KNA; she currently resides with her husband and child in Denver. Three cockapoops round out his family.

His occupation was that of a computer programmer, retiring as vice president of a software company in 2009. He has an educational background in applied mathematics and taught statistics and IT (information technology) at the college level.

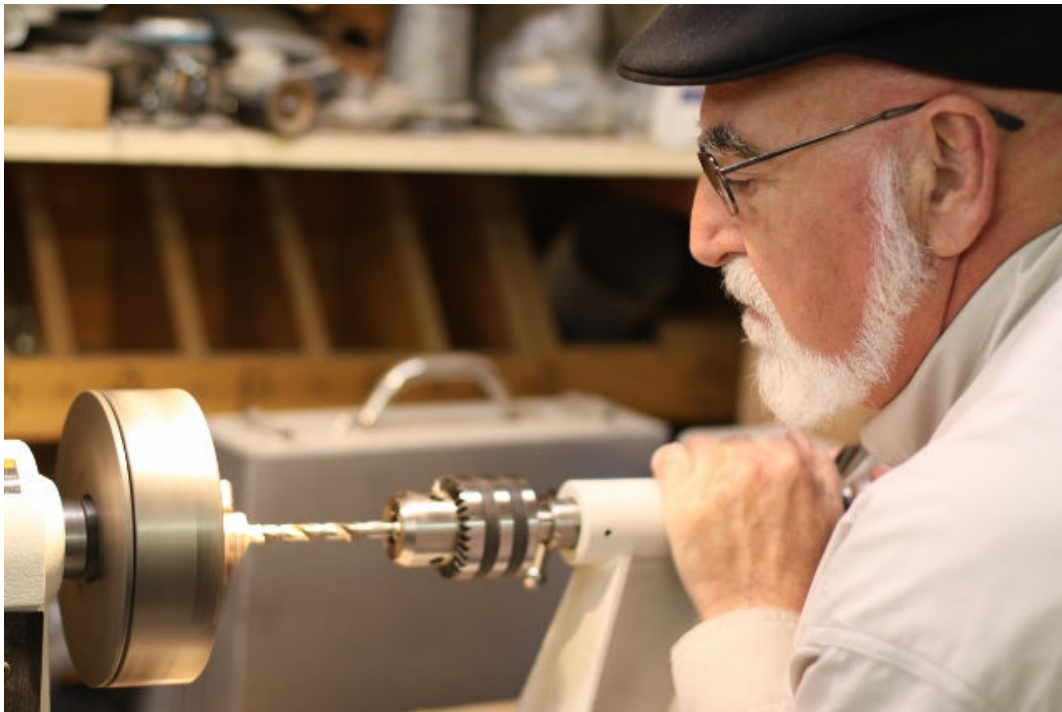
Hobbies include cooking, barbecue grill master. He can do up a real whopper of a burger on the grill! Buddy holds a private pilot license (instrument rating, SEL), is a 32nd degree Mason, and enjoys photography. He rides Harleys (he has a Softail and a Road Glide). He likes mathematical puzzles and brain teasers. When it comes to music, he enjoys everything but rap (which, as we know, isn't music). He prefers Broadway show tunes. Buddy has thoughts of maybe considering purchase of a travel

trailer or fifth wheel coach with which to do some comfortable traveling with his wife in the coming years.

While here in Spokane Buddy used my shop facilities to machine and thread a brass coupling to join antenna sections. Also as there is, unfortunately,

no Burger King

restaurant here in Airway Heights (a Spokane suburb) Buddy had to settle for and was served something we whipped up from scratch for his dinner. It



W3BS machines an antenna part

was only a medium-rare two inch thick rib eye steak. Check out the attached photos!

Many of you know Buddy from his SSB net operations with the Century Club, with him as a participant or as a net controller, operating from his home in Memphis. He obtained his amateur license in 1985; that same year he joined the Century Club. Except for a ham radio hiatus from 1992 to 2013, he has been very active. Buddy was, until recently, the 4th Area awards manager and is the current club Awards Secretary. His 'Brother Joe', which you hear him mention frequently on the air, is Joe St. Columbia N5MIG. They have been close friends for twenty-five years.

a combo have worked **N8IFS** and **WA2TEW**. Today's club members probably know those former call holders better as **KG8WL** Ralph in Michigan and **W2RCH** Richard in New York.

His most interesting or memorable experience with the Century Club?; Too many good ones to list, but his first Eyeball attendance at De Pere, Wisconsin last summer was an experience he will never forget. All who attended that Eyeball had the pleasure of meeting Buddy. He's another one of us whereby when you match a name and a voice to a face, he doesn't look at all like himself! Eyeball 2014 was Buddy's first; it most certainly won't be his last. Look for him and his wife Carolyn in Nashville this summer.

Amongst others, Buddy and his daughter Julie as 73, Ron



A custom touch for the Burger King

Eye of Toad,
Ear of bat,
Leg of frog,
Tail of cat,
Drop them in, stir it up,
Pour it in a silver cup



NO NO NO !!!!Wait, that would be for Salem Massachusetts!!! Buddy will be in SALEM OREGON tonight without the witches brew. He will attempt checking into the 40M early net tonight!!!!

Everybody get your tutu's on and make a quick run to the Burger King cause the " King of the Road" will be ready with signal reports!!!!

Joe, N5MIG

The Low Loop

By Maynard, AA9ZF

Here at AA9ZF I have used most antenna designs, Inverted Vee, Trap Dipoles, no Trap dipoles, Verticals, Long Wire, Inverted L, etc. BUT BY FAR THE LOOP IS BEST. I am not an expert on antenna function and design, however I can research and I am good with tools. So I decided to build a loop for 3.902. If you have ever built your own wire dipole you have the experience needed to construct a loop. Think of the loop as a long wire of various shapes with the ends brought together with a small gap between them that will be the feed point. The loop prompts many hams to by pass it as a viable antenna due to much speculation on how to construct and install, often complaining that loops are hard to tune. I will tell you how I built mine so that you can easily duplicate it or modify as needed.

There are many out there ready to sell you their latest hot wire creation. Keep this in mind, wire is wire, same for feed line and associated parts if you can measure, cut and solder, build it yourself. The only magic in purchased assembled wire antennas is the disappearance of your money.

First is what wire to use. I used #14 stranded with



feed line attachment to tuner.



First home made center connector from PVC

black insulation (yes Virginia radio waves go right through the insulation) purchased on a spool at your local home improvement store. Solid could have a tendency to flex and break at strain points. Insulated wire can also be run through leaves and branches with little or no effect, a big plus for city lots with trees. For 3.902 you will need 257 feet that's 64.30 feet on each square side. Rectangular should be 85 feet on long sides and 43 feet on short sides. To determine the approximate length in feet of a Full Wave Loop antenna use the formula:

$$1005/\text{Freq (in MHz)} = \text{length in feet.}$$

For 160 meters a full wave loop antenna resonant at 1.9 MH is 529 feet. For 75 meters a full wave loop antenna resonant at 3.902 MHZ is 257 feet 8 inches. For 40 meters a full wave loop antenna resonant at 7.188 MHZ is 139 feet 8 inches.

Handy Calculator (Ctrl click)

<http://home.kendra.com/kj7yl/ant.htm>

Second is Feed line - open wire ladder or window type. I use 300 ohm window line. (Coax can be used of course. Coax will however complicate installation.) Feed line is attached directly to the balanced posts

on the rear of antenna tuner. My tuner is an older Ameritron ATR-15 an oldie but defiantly a goodie. Capable of tuning open ladder feed line. and will handle 1.5KW The internal balun can be set to 1:1 or 4:1. Mine is on 4:1.

I measured out 257 feet #14 wire using the street in front my house a 100 foot tape measure and a friendly neighbor. Marked length with white adhesive tape, and rolled it back on spool. Lay out antenna so that you will have as short a feed line possible. My feed line length is 52 feet since antenna feed point is right outside shack. A couple points on feed line routing. Most articles state you should maintain a distance of a couple inches to a foot from ladder type line to metal and electrical lines. In a perfect world this may well be the case. But having to work with the space and structure I have, that was not an option. My feed line crosses over and then parallel to the 220 line for amplifier only a couple inches away. My point here is first get the antenna up and worry about theory later.

If your supports are properly spaced your feed point should come out right at feed line location. Your supports should allow a foot or two distance from corner of antenna. This allows antenna room to move and helps prevention of interaction from metal supports. That is a distance side of 64 feet will have supports at 66 to 68 feet. Feed antenna wire through all insulators allowing it to float freely. Do not cut wire until you are certain the length is correct. Both ends must meet at center, then cut attach crimp-on terminals and solder. Horizontal loops will be horizontal in polarization no matter where you feed them. So you can feed in a corner or on a side. Raise antenna to height (an assistant comes in handy here), make wire taut but not arrow straight tight. We want wire to float with movement of poles, trees etc. to keep it from breaking. Surprisingly good results can be obtained at low heights. Mine varies from low of about 22 feet to high of 30 feet.

IMPORTANT make sure height is sufficient to avoid contact with people or pets. Loops can have extremely high voltages at higher transmit levels. Using low power 10 watts or so adjust your tuner to lowest SWR. Increase power and adjust tuner as needed until your at transmit level. Note these settings so if necessary you can come back to them with out retuning. I can go from 3.902 to 7.188 without tune up on air. Don't be a tuner-upper - it's rude and hard on



DX Engineering Center Kit.

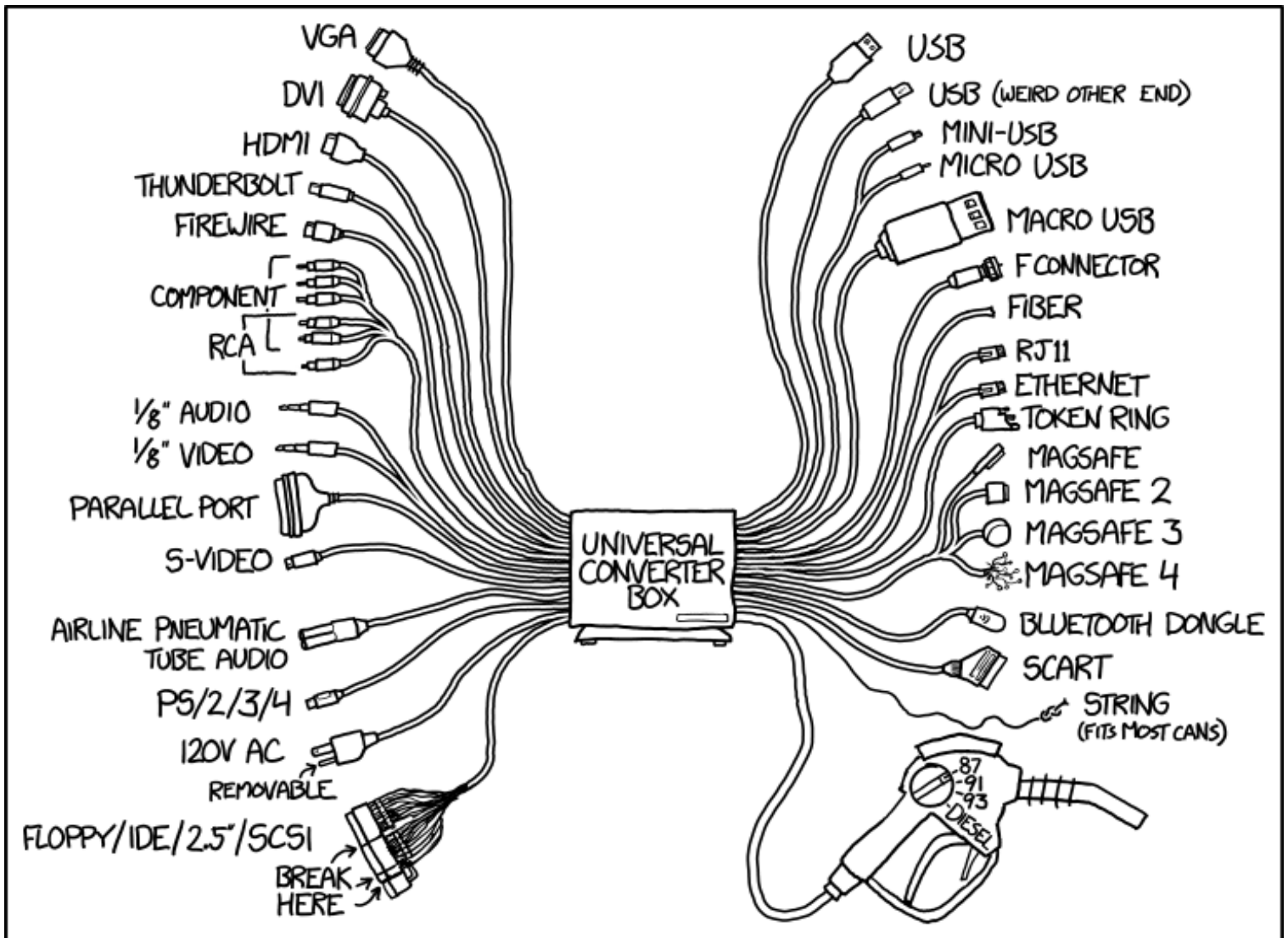
equipment. Remember what ruins amplifier tubes is long tune-ups. Well that's the story on my loop antenna. As I mentioned earlier I am more than happy with my loop. The Inverted Vee I had been using before the loop is rolled up in a corner somewhere. At this time the only antenna I use on 3.902 is the loop. Play around a bit with it and discover what other frequencies it will work on, loops are Multi Band antennas.

Maynard Anderson , AA9ZF

Parts list from Dx Engineering

I am aware other suppliers carry similar or same product. However I have experience with DX Engineering and trust their, excellent delivery of quality products. <http://dxengineering.com> (Ctrl click)

300 feet Wire #14 gauge insulated #DXE-ANTW-300
4- Insulators
1-TEE connector #DXE-UWA-KIT
100 feet support rope #SYN-BR-100 2 ROLLS FOR 200 FEET
300 ohm window line - Length suitable to your installation
4 supports push up masts, trees, house, whatever.
With some sort of pulley system to raise wire.



Plan Ahead



Dayton Hamvention

May 15–17, 2015

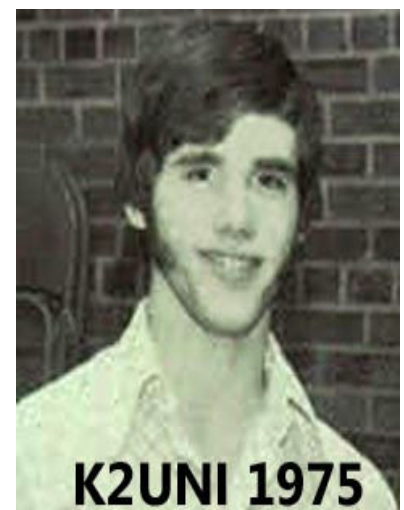
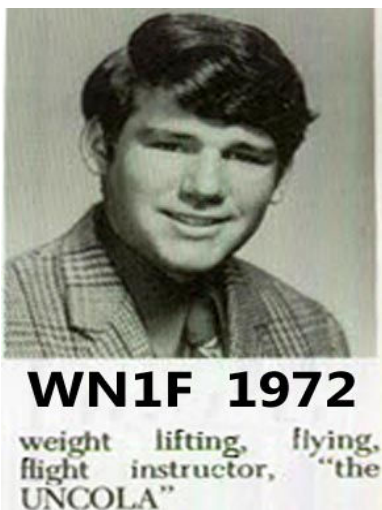
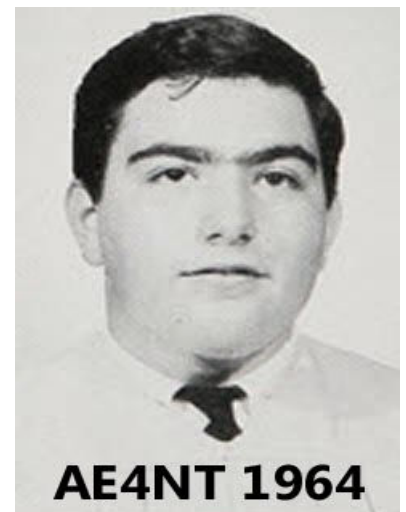
Details at: <http://hamvention.org/>



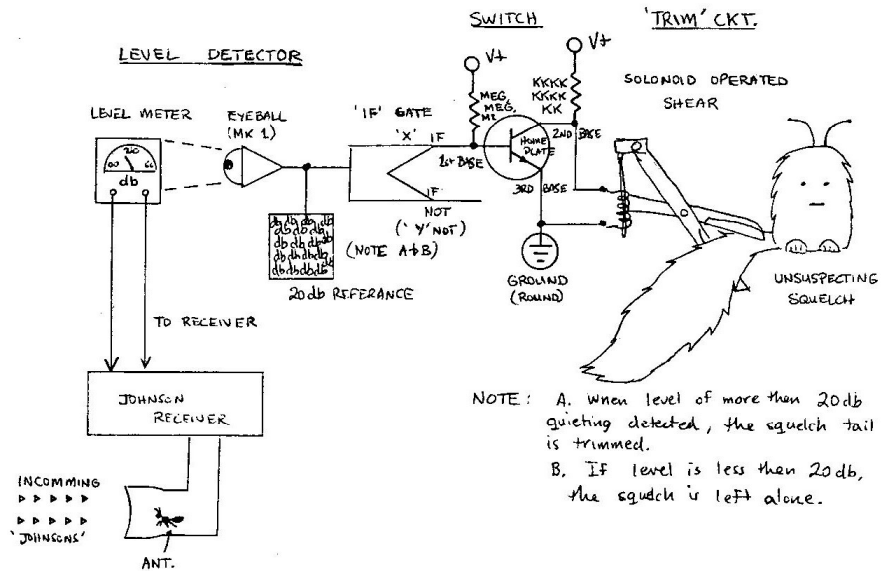
Graduation Pictures of Century Club Members



Courtesy of Carl, W900



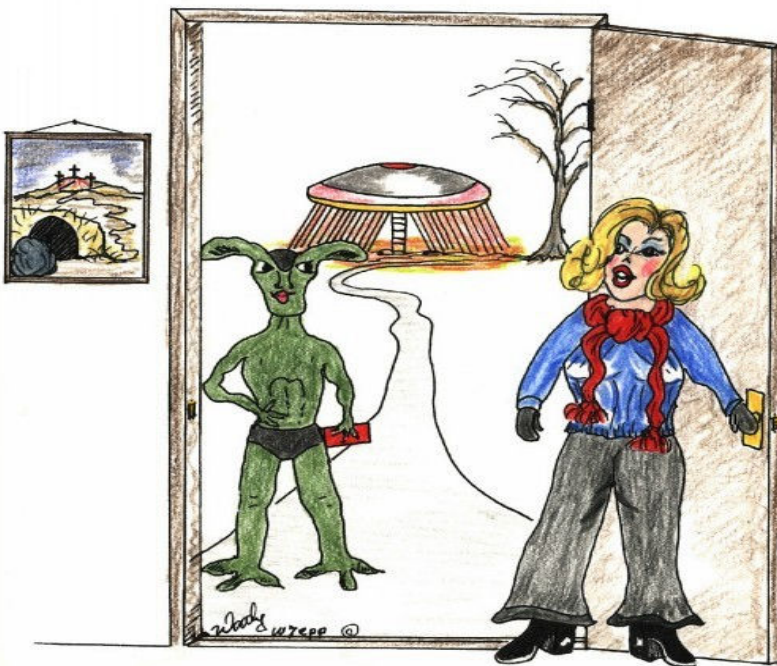
MICOR SQUELCH SYSTEM for JOHNSON RECEIVERS BLOCK DIAGRAM - CRACKER



MOBILE
VHF

APRIL 1, 1980

Where's My QSL Card? HAMTOON



HONEY ! THE GUY IS HERE WITH YOUR
QSL CARD !



New Products

ANTENNA WAX

□ Dave Suggs, K4MJN, has introduced Macaroni Brand Antenna Wax™. Recently found parchments from the earliest days of ham radio have revealed the secret formula for Antenna Wax—this blend of exotic waxes is now available to hams! Used on any type of antenna, Antenna Wax reduces SWR and QSB and eliminates RFI, TVI and splattering. It also increases antenna bandwidth and gain, repels lightning strikes, improves low-angle radiation and keeps birds off your antennas!

Antenna Wax must be applied sparingly to antennas. It makes a great gift for your friends who can't hit the repeater!

Antenna Wax is available for \$3.98 (postpaid in the US—for foreign air mail orders, add \$3.) from Tung-N-Cheek Co., PO Box 11632, Columbia, SC 29211.—*Rus Healy, NJ2L*



April Fool



February Board Meeting Minutes

3905 Century Club, Inc. Board of Directors

Area	Director / Alternate Director	Area	Director / Alternate Director
1 st	KC1AU -- Bob Wilson N1RNJ – Gary Sheridan	8th	KJ8O -- Joe Miller K8GIB -- Robert Gibbs
2 nd	N2XTT – Peter Summers K2UNI – Keith Tilley	9th	WA9DIY – Jim Foster NJ9T – Pete Thornton
3 rd	K3ATY – Kathy Krajewski N3HWH – Harry Hammerschmidt, Sr.	10th	WB0PYF – Ray Myers W0YV – Tim O'Hara
4 th	KB3PU – Jim Higgins K4CNM – Clarence Meese	DX	VE3CMB – Craig McLoughlin VE4ABU -- Al Rowe
5 th	AG5T – Marty Blaise K5SRG – Skip Guenter	Pres	W2UJ -- Russ Sawyer
6 th	W6LJK – George Huett AB6YL – Ginger Wonderling	VPres	N7XG—Dean Davis
7 th	AC7RA – Ricky Asper WB7ASC – Ron Seese		
Board Members Present Are Shown In Bold Text			

3905 CEN Board Meeting minutes 02/15/2015 (02/14 local) at 0200z called to order by the Chairman, George, W6LJK, on 7.210 Mhz. and in the board chat room.

Attendance: 1-KC1AU, 2-N2XTT, 3-K3ATY, 4-KB3PU, 5-AG5T, 6-W6LJK, 7-N/P, 8-KJ8O, 9-WA9DIY, 10-WB0PYF, DX-N/P, VP-N/P, PRESIDENT-W2UJ.
Also present: K2UNI, K3BOB, N3HWH, K4CNM, K5SRG, K8GIB.

Old Business: None

Agenda Items:

Motion by 6th Area Director, George, W6LJK, to approve the January 10, 2015, BOD meeting minutes by unanimous consent.

Second by: KC1AU

No objections. Motion passed

Motion by 6th Area Director, George, W6LJK, to approve the January, 2015, financial report by unanimous consent.

Second by: KC1AU

No objections. Motion passed

New Business:

Motion by Chairman, George, W6LJK, to thank the outgoing officers for their service. Approval by unanimous consent.

Second by: KB3PU

No objections. Motion passed.

Adjournment:

Motion made by W6LJK and second by N2XTT to adjourn. No objections. Meeting adjourned at 0208z.

**Submitted by,
W9OO, Carl Durnavich
3905 CEN Secretary**

Awards Listing

Jan 16 to Mar 15, 2015

40 Meter SSB 40000 Point

N2XTT 1 40 Peter B. Summers 3/1/2015

12-Month Annual Sequence

N2XTT 5 Peter B. Summers 3/1/2015

160 Meter SSB 100 Point

KA0BMX 616 160 Joseph M. Fritton 2/25/2015

K5SRG 617 160 Stephen "Skip" R. Guenter 2/27/2015

WF4H 618 160 Dwight A. Greenberg 3/11/2015

160 Meter SSB 500 Point

K9EA 31 160 Daniel F. Michnay 2/24/2015

160 Meter SSB Alphabet

K9EA 28 160 Daniel F. Michnay 2/24/2015

20 Meter CW 100 Point

W4NFT 75 20 James M. McKellips 1/28/2015

N5DY 76 20 John W. Cartinhour, Jr. 3/9/2015

NI4NN 77 20 Charles S. Jones 3/10/2015

20 Meter PSK 100 Point

N0SJ 81 20 James A. Fahy 1/28/2015

NC8N 82 20 Michael E. Newland 3/3/2015

N9EXM 83 20 Hobart M. Poyser 3/6/2015

40 Meter CW 100 Point

N5DY 221 40 John W. Cartinhour, Jr. 1/31/2015

40 Meter PSK 100 Point

K5SRG 94 40 Stephen "Skip" R. Guenter 1/31/2015

NC8N 95 40 Michael E. Newland 3/3/2015

40 Meter RTTY 100 Point

K1HIF 180 40 Michael J. Rush 2/8/2015

NI4NN 181 40 Charles S. Jones 2/18/2015

K5SRG 182 40 Stephen "Skip" R. Guenter 2/26/2015

NC8N 183 40 Michael E. Newland 3/3/2015

40 Meter SSB 100 Point

W3SCA 2880 40 George J. Nardone 1/26/2015

AK4YW 2881 40 Dean T. Hendricks 1/28/2015

N5DY 2882 40 John W. Cartinhour, Jr. 2/20/2015

KC9WWH 2883 40 Joshua B. Roskos 3/11/2015

40 Meter SSB 1000 Point

AE4NT 586 40 Benjamin I. Goldfarb 2/5/2015



40 Meter SSB 3000 Point

KC9YY 137 40 David L. Southern 2/18/2015

40 Meter SSB 18000 Point

KG8WL 6 40 Ralph A. Mitchell 2/17/2015

40 Meter SSB Clint Wise Mobile

W3BS 51 40 Bernard "Buddy" M. Spiegel 2/20/2015

W3BS 51 40 Bernard "Buddy" M. Spiegel 2/20/2015

75 Meter SSB 100 Point

KC3CSS 3067 75 Ralph J. Smith 1/16/2015

KM4AJW 3068 75 William D. Brooks III 2/4/2015

W3SCA 3069 75 George J. Nardone 2/12/2015

W7RAA 3070 75 Richard B. Ulrich 2/16/2015

KK6GAC 3071 75 Laurence Prantner 2/20/2015

KE0CFT 3072 75 Jayden J. Johnson 2/26/2015

N5DY 3073 75 John W. Cartinhour, Jr. 3/9/2015

KC9WWH 3074 75 Joshua B. Roskos 3/11/2015

75 Meter SSB 500 Point

KD8HTT 141 75 Daniel J. Crabtree 1/17/2015

KC3CSS 142 75 Ralph J. Smith 2/12/2015

75 Meter SSB Clint Wise Mobile

W3BS 31 75 Bernard "Buddy" M. Spiegel 2/20/2015

W3BS 31 75 Bernard "Buddy" M. Spiegel 2/20/2015

KD0WGB 32 75 Donald J. Hesseling 2/26/2015

75 Meter SSB Nomad

VE4HQ 168 75 Tom Blatch 2/24/2015

75 Meter SSB Numbers Racket

VE4HQ 192 75 Tom Blatch 2/24/2015

80 Meter CW 100 Point

NI4NN 162 80 Charles S. Jones 2/8/2015

N5DY 163 80 John W. Cartinhour, Jr. 3/9/2015

80 Meter PSK 100 Point

K5SRG 68 80 Stephen "Skip" R. Guenter 3/3/2015

NI4NN 69 80 Charles S. Jones 3/10/2015

80 Meter RTTY 100 Point

K5SRG 88 80 Stephen "Skip" R. Guenter 2/12/2015

Alphabet 40 and 75 Meter SSB

VE4HQ 620 75 Tom Blatch 2/24/2015



Bakers Dozen

K4CNM	2814	40	Clarence N. Meese, Jr.	1/16/2015
K4CNM	2815	40	Clarence N. Meese, Jr.	1/16/2015
K4CNM	2816	40	Clarence N. Meese, Jr.	1/16/2015
K4CNM	2817	40	Clarence N. Meese, Jr.	1/16/2015
K4CNM	2818	40	Clarence N. Meese, Jr.	1/16/2015
KC9YY	2819	40	David L. Southern	1/16/2015
KC9YY	2820	40	David L. Southern	1/16/2015
K4CNM	2821	75	Clarence N. Meese, Jr.	1/28/2015
K4CNM	2822	75	Clarence N. Meese, Jr.	1/28/2015
K1HIF	2823	40	Michael J. Rush	1/28/2015
W8LAM	2824	40	Larry A. Myers	2/28/2015

Bakers Dozen Cert of Appreciation

W5MNO	2814	40	Bluff City ARC	1/16/2015
W5MNO	2815	40	Bluff City ARC	1/16/2015
K5DUG	2816	40	Rowland Doug Thompson	1/16/2015
W0WSP	2817	40	Douglas V. Aldrich	1/16/2015
NQ0SD	2818	40	Former SD ARO Association	1/16/2015
N4ER	2819	40	EmComm Auxiliary of Mid South	1/16/2015
W3BS	2820	40	Bernard "Buddy" M. Spiegel	1/16/2015
AJ4FN	2821	75	By Invite Radio Society	1/28/2015
WU0B	2822	75	Southeast Nebraska ARC	1/28/2015
N6RSH	2823	40	Steven D. Panattoni	1/28/2015
WT0A	2824	40	Glen K. Felt	2/28/2015

Certificate Hunters 40 and 75 SSB

KJ8O	584	75	Joseph B. Miller	1/17/2015
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Crossword Puzzle

AA0HF	10		Eric J. Johnson	3/5/2015
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Double Vision

K3CD	15	75	Thomas J. Edmonds	3/10/2015
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Net Control Operators

N5MIG	184		Joseph F. St Columbia Jr.	1/16/2015
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Net Controllers Basic

K9EA	318		Daniel F. Michnay	2/6/2015
K1HIF	319		Michael J. Rush	3/5/2015

Awards Listing

Jan 16 to Mar 15, 2015

Net Controllers Cum Laude

AD5XD	29		Milton O. Withers	2/6/2015
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Net Controllers Expert

KM9U	97		Charles W. Barnett II	3/5/2015
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Net Controllers Journeyman

AA0HF	131		Eric J. Johnson	2/6/2015
KB0EL	132		Clark B. Ashworth	2/6/2015
W9ROG	133		Roger G. Callewaert, Jr.	3/5/2015

Net Controllers Magna Cum Laude

N7XG	11		Dean W. Davis	3/5/2015
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Officers 40 and 75 SSB

N0MNO	966	40	David R. Johnson	2/22/2015
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Poker Players 40 and 75 Meter SSB

WA0RKQ	168	40	Reynold D. "Mac" McGinnis	1/28/2015
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Roaming Master Tracker

K1HIF	13		Michael J. Rush	1/31/2015
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US Call Area

K5SRG	350	2	Stephen "Skip" R. Guenter	3/10/2015
K5SRG	350	6	Stephen "Skip" R. Guenter	2/13/2015
AA0HF	354	1	Eric J. Johnson	2/25/2015

WAS 40 75 and 160 SSB

K6YEK	1418	40	William G. Fuller	2/25/2015
KE0BSJ	1419	75	Charles N. Rader	2/26/2015

WAS Caps 40 and 75 SSB

AA0HF	552	75	Eric J. Johnson	1/26/2015
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WAS YL 40 and 75 SSB

K1EDG	235	75	Lloyd Ed Garrison, Jr.	1/23/2015
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Congratulations! Have Fun! Keep on Going!

I'll Never Leave Wisconsin

It's winter in Wisconsin and the gentle breezes blow,
70 miles per hour at 52 below!
Oh, how I love Wisconsin
When the snow's up to your butt;
You take a breath of winter air
And your nose is frozen shut.
Yes, the weather here is wonderful,
You may think I'm a fool.
I could never leave Wisconsin,
Cause I'm frozen to the stool.

unknown



From the Editor's desk

I welcome all comments, questions and articles you would like to share about the club or its operations. And, any ham-related articles that would be of interest to the membership at large.

This is your newsletter and through it you can share your ideas and experiences with the rest of the membership. Let's not forget our DX friends and neighbors either. All members are invited to submit articles for consideration and inclusion.

You can reach me at: kt4cbva@gmail.com

or by snail mail: **John Spillman (KT4CB)**
168 Bosley Drive Ext.
Stanley, VA 22851-4105

73 de KT4CB, John



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