



# The Centurion



## The 3905 Century Club Monthly Newsletter

### In this issue:

- Welcome
- Dean's Notes
- Ben's Column
- KL7OR Logbook
- What Was That?
- KU1V Out West
- Updated Buro Graphic
- Blast from the Past
- Eyeball Road Trips
- Net Statistics
- Classifieds
- The End
- PS: KL7JR Reprint

### Welcome!

Hello and welcome to the August, 2023 issue of the 3905 Century Club Centurion Newsletter. Dean continues describing the Century Club Logger and the new features he has added. Another installment on Mike's, KU1V 2023 National Park trip out west. Great photos Mike! The winner of the "What's This" photo is revealed in this issue. And Buddy W3BS shares a "Blast from the Past". For those that missed it, a reprint of a QST article featuring our own intrepid adventurer, KL7JR is included after "The End" section.

We are always looking for article ideas and contributions. As [Kirk AA1NA](#) would say—"The Centurion would not be the same without your articles"!

Please send articles or suggestion for articles to:

[k7qhu@outlook.com](mailto:k7qhu@outlook.com).



## What are you waiting for?

**Make plans now to attend the 2023 Eyeball,  
Prince William Forest Park in Triangle Virginia,  
September 7 - 10 2023!  
Don't Delay—Register Now!**

# Dean's Column

## Notes from the President

By Dean Davis, N7XG



**T**his month my column is written by our very own Vice President, **Kirk Frazier, AA1NA** who has become an expert with hosting Eyeball events.



The Eyeball QRP Nets are the great idea of Jay Weiland, N0PUI and have their origin at the 2005 Eyeball in Georgia. The concept came about so that operators could contact each other on location outside the regular 3905 Century Club nets. By doing this, those operators at the Eyeball were freed up to contact folks on the regular nets who could not attend the Eyeball.

The Eyeball QRP Nets are a fun event at 3905 Century Club Eyeballs. They are modified rodeo nets conducted on three or more radios. These are easily accessible to Eyeball participants and the QSOs made are genuine radio to radio contacts. There is an NCS station as well as a station for each participant to call the other participants at another station.

Like any outstanding idea, the scope grew. The QRP Nets grew to include SSB, CW, RTTY, and PSK on 20M, 40M, 75M and 80M. Many operators will check in portable on one round, move to their (or a friend's) mobile in the parking lot to work mobile in another state.

Eyeball QRP Nets can be difficult to pull off. SSB setups can be easy, however providing CW and digital opportunities are a challenge. These require setting up a radio connected laptop with modem capabilities such as FLDIGI. As we all know, these can be very tedious, all the settings have to be juuuust right.

If you needed any encouragement to come to a 3905 Century Club Eyeball, the QRP nets are high on the list! Besides the chance to make rare contacts, working through these nets requires teamwork and a sprit of comradery which we all enjoy on regular CCN nets, only face to face. Entertainment at its finest!

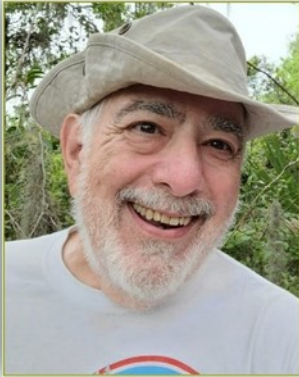
73,

Dean

# BEN'S COLUMN

## Notes from the Awards Secretary

BY [Ben Goldfarb](#), AE4NT



**H**ello, 3905ers! The Eyeball is nigh! I did not get the message that there would be a special Eyeball edition of *The Centurion* in time to write anything for it, so I am here to rectumfy that omission in the regular August issue. Without further ado, the subject of this month's column is: Why YOU Should Attend the Eyeball.

This year's Eyeball, hosted by Katie, K4TER, will be held at Prince William Forest Park in Triangle, Virginia, from September 7 to 10, 2023. See the [3905 Century Club website](#) for details.

### Why Should You Attend the Eyeball?

If you have not yet attended a 3905 Century Club Eyeball confab, you are missing a great amount of fun and friendship, which transcends a mere collection of events. Each Eyeball has its own unique flavor, providing a whole that is greater than the sum of its parts. While this introduction to our signature annual event is mainly directed at you who are new to the club and to the Eyeball, I have sprinkled in a few memories from prior Eyeballs for the rest of you.

If you are a veteran of several Eyeballs, you surely can identify with my introduction to the event. Each host imparts a unique spin onto his or her Eyeball, and each year's venue provides amenities and ambience that sets it apart from all others. Yet despite having many fun activities and sightseeing prospects, it is the camaraderie with old and new friends that makes each Eyeball rock! You veterans know that there is no such thing as a bad Eyeball!

Compared with some of you, I am an Eyeball newbie, having attended only seven of them during my ten years of membership in the club. However, I make every effort to attend each year. The two years I missed since 2013 were 2020, when the event was cancelled in the pandemic frenzy, and 2022, because of an unfortunately timed bout with diverticulitis. I have had great fun at every Eyeball I attended, and I can honestly say that I look forward to the experience each year!

I will walk you through a typical Eyeball from an attendee's perspective. Read on as we attend the event together.

### The Fun Begins...

Even prior to arrival, the fun begins. Most of us travel to the Eyeball venues in motor vehicles, and many of us have mobile ham rigs. This is a great opportunity for us to join the 3905 Century Club nets from new locations to provide new contacts for award seekers.

Some will bring clubs and special events to enable even more contacts. Some will operate on state lines and a few will find “Tri-Points”. Some might have enabled APRS, so their progress toward the Eyeball can be tracked.

I drive from Central Florida to the Eyeball venue, stopping over for one or two nights at hotels along the way, depending on the distance to the ultimate destination. On the road, after dining with the XYL unit, I typically check into nets from hotel parking lots. They are generally safer for a lone old fart in strange areas than pulling off the road on some dark highway, but I have been known to do that, too, if conditions warrant. I typically work the early nets on the road to promote domestic tranquility, as we tend to get started early in the morning.

## Eyeball Arrival Day

Some of us arrive as early as Wednesday. After we hit town and get settled into our chosen living quarters, we visit the event venue to see who else has arrived. Sometimes, the host has laid out badges for those who have registered, so we can pick up our badges and welcome package, as well as scanning the others to see who will be arriving later. The welcome bag typically includes a supply of QSL cards specifically printed for the Eyeball, along with a badge holder, perhaps an Eyeball pin, some 3905 Century Club signature items, and some items representing the Eyeball location.

We look around the room and spot several fellow early arrivers and schmooze with them about their trip, their health, their family, how well their favored baseball team is doing, and so forth. We find some new people who we have contacted on the nets but have not yet met, and we bring them into the conversation. XYLs get together and renew their friendships or establish new ones. Perhaps we will decide to find a spot to have dinner and continue the chat. Then, we can talk about the fun activities ahead, describe purchases of fancy new equipment and improvements to our rigs, share war stories from past Eyeballs, and complain about propagation.

## Eyeball Thursday

On Thursday, more participants are arriving in earnest, and antenna setup is the order of the day. We show up at the main venue to find coffee and friends. Volunteers are materializing to string up antennas on Thursday, although many find it hard to break away from rag-chewing in the meeting room.

On one such past occasion, at the Upperco, Maryland Eyeball, in 2017, hosted by [Bill, N3WD](#), then-president [Dwight, WF4H](#), who despite having been hospitalized with a heart issue not long beforehand, was outside performing heavy labor, setting up an antenna mast with [Larry, K0HNM](#). The rest of us were happily conversing in the meeting room when the buzz of our collective chit-chatting was suddenly silenced by a piercing admonition from Dwight’s diminutive wife Beth: “Get up and help Dwight and Larry! You guys didn’t just have a heart attack! Now, get out there!” We all dutifully snapped to attention and bolted outside on the double. Dwight fondly recounts this story even now whenever Eyeball antenna setup is mentioned.





Once the antennas are set up, volunteers play with the on-site radios to get them ready for the evening nets. With the station set up, the regular 3905 Century Club nets are typically run from the Eyeball location.

The remainder of Thursday is for impromptu gatherings with Club friends, although some hosts schedule a presentation for anyone interested on Thursday afternoon. Some of us go out to explore the area. There is always something to do at an Eyeball!

Jenny and I like to find a good restaurant or two in each Eyeball location. Eating is one of our other hobbies. This year, the NoVa area should provide some amazing dining opportunities. However, for those dining “in”, Thursday’s dinner will be provided by our host, as will Friday’s and Saturday’s. Thanks, Katie!

Every night, groups of Eyeball attendees roam around to find interesting operating locations: state lines, Tri-Points, and national parks. Each area provides many mobile operating opportunities!

## Friday of Eyeball Week

The big event for the day is the QRP nets. We run low-powered nets during the morning and afternoon from the event venue. Those who bring mobile rigs can station themselves in parking areas around the event venue and crank their power down to five or fewer watts, while operators do the same at the event station. Those who have no mobile rigs are not left out of the fun, as a shared station is provided so they can work portable. Alternatively, they can team up with a friend in his mobile station.

There is usually a signup sheet for QRP net participants – one for each net. Sometimes, a volunteer will set up NetLogger, so contacts can be recorded on-line. The nets are run “rodeo style”, which means that the NCS will give each station on the list a turn to call everyone else on the list he or she has not already contacted. By the end of the round, everybody will have contacted all other stations.

I operate mobile, either solo or with a member who has no mobile rig. I try to find a parking spot away from the main venue and away from other QRP net participants to minimize phase noise and receiver front-end overloading. Once set up, I sit there happily making contacts.

Those of us who participate in the QRP nets are rewarded with a stockpile of contacts for the Eyeball's location for use in applying for future awards. When I look at my QSL card file, the states where Eyeballs have been held are significantly swollen. Thus, I am never found lacking for contacts from to and states in which I have attended Eyeballs!

Other events sometimes happen on Friday, notably BINGO games. These are not just for the XYLS – anyone can participate. They provide some alternative group activities while many of us are doing “ham stuff” or working on our volunteer duties. At the 2021 Eyeball, masterfully executed by [Kirk, AA1NA](#), my XYL Jenny returned a bit tipsy, but laden with prizes, from the BINGO game in Louisville, Mississippi. Kirk thought of everything, including wine!

## Big Saturday, the Centerpiece

We arrive at the main facility on Saturday morning and immediately notice the raffle table, where items are laid out on display to be raffled off later in the day. Many of these items will come from participants, who are encouraged to bring something representative of their home state. Some will be gag gifts. Anyone who attended the 2014 DePere, Wisconsin Eyeball, hosted by [Keith, KS9WI](#), and [Elaine, N9QZF](#), will surely remember the toilet presented in honor of road warrior [Jay, W9JAY](#), and the plaque-mounted buffalo turd presented to [Club Secretary Carl, W9OO](#) for his “ability to step in it”. Browsing the raffle table with a cup of coffee in hand is an enjoyable early morning activity to get a very busy day started.



## Mobile Antenna Shootout

The Mobile Antenna Shootout is the signature Saturday morning event. Typically, the subevent is displaced from the main location, so we must allow for travel time. Dwight, WF4H, and I run the event, which this year will be held at the Stafford Regional Airport, in Fredericksburg, Virginia. Dwight and I will arrive at the shootout location, along with any volunteers we have recruited to manage the event, at 8 AM. The contestants should arrive by 9 AM. We line up cars and record their signal strengths under controlled conditions. The winner gets to wear the “TOP GUN” hat, and there are prizes for second, third, and last place finishers. The results are announced later in the day at the award presentation.

After the shootout, we return to the Eyeball venue where most of us have lunch while others of us work on finalizing things that will happen later in the day. You might be amused by a gag or two at the behest of [Donnie, KG4ZOD](#), some of which have spiced up many a prior Eyeball. I was hoping for a dunk tank where President Dean, KL7OR and [Vice President Kirk, AA1NA](#) would spur the purchase of many tickets for a chance at hitting the target, but I am told that we are not insured for the potential consequences.



## Group Photo

At some point after we are all fed, we assemble for the annual group photos. This timing is chosen because we believe most attendees will be present. However, sometimes, things go awry, as they did in 2018, at the Edmond, Oklahoma Eyeball hosted by [Clay, WA6LBU](#). [Marty, AG5T](#), who had brought his son, was busy with other things when the picture was being set up. Alas, he was left out of the group picture. What to do? Assemble the group again? They were already headed in separate directions, so that wouldn't work. So, event photographer [Larry, K0HNM](#), came up with the idea of taking a separate picture of Marty in the group photo location and Photoshopping him into the original photo.

(Note that the photo below, which includes Marty, was taken at the Branson, Missouri Eyeball hosted in 2016 by [Charles, AC0HF](#). If I hadn't posted this note, someone would have certainly commented that it was not the 2018 photo!).



The group photo shoot always includes a separate photo of “The Masters.” These are our members who have persevered during good propagation and bad through the years to achieve our pinnacle award, The Master’s Degree. They deserve a special photo and a special place in the club.

## Board Meeting and General Membership Meeting

The bigshots get together in front of the assembled members to conduct their business for the month in lieu of their usual scheduled meeting. This is typically a perfunctory meeting that avoids long-winded, controversial topics so as not to detract from the “funner” activities that follow. Only board members may participate, but members will get their chance to add their two cents forthwith. Having served my time at the board table, I can now sit back and watch.

Once the board meeting is adjourned, the meeting morphs into the general membership meeting, where members can share their ideas, suggestions, and grievances with the board members present. Please feel free to speak up. This is a great opportunity to communicate directly with club leadership. You will speak and they will listen.

## Annual Award Presentations

The Club President, if present, will take center stage for the presentation of awards to worthy members who have made significant volunteer contributions during the year. If he is not present, another officer, typically the Awards Secretary, will be there to hand out the awards. We keep the names of the major annual presidential appreciation awards secret until they are presented, to heighten the suspense and the drama.

I recall the 2021 Eyeball when I filled in for Dean, who had broken his leg. We typically save the biggest award, the [KD3FM Annual Service Award](#), until the end. The Eyeball host, Kirk, would be the recipient of the award that year, but he wasn't expecting it because he had been recognized with five or six other major awards. In his role as Eyeball Host, Kirk was standing off to the side of the stage as I was presenting awards. Having finished with all the awards but the [KD3FM](#) I was ready to surprise Kirk. After a suitable introduction to build some more suspense, I announced that Kirk was the winner. He was flabbergasted, but he should have known that nobody deserved it more than he did – by a longshot!

Once the awards have been presented, it is time to announce the results of the Mobile Shootout. Dwight and I will announce the winners and will present rewards for the three top finishers and the “[Pop Gun](#)” – the mobile station with the lowest measured signal, the electromagnetic equivalent of prostate trouble.

## The Banquet

With everyone assembled for Awards, photos, and the raffle, we can get everyone together to dine as a group. Sometimes, the banquet is before, after, or during the award presentation, as scheduled by the Eyeball host. The food varies from Eyeball to Eyeball, but breaking bread together on Saturday evening is always a high point.

## The Raffle

After the awards, the raffle provides a nice change of pace. Each host handles it differently. (Who among those who attended the 2021 Eyeball, hosted by [Kirk](#), [AA1NA](#) can



ever forget the “hostesses”?) Sometimes, vendors provide major equipment for a grand prize, but that is not what it is all about. The raffle is fun for all and provides auxiliary funding for the Eyeball hosts, who are usually out of pocket for big bucks.

Saturday night concludes with more nets, perhaps more non-ham activities, and some fond farewells.

## Sunday Departure

Sometimes, a host will arrange for a group breakfast. I have never attended one, because I am more intent on hitting the road. Jenny and I typically combine the Eyeball trip with some general sightseeing and visits with friends and family. The Eyeball is a good reason to be on the road in the first place, and it serves as a springboard for us, plus it enables me to operate mobile in some places where I have not previously made contacts.

I have merely scratched the surface of the fun times to be had at the 3905 Century Club Eyeball. Each gathering is different, yet they all have the common elements of radio fun and friendship. Truly, each club member will find many interesting and entertaining things to do beyond what I have described here.

I hope I have persuaded you to attend this year’s Eyeball. If you have conflicts that absolutely preclude your attendance this year, then start planning for next year whenever the Club announces the venue and dates. You will not be disappointed. I hope to see many of you in Virginia!

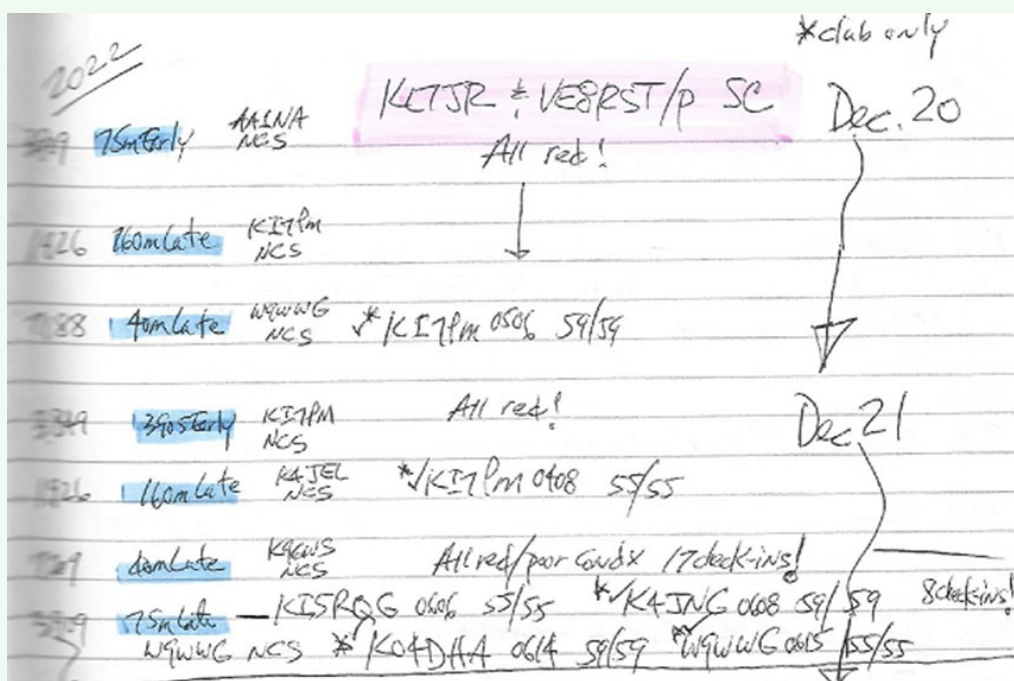
***I will be skipping my September column, as I will be devoting my time to Eyeball preparations. See you in October!***



## The Century Club Logger: The Logbook

**A**n amateur radio logbook is a record-keeping tool used by amateur radio operators to document their communications activities. It serves as a chronological record of the operator's radio contacts. Amateur radio logbooks are essential for various purposes, including confirming contacts for awards, contest participation, verifying contacts for licensing requirements, and personal reference. The logbooks can serve as a valuable historical record of an operator's radio activities.

The topic for this month is the “logbook” and the importance of having good data. An amateur radio logbook is no different than a checkbook register and in the logbooks basic form a record of you you worked. In the basic logbook only the callsign, date, time, band, mode, and signal reports are actually the critical data. Sometimes people use remarks for making random notations. Last month I showed you an example of a page from Marty’s paper logbook. Here is another example of John’s (KL7JR) logbook:



While this example of a logbook provides a good detail of history in chronological order it will be very hard to search for information if you are working on awards. When I met up with John this past spring I was impressed the way he “paper” logged contacts. Lots of color coding and notations.

NetLogger is a popular software application used by amateur radio operators to manage and log their activities during radio nets. It provides a set of features specifically designed for net operations, making it easier for operators to track and organize their net participation. While NetLogger provides a good set of tools to running nets, it falls short as a logbook program.

In addition to tracking basic information about a contact it only provides 2 fields for recording specifics of a contact and in many cases relays on the net control station to provide something in the remarks filed. And since it is not a logbook management program it falls short on many features that are needed. One such feature is tracking and organizing sending and receiving QSL cards and reporting capabilities.

In last months column I talked about the live of a contact. It is in this area where the Century Club Logger provides a comprehensive solution for logbook. For starters when you monitor a new using my logger, in the background the software is collecting information about you so that when you work a station as much information that is available gets collected. For example if you work AE4NT the contact is recorded as a VIP and also each of this persons titles are collected. In my case when I worked Ben back on June 23 the logger recorded him as Awards Committee Chair, Awards Secretary, and Bylaws Committee Member. So ask yourself why this is important. A person decides they want to complete the VIP/Officer award and there are specific requirements for that award. If you log a contact using NetLogger the best you can hope for is something in the remarks field like OFF or VIP and nothing to indicate that he is the Awards Secretary.

If you look at the data structure in NetLogger you will soon determine that only basic information is collected:

Band	My_State
Callsign	RST_Rcvd
County	RST_Sent
Comment	Name
Country	State
QSO_Date	Time_On
Frequency	QSL_Via
Gridsquare	Operator
Mode	QSL_Rcvd
QSLMSG	QSL_Sent



In looking at the data collected there are almost 180 different fields used to collect and record information about a specific contact. For example in the current release there are over 100 fields used for awards and yes that is more than half. Instead of going through each field here is a summary:

<b>Contact data</b>	When a contact over 60 different fields are updated with specific information. For example if you work a Tri-Point the contact has a field that will be set for tripoint.
<b>QSL Management</b>	Includes everything you need to track QSL cards for both your station and any club you bring to the nets.
<b>Awards</b>	Over half of the fields are used for awards tracking. If you take a quick look at the website you will see that the club has about 45 awards.

As you can see in the sample screen shot below I have made every effort to capture information about your station and about the station you contacted. You will notice on this screen shot on the right hand side there is a whole collection about specifics like State capital, YL, VIP. Etc. This information will become helpful as you start filing awards. Also note that most of this information is NOT captured by NetLogger and the only indication is that if the NCS station enters something in the remarks field. This includes where you were your mode of operation, net, etc. I also collect information about you at the time of the contact.

The screenshot displays a web form titled "Contact Data Screen" with several sections for data entry:

- Contact Section:** Includes fields for Date (23-Sep-22), Time (04:27:23), Net (40m SSB Late Net), Frequency (7.189), Mode (SSB), Band (40 Meters), RST Sent (59), RST Rec (59), Grid Square, City, Call Area (1), Country (United States of America), Prefix (W1), Entity Code (291), CQ Zone (05), ITU Zone (08), WPX, Remarks (Old-Timer), National Park, Oldest Town, High Point Name, and a list of checkboxes for awards like State Capital, YL, VIP/Officer, Masters Holder, Orig Charter Signer, Special Event, Combo, DX, Tri-Point, Low-Point, High Point, Oldest Town, NCS, Relay, Old Timer, and Relay Assist. There are also fields for Mob/Port and QRP Power.
- Station Information Section:** Includes My Call (KL7DR), Spec Event Call, Station Config (Flex-6600 - 40m w/KR0DS), Location (Oregon State Capital), Located in State (OR), Mob/Port (Fixed), Rig (Flex-6600), Power (0), Antenna (Dipole), and Accessories.
- Club Information Section:** Includes Club Operator, Trustee, and Club Call (KR0DS).
- Member Information Section:** Includes Mbr Number (7511206) and Base 100pt (1464).

**Contact Data Screen**

Most logging programs only collect basic about stations you worked and I believe this logging goes the extra step. One area that it shines with is QSL management. In addition to basic sending and receiving logging the logger can also track any club station you may have. There are many features of automation here like new stations be flagged as direct and you get to make the choice on how you want to QSL. The logger also includes a robust report writer and built into the logger is a good collection of reports. Using this reporting tool you can also create QSL labels or QSL cards ready to send out.

A newer feature of the logger is the ability to use scanned images of your QSL cards and “marry” them to an actual contact. At first you may think “what a stupid idea” but, and there are always butts what this really means is that once you have your collection scanned they will always be at your finger tips. For example, when I attend the Eyeball this year I will have my entire collection (10,000) cards with me on a thumb drive. (more information below)

The screenshot displays the 'QSL Management Screen' with several sections:

- Contact Data:** Includes fields for QSL, DXCC (dropdown), Date sent to LoTW (dropdown), QSL Info (cc40), Date sent to eQSL (dropdown), NCS (KL7OR), and Date sent to Other (dropdown). There is also a QRZ/QSL field.
- Outgoing QSL Information:**
  - Sent: [Sent] S, Alt Call: KR0DS, Mob/Port: [Portable]
  - Date: 9/27/2022, [ ] iQSL, Sent: [Sent]
  - QSL Message ID: 40m LateNet/NCS
  - QSL Message: Dick, Thanks for the 40M NH Old Timer contact on the 3905 Late Net. 73's Dean (7 VIP points) President NCS. www.3905nm.org
  - EQSL Message: Thanks for the 59 on the 40M NH contact on the 40m SSB Late Net 73!
  - 2nd Request Text: [ ], [ ] QSL Second Request
  - Prior 2nd Request: [ ], Date 2nd QSL Req Sent: [ ]
- Incoming QSL Information:**
  - Received: [Received] ✓, Date: 10/28/2022
  - Alt QSL Received: [Not Rece] ✓
- QSL Card Preview:**
  - Shows a sample QSL card for WK1J, New Hampshire, dated 2022-09-23.
  - Front of QSL: WK1J\_NH\_2022-09-23\_042723\_front.jpg
  - Back of QSL: WK1J\_NH\_2022-09-23\_042723\_back.jpg
  - Buttons: Show Cards, Remove Images

### QSL Management Screen

The logger has always been strong on awards, especially the club's progressive awards. The Progressive per-processor was developed in 2006 designed to help prepare a bullet proof application taking into account all of the rules surrounding the award. The preprocessor works with any award level, 100, 500, 1k and beyond. There are also a number of "Selectors" used to assist you in preparing awards and of course other awards can be manually tracked.

Award Tracking

Progressive

Point:

Clear

Section:

Use Wildcard

☐ Bakers Dozen
☐

☐ DX
☐

☐ National Park Tourist
☐

☐ Quarter Master
☐

☐ Worked All States
☐

☐ Worked All State Cap
☐

☐ Worked All Same State
☐

☐ Worked All States/YL
☐

☐ Worked All States 2-letter calls
☐

☐ Worked All States Combos
☐

☐ Worked All States CW
☐

☐ Worked All States QRP
☐

☐ Worked All States Mobile
☐

☐ Clint Wise Memorial
☐

☐ Nomad
☐

☐ Alphabet Soup

☐ Chain Letter

☐ Canadian Call Area

☐ Century Club Prefix

☐ Master Degree

☐ NCS

☐ Nite Owl

☐ Poker Player

☐ Silver Certificate

☐ Worked All CC Nets

☐ Journeyman

☐ Solar System

☐ Route 66

☐ Beat The Clock

☐ Round Up

☐ 12 Month Sequence

☐ VIP/Officer

☐ National Park Ranger

☐ Certificate Hunter

Endorsement:

☐ Millennium

No:

☐ Numbers Racket

☐ 1000
☐ 2000

☐ Call Area

Area:

☐ Dictionary

Words:

Points:

Award Tracking Screen



In working with other members of the club a recent addition to the logger is the cataloging of QSL cards and developing a “paperless” method of submitting awards.

Creating/submitting awards manually	Using Century Club Logger for awards
<p>Print out the award form Sort through your QSL collection looking for cards Modify your award form Look for more cards Verify that all of your cards are valid Print out a new form and update it with changes Sort your cards in the correct order for the award. Using a scanner scan your award application, your PayPal receipt, and your QSL cards (3 at a time if you are using a flat bed scanner). And send this to your Awards Manager.</p> <p>Time estimate 2-3 hours for a WAS award</p>	<p>Open the award selector in the logger. i.e. WAS YL Select (click) contacts that you have cards for. The logger will process and edit your application Repeat this until you are error free The logger will then create a folder containing your qsl cards and print (to a PDF) your completed application The next step is to pay for the award and print (to PDF) this as well Finally combine all of the cards in your generated folder into a single document and save this as a PD file At this point you have saved: Award Application PayPal receipt QSL card images The last step is to submit this via email to your awards manager.</p> <p>Time estimate: 20 minutes for a WAS award</p>

If you can read between the lines the logger provides a great deal of automation that will save you time so that you can spend more time in the nets and work more stations to get new awards.

One task that I never likes was organizing my QSL card collection. In the beginning when I only had box for all of my cards it was easy. Just pull out the box, file cards or pull cards for an award. Now after 20 years I have 11 boxes of cards and it had become a real pain to file/pull cards. Since I was filing my cards by band/mode sorted by state I also discovered that I had misfiled a good number of cards. One example was a card that was filed in MS when it would have been filed in TN. When I was cataloging this card I discovered that the station had written in very small print on the bottom right hand corner TN. In my collection it would have been lost forever.

Going back to the original topic of this segment, the software I have developed here is all about the log and creating routines to automate as many tasks as I can. One example is the Progressive Preprocessor that can be used for all levels of the award from the 100 point to the 46,000 point. When I developed I set out some goals that were musts:

To insure that a card could only be used on one award. In other words if you worked W1ABC a handful of time and used him on your 500 point award, the preprocessor would exclude W1ABC from being used again

The ability to quickly select stations to be included by what I call "point and shoot"

The ability to identify specific stations. This includes YLs, combos, 2x2 calls, etc. Also to include/exclude by state.

Using the latest version of the software, pull (copy images) QSL cards sorted in the correction for the award into a single document that can be used to email your award to your AAM. I can remember at time in the past after I had pulled my real cards standing at my scanner scanning 3 cards at a time. (glad those days are over).

And most important of all the ability to generate the award that is compatible with our current award application forms.

Level: 20		3905 Century Club, Inc. National Parks Tourist Application					
Big Bend	K1YAG	TX	Mobile	11/8/2018	05:29:42	40M	SSB
Bryce Canyon	N8TF	UT	Mobile	8/8/2021	04:10:31	40M	SSB
Canyonlands	KG9E	UT	Portable	7/16/2011	05:22:08	40M	SSB
Capitol Reef	N8TF	UT	Mobile	8/8/2021	04:27:46	40M	SSB
Carlsbad Caverns	K1YAG	NM	Mobile	6/20/2015	04:27:17	40M	SSB
Channel Islands	AF6MV	CA	Mobile	7/18/2017	04:27:16	40M	SSB
Congaree	N5A	SC	Portable	9/19/2021	04:12:41	40M	SSB
Crater Lake	K07OS	OR	Mobile	8/16/2009	05:16:03	75M	SSB
Cuyahoga Valley	K8I	OH	Mobile	7/19/2020	05:13:13	40M	SSB
Glacier Bay	NV7A	MT	Mobile	10/8/2008	02:53:43	75M	SSB
Grand Canyon	KG0AT	AZ	Mobile	5/9/2013	04:52:32	40M	SSB
Great Basin	N8TF	NV	Mobile	8/9/2021	04:16:15	40M	SSB
Great Sand Dunes	KR0DS	CO	Mobile	8/17/2014	04:19:22	40M	SSB
Great Smoky Mountains	KL7RST	TN	Mobile	10/4/2021	04:05:46	40M	SSB
Guadalupe Mountains	WB7ASC	TX	Portable	10/4/2014	04:19:17	40M	SSB
Mesa Verde	KG9E	CO	Portable	6/8/2013	04:38:57	40M	SSB
Redwood	KG9E	CA	Portable	10/22/2011	04:57:03	40M	SSB
Shenandoah	K1YAG	VA	Mobile	6/29/2018	04:48:36	40M	SSB
Wind Cave	K1YAG	SD	Mobile	9/19/2017	04:43:09	40M	SSB
Zion	AC7RA	UT	Mobile	8/22/2009	05:05:04	40M	SSB

Enclose QSL cards (or clearly scanned copies) in the order shown above and mail to your Awards Manager.

Please check the 3905 Century Club website for current information regarding award fees, methods of payment and additional items that are required when submitting any Club award. Detailed information can be found here: <http://www.3905ccn.com/newsite/awards-program.htm>

Name: Dean Davis	I have paid my fee of: \$3.00
Address: 3596 Karen Ave S Salem, OR 97302	Via: PayPal
Call: N7XG	Certificate for Award: Paper
Email Address: dean@alpinesoft.com	Certificate for Endorsement: Paper
Phone No: 503.540.3270	Paypal Trans id:
Date: November 13, 2023	Endorsement, list original certificate # none
	100-pt awd # & band/mode: 2164

Checked By: \_\_\_\_\_ Call: \_\_\_\_\_ Date: \_\_\_\_\_

Many hours have been spent in developing the Century Club logger and I have tried to make it easy to use and understand. If you are looking for basic logging then this logger will work for you. On the other hand if you are looking for an A-Z solution then I would suggest that you stay tuned to this column as there are many more features to be discussed.

The logger is free to anyone who wants to use it and you are always welcome to make a donation at any time if you wish. I will continue to make updates until such time I am no longer able to (I am not a spring chicken).

I am not sure if there will be an article for the September issue of the Centurion as I will be preparing for my presentation at the Eyeball.

73,

Dean



# What Was It?

## What was that funky thing pictured in last month's Centurion?

### A QSL CARD SORTER!

BY BUDDY SPIEGEL, W3BS

If you are a typical netizen who checks in to our nets from his/her home location, does not venture out in a vehicle to go /P or /M, and does not operate from a remote base station, or does not receive large amounts of QSL cards from the bureau ..... then this article is probably not for you. I am sure you will enjoy reading what [KL7JR](#) or [KU1V](#) wrote a whole lot more.

As a lot of you know I spent 15 months driving all over this country operating /P and/or /M from the state capitals. I filled 6 file drawers with the QSL cards I received from that trip, almost evenly divided between 40 SSB and 75 SSB. That is approximately 50% of the total Century Club cards I have received over the years. For reasons which I no longer remember, probably for award purposes, these /M and /P cards were not sorted in with the rest of my cards. They were grouped by state capital, and band within the state. The rest of my collection is grouped by band, state within band, unsorted within state. I felt it was time to reorganize the card collection, keeping it separated by band, state within band, and suffix within state. All this to facilitate the pulling of cards if I should file for additional awards. For my cataloging purposes there are 52 states, our own 50, all of Canada, and all DX except Canada.

I decided to attack 40M SSB first, using my large kitchen table as a sorting platform. It took two weeks, a few hours each weekday, to complete this task. Remember, I was sorting six file drawers of cards! I was not going to do this again for 75 SSB.

After much thought, AMAZON shopping, and discussing with my friend, and your President, [KL7OR](#), I decided to build a set of 13 sorting bins, on one level, each bin 2 ½ - 3 inches wide. One, this fits on the kitchen table, and I can reach end to end without getting up from a chair. Two, it supports sorting into state sequence in 4 passes. Three, it supports sorting into suffix sequence in two passes. Please see Figure "A". I used scrap ¾ inch plywood for the bottom, back and sides, and also scrap ¼ inch plywood for the bin separators. The slots for the separators were made using a ¼ inch spiral cut straight router bit, but a table saw or a radial saw would work equally well. This was Version 1, 42 inches wide.



**Figure A: Version 1 of the QSL Card Sorter**

This worked very well, I got the whole job done in just a few days, less than  $\frac{1}{2}$  the time it took for a similar amount on 40M. However, since I do not anticipate having to sort a set (or two sets) of 5000 cards ever again, I needed a solution for more realistic volumes. Hence, a Version 2 was needed.

I wanted to accomplish a few things in Version 2. One, a shorter unit. Two, narrower bins. Three, 26 bins. Version 2 is only 21 inches wide, making it much more physically manageable, and resulting in fewer passes for the sorts. The state sort is two passes, and the suffix sort is only 1 pass. See Figure “B(1) and B(2)”



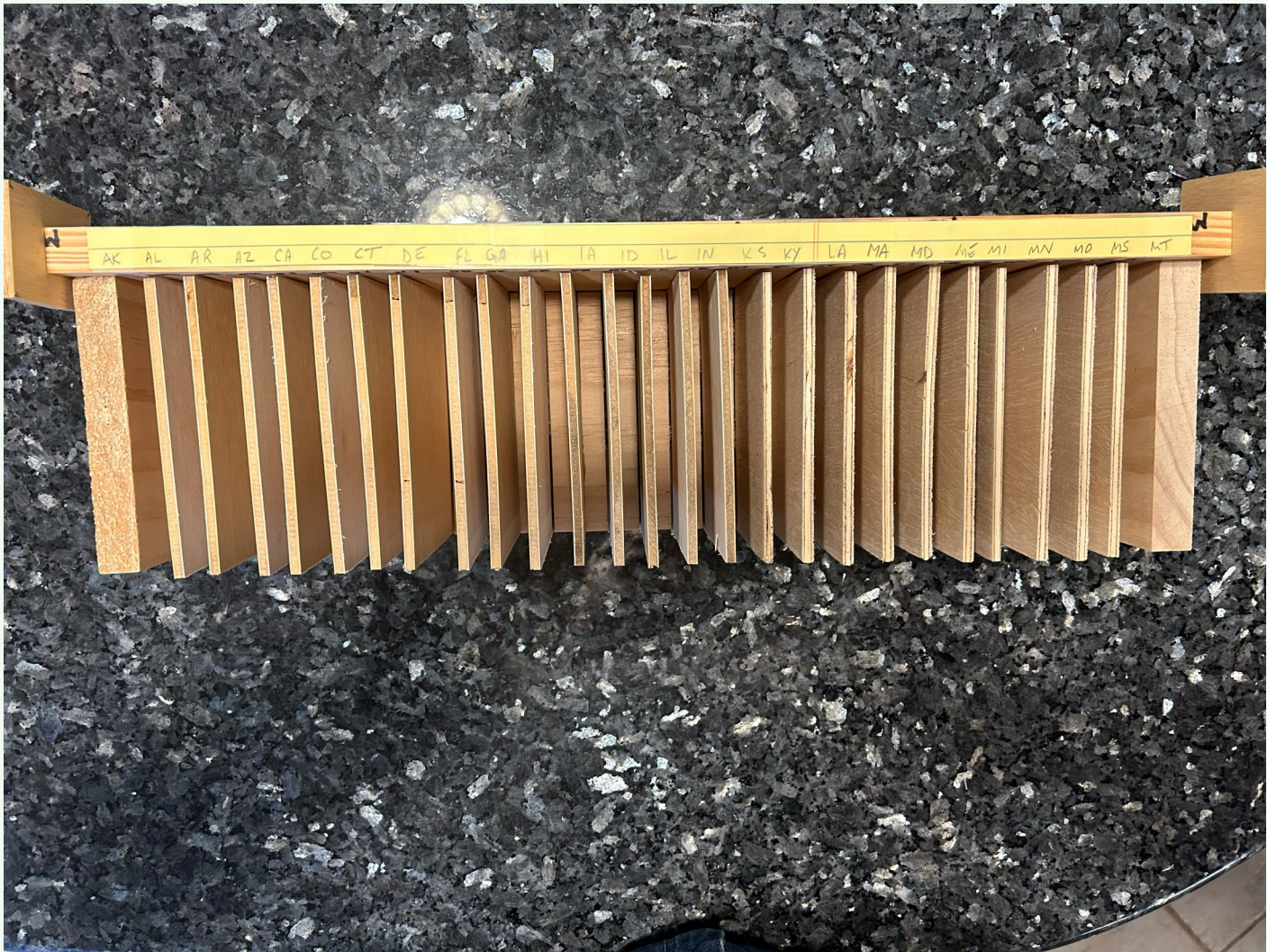
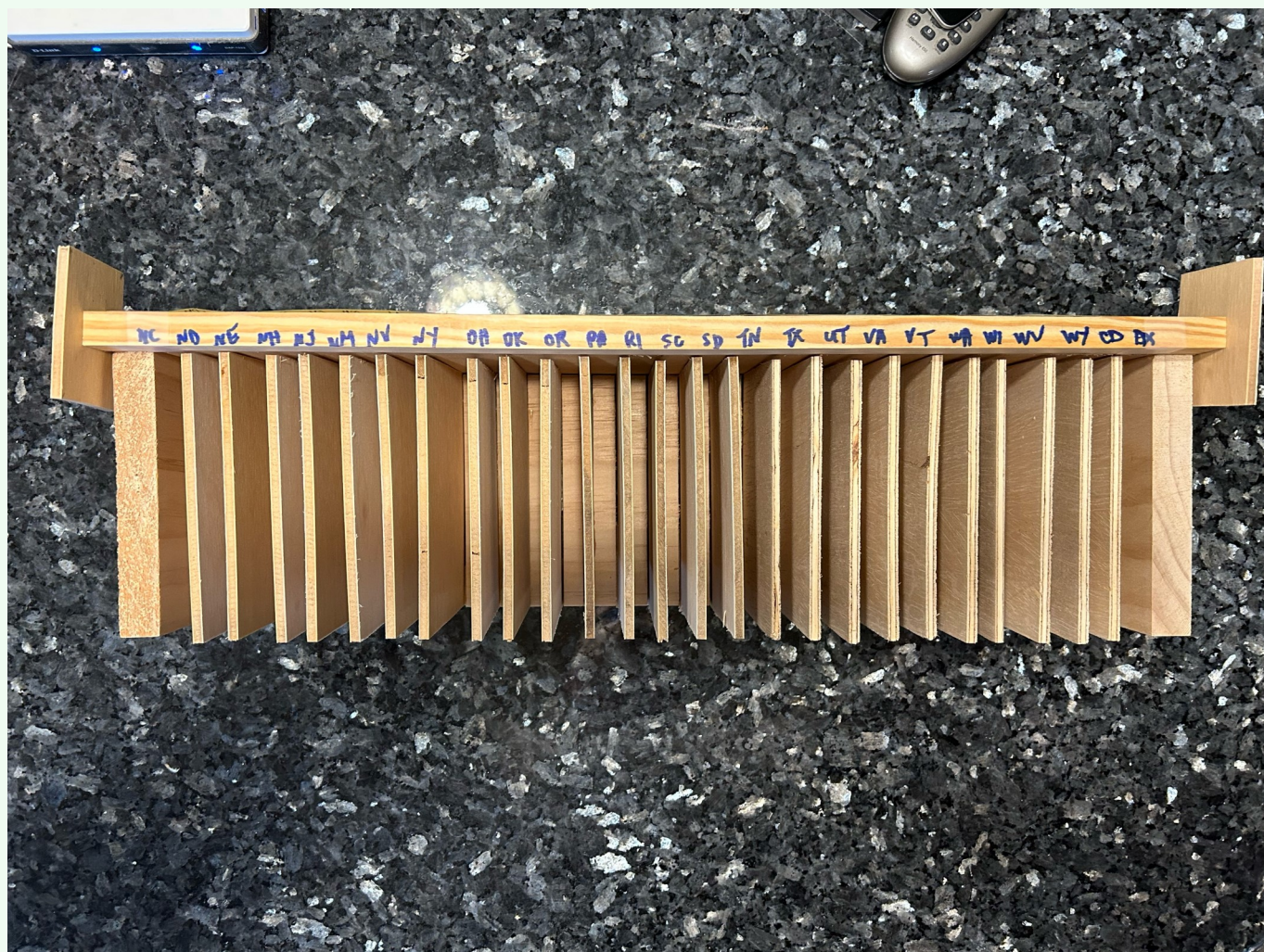


Figure B (1) Version 2 of the QSL Card Sorter — AK thru MT





**Figure B (2) Version 2 of the QSL Card Sorter — NC thru DX**

Since returning to the nets, and before I had received the bulk of my 300+ contacts made since March 28<sup>th</sup>, Version 2 was built. When I received 10 envelopes from the bureau after the Xenia Hamfest, I was ready. I separated the cards received into 40M and 75M, and completed each band in a short amount of time spread over two days. Merging the sorted cards into their permanent home was a breeze since all cards previously received were in state/suffix sequence. I did both merges on a third day.

As of now the only change I would make is to use a special router bit sized for ¼ inch plywood, rather than a standard ¼ inch router bit. The standard bit diameter is wider than the ¼ inch plywood, thus using shims for glue up was necessary. Another benefit of this sorting platform is that it got me out of the recliner and back into my woodshop.

73,

Buddy, W3BS

## Editor's Notes:

Thanks to everyone that sent in their guesses! The first member to send in the correct answer was [Jim, KB3PU](#). Congratulations Jim and I hope you enjoy your 1 year subscription to the Centurion Newsletter! Unfortunately, since the Post Office raised postal rates and thereby broke the Centurion's budget, you will have to retrieve your free copy from the website every month :-)

Thanks to [Dick, W2RCH](#), [John, KL7JR](#), and [Gary, K5GEB](#), who placed 2nd, 3rd, and 4th based on date and time.

## ERATA:

About the same time Buddy wrote this article, he started working with [Dean, KL7OR](#), testing the new features of the Century Club Logger. Buddy has since embraced the Century Club Logger and it's QSL card scanning and cataloging features and likely his QSL card sorting hardware will be relegated to his ham radio storage area!

For any member not switching to the Century Club Logger, I think Buddy's system would be quite helpful in sorting incoming QSL cards. Granted, unless you have a lot of incoming cards, the QSL sorter is probably overkill. But , if you are a fledgling woodworker like me, it could be a fun project to build!



**Mike, KU1V continues his trip to the southwestern national parks.  
Thanks Mike for taking us along on the trip!**

## **Saguaro National Park and More!**

**By Mike Rush, KU1V**

Leaving White Sands NP, after Century Club Nets, I followed routes 70 / I-25 / I-10 to a rest stop near the AZ/NM border for some ZZZs, then onward toward Tucson, AZ, and the Saguaro NP.

But first, a side trip south of Tucson, to Green Valley AZ and the Titan II Missile Silo along with, perhaps, the largest discone antenna ever built – and it still is operational – here we go!

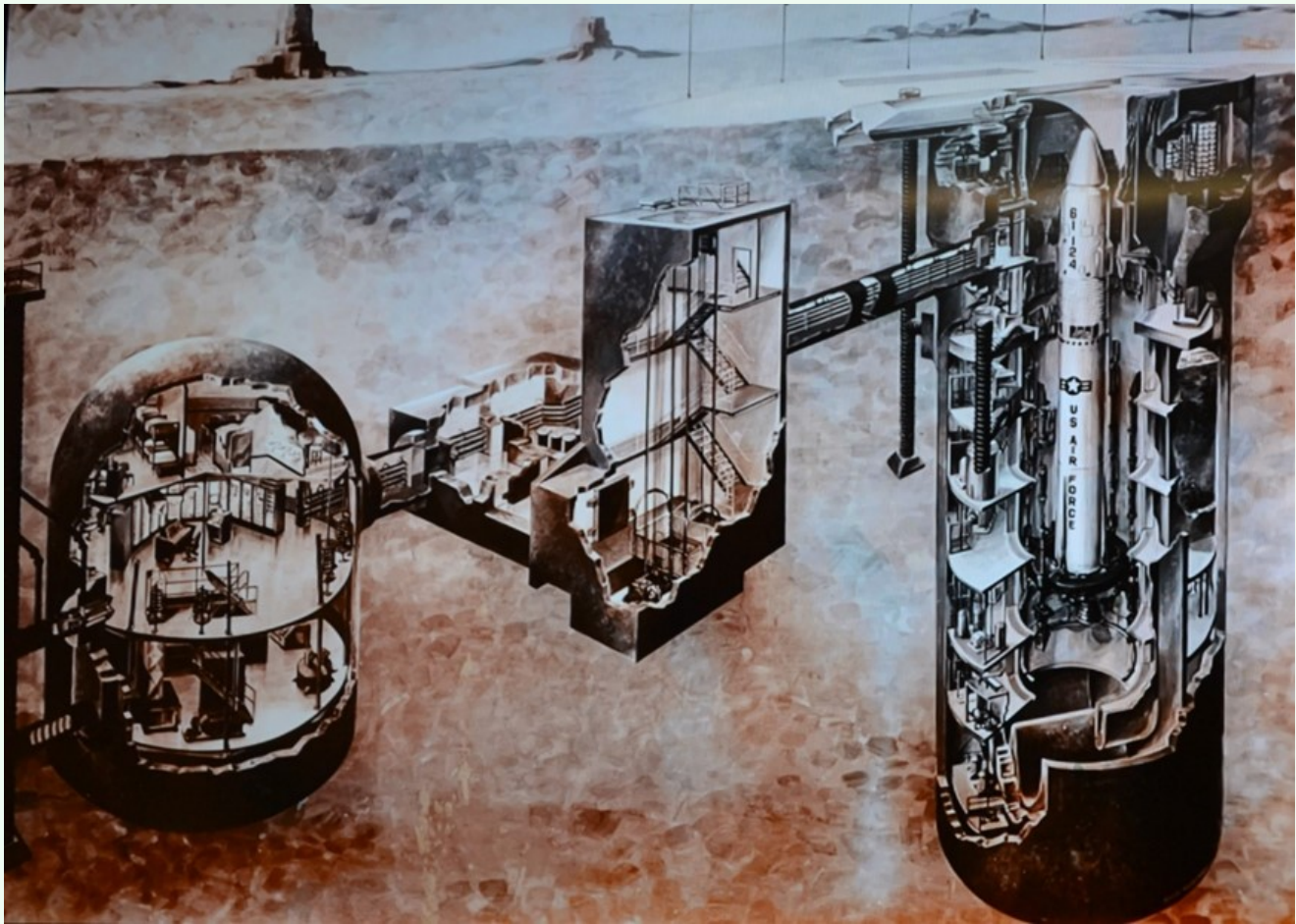
**March 1, 2023**

Green Valley, AZ, and the one remaining Titan II Missile.



**Main entrance**

Decommissioned in 1984 after nearly 21 years of service, and today, a National Historic Landmark.



**Underground complex Titan II Missile, Green Valley, AZ. Left – Living quarters, Center – Control room and entrance, Right – Silo with missile.**



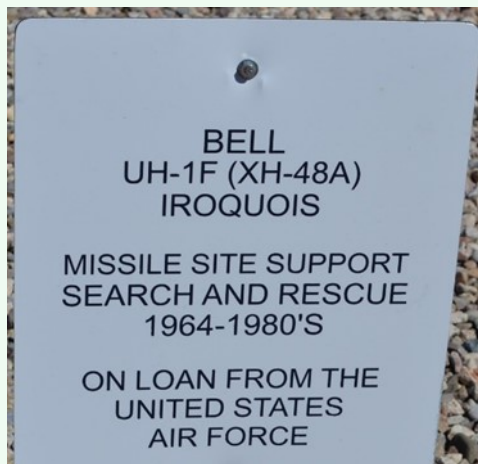


**Missile inside silo, Titan II Missile, Green Valley, AZ.**





Missile head. Note: Silo is always open to provide satellite observation,



Back in the day, with gravel and dirt roads, the monsoon rains could make passage difficult between the missile site and Davis-Monthan AFB. Therefore, this helicopter could shuttle crews.

See these links for more details:

<https://titanmissilemuseum.org/>

[https://en.wikipedia.org/wiki/Titan\\_Missile\\_Museum](https://en.wikipedia.org/wiki/Titan_Missile_Museum)

<https://www.youtube.com/watch?v=k4my24bGIEM>

Located across from the missile entrance, and standing proud at near 80 feet, is the famous Collins Discone Antenna.



**Collins Discone Antenna**

Collins Radio constructed this antenna around 1962/63, and it's still being used today by amateur radio operators. The links below will give detail on this antenna. This antenna is constructed in two parts being upper and lower. The lower antenna portion can go down in the 3 MHz frequency range where the upper portion goes into the ham bands. Not too long ago, QST magazine had a nice article on this discone antenna.





On my arrival there was a local radio club meeting in progress. The black square box, on table, is the antenna connection point.

<https://www.gvarc.us/titan-missile-museum.html#:~:text=The%20nearly%2080%20feet%20tall,site%20was%20deactivated%20in%201982.>



**KU1V, Gray box is the antenna connection point**





See following links:

<http://www.arrl.org/news/cold-war-grp-a-case-of-quot-discone-fever-quot>

<https://titanmissilemuseum.org/museum/ham-radio-operators/>

<https://www.n1rwy.org/?p=635>

I am heading to Tucson and the Tucson Mountain District of Saguaro NP on the West side of I-10. The other portion of park is on the East side of I-10, Rincon Mt. District. I have been to Tucson Mt Dist. on other occasions, and entering from the south, Red Hill Visitor Center is time consuming for a return back to I-10 for next morning departure. Therefore, I chose the East entrance off I-10 and Ina Road as this location provides several motels with about 10 minutes' drive to the NP entrance.



KU1V



KU1V, it was a short distance from NP East entrance to “Cam-Boh” picnic area - great location to operate.

<https://www.nps.gov/sagu/index.htm>

Next morning in Tucson AZ, is this snow possible?? Yes, and it gets worse along my route to Petrified Forest.



Now, on my way to Petrified Forest NP. See you next month for the final leg of this trip!

73 Mike KU1V

## Updated QSL Bureau Graphic Marty, AG5T

For those of you who may be new to our nets here is a graphic of how you can save money through the 3905 QSL bureau. More information is available on the web site [3905ccn.com](http://3905ccn.com)

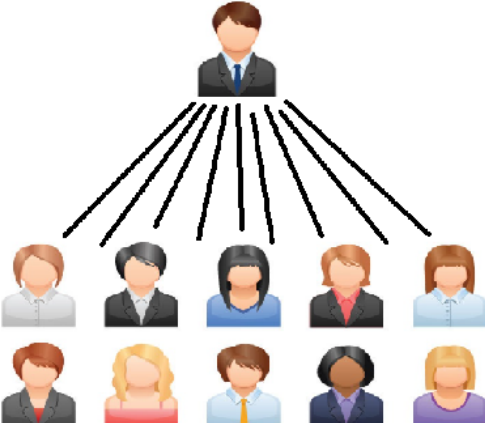
### QSL=Direct

**Direct**  
You send each card directly to the operator.

Post Cards are 48 cents each  
To send 10 QSLs is \$4.80

Regular postage is 66 cents each  
To send 10 QSLs is \$6.60

Return SASE included  
To send 10 QSLs is \$13.20

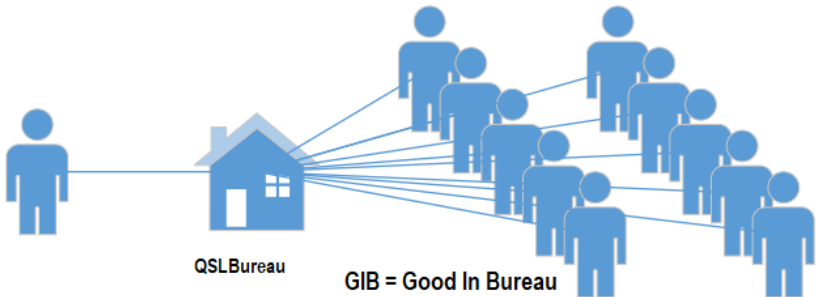


### Save postage using the 3905 Century Club QSL bureau

By AG5T  
originally by N8RMA

---

### Using the 3905 QSL bureau



QSLBureau      GIB = Good In Bureau

**Bureau**  
You provide either SASE's or funds to the bureau, which acts as a central location to send and receive cards from.

**SASE**  
\$.66 – return SASE for cards  
\$.66 – postage to send SASE  
\$.66 – postage to send 10 QSL's

**Funds**  
\$.25 – return envelope  
\$.66 – return postage  
\$.66 – postage to send 10 QSL's

By using the bureau you can get 8-10 QSL cards in one envelope



## A BLAST FROM THE PAST

Submitted by W3BS (present call), was KJ4KR at the time being referenced.

Please look carefully at the two QSL cards pictured. On one card I was mobile in MO, on the other card I was mobile in AR, at two different ZULU times. However, my vehicle never moved between the time of first contact, and time of the second contact with WO5U. How did that happen?

OKLAHOMA  
CHEROKEE COUNTY

TRCVR-KNWD TS 830S  
ANT-INNV APEN 42FT  
TUNNER AT 130  
OUTPUT 200 WATTS

**WO5U**

ART ASH  
HC 73 Box 511  
Park Hill, OK 74451 USA

☒ PSE QSL ☐ TNX QSL Ex: KA5TTM

CONFIRMING QSO WITH	DATE			UTC	MHz	RST	2 WAY
	DAY	MONTH	YEAR				
KJ4KR/0 MOBIL MO	22	AUG	87	0217	7.248.0	55/55	55B

OKLAHOMA  
CHEROKEE COUNTY

TRCVR-KNWD TS 830S  
ANT-INNV APEN 42FT  
TUNNER AT 130  
OUTPUT 200 WATTS

**WO5U**

ART ASH  
HC 73 Box 511  
Park Hill, OK 74451 USA

☒ PSE QSL ☐ TNX QSL Ex: KA5TTM

CONFIRMING QSO WITH	DATE			UTC	MHz	RST	2 WAY
	DAY	MONTH	YEAR				
KJ4KR/5 MOBIL ARK	22	AUG	87	0120	7.248.0	55/58	55B



Back in those olden days, when life was tough, and you walked to school, uphill in both directions, the only two-fer was a combo, and that was true only if you called the combo, not the other way, as it is today. I am not opining, just stating facts. So, when I was on a state line and received a call, the calling station had to specify which state he/she wanted. If they wanted both, they had to call me again on the next round. Most times I stayed on a net for two rounds when on a state line to accommodate calling stations who wanted both states.

73,

Buddy, W3BS

## August 2023 Club Events

**Note:** Regular Board Meetings are always held on the second Saturday of each month, local time at 9PM Eastern, 8PM Central, 7PM Mountain, 6PM Pacific.



- **3905CCN Board Meeting: Saturday, August 12, 2023**

Did you know that videos of all Board Meetings are posted on the Club's YouTube channel? Courtesy of the Board and produced by Sammy KB1XP, you can view them at: [\(11\) 3905 Century Club - YouTube](#)



**Weekly Zoom Meeting on Wednesdays at 01:30pm Pacific Time. Check your email for the Zoom log-in information.**

## **Eyeball Road Trips!**

**The following Eyeball Road Trips have been submitted! If you plan on making mobile or portable contacts on the way to the Eyeball or the way home, this is the place to let our members know!**

**Kirk, AA1NA is planning the following trip, with lots of state capitals! (subject to some adjustment if necessary):**

**Saturday, September 2 Talahassee, FL CAP**

**Sunday, September 3 Atlanta, GA CAP**

**Monday, September 4 Columbia, SC CAP**

**Tuesday, September 5 Raleigh, NC CAP**

**Wednesday, September 6 Richmond, VA CAP**

**Thursday, September 7, Triangle VA Eyeball**

**Friday, September 8, Annapolis, MD CAP**

**Saturday, September 9, Triangle, VA Eyeball**

**Sunday, September 10, Great Smoky Mtns NP, TN/NC line**

## CLASSIFIED ADS

This section is for members who would like to sell, swap, or purchase ham gear. If you would like to list your equipment here, please send the information to [k7qhu@outlook.com](mailto:k7qhu@outlook.com). The deadline for ads is the 30th of the month.



**No Member Classified Ads Were Submitted For This Issue**



## NET CONTROLLERS WANTED!

The Club runs CW nets on the 160m, 80m, 40m, and 20m bands. If you have ever thought you might like to try your hand at running a CW net, now would be a great time to volunteer. If you think you might be interested, check out the “CW Nets 101” page on the club website at: [The 3905 Century Club - CW Nets 101 \(3905ccn.org\)](http://The3905CenturyClub-CWNets101(3905ccn.org)). We really need CW NCS's as currently the 40M and 80M CW nets do not have Net Control Stations.

If you are interested in giving CW NCS'ing a go, please contact the CW Net Coordinator, Steve Davis, K7QHU ([k7qhu@outlook.com](mailto:k7qhu@outlook.com)) for more information.

By the way, the Club is always looking for Net Controllers for all nets and modes. If CW is not your thing, then please consider volunteering as an NCS for any of the other Modes. If you volunteer, you receive free NCS training and all the associated NCS benefits offered by the club!



## Fun Facts About Our Nets In July 2023

Did you know we had **599 unique U.S. Stations** that checked into our nets during the month of July, 2023. Check to see if you made the list!

AA0HF	K3BDM	KA4ACE	KD0ZTE	KF7KAT	KK6HPB	KQ4CI	N5BT	W2FEC	WA0ROH	
AA0ZP	K3CD	KA4TLC	KD2HCE	KF7NWL	KK7CED	KQ4CIA	N5BWC	W2RCH	WA1LNY	
AA1AL	K3CRM	KA5PXE	KD2IBT	KF7PGP	KK7CLN	KQ4FNU	N5EDG	W2TI	WA2BTC	
AA1NA	K4ATV	KA6NOC	KD2IOB	KF7UBT	KK7HSO	KQ4FPS	N5HTX	W2WCM	WA2GKH	
AA1QW	K4AX	KA7IMA	KD2THF	KG2BAD	KK7IRG	KQ4GCN	N5KUC	W2WDC	WA2JIM	
AA2KV	K4FIL	KA9QWV	KD2ZSA	KG4BWP	KK7MHV	KQ4GFE	N5MIG	W3BAX	WA2LOT	
AA3WD	K4FIO	KB0EL	KD3Y	KG4DCO	KK7NKV	KQ4GFK	N5OHL	W3BS	WA4BKL	
AA4JJ	K4FZG	KB0FJB	KD4DTR	KG4SBW	KK7NNE	KQ4GMY	N5UAC	W3DMC	WA4JMS	
AA4WL	K4GCD	KB0HV	KD4GUB	KG4ZOD	KL4JC	KQ4HLZ	N5WGA	W3RKI	WA4NID	
AA9TC	K4INU	KB0UOZ	KD5FWB	KG5BON	KL7JR	KQ4IJW	N6TCO	W3ZO	WA5TQB	
AB0HX	K4ISG	KB1RVU	KD6OAU	KG5SDB	KL7OR	KQ4JFR	N7BSH	W4BZM	WA5YNE	
AB2VI	K4JEL	KB1XP	KD6WIQ	KG5YMI	KL7WG	KQ4JPB	N7CCW	W4CBH	WA6LBU	
AB8YZ	K4JUJ	KB1YAP	KD7SXH	KG7OEC	KM4AF	KQ4JQN	N7HRI	W4IYI	WA7GOB	
AC1OC	K4KRK	KB2MN	KD8NZX	KG8UTS	KM4FZP	KS9WI	N7HRR	W4JPS	WA9DIY	
AC2EV	K4LO	KB2PIZ	KD8SAV	KG8WL	KM4P	KU1V	N7JCX	W4JWM	WB0CSF	
AC2MT	K4NYW	KB2TC	KD8TF	KI0R	KM5EV	KU8RLY	N7PLQ	W4MUF	WB2AFC	
AC5P	K4PVK	KB3LUE	KD8VNS	KI0Y	KM6ERJ	KV0H	N7XG	W4NHO	WB3EMH	
AC6SC	K4TER	KB3SSZ	KD8YWF	KI4FSZ	KM6IHH	KV4TE	N7YES	W4SAL	WB4IVG	
AC7DW	K4WNM	KB4EJT	KD9GVK	KI4KGK	KM9U	KV8U	N7ZEL	W4SNT	WB4LAF	
AD4GH	K5CV	KB5YPN	KD9KEA	KI4NBE	KN4CQB	KW0LFY	N8BRO	W4TIP	WB4MAB	
AD5XD	K5CVD	KB7BIB	KD9NQC	KI4NZS	KN4GLF	KX4U	N8DQU	W4ZDP	WB4ZAR	
AE0BE	K5GEB	KB8OEJ	KD9ODH	KI4QMB	KN4GPX	KY1KY	N8EOD	W5ALJ	WB6KIO	
AE0US	K5HAM	KB8PRU	KD9OIQ	KI4WCQ	KN4LGM	KY4IO	N8FM	W5FJF	WB7VEQ	
AE4DF	K5PAR	KB8UEY	KD9PXZ	KI5GCK	KN4NQJ	KY4KSP	N8KZZ	W5GFM	WB8LZR	
AE4NT	K5VG	KB8UGP	KD9WNX	KI5ITL	KN4RTK	N0MGY	N8TV	W5GWR	WB9TQW	
AE5SR	K5WEL	KB9VUI	KD9YBZ	KI5QXJ	KN4TTJ	N0PF	N8VIL	W5HAR	WC4J	
AF5P	K6ODI	KC0WRE	KE0GIX	KI5RQG	KN4UXO	N0PUI	N9BFI	W5JWP	WD0CVS	
AF8GO	K6PRM	KC1YL	KE0VDI	KI5RRX	KN5Y	N0SAJ	N9CWW	W5NA	WD7N	
AG5BB	K6YEK	KC2DAQ	KE0YW	KI5SOK	KN6RZO	N0TR	N9UPU	W5NOD	WD8MWS	
AG5T	K7BNY	KC2UEY	KE1AF	KI5UPP	KN6UDK	N0WYO	N9UUX	W5UOT	WD8RUW	
AH6V	K7JXY	KC3BCX	KE2BLS	KI5WPG	KN6UNL	N0ZMC	NC8F	W5WJN	WE4AU	
AI4K	K7MKA	KC3HCK	KE3UY	KI5YKQ	KN6ZHJ	N1ABY	NC8I	W5WL	WE4FUN	
AI5CD	K7NHC	KC3HDT	KE4HVT	KI5ZND	KO4AUO	N1LHK	NC8N	W6BDD	WE4GUN	
AI7B	K7OPQ	KC3IBH	KE4IFI	KI6QLM	KO4CEZ	N1MRK	NF0J	W6CEC	WE5B	
AI7QV	K7PGL	KC3JKJ	KE4ZPS	KI7DUH	KO4DHA	N1PGF	NF0T	W6OGX	WF4H	
AI8O	K7QHU	KC3SRR	KE5BGG	KI7HCK	KO4DPU	N2KED	NH7DX	W6PNY	WF4ROG	
AI8W	K7TSW	KC3VDU	KE7NLU	KI7PM	KO4FQY	N2LCJ	NI0A	W6YDK	WG0I	
AJ0KE	K7VIA	KC3WCG	KE8HBY	KI7S	KO4FUD	N2OWE	NK3Q	W7CAH	WG1V	
AJ6XW	K8GIB	KC3WCJ	KE8KNX	KJ2AM	KO4LEM	N2PNE	NN9T	W7DVB	WG4LT	
AK4AT	K8GWS	KC3WFQ	KE8NXG	KJ4DIO	KO4LKP	N2SRI	NO2CC	W7PML	WH6GVN	
K0AAG	K8MSF	KC4CIA	KE8QFT	KJ4OFD	KO4MEX	N2WUS	NT4OM	W7RNX	WI9CE	
K0BMN	K8SSN	KC4RD	KE8RGA	KJ4POP	KO4MRI	N2XTT	NY4DX	W7SCD	WK1J	
K0DVH	K8UHN	KC4YAO	KE8RRG	KJ4RM	KO4NKY	N3BGI	VE6YPY	W8BI	WK5J	
K0FCL	K8WEE	KC5BCA	KE8RYW	KJ4TLS	KO4PDI	N3DNM	VE8RST	W8CTF	WN0P	
K0RPL	K8ZRH	KC5RJL	KE8URV	KJ4YEV	KO4PIV	N3JDZ	VY0RST	W8FSM	WN1F	
K1AZE	K9CUV	KC5THR	KE8UUJ	KJ5AUR	KO4SOW	N3KA	W0FLZ	W8GJK	WO0ELK	
K1CCN	K9DBB	KC5VBI	KE8UWD	KJ5BBT	KO4TBH	N3KLW	W0JEZ	W8JCS	WO1J	
K1GND	K9DXW	KC6ART	KE8VOP	KJ5BBZ	KO4TRA	N3NRT	W0JKT	W8NET	WR8WM	
K1SSG	K9GWS	KC7HDE	KF0ARL	KJ6AHT	KO4ZDC	N3YHM	W0KRT	W8PRB	WS2Q	
K1TCP	K9LCY	KC7MS	KF0BFU	KJ6EEP	KO4ZVZ	N4BVT	W0ZWY	W8RDR	WS5J	
K2DBC	K9LR	KC7TJS	KF0EAO	KJ7EXD	KO6AFN	N4DLT	W1ABC	W8VRX	WT3B	
K2GQ	K9TPT	KC8KTN	KF0JFQ	KJ7OZT	KO6TX	N4DPU	W1AW	W9ARS	WU2T	
K2JLV	K9UNT	KC8ZRE	KF0KCA	KJ7WWO	KP2JR	N4DRB	W1DTX	W9BLI	WV7MS	
K2OHK	K9WZB	KC9DSP	KF0LHS	KK0KS	KQ0EEE	N4EH	W1IP	W9BUM	WV8RM	
K2SFS	KA0SOH	KC9LER	KF0LKG	KK0SS	KQ0Q	N4EVA	W1JPP	W9KMH	WW4ZT	
K2SPD	KA1FLH	KC9TAU	KF3DJ	KK2M	KQ4ALS	N4FLG	W1OL	W9PDP	WW5DD	
K2UNI	KA1ULN	KC9USC	KF4AHW	KK4CSJ	KQ4ASW	N4KME	W1PEF	W9PRR	WX4KXT	
K2V	KA2STI	KC9WWS	KF5FWR	KK4JHG	KQ4BRG	N4NRY	W1USB	W9ROG	WY6N	
K2YN	KA2YDS	KC9YY	KF5JIX	KK4KMO	KQ4BWB	N4TPY	W1XMM	W9WWG	WZ9Y	
K2YS	KA3UFV	KD0GIX	KF7HNC	KK5XU	KQ4CHU	N4WJK	W2CSI	WA0O		

Did you know we had 27 Canada DX stations that checked into our nets during the month of July, 2023. As for new stations, we had 280 unique new stations check into the nets in July.

## 27 CANADIAN DX STATIONS

KE7IR/VE3	VE3FPX	VE6TWL
KU1V/VE4	VE3GVW	VE7NSK
VA3CRL	VE3HMK	VE7WDO
VA3EKO	VE3KMQ	VY1HRP
VA3TUV	VE3KUZ	WA0O/VE5
VA3XCL	VE3MJR	
VA3YKT	VE3VTT	
VA6CWS	VE3YWN	
VA7QZ	VE3ZSZ	
VE2DQO	VE5RUS	
VE3CMB	VE6SCL	

## OTHER DX STATIONS

**OUT OF ORDER!**  
**REPAIRS TO BE COMPLETED BY SEP-**  
**TEMBER ISSUE**

## 280 NEW STATIONS

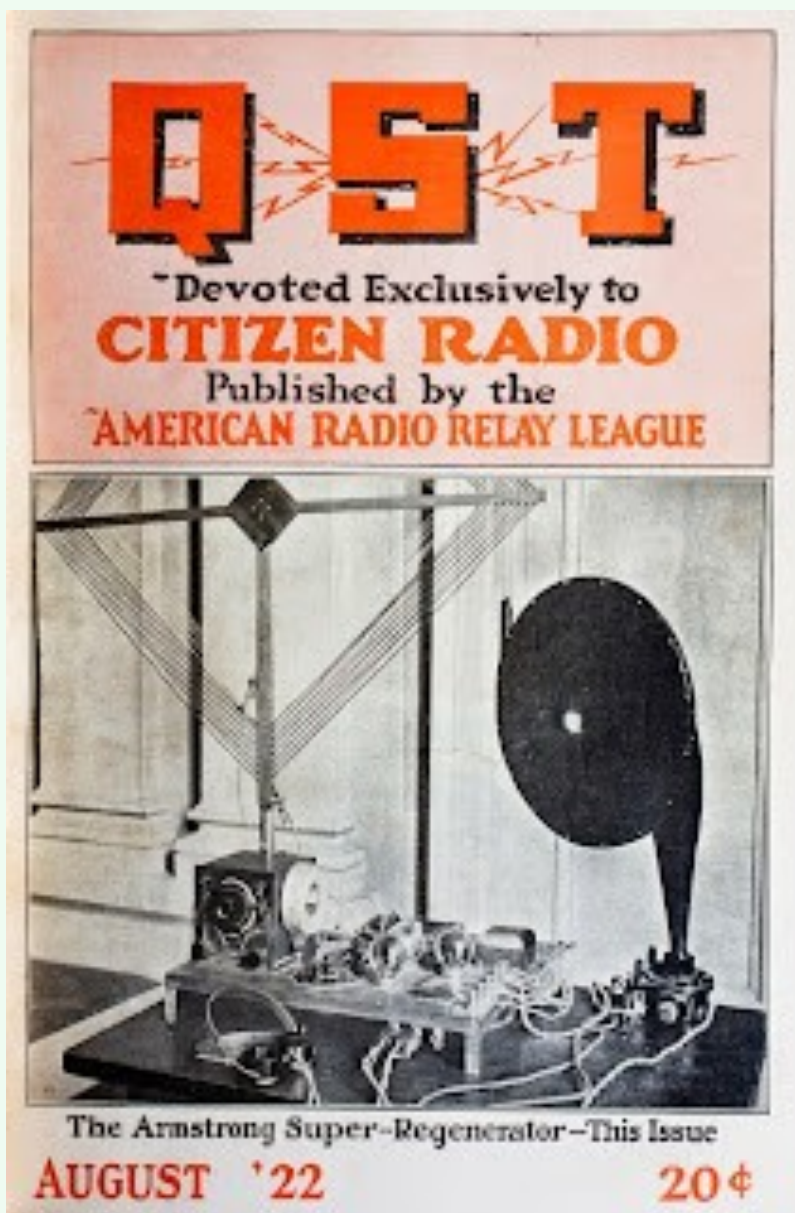
AA2KV	K9TPT	KC8ZRE	KF4AHW	KK6HPB	KQ4GMY	N7BSH	W6CEC		
AA4JJ	K9UNT	KC9DSP	KF5FWR	KK7CED	KQ4HLZ	N7CCW	W6OGX		
AA4WL	KA3UFV	KC9LER	KF5JIX	KK7CLN	KQ4IJW	N7JCX	W6YDK		
AB0HX	KA4ACE	KC9WWS	KF7KAT	KK7HSO	KQ4JFR	N7PLQ	W7CAH		
AC2EV	KA4TLC	KD0GIX	KF7NWL	KK7IRG	KQ4JPB	N7YES	W8CTF		
AC5P	KA5PXE	KD2IBT	KF7PGP	KK7NKV	KQ4JQN	N7ZEL	W8PRB		
AC6SC	KA6NOC	KD2IOB	KF7UBT	KK7NNE	KV8U	N8DQU	W8RDR		
AE0BE	KA7IMA	KD2THF	KG4BWP	KL4JC	KW0LFY	N8EOD	W8VRX		
AE4DF	KA9QWV	KD4DTR	KG4DCO	KM4FZP	KY4IO	N8FM	W9ARS		
AE5SR	KB0FJB	KD5FWB	KG4SBW	KM6IHH	KY4KSP	N8KZZ	W9KMH		
AG5BB	KB0UOZ	KD6WIQ	KG5BON	KN4GLF	N0MGY	N9CWW	W9PDP		
AI7QV	KB2PIZ	KD8NZX	KG5SDB	KN4GPX	N0SAJ	NC8F	WA2GKH		
K0AAG	KB2TC	KD8VNS	KG7OEC	KN4NQJ	N0TR	NK3Q	WA2LOT		
K0RPL	KB3SSZ	KD9GVK	KI4NZS	KN4UXO	N0WYO	VA3EKO	WA4JMS		
K1AZE	KB4EJT	KD9KEA	KI5GCK	KN5Y	N1MRK	VY1HRP	WA7GOB		
K1SSG	KB5YPN	KD9OIQ	KI5ITL	KN6UNL	N2LCJ	W0JEZ	WB3EMH		
K2DBC	KB7BIB	KD9WNX	KI5QXJ	KN6ZHJ	N2SRI	W0KRT	WB4IVG		
K2JLV	KB8PRU	KD9YBZ	KI5RRX	KO4AUO	N2WUS	W1DTX	WB4LAF		
K2OHK	KC0WRE	KE0GIX	KI5SOK	KO4CEZ	N3DNM	W1JPP	WB4ZAR		
K3CRM	KC3BCX	KE0VDI	KI5YKQ	KO4DPU	N3JDZ	W1OL	WB6KIO		
K4ATV	KC3HDT	KE2BLS	KI5ZND	KO4FQY	N3KLW	W3BAX	WB8LZR		
K4AX	KC3JKJ	KE4HVT	KI6QLM	KO4LKP	N3NRT	W3DMC	WD7N		
K4FIL	KC3SRR	KE4IFI	KI7HCK	KO4MRI	N3YHM	W3RKI	WD8MWS		
K4FIO	KC3VDU	KE4ZPS	KJ4DIO	KO4NKY	N4BVT	W3ZOO	WD8RUW		
K4FZG	KC3WCG	KE5BGG	KJ4POP	KO4PDI	N4DPU	W4BZM	WE5B		
K4INU	KC3WCJ	KE7NLU	KJ4TLS	KO4ZDC	N4DRB	W4JWM	WG4LT		
K4JUJ	KC3WFQ	KE8KNX	KJ4YEV	KO4ZVZ	N4EH	W4NHO	WH6GVN		
K5CV	KC4RD	KE8URV	KJ5AUR	KO6AFN	N4EVA	W4SAL	WK5J		
K5HAM	KC4YAO	KE8UUJ	KJ5BBT	KQ4ALS	N4FLG	W5ALJ	WO0ELK		
K6PRM	KC5BCA	KF0ARL	KJ5BBZ	KQ4ASW	N4NRY	W5FJF	WS2Q		
K7VIA	KC5RJL	KF0JFQ	KJ6AHT	KQ4CHU	N4WJK	W5GFM	WS5J		
K8UHN	KC5THR	KF0KCA	KJ7EXD	KQ4CI	N5BT	W5GWR	WV8RM		
K8ZRH	KC6ART	KF0LHS	KJ7OZT	KQ4FPS	N5BWC	W5JWP	WW4ZT		
K9CUV	KC7MS	KF0LKG	KJ7WWO	KQ4GCN	N5HTX	W5NOD	WX4KXT		
K9DXW	KC7TJS	KF3DJ	KK4KMO	KQ4GFE	N5UAC	W5WL	WZ9Y		

## Unique Check-Ins By State and SSB Net

### July, 2023

State	75M SSB EARLY	75M SSB LATE	40M SSB EARLY	40M SSB LATE	20M SSB	State	75M SSB EARLY	75M SSB LATE	40M SSB EARLY	40M SSB LATE	20M SSB
Alabama	2	2	6	2	1	Montana	0	0	0	3	1
Alaska	0	0	0	1	1	North Carolina	4	4	16	9	3
Arkansas	0	0	8	1	0	North Dakota	0	0	1	1	0
Arizona	0	0	2	4	1	Nebraska	0	0	3	0	0
California	0	0	0	12	0	New Hampshire	0	0	6	0	0
Colorado	0	2	1	2	1	New Jersey	0	1	4	6	2
Connecticut	0	0	3	1	1	New Mexico	0	0	0	2	2
Delaware	1	0	1	1	0	Nevada	0	0	1	1	0
Florida	3	1	16	9	7	New York	3	1	8	8	2
Georgia	1	1	13	9	0	Ohio	3	1	7	5	4
Hawaii	0	0	0	0	0	Oklahoma	1	1	4	2	0
Iowa	0	0	3	1	1	Oregon	0	0	1	8	0
Idaho	0	2	0	6	0	Pennsylvania	3	0	5	5	3
Illinois	0	0	0	7	2	Rhode Island	0	0	3	1	2
Indiana	1	0	9	5	1	South Carolina	3	1	9	10	2
Kansas	0	0	2	0	6	South Dakota	0	0	3	0	1
Kentucky	0	0	4	4	1	Tennessee	1	0	13	7	1
Louisiana	0	0	4	1	0	Texas	5	2	15	9	6
Massachusetts	1	0	1	1	2	Utah	0	0	1	6	1
Maryland	0	0	1	2	1	Virginia	1	0	6	6	0
Maine	0	0	1	1	1	Vermont	0	0	0	0	0
Michigan	1	3	11	2	3	Washington	0	0	0	7	0
Minnesota	0	3	4	5	0	Wisconsin	1	0	6	4	3
Missouri	1	1	7	6	1	West Virginia	2	0	5	2	1
Mississippi	1	1	3	0	1	Wyoming	1	0	0	5	0

## Exit with a Smile!





# Up Front

## On the Borders

In June 2022, with his old MFJ 40-meter Hamstick mast-mounted to the hitch of his motor home, RV Icemobile IV, John Reisenauer, Jr., KL7JR, got on 40-meter SSB from Four Corners, AZ/CO/NM/UT, for the 3905 Century Club Net, using the special event call K8J/m. He was thrilled to be on the air from a point where four different states converge.

John shares some of his June 2022 contacts at <https://youtu.be/0pVdt7T2ku4>.

Earlier this year, John returned to Four Corners, where he logged more than 600 contacts on the 3904 Century Club Nets.

Four Corners is the only place in the United States where four states meet, making it unique. It's also home to a rich indigenous heritage and to the Navajo Nation, who manage Four Corners Monument Navajo Tribal Park.



▲ Four Corners Monument.

◀ The 40-meter mast on the Icemobile IV.

## Radio Cake

Mose Howard, KB5BV, sent this photo of a cake created by Linda Cronk, KD2ZDF, for the Overlook Mountain Amateur Radio Club's annual Winter Dinner and Social Event held on March 4, 2023. We're told it was just as tasty as it was amazingly crafted.



## First Ham Radio Experience

While on a hunting trip with his dad, Kyle Captain, 8-year-old Gage Captain got an introduction to ham radio from fellow camper Bob Fischer, WB8BEL. Intent on making some off-the-grid contacts, Bob brought along one of his QRP radios. This piqued Gage's interest, and he pulled up his chair to listen. After a short lesson on ham radio, and with guidance from Bob, he made several contacts. Gage is shown holding the QSL he received for his first contact from John Macera, N5DHB.



If you see something ham-related out in the world, take a photo of it and send it to "Up Front" at [upfront@arrl.org](mailto:upfront@arrl.org).