



CW Is Alive, Well & Growing

Ed Note: While regulatory agencies around the world are considering elimination of Morse Code requirements for Ham Radio Operators, CW is not only alive and well on 3905CCN Nets, but growing in strength and participation weekly. Here is an article about CW Nets from Joe—W4BUR, the 40 meter CW Net Coordinator.

One of the things that's confusing to a newcomer to the CW nets is the protocol used. The CW nets operation is different than the SSB nets, so I thought I'd provide some information to help you understand what's going on when you check in for the first time.

Generally, the Net Control Station (NCS) comes on the net frequency ten or fifteen minutes prior to the published net start time.

The NCS will transmit "CQ CQ CCN CCN DE W4BUR/NCS (or whatever the NCS call is) QNI QNI K".

This is an invitation to stations to get on a 'prelist' - "QNI" is a request for net stations to check in. The NCS will assign check-in numbers as stations respond.

At the published net start time (or a couple of minutes before or after) the NCS will transmit an abbreviated preamble, similar to the following (note that "BT" is a CW abbreviation for a break between sentences):

"WELCOME TO THE 3905 CENTURY CLUB CW NET FOR WAS AND AWARDS BT ALL ARE WELCOME BT FOR MORE INFO PSE VISIT OUR WEB SITE AT WWW.3905CCN.COM BT PSE QSL VIA WM9H BT NW QND PSE QNZ (series of "V"s followed by a steady carrier) BT NW QNI DE W4BUR/NCS K".

The abbreviations may require some interpretation... "NW" means "NOW"; "QND" means that this is a directed net; "PSE" means "PLEASE"; "QNZ" means to zero beat, or make sure your frequency is the same as NCS - the "V"s and the steady carrier enable stations to fine tune their transmitters to the NCS frequency.

Following the abbreviated preamble the NCS will look for more check-ins and will continue to assign check-in numbers.

Depending on propagation the NCS may ask other stations to look for check-ins using the following CW abbreviation: "AA1NZ DE W4BUR/NCS PSE NET CALL K". At this, AA1NZ will transmit "DE AA1NZ QSP ("QSP" means "relay") QNI QNI K".

If AA1NZ gets any check-ins he will give them check-in numbers and then relay the information to the NCS.

When the NCS believes that all stations wishing to check in are on the list, s/he will transmit the following: "DE W4BUR/NCS (or whatever the NCS call is) QNC (all stations copy) QNS (following stations are on the list) BT LIST FOLLOWS BT".

The check-in list will then be transmitted by the NCS in a manner similar to the following: "NR 1 AA1NZ AA1NZ BT NH NH NR 1 AA1NZ BT BT NR 2 N1RR N1RR BT MA MA NR 2 N1RR BT BT".

The NCS will continue through the numbers until all checked in stations have been listed.

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NCS will then again ask for check-ins by transmitting "DE W4BUR/NCS QNI QNI K". Additional stations will be checked in and assigned check-in numbers.

Following this NCS will transmit "DE W4BUR/NCS QNC NR (followed by the check-in number, station call sign, and location). The NCS will then place him/herself on the list and will notify the net of his/her check-in number and location.

When the check-in list is complete the NCS will transmit "DE W4BUR/NCS LETS ROLL" (or "LETS GET STARTED", or something similar) to let the stations on the net know that it's time to begin making contacts.

The NCS will transmit "DE W4BUR/NCS NR 1 AA1NZ K" (may also add "UR TURN", although this isn't necessary - stations are expected to realize that it's time to start making contacts and that it's their turn to make a call).

A typical exchange of information goes like this: "DE AA1NZ GE ALL BT NR 2 N1RR N1RR DE AA1NZ AA1NZ UR 599 599 K". The response from N1RR will be: "AA1NZ DE N1RR TU QSL 599 599 UR ALSO 599 599 K".

Then AA1NZ will transmit: "DE AA1NZ QSL ALSO 599 TU BTN

K". What has just gone on is that AA1NZ said Good Evening (GE) to everyone on the net and then called check-in number 2, N1RR, giving him a signal report of 599.

At this, N1RR will identify and say Thank You (TU), I acknowledge the 599 signal report, and you are also 599. AA1NZ will identify, acknowledge the "also 599", say thank you, and turn it back to the NCS ("BTN" means "Back To NCS").

The NCS will transmit "CFM" (confirm) to let the net know that the contact was a good one and will call the next check-in on the list to take his/her turn.

You'll note that the signal reports exchanged in the example contained three digits. The first two digits are the same as is used on SSB, Readability and Strength. On CW, the third digit is used to let the other station know what kind of TONE is being transmitted.

A 9 is the best, indicating a perfect tone with no distortion. Ordinarily you won't hear anything except a 9 as the third digit, but occasionally someone will have a transmitter problem and should be made aware of it.

The following is from the ARRL Handbook for Radio Amateurs describing the numeric codes used for tone (the third digit in a CW signal report).

1 - Sixty-cycle ac or less, very rough and broad.

2 - Very rough ac, very harsh and broad.

3 - Rough ac tone, rectified but not filtered.

4 - Rough note, some trace of filtering.

5 - Filtered rectified ac but strongly ripple-modulated.

6 - Filtered tone, definite trace of ripple modulation.

7 - Near pure tone, trace of ripple modulation.

8 - Near perfect tone, slight trace of modulation.

9 - Perfect tone, no trace of ripple or modulation of any kind.

The above examples are just that - examples. Actual exchanges of information will vary depending on the operator and what s/he has to say or add to the signal report information.

I hope all this is helpful and will give you some encouragement to join us on the CW nets. Don't worry about making mistakes - we all do that. The last perfect man died 2000 years ago.....

CU on CW

73 de Joe W4BUR

K9TWV—John's Shiny New Car

John—K9TWV picked up a new car this last week. This is a Ford Escape and as you can see, within hours of picking up the car from the dealer, John has already installed his mobile radio and antenna.

The antenna is a K4POZ Screwdriver, mounted on the trailer hitch.

John has not finished installing his 250 watt amplifier as yet, but shortly after hooking up the radio and his



screwdriver antenna, he received a 59 report from another station in MN while sitting in his driveway.

John is the 9th Area Director, Chairman of the Board of Directors and the 40 meter SSB Early Net Coordinator.

What remains to be seen is whether this vehicle will be attached to John's motor home on future field trips.

Enjoy the car John.

AUGUST AWARDS—By NJ3V

This was a lean month (also a MacLean month):

75 Meters

100 point 2523 K1RKD
2524 W1PDI 2525 KS9SSS

500 point endorsement

KC0OCC KA5PVB

Bakers Dozen #1241 KF4HZH

Prefix Award #7 K7MFG

CW 40 Meter Net

500 point endorsement K1DWI

WAS #17 W4BUR

CW 20 Meter Net

100 point 9 K7MFG 10 AB0JH

CW 80 Meter Net

100 point
62 WQ1H 63 AK8R
64 N0OKS 65 KM4QQ

RTTY 40 Meter Net

100 point 77 AK8R

Masters Degree #14 AK8R

40 Meters

100 point 2278 VE4ABU
2279 KF4HZH 2280 KC0NLQ
2281 KB1CLC 2282 W1PDI
2283 KB0HAZ

8,000 point #22 K7MFG

Alphabet #376 WC0PD

Bakers Dozen #1240 N2XTT

Bakers Mobile #149 WA2JIM

Bakers Mobile Endorsements

K0MRC AB8MW K5DUG

Call Area - 5,7,8,10 endorse K9AWR

Certificate Hunter 200 end K9AWR

160 Meter Net

100 point
#337 KM4QQ 338 AG4PP

PSK 80 Meter Net

100 point #21 AG4PP

NCS Award

Wayne KN6DQ Mike W6THW

Call Sign Changes

From	To
AC0L	N0UF
AD5ED	WA5V
K9JHG	AJ9J
KA1UC	K1CJK
KA5DJH	KX4XX
KB0NRD	AB0VB
KB1EXS	W1MCP
KB2ZQ	WD2WD
KB7DGZ	W7CAR
KC0JB	WO5I
KC2ELG	N2WX
KC2TR	KC2US
KC7UDR	KB3JAI
KC8MGC	NC8CC
KC8TKZ	KJ8G
KE0KB	K0TLG
KE3ZZ	KE3T
KE4LN	N4JO
KE6ZWY	AE6EG
KF4RA	KC5CZ
KE5UK	KE4TC

N5LXI—Field Day and KG4NBL Truck Visit

Ed Note: Joel—N5LXI send in the picture shown in the next column.

Photo of Joel in the KG4NBL mobile was taken June, 2003 at Hamcom in Arlington, Texas.

Notice the left foot is not on the clutch!

Joe calls it the big orange motor home. You can't believe all the gear and antennas Gene has in the cab! Very impressive.

We sure appreciate all the great contacts from Gene and the other professional drivers on the road. They make the nets much more fun.



Shown below is a photo of Joel during Field Day this last June.



Joel is the regular NCS on Monday nights for 40M Late SSB Net and Fridays for the 75M Late SSB Net.

In Our Younger Days (More or Less)

While digging through the archives I found some pictures from the 1999 Eyeball and a couple other old ones.

It would appear that most all of us have aged gracefully, some perhaps more so than others. But, all still recognizable.

To begin with, Earl—WBML looks about the same today as he did in 1999.



Below, center is Gladys—WB2RWT



Center is AB6TX—Wendell, our first Master and to the right is Jim—KL7IYD

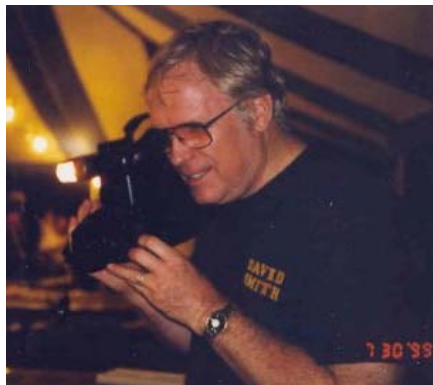


Not sure who has their back to the camera here.

Below is KFØPA (now known as Lon—KØWJ) to the left and AAØPA on the right.



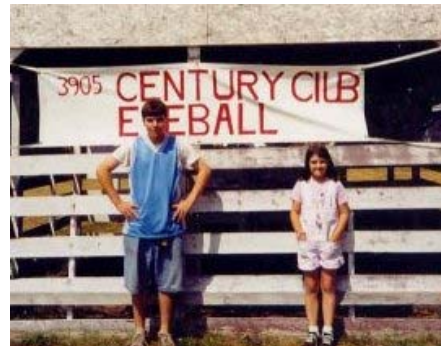
Below, Dave—WQ1H at '99 Eyeball



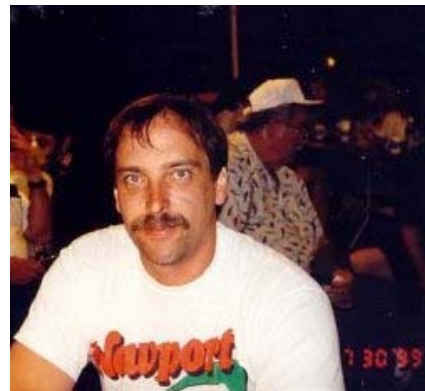
Below, Charlie—NC8U and family



Below, a much younger WM4SG from 1981, actually NØANQ at the time.



Above, Brett & Brittany, Harmonics of WA1VQY at the 1999 Eyeball.



Above is Ron—KE3OK at the time, now W3QZ—Master # 5 at the '99 Eyeball.



To the left is C1ay—WA2JIM, the 2002 Eyeball host and the 2nd Area Awards Manager. This is also from the '99 Eyeball.

Note: If you have any pictures from your younger days that you would like to share with the readership, send them on in either hardcopy or jpeg formats.

WCØPD Visiting KØHNM

Recently Dean—WCØPD was in the neighborhood and stopped by for coffee and a visit with Larry—KØHNM and his family at their home in Illinois.



Above: Dean's truck with the Hustler antenna on the front left.

Dean operates across many states and has actually done NCS duty from the truck.

Dean is also the Coordinator for the 20 meter SSB casual net heard a couple times each week.

He was also selected as the Outstanding NCS Operator for

40 meters for 2003 and received that award at the 2003 Eyeball in Missouri.



Above: On the left WCØPD—Dean having coffee with Lona (KØHNM XYL) on the right with granddaughter Megan in the center.

Below: Dean's setup with rig, amplifier, SWR meter and True-Voice filter sitting on the passenger seat in a nice and very convenient arrangement for operation. No wonder Dean always sounds so good.



Above: Larry—KØHNM sitting in Dean's truck, probably thinking about the adventures of the open road.

Below: Larry—KØHNM standing in front of Dean's truck. Clearly Dean keeps the truck clean and sharp looking, inside and out.



Thanks to Larry—KØHNM for the pictures.

KI5RN—Silent Key

As reported by Jim—KD3O, our Club Historian.

It is with deep regret that we announce the following Silent Key of the 3905 Century Club, Inc. who became such on July 21, 2003.

KI5RN - Glen A. Van Rheeden
Mountain Home, AR 72653



Glenn—KI5RN

Glen was Club President in 1996, a past Area Awards Manager and held the Master Degree #4 in the Club.

We send our condolences to his family.

This is the first Master Degree holder we are aware of that has become a Silent Key.

Confirmed via phone conversation with Glen's wife on 10/13/03.

THE IRS CAN BE NCS' BEST FRIEND by Richard W5IL

No, it's not tax time – its your **"Ideal Relay Station"** – the station that digs you out of a jam when the QRM is tough, the stations are weak, and your not getting out into that far off part of the country.

That's when your IRS comes through.

What qualities make the IRS your best friend? What are the traits that you look for?? What distinguishes him/her from the other stations whom only think they are helping you? Here is a small list – you can add your own.

Your IRS is WISE – he/she knows without your telling

which areas of the country are faint for you and strong for him. Your IRS is QUIET – when you ask for relays, he/she gives only his call and waits for you to call him; he stops talking as soon as he has done his job.

Your IRS is STRONG – his/her signal can be heard into the areas that you need.

Your IRS is MODEST – he/she doesn't try to take over the NET or do the things that you, as NCS, are supposed to be doing. He doesn't project into areas that the NCS can reach.

Your IRS is GENEROUS – he/she helps you without needing any thanks.

Your IRS is BRIEF – he/she doesn't inject any extraneous commentary, talk excessively or discuss items not conducive to net rhythm or conduct.

Your IRS SHARES – he/she allows other IRS's to help NET Control

Your IRS is FLEXIBLE – he/she realizes that different NCS have different styles and he adapts his relays to the rhythm.

Your IRS is LEGAL – he/she ID's his station at least once during the time that he is on the air, or once every ten minutes.

73 Richard—W5IL

Installing Connectors on Coax by Gene—WM9H

A friend of mine here is Wisconsin showed me a very easy and good way to connect/solder connectors to coax cable. The pictures I have are used with a piece of 8213.

First, strip off about 1 1/2 inches off the black jacket as shown below.



2nd. Measure up 5/8 of an inch from the edge of the black jacket and "tin" about a 1/2 inch all around the shield with that 5/8 measured line in the center, as shown in the picture below.



3rd. Take a standard tube cutter, and with a circular motion, slowly cut around the tinned area of the coax. note: don't go too far or you will cut the center of the connector (picture below).



4th. Remove the cutter and twist off the cut piece. If you did it right, you will have a clean, and already tinned shield piece of coax ready to solder to the connector. (see next picture).



I've been using this procedure for years and never had any problems.

Once side note. If your not too good with doing this, be careful with 9913. Its takes a little more practice to master it but not impossible.

The friend who showed me how to do this is Ray W9WH. We use to have fun on HF working dx together W9WH and WM9H. Total confusion at times.

73—Gene WM9H

A REALLY "HOT" ANTENNA FOR 160 By Joe—W4BUR

In the early 70s I was living in the Denver suburb of Thornton, Colorado, in a house on a small lot.

I had a Johnson Viking II with the outboard VFO, a Collins R-388 (a.k.a. 51J3) receiver, and a surplus roller inductor tuner from a BC-610 transmitter.

I wanted to give 160 meters a try, but living on a little corner lot with electrical and telephone wires across the side and back of the yard didn't give me much space for antenna wires.

If you were licensed during this time period you'll recall how the repeater boom was sweeping the nation. Hand-held VHF radios were all the rage, and if you showed up at a group gathering without some kind of H-T you just weren't 'with it'. Most of these radios had a 'rubber duck' flexible antenna - basically a widely spaced coil of wire with rubber covering.

I thought that if such an antenna would work on two me-

ters then maybe it would also work on 160 meters. It just needed to be bigger. A lot bigger.....

I calculated the length of a quarter wave antenna for 160 meters and decided that if I used a sixteen-foot piece of 2x4 lumber I could wrap the wire onto it.

It meant roughly 130 turns of wire on a sixteen foot long form, and the spacing would be a bit close, but it was worth a try.

I erected my "masterpiece" alongside the house with the bottom near the outside cold-water spigot. A bracket part way up secured the assembly to the rain gutter. Some coax, with the center conductor tied to the base of the antenna and the braid to the water spigot, connected it to the roller inductor tuner.

It worked! The tuner brought the SWR at the transmitter down nicely and I was on the air on 160 meters.

Over the next six months I checked in to a local 160 meter net regularly and made contacts with people on both coasts, and a lot of places in between, with good signal reports.

Most of the time I worked CW, but the Viking II was also capable of AM and I did a bit of that as well.

Then one night while I was transmitting I saw the SWR suddenly go haywire.

I went outside to see what had happened and found that my antenna was ON FIRE!

The RF had arced from the wire to the rain gutter and ignited the lumber.

Luckily the garden hose was right there and I quickly extinguished the blaze with no harm done to the house, but the antenna was history.

You might say that it had been a really hot 160 meter antenna.....

The QSL Route for NA9TC Club Call—W5IL

The North American Truckers Club, NA9TC replies to QSLs for contacts on the Century Club Nets 100% via the Century Club Bureaus.

If you send me cards and an SASE direct, I will send both the reply card and the SASE to the appropriate buro.

If you are not good in the buro and you want cards from NA9TC - please send your enve-

lopes to the buro at the same time you send in your cards.

The 75m buro sends me mail about every ten days and the cards for NA9TC are turned around and on their way back to Gene in 48 hours.

The 40m buro sends me a large package (200+ cards) about every 60 to 90 days; the cards for NA9TC are turned around and sent back to Wil in 4 days.

The only exception to this policy is if the card is the last one needed for a Century Club Award. In that case please include a note saying "This is the last card that I need for the ***** award." Then I will turn the card around in 24 hours.

73's Richard, W5IL
rsmale@swcp.com
QSL Manager for NA9TC

A Shack Remodeled—WM9H

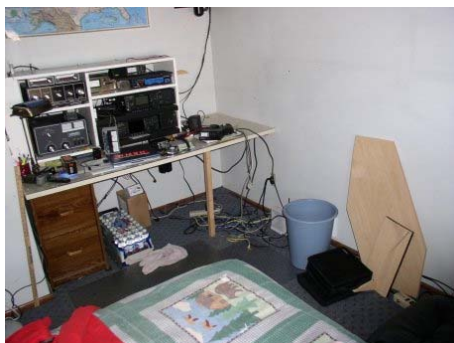
Gene—WM9H, the Manager of one of the club QSL Bureaus, just completed remodeling his shack at home.

Here are pictures of the project and the captions describe the various stages.

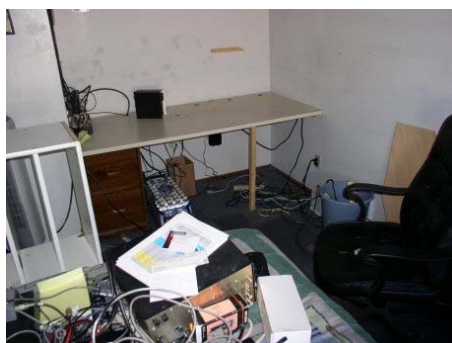


Above is the shack as it appeared before the project started—one desk for radios and one for the computer.

Below the breakdown commences with dismantling the desks and moving out the equipment.



Above is the newly constructed shelf unit for the new operating desk.



Above, the old operating location is about stripped out and the base desktop is in place and ready for the shelf units.

As we all know, during remodeling projects you have to find a place to store the stuff that is being temporarily relocated.

Since Gene's shack is in the "guest" room, he had a handy place for storage.

Below is everything removed from the old operating desks, waiting for the new station arrangement.



Below, almost finished.



Finished and ready to operate.



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turion, sent by email, is \$6.00 per year for five issues. The traditional hardcopy version is \$13.00 for one year.

Select the optional subscription which includes the T-Shirt and your subscription will be processed and you will receive one of the 2003 Eyeball T-Shirts in the mail.

If supplies run out, you will receive a refund of the \$4.99.

More Pictures from Eyeball 2003—Courtesy of KØHNM

Here are more pictures from the Eyeball held in Missouri this last summer.



Above: Al—K5HKG from Louisiana.

Below: Rusty—WK5R from Texas



Below: Dean—WCØPD and XYL—Linda



Below—Ron W3QZ, 3rd Area Awards Manager and Master Degree holder.



Above: Elise—Sub-Harmonic of WM4SG and Bill—WM4SG

Below: Lon—KØWJ, Eyeball Host



Above: Charlie—W3KMA, Kansas

Below: Glen—WØGL, Nebraska



Below: NØUF, Bob with his Vibroplex collection.



September Awards by NJ3V

75 Meters

100 point #2526 AD6AB
2527 W6ZG 2528 AB8PK

500 point endorsement K9AWR

Alphabet #377 N9KNJ

Certificate Hunter
#356 WB5FDP

Call Area 9 endorsement K9AWR

RTTY 20 Meter Net

100 point #38 AA3FC

PSK 80 Meters

100 point #22 WM4SG

Journeyman NCS Award
Herb WK9O

Expert NCS Award

John NE1CU
Dean KL7OR
Herb WK9O

40 Meters

100 point #2284 W6ZG
2285 W7FBT
2286 K6TNR

1,000 point #448 KB9TQI

3,000 point #100 AD6AB

5,000 point #53 AA6HB

7,000 point #27 KK2M

8,000 point #23 KK2M

Bakers Dozen #1243
WA5YNE

Bakers Mobile endorsement
W6BUM

Officers #702 WA5YNE

WAS Capitals #476
AD6ZJ

WA Nets #19 AD6ZJ

WAS Same Station Mobile #13
N9KNJ

160 Meter Net

Bakers Dozen #1242
WB5FDP

Bakers Mobile Endorsement
KG4NBL

NCS Award
Jim KG7Q

Humor Of Sorts

Message

Dear Abby,

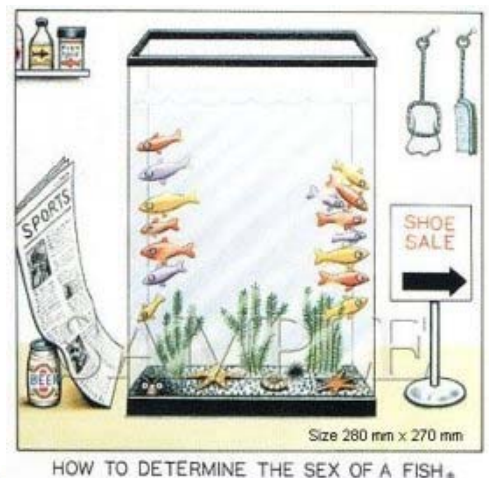
I recently read your column advising grandparents on "tough love" for grandparents to give misbehaving grandchildren, whose own parents let them run wild.

I have followed your advice, and

enclose a picture demonstrating my technique when my grandson just won't behave while I'm baby-sitting for his parents.

They have told me not to spank him, so I just take him for a ride, and he usually calms down afterward.

Sign me,
Tough Love Grandma



Eyeball 2003 Photos Continued

More pictures from Eyeball 2003



Above: Dave—N9CUL, Indiana

Below: Steve—KD8QQ, Master from Michigan.



Below: Bob—KA9JAC, Michigan



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Above: Dave—WQ1H, 1st Area Director

Below: Gordon—K7MFG, Master and past 7th Area Director, Utah



Below: Rodney—ABØJH, Missouri and 40M RTTY Net Coordinator



Below: From left, Morris—KB4IT from Georgia; David—N5USH; and Erin—N5USI (XYL of N5USH).



Below: Jerry—KC5BFK and XYL Sophia—KC5VAY



Above, from the right, is Lon—KØWJ, his Mother and his brother and family, all who helped Lon put on one of the best Eyeballs in history.

It was genuinely a great time and now it is time to prepare for Eyeball 2004.

2003 Eyeball Mobile Antenna Shoot-Out—AA1NZ

Second Annual 3905 Century Club Mobile Antenna Shoot Out Kansas City, MO 2 AUG 2003

This year's event in Kansas City was very exciting. We had 20 participants, and many more interested spectators. The assortment of systems exceeded last years numbers, and a great time was had by all.

Our test set up used the same Rxer as last year, but the data collection part of the system was improved and included colorful meter displays on a laptop screen for all to view. As a backup, Steve (WK5S) had also constructed a loop rxer and ran parallel results to the official rxer / recording setup. Steve's system was measuring raw AC RF voltage where the official rxer was measuring DC which had been converted inside the rxer box.

Our test xmtr setup was similar to last year. We used an IC706 mounted on a pallet with a cigar lighter plug attached. The end of the coax in the vehicle under test was connected to one side of an antenna switch. The other side of the antenna switch was connected to a dummy load. The xmtr was keyed and set to 50 watts out into the dummy load and verified by a Bird 43. The ant switch was then turned to select the system under test, and the xmtr keyed again. At this time, readings were taken at the receiving end of the range.

More than one reading was taken to insure repeatability at this time. Contestants were allowed to reposition their vehicles and retain the highest reading as their score.

Our antenna range was not as desirable as last year, but certainly the set up where a vehicle could

drive up to the line, test, then turn and exit via the circular drive was much more time efficient.

The recorded voltages have stymied the experts !! We have no explanation as to why the "suspected superior" antennas were trounced so soundly. We neither have an explanation as to why recorded voltages continued to decline as the event progressed or why re-tests on a couple of previously tested systems came in with such lower results than on their initial run.

It's my take that committing the "cardinal sin" of having obstructions (trees, other objects) within the immediate test range area corrupted the recordings. Possibly the soaking rain the day before drying up in the midday sun --- Gravel road/wet trees/wet ground in Rxer path ?? Only the Shadow knows...

However, one must keep in mind that these same obstructions were there and equal for everyone. Hopefully, future eyeball coordinators will consider including space for the developing annual antenna shootout when evaluating potential eyeball locations.

I would like to recognize and thank: WQ1H KM8U WK5S KS9WI AC6LU KA9JAC and AAØZP for all their help and support in conducting the shootout.

A big thank you to Harlan, KM8U for helping me pick up after everyone else had left the range.

Thanks to Lon for a fine job and all the CCN members who supported us.

73, Tom AA1NZ
SEE YOU NEXT YEAR !!!

2003 OFFICIAL RESULTS Callsign-Antenna-Vehicle-Mount Recorded Voltage (mV)

WQ1H Hustler mid size car rear trunk—126

KM8U Hustler SUV roof rack—120

K0WJ Predator SUV rear bumper—99

WK5S BugCatcher Large pickup rear bumper—91

K9TWV Screwdriver f/s jeep side bumper—84

NØPUI Hustler f/s car rear side—68

KA9JAC Hustler mid size car center rear—66

KS9WI Tar Heel f/s pickup rear bumper—65

K7NZ Large Screwdriver Large pickup rear center—62

KØHNM Small screwdriver mid size car rear bumper—58

AK8R Screwdriver f/s pickup rear center—44

KØMRC BugCatcher 18 wheeler drivers mirror—42

AC6LU Hamstick minivan top rear—37

AA1NZ Hi-Q f/s pickup rear center—31

NT4Z Hamstick f/s size car rear bumper—26

KBØOKS BugCatcher 18 wheeler drivers mirror—23

KE3NR Outbacker compact car rear trunk—20

AAØZP Hamstick minivan rear top—17

WK5R BugCatcher mid size p/u rear center—13

Photos from the 2003 Mobile Antenna Shootout



Left: Predator antenna on vehicle of Lon—KØWJ, with Ray—AC6LU looking in the back.

To the right, Tom—AA1NZ getting the equipment ready for testing during the 2nd Annual Mobile Shoot-Out at the 2003 Eyeball.



From left, Tom—AA1NZ; Ray—AC6LU & Steve—WK5S taking readings.



On the right, Lon—KØWJ monitoring test results on a laptop computer.



Details on the Shoot Out can be found on page 12.

Recent Changes To Net Procedures

During recent meetings of the Board of Directors, several adjustments or changes have been made to Net procedures. A summary of those changes follow below.

Master's Club Calls—If a Master Degree holder also has a club station with him during checkin, the club station will be checked in with the call area where the club is located, rather than with the Master.

Bonus Calls—Bonus calls have been cut back and now only one bonus call for the NCS per round is allowed. No bonus calls for any other reason are permitted except as may be part of a Special Event night activity.

Original Charter Signers—A practice that was used during our anniversary year has been reinstated. Immediately following a call for Masters during checkin, a

call will be put out for any Original Charter Signers, prior to DX checkins. This is a way the club can recognize the contributions of the Charter Signers in the beginning of our club.

Passes—The practice of picking up passes following the first round only has been reinstated. The pass must be a true pass and will not be allowed if an attempt at a call resulted in no contact.

Personalized Logbooks by Page—WA3EOP

3905CCN members can order them for \$4.50 each. Page can ship 2 at book-rate for \$3 or if priority mail is requested the shipping cost is \$4.

Visit the Club web site and click on the link to Personalized Log Books towards the bottom of the main page.



3905CCN Club Gear and Accessories from Ham Radio Works

For shirts, jackets, caps, coffee mugs and other 3905CCN club gear, visit www.HamRadioWorks.com

—or—

you can get there by visiting the club web site and clicking on the link towards the bottom of the page for Century Club T-Shirts, Etc.



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WELCOME TO THE 3905 CENTURY CLUB!

THE 3.905 CENTURY CLUB

The CENTURION

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Amateur Radio's Premier WAS Net

We're On The Web
www.3905ccn.com

The 3905 Century Club, Inc. is an international Amateur Radio Club incorporated in the State of Florida since February 1977.

Its purpose is to assist hams both foreign and domestic in obtaining Worked All States awards. It operates nets on SSB, CW, RTTY and PSK-31 modes on 20, 40, 75, 80, and 160 meters. In addition the club offers many fine certificates for contacts made on its nets.

For more information on the club nets and its operations send a business size S.A.S.E. to the club information Officer, KB3PU, Jim (good in all callbooks for several years) or any answers you need may be available on the club's web site—www.3905ccn.com

The Upcoming 2004 Elections

It is almost time for our 2004 Club elections to get underway.

This year we will be electing new Area Directors for the even numbered call areas—2,4,6,8 and 10. In addition we will also be electing a President and Vice President.

The election cycles will also be changing for the President and Vice President this year.

Beginning with this election, Presidents will be elected for a two year term.

Beginning in 2005, the next election year, the Vice President will also be elected for a two year term.

Thereafter the President will be elected in even numbered years and the Vice President in odd

numbered years.

This is as a result of a change made by the Board of Directors at their October meeting.

Nominations for office will open on November 1st and in order to be a candidate for Area Director in an even numbered call area, one must have a 100 point certificate on any club net and then announce on any club net that they are a candidate for the office.

To be a candidate for either President or Vice President, a member must be nominated by their Area Director during a meeting of the Board.

Balloting for the elections for Area Directors is only by mail, either Email or US Mail.

The election monitor for the Area Director elections is WM4SG.

Balloting for President and Vice President can also be done by mail, either Email or US Mail.

Or you may cast ballots for those two offices during our annual on-air election on January 30th, 2004.

Mail ballots for President and Vice President may be sent to the Election Monitor for the Presidential election and that is WØMYZ.

All mail ballots must be received no later than January 15th, 2004 in order to be counted.

All election results will be announced following the close of the on-air elections on January 30th.