



# The Centurion



## A 3905 Century Club Monthly Newsletter

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## Welcome!

Welcome to the August, 2022 issue of the 3905 Century Club Centurion Newsletter.

Eyeball 2022 has come and gone and it was a great success thanks to Gene W8NET!

I hope everyone got a chance to work all the “Eyeball Mobiles” on the nets. There were lots of great contacts to be made.

If anyone who attended the Eyeball has time to pen an article about their Eyeball experience for publication in the September Issue of the Centurion, that would be much appreciated!

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).

## Farewell Eyeball 2022!

Farewell Eyeball 2022, we barely got to know you! It seemed to be over way too quick! Although I didn't attend in person, I tried to follow all the participants that were mobile on the nets on their way to, then at, and finally on their way home. Thanks for all the great contacts. From the comments on the reflectors, Gene W8NET hosted a helluva Eyeball! Thanks Gene for all the time and hard work you put in to make Eyeball 2022 a SUCCESS!



## Dean's Column

### Notes from the President

By Dean Davis, N7XG



**From the Editor:**

**Dean is on vacation this month and his column will resume in the September Issue.**



# Ben's Column

## Notes from the Awards Secretary

BY BEN GOLDFARB, AE4NT



### The Best Laid Plans of Mice and Men...

Jenny and I were all packed and ready to go to the 2022 edition of the 3905 Century Club Eyeball gathering held in Brimfield, Ohio when the fickle finger of fate flogged this foul old fowl. We were going to leave on Sunday, July 24 to do some camping and hiking before hitting Ohio. However, on the previous Wednesday, I started feeling like I was catching a cold, and on Thursday it got worse. Fearing Covid-19, which I had previously escaped when Jenny caught it in June, I test-

ed negative. But I had no energy and slept for two days. On Sunday, we decided that I would see the doc on Monday, so the initial phase of the trip went out the window.

Doc put me on prednisone and did some blood work, which came back revealing a bacterial infection. So, he put me on antibiotics. I doubted that I would be well enough to make a trip to Ohio, even if I postponed it until Friday, but I continued to hold out hope. Just to be safe, I shipped off the annual awards to Gene Marsh, W8NET, our 2022 Eyeball Host, and I drove over to see Dwight Greenburg, WF4H, to drop off some items for the raffle, including a very nice vintage Zenith Transoceanic H500 that Glenn Silver, KM4P, had donated. Dwight and I discussed the mobile antenna shootout at that time, and jointly concluded that if I could not make the trip, which as it turned out I did not, it would need to be canceled.

That is my biggest regret, and I apologize for the cancellation of this wonderful, albeit star-crossed event. Dwight and I have invested much time and money in preparation for the annual mobile shootout over the past five years, but we have run it only one out of the four years we have been carrying the ball. I am sad that those who eagerly awaited the competition were denied. Nonetheless, I thank Gene for securing a venue and giving us his support all along.

I also missed being involved in the annual awards presentation. However, I will give you a synopsis of the annual presidential awards here.

### Annual Presidential Awards

Each year at the Eyeball, the Club President rewards the major achievers for their performance above and beyond the call of duty for the past year. This year, Dean Davis, KL7OR (formerly N7XG), presented the following awards.

### KD3FM Annual Service Award

**Matt Taylor, K2YS**, has done a yeoman's job of not only creating and maintaining a new website for the Club, but is also the point man on several other IT projects. All this in a year in which his work demands increased, he moved his family from New York to New Jersey, and Covid-19 struck his family. Congratulations, Matt, on a well-deserved award!

### K7MFG Memorial NCS of the Year

**Gary Slagle, K9GWS**, who boasts one of the strongest NCS signals on the East Coast and who moves nets along quickly and effectively, is the deserving recipient of the NCS of the Year Award. Congratulations, Gary!

### W1BML Ambassador Award

This award goes to the individual who has made an outstanding contribution to promote the club and secure new members. **Gary Slagle, K9GWS**, deserves this recognition for the work he has done leading the Membership and Communications Team. Congratulations again, Gary!

### Area Awards Manager of the Year

This award is my personal favorite, as I work with all our diligent area awards managers and sincerely appreciate their efforts. It is hard to choose one from this fine group. This year, **Robert Byers, W4RHB**, is the standout for his work as Fourth Area Awards Manager. Robert is a retired banker who stepped into his volunteer role and required very little coaching or direction. The fourth area awards manager handles more applications than any other area. I have never received a negative comment about any aspect of Robert's performance but have heard many kudos. Congratulations, Robert!

### Mobile of the Year

Back in the day, we used to divide this category into Professional Mobile of the Year and Leisure Mobile of the Year. Many of our professional drivers have retired, so we consolidated this award. This year, **Fred Caswell, K1UU**, generated a huge number of Baker's Dozen Certificates of Appreciation for his mobile work around the country. We thank Fred and congratulate him on this excellent contribution to the members of the Club!

### Rookie NCS of the Year

A new award this year, concocted by President Dean, honors the new NCS who took the ball and ran with it effectively in his or her first year of service. **Katie Gilliam, K4TER**, the cheerful voice of Virginia, takes the honor this year. Congratulations, Katie!

### Eyeball Appreciation Award

Who else? **Gene Marsh, W8NET**, our 2022 host gets this award, which is signed by all attendees. Congratulations, Gene, and thank you for a job well done!

## Preparation-H Award

Just to have a little fun and add some lighthearted humor to the festivities, I concocted this award a few years ago, just as a gag award to be presented to me. That was at the Edmond, OK Eyeball in 2018, but we did not award it because Dean was the new president back then and he did not want the stigma of appearing to be an evil, mean, ungrateful old curmudgeon. However, fast forward to 2022 and Dean was ready for some fun. Who better to receive this annual pain-in-the-ass award than **Ralph Mitchell, KG8WL**, Eighth Area Director, (coincidentally, from Colon, Michigan) who has long served as His Majesty's Loyal Opposition on the Board of Directors? Ralph is also a great guy who can take a joke – as all who witnessed his new master's degree roast in Edmond can attest – and who has contributed much to the Club through the years. Congratulations, I think, Ralph!

That wraps up the top awards for 2022, and in turn, wraps up this month's hastily created column. Jen and I might still salvage part of the planned trip with a visit to my lifelong friends in Pennsylvania in early August, but I will not be doing any radio operating on this trip. Sorry about that!

Stay happy and healthy, all!

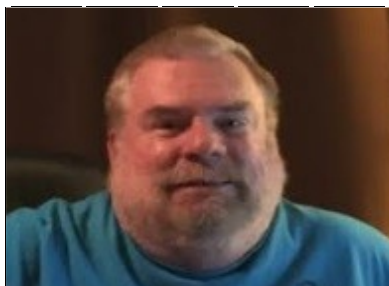
73,

Ben – AE4NT Awards Secretary



## 3905 CC & Using Zoom

By Marty Blaise, AG5T



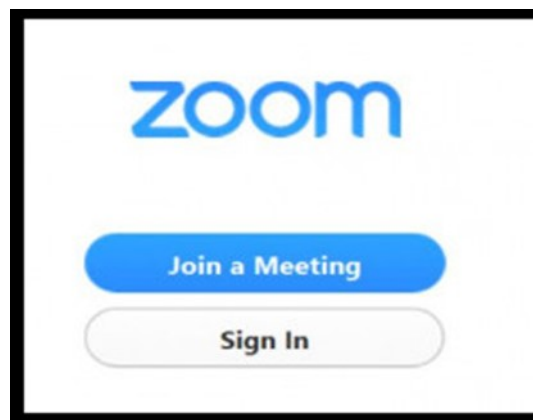
**T**he 3905 Century Club uses Zoom, a video conferencing software application, in several ways. Here is a little about Zoom and how it is used in the club.



### What is Zoom?

- Zoom is a web conferencing platform that is used for audio and/or video conferencing.
- You need a free account to start your own calls for up to one hundred people; paid version up to 1,000 people. And you can join meetings that the host has started (if you are not the host).
- You can make unlimited phone calls, hold unlimited meetings, and even record both (however it has time limitations discussed later in this article).

Zoom launched in 2013 and had a million users by the end of the year. By 2017, the company had a billion-dollar company. Zoom has grown into one of the biggest video conferencing solutions in use today. However, Microsoft Teams seems to be gaining in popularity as a competitor. The way most people know the service is Zoom Meetings. Zoom Meetings are the audio and video conferences that allow two or more people to communicate online. Zoom Meetings happen in the Zoom app (or from a web browser) and can be started and shared by anyone; these meetings can even be started for free via the app, if you have it installed, or via the Zoom web site.



You do not need a paid subscription to start using Zoom. In fact, if someone else sets up the Zoom Meeting and invites you, all you need to do is follow the instructions in the email invitation to start using Zoom. You will need to click a link to install the Zoom app, and then enter the conference code to sign into the meeting to which you have been invited. Sometimes you do not even need the code if it has been set up that way. Zoom offers several Zoom Meeting plans. Basic is free and lets you host meetings with up to one hundred participants, with a limit of 40 minutes per meeting. You can also have an unlimited number of one-on-one meetings. All of these meetings can be audio-only or video conferences. Even at the free account level, you can record and save your meetings, share your desktop with the meeting attendees, and use chat tools during the meeting.

There are two links for 3905 Century Club zoom meetings on the website home page 3905ccn.org – for the board meeting and for the chat meeting. They are right above the net schedules.

Board Meeting Zoom

Wednesday Meetup Zoom

Fri, Jul 08, 2022

18:34

Current Net Schedule

Net Name	Zulu Date/Time	Frequency	NCS	Backup	notes	Checkins
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## 3905 Century Club functions on Zoom

- Board meetings** are held on Zoom. It allows for anyone in any call district and dx in any time zone to join the meeting. voting can be done by Zoom. No interference or static. And everyone can see everyone (if everyone has a camera). The meeting can be recorded and put on YouTube (thank you Sammy, KB1XP). Above is a screen shot from one of the recorded board meetings, showing Ron, WB7ASC. When board votes are taken you can watch each Director, and President and Vice President vote. --- Before there was zoom there was digital chat; and before chat the board meeting was held on the air and had to find clear frequencies (and bands) to conduct the meetings in SSB. Static, interference, time zones, frequencies to use, propagation - all those came into play, -----  
*Note: during the board meeting itself, non-board members are asked not to comment until after the meeting. This is easily done by muting one's microphone.*
- Net controller meetings** - similar to the board meetings, except mostly net control (although some board members are also ncses). A great way to gather all the net



control stations together for information, updates, changes and feedback. All net controls are given a chance to comment.

- **For committee meetings** - K9GWS Gary Slagle uses zoom for Membership Committee meetings (AG5T is a committee member). Gary limits the meetings to one hour, so we stay on focus! Other 3905 committees use zoom as well for their meetings.

- **The IT committee** uses Zoom for its meetings. Every 3905 CC committee can make use of Zoom so that people from different areas can meet at the same UTC time.

- **Right photo:** Screen shot from one of the Wednesday chat meetings on Zoom. Gary K9GWS is the speaker, so he is shown in the large rectangle on the screen. You will see five others at the top including Gary. There are a variety of ways to configure your view screen.



- **Zoom chat** - held every Wednesday afternoon. Chat can range from a power point slide show done about qsl cards (by AG5T) to slides/graphics on how to build and use certain antennas (John, KL7JR and several others). Several antenna projects have been popular. Other club topics have included DX, 3905 awards, the Eyeball, QSL bureau, mobile tips, state lines and trip points, members' Field Day activities and much more. Photos and slide shows are done by sharing your screen. --- Sometimes it is just an open discussion. We are chatting about everything from recipes (JoAnn, AB8YZ is a chef!) to lighthouses (Dwight WF4H updates his latest visits) to weather (everyone) to whatever way the conversation goes. **Politics and controversial topics are definitely to be avoided**, unless maybe you have a controversial antenna... It is always fun to hear what someone is having for dinner in North Carolina (Donnie, KG4ZOD always has good dinner plans) or how much snow Kal N1ABY is getting in Connecticut or Dick WK1J and his adventure with Flex radio. Dean, N7XG, club president, keeps everyone in line!

- **At right** is an example of a Zoom hybrid meeting. Kirk, AA1NA is announcing that the annual 3905 Century Club meeting is about to start. Those on Zoom from home are on the projected image in the background. Others were at the Eyeball in Mississippi. The Ohio Eyeball will use the hybrid format.





## AG5T's 10 tips on 3905 Century Club Zoom meetings:

1. If you are not talking, mute your microphone. If you cough or have a barking dog, everyone will see your face on the screen if you cough etc. Remember zoom can be like VOX, it can be your friend, but it must be used properly. (And I will not even mention if you have been eating beans)
2. If you are leaving a Zoom meeting, the chat function is an effective way to do so if you do not want to interrupt the speaker. Just put a note on chat that you are leaving. It will pop up a small note at the bottom of everyone's screen. Otherwise, you can wait for a pause and say seventy-three.
3. Use headphones that plug into your computer or smartphone so those around you do not have to listen to the Zoom meeting.
4. If you are mobile, use your smartphone, but configure it before driving. Do not set up a phone while driving! I use a phone holder when driving – not a bad thing to invest in.
5. Hybrid Zoom meetings can be tricky, start early to set up the computer, camera, etc. Make sure those at home or offices can hear those in the meeting room.
6. If Windows 11 will not let you install zoom, you can still use Zoom through your browser. Click where it says use browser. (Windows 11 wants you to use Microsoft Teams, a similar program, but zoom and teams do not work with each other, at least not yet)
7. The chat function can be helpful if you want to add a comment with speaking. Your message will beat the “voice pileup.”
8. When you get experienced with Zoom, try using a background image. It can be fun. Just make sure the background doesn't make you disappear into the background!
9. Practice with the “share your screen” – it takes a little practice, but after a while you should have no problem.
10. Try the different layouts and find one you like the best.

Check out this good site for more information on Zoom:

<https://www.pocket-lint.com/apps/news/151426-what-is-zoom-and-how-does-it-work-plus-tips-and-tricks>

73,

Marty AG5T

This is the last episode of Yukon John's, "Go North" road trip. Thanks John for all the great contacts!

## GO NORTH, JOHN! ...Part 4, Home Stretch

By Yukon John, KL7JR

On July 3, I entered [Bryce Canyon National Park](#) on Highway 12 from Capitol Reef NP. It was a short but very scenic drive. There are warning signs all over here to **"Watch for Rattle Snakes"**. The 40m early net was again slow to start. Slow meaning weak



signals, but the 2x2's still look good in the log! NCS was Kirk AA1NA with about 60 check-ins. Great job as usual Kirk. Highlights for me were: working N5KUC on the KS and CO line, and especially a National Park to a National Park contact by KK0SS and KL7JR! Steve KK0SS was mobile Yellowstone National Park, WY and I was also mobile from Bryce Canyon National Park, UT. As far as I know, recently anyway, this was a first for CCN!

On the 40m late net, NCS Bill N9BFI, conditions were better. In the log with much

stronger signal reports, found N0PUI, W9WWG, NI0A, N6GC, K7QHU, W6PNY, KI0Y, N7XG, NM7P, WY6N and the grandmaster himself, N9BFI!

I've never seen so many canyons as along the drive to Bryce Canyon NP. Hence the name I suppose. Early the next morning I set out for [Zion National Park](#). Another short drive, I almost feel guilty! Zion would complete all the National Parks in Utah. They were too easy to do and too easy to pass up.

From Zion NP I signed in to the 40m early net run by Gary K9GWS. It was a bit better propagation-wise than the past couple nights. Gary had around 60 check-ins and I logged most of them.







I don't think those tagged NEW really knew what was going on. Most didn't stick around. On the 40m late net, hosted by Jeff K4JEL, check-ins were down but propagation was up. Go figure.

Back on the road early the next morning I had Icemobile IV south on Hwy 89 then 40 East for [Petrified Forest National Park](#) in Arizona.

The park is "day use only" but a large free RV campground was right at the visitor's center entrance.

Crystal Forest Campground is situated within the park. It wasn't much to crow about (old run-down abandoned RV park!) but it was level and free for self-contained rigs. Across the street was a museum, store and gift-shop run by the Navajo Nation of Arizona. There was also a small RV park there for \$25/night which included a 30 amp electrical service.



### **R/V Icemobile IV set up in the Crystal Forest Campground at the entrance of the Petrified Forest NP Visitors Center in AZ.**

40m Hamstick not installed yet...do I go off the hitch or on the picnic table? Katie K4TER was NCS for the 40m early net. Conditions were rough again but I did make 48 contacts total using KL7JR/m and KL7RST/m.

The 40m late net with NCS Gary K9GWS was fairly quiet and I worked a bunch of the regulars.





**Early morning sunrise over Petrified Forest NP, AZ**

I had to stop. What a spectacular sight!

The early morning found me back on I-40 East then I-25 South for [White Sands National Park](#) in New Mexico. It took around 9 hours with frequent stops for food, fuel and well, you know what, hi hi! I wasn't in any hurry.

The 40m early net by Lisa KC1YL was full of S7 QRN for me at White Sands NP. Contacts were few but by the end of round 2 I had 24 log entries. I really wanted to contact Fred K1UU at Fundy NP in New Brunswick for the 2<sup>nd</sup> CCN NP to NP contact but just couldn't hear him. We both tried a couple of times. It was great to log KK0SS/m UT and we joked about who is following who!

I'm looking forward to sleeping in tomorrow as I have about 200 miles to [Guadalupe Mountain NP](#) in TX. The next day my drive will be much shorter to [Carlsbad Caverns NP](#) in NM. I'm then about 1500 miles to home.



**From I-25 South on I had this overwhelming sensation of alienation, hi hi!**





From Guadalupe NP, TX and Carlsbad Caverns NP, NM I experienced about the same propagation characteristics. Bob KI7PM managed the 40m early net and Dean N7XG had the late net while I was at Guadalupe NP. AB8YZ, K4JEL, N6GC, WY6N, K9GWS and N7XG were extremely loud over my S7 noise level. Around 100 contacts were made using KL7JR/m and KL7CCN/m on both nets plus I then went portable on round 2 of late net. This was my first TX operation.



Carlsbad Caverns NP is about 27 miles from Carlsbad, NM. From Carlsbad Caverns NP I made over 60 contacts as KL7JR/K7ICE/m NM. K4JEL commanded the 40m early net. The highlight for me was finally working K1UU who was mobile from Prince Edward Island NP in PEI, Canada. This was my 3<sup>rd</sup> NP to NP contact on this trip.

On July 10, R/V Icemobile IV began the 1500-mile trek back to SC. I had a great time and sometimes under very trying conditions. I lost my voice from a couple of parks yelling 22, 22, rrrrifle shot 22, hi hi! Thanks to all the net control stations for your service. And special thanks to Sammy, KB1XP for piecing all my jpg and mov files for the trip video, *GO NORTH, JOHN!* which he'll release soon.

## KL7JR Trip Stats “2022 Road Trip”

46 Days out

10,440 Miles driven

\$4,000 fuel cost

\$2,500 camping fees and misc. costs

13 States activated

4 Provinces activated (MB, SK, AB and BC)

21 US National Parks activated

8 Canadian National Parks activated

4 Boundaries activated (IL/IN, MT/SK, MT/AB and 4 Corners)

3 Glaciers activated

3 basic Special Event stations used (K4K, N2P and K8J)

9 basic Club Stations used (only need cards for KL7RST)

3,196 Total QSO count

3 National Park to National Park contacts...KK0SS/m at Yellowstone NP, WY and KL7JR/m at Bryce Canyon NP, UT (first for CCN?) and NM7P/p at Yellowstone NP, WY with KL7JR/m at Guadalupe Mtns. NP, TX and K1UU/m Prince Edward Island NP, PEI with KL7JR/m at Carlsbad Caverns NP, NM!

Contacts dwindled the further west I went through Canada but increased as I went south through WA state to home. If you didn't see me on AIM I didn't have the internet. I had Netlogger on my cell phone about half the time I experienced no internet (but no AIM?) which helped during the nets. The trip was fun but often challenging due to changing propagation, weather and road conditions. Thanks to all who chased me!

73 de "Yukon John" KL7JR

## 3905 Century Club

*Word search  
designed by AG5T*

D	E	O	E	L	I	B	O	M	L	E	C	S	E
N	T	T	N	I	O	P	I	R	T	D	E	T	E
A	E	D	P	U	C	S	T	K	E	O	R	A	I
H	L	L	P	C	O	E	T	B	I	C	P	T	R
A	O	D	E	S	R	T	N	E	S	O	R	E	M
M	P	T	N	D	K	T	I	T	N	N	Q	S	O
S	I	P	L	O	B	M	O	C	U	T	D	Y	I
R	D	E	O	L	R	T	T	Y	O	R	K	O	D
R	E	M	I	T	D	L	O	L	E	O	I	O	A
P	N	O	G	N	I	G	G	O	L	L	O	O	R
N	A	N	T	E	N	N	A	O	I	C	E	C	N
S	S	K	R	A	P	D	E	Y	E	B	A	L	L
Z	O	O	M	O	T	N	M	A	S	T	E	R	C
T	A	M	P	L	I	F	I	E	R	S	O	A	T

OLDTIMER  
RTTY  
PSK  
MOBILE  
NETS  
LOGGING  
PARKS  
CENTURION  
DIPOLE  
CODE  
RADIO  
ZOOM  
AMPLIFIER  
STATES  
QRP  
TRIPOINT  
COMBO  
EYEBALL  
ANTENNA  
MASTER  
HAMS  
CONTROL

Play this puzzle online at : <https://thewordsearch.com/puzzle/3831190/>

## August 2022 Contests

Contests in August that could impact net operations:



- **North American QSO Party, CW:** 1800Z, Aug 6 to 0559Z, Aug 7
- **WAE DX Contest, CW:** 0000Z, Aug 13 to 2359Z, Aug 14
- **North American QSO Party, SSB:** 1800Z, Aug 20 to 0559Z, Aug 21
- **CVA DX Contest, CW:** 2100Z, Aug 20 to 2100Z, Aug 21
- **RTTYOps WW DX RTTY Contest:** 2200Z, Aug 26 to 1200Z, Aug 27 and 1200Z-2359Z, Aug 28
- **CVA DX Contest, SSB:** 2100Z, Aug 27 to 2100Z, Aug 28

## August 2022 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.

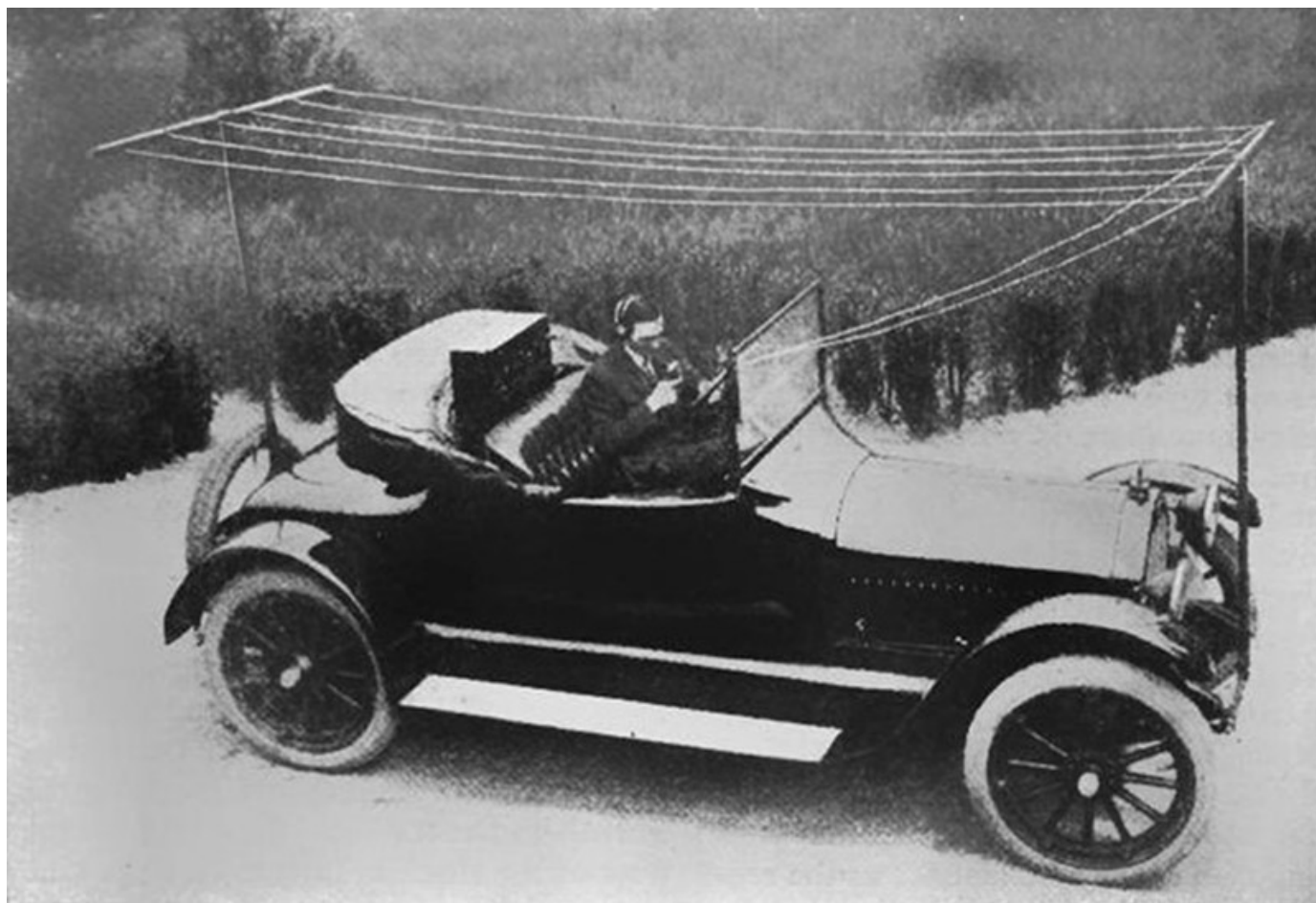
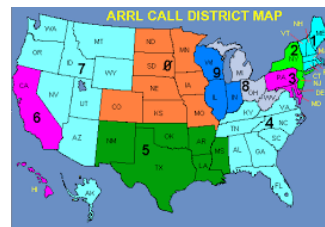
- **3905CCN Board Meeting: Saturday August 13, 2022**



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

## Road Trips!

After all the great road trips that graced these pages over this spring and summer, we have no reported road trips for August. Be sure to check the reflectors often to catch notice of members making a spontaneous trip!



## Ham Radio Mobile Operations Circa 1919



## 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.

**FOR SALE**  
**HAM GEAR**



**SAVE** on Yaesu Gear!

Use discount code: **CC22**

Expires 12/31/22. Valid online only. Valid on new Yaesu gear only.

**YAESU**  
The radio

Yaesu FT-5DR

Yaesu FTM-400XD

Yaesu FT-2980R

Yaesu FT-DX101D

**GigaParts**  
Technology Superstore

The advertisement features a green and yellow background with various electronic symbols. It displays four Yaesu radio models: the FT-5DR (a handheld VHF/UHF transceiver), the FTM-400XD (a dual-band mobile transceiver), the FT-2980R (a base station transceiver with a microphone), and the FT-DX101D (a high-performance HF transceiver). Each model is shown with its name in a white box below it. The GigaParts logo is prominently displayed at the bottom center.

## Fun Facts About Our Nets In July

Did you know we had **583 unique U.S. Stations** that checked into our nets during the month of July. Check to see if you made the list!

### Unique U.S. Stations on the Net for the Month of July, 2022

AA0BH	K2WAS	K7RAN	KC1PEB	KD8TQY	KG4GTR	KN4KYZ	KY4FF	N9SES	W4TIP	WB2AFC
AA0HF	K2YS	K7TSW	KC1QXV	KD8YWF	KG4RJU	KN4LGM	KY4OX	N9SQQ	W4U	WB2LZM
AA0ZP	K3CD	K8BV	KC1YL	KD8ZRL	KG4ZOD	KN4PIB	N0GEW	N9VDT	W4ZAA	WB2YHK
AA1AL	K3DUH	K8E	KC2BNW	KD9APD	KG5CFG	KN4RHM	N0PUI	N9WQ	W5BUS	WB3CGH
AA1NA	K3KCB	K8EG	KC2DAQ	KD9DLE	KG5HYI	KN4RNL	N0SAJ	NA9G	W5DXR	WB4MMM
AA1PB	K3RJW	K8EJU	KC2FIT	KD9DST	KG6B	KN4RUZ	N0SEX	NC8I	W5FLY	WB4QBD
AA1XV	K3RTA	K8GIB	KC2MMC	KD9PXZ	KG8WL	KN4STX	N0SJ	NE0A	W5FYR	WB6JUI
AA2PR	K3UHU	K8ICE	KC2MRW	KD9RNX	KG9PN	KN4SUB	N0YPA	NG1V	W5HRP	WB8DHG
AA6X	K3UNX	K8JCR	KC3IBH	KD9UOB	KI0HA	KN4UTR	N1ABY	NI0A	W5HWZ	WB8MIW
AB0DK	K4BBR	K8MSF	KC3QYE	KD9VBY	KI0Y	KN4YYB	N1DCE	NK4T	W5JAM	WC0Q
AB1ZN	K4CCN	K8SEL	KC3SDJ	KE0CFT	KI4CGI	KN6QNJ	N1EJH	NL7HH	W5NA	WD0J
AB5SJ	K4HHA	K8SSN	KC3TAU	KE0FOU	KI4FSZ	KN6RSX	N1PGF	NM7P	W5NQH	W5JB
AB8LH	K4HXV	K8TA	KC3TIU	KE0QWP	KI4NHF	KN6Z	N1UIL	NN9T	W5OLA	WE4H
AB8SX	K4HZN	K9DBB	KC3TQT	KE0SPN	KI4WCQ	KN9J	N2FSH	NO2CC	W5TLJ	WE6M
AB8YZ	K4JEL	K9GWS	KC3TUY	KE0YYH	KI4YTV	KO2LA	N2IGW	NP2D	W5UOT	WF4H
AB9ST	K4JOH	K9HKS	KC3UHW	KE1AF	KI5CHB	KO4AIL	N2OWE	NQ0RC	W5VRX	WF4ROG
AC2MT	K4LO	K9HOU	KC3YYZ	KE3UY	KI5DQ	KO4DBO	N2QIL	VE8AU	W6ALG	WG0I
AC3IV	K4PSC	K9MOE	KC5BFK	KE4CXJ	KI5LZW	KO4DHA	N2RTS	VE8RST	W6EMS	WI9CE
AC7DW	K4PVK	K9TNT	KC5EDL	KE4DRB	KI5PED	KO4EVE	N2TEK	VY0RST	W6IKE	WK1J
AD0RK	K4RJT	KA0SLD	KC5VAE	KE4VIS	KI5RBC	KO4FBM	N2VU	W0ANV	W6OYW	WK5S
AD3C	K4RWS	KA0SOH	KC8HDI	KE5AGD	KI5THB	KO4FH	N2XTT	W0DCB	W6PNY	WN0P
AD4FL	K4TER	KA1FLH	KC8JFP	KE5BGH	KI5UOP	KO4FUD	N3MRA	W0FLZ	W7GLS	WN1F
AD5XD	K4TPH	KA1GHF	KC8MQO	KE5MWQ	KI5YYZ	KO4HMX	N3VEJ	W0JKT	W7PML	WN8SCI
AE0S	K4VOT	KA2YDS	KC8RJH	KE6MAE	KI6TND	KO4JW	N3WD	W0RCF	W7SCD	WR3V
AE3NE	K4VTE	KA3VIS	KC9JQN	KE6TCU	KI7NOB	KO4KWP	N4EEE	W0SDK	W8BI	WR8WM
AE4NT	K4VVE	KA4EVR	KC9LFD	KE7R	KI7PM	KO4LZZ	N4FBM	W1GBA	W8DDS	WU2T
AE4YP	K4ZH	KA6AKH	KC9OSY	KE7RG	KJ4EU	KO4MAG	N4J	W1IP	W8E	WV0U
AF1RO	K50	KA7SSR	KC9TRV	KE8HRW	KJ4JMT	KO4MNB	N4JHS	W1KRI	W8HQ	WW0DB
AF2B	K5AVL	KA8GOV	KD0QVH	KE8HZZ	KJ4OFD	KO4MWG	N4SHB	W1LOG	W8JCS	WW2BLS
AF5NN	K5CPL	KB1RVU	KD0WGB	KE8IUB	KJ4RM	KO4NRT	N4SKI	W1OO	W8NET	WW4RX
AF5P	K5DKS	KB1XP	KD1JL	KE8IYS	KJ6EEP	KO4PYV	N4U	W1PPL	W9BLI	WW5DD
AG4RO	K5DUG	KB2ENF	KD2DMR	KE8LGC	KJ6NON	KO4PZX	N4YDQ	W1SDC	W9RDJ	WX4JEB
AG5T	K5DXS	KB2KWD	KD2HCE	KE8NLY	KJ7ODB	KO4RIK	N4ZMP	W1USB	W9ROG	WY6N
AG5Z	K5E	KB2MN	KD2HPQ	KE8PJL	KJ7VJB	KO4SOW	N5BLV	W2AQ	W9WWG	
AI4JI	K5F	KB2RTI	KD2PTX	KE8QAS	KJ7ZMQ	KO4TRA	N5DY	W2DJG	W9ZZ	
AI4K	K5GEB	KB2TXH	KD2RLB	KE8RQR	KK0KS	KO4WTG	N5EDG	W2EO	WA0O	
AI8O	K5HYC	KB3LPE	KD2RUI	KE8RRG	KK0SS	KO4YLX	N5KON	W2JLD	WA0ROH	
AI8W	K5MWA	KB3OCT	KD2TZX	KE8SRK	KK2M	KO4YXJ	N5KUC	W2RCH	WA0YMC	
AI9N	K5O	KB4IPA	KD2YCK	KE8SXM	KK4QKW	KO4ZJX	N5LMB	W2TI	WA1ITU	
AJ4RM	K5PTG	KB4RGK	KD2YST	KE8UNW	KK4TE	KO4ZRX	N5OHL	W2WCM	WA1LNY	
AK1NH	K5RCQ	KB5IOC	KD3ANX	KE8UXW	KK4VQV	KQ4AMQ	N5WGA	W3AAB	WA1MAD	
AK1SS	K5RFO	KB5NMK	KD4GUB	KF0ACS	KK4WYR	KQ4BAP	N6EFR	W3AAX	WA2BTC	
AK5CT	K5VG	KB5RFT	KD4KJG	KF0BFU	KL7CCN	KQ4BQV	N6GC	W3FT	WA2QOF	
K0BCD	K5WEL	KB5TWL	KD4LMU	KF0GEX	KL7JR	KQ4BXT	N6MEJ	W3JEB	WA3CUC	
K0GLT	K6J	KB5TXS	KD4TZW	KF0HUK	KL7MR	KR0DS	N6VF	W3LHD	WA3GIN	
K0GWB	K6LJU	KB8UEY	KD4VZI	KF4AHW	KL7OR	KS0TOR	N7ENS	W3Q	WA4BEB	
K0OKE	K6SDM	KB8UGP	KD5AUU	KF4KFL	KL7RST	KS9WI	N7FAM	W4CBH	WA4BKL	
K1CCN	K6ZK	KB9JDB	KD5EYC	KF4WNU	KM4AJP	KT4VK	N7RCE	W4CPO	WA4FQZ	
K1KTF	K7DDE	KB9LXM	KD6MCX	KF4YOO	KM4DCQ	KU1V	N7SNT	W4EVT	WA4NID	
K1OIQ	K7ICE	KB9VHJ	KD7SXH	KF4ZCL	KM4P	KU4AC	N7XG	W4KSA	WA4QBE	
K1TCP	K7IUQ	KC0DVV	KD8AA	KF5GCB	KM4WMC	KU8RLY	N7ZS	W4MUF	WA5LB	
K1WV	K7MKA	KC0MS	KD8NKK	KF5GTX	KM4YMI	KV0H	N8BF	W4OEQ	WA5YNE	
K2E	K7O	KC1BLP	KD8SAV	KF5RIC	KM4YVX	KW4JMH	N8RWE	W4PRK	WA6LBU	
K2LED	K7ONY	KC1DBR	KD8SSL	KF5XX	KN4CQB	KX4RM	N9BFI	W4RFL	WA8OOM	
K2SFS	K7QHU	KC1OPD	KD8TJB	KG4DJD	KN4HND	KY1KY	N9QA	W4RHB	WA9DDK	

Did you know we had 37 unique DX Stations that checked into our nets during the month of July. There were 28 Canadian DX stations and 9 Other DX stations. As for new stations, we had 240 unique new stations check into the nets in July.

### 28 CANADIAN DX STATIONS

AC1UB	VE3BEC	VE3SIQ
K1UU	VE3CMB	VE3YHP
KU1V	VE3DDY	VE3YWN
VA3LVW	VE3HBH	VE3ZSZ
VA3SPN	VE3HMK	VG3TUV
VA3TUV	VE3IXR	VO1SW
VA3XJG	VE3KJZ	VX3CMB
VA3YKT	VE3OHC	VX3KUZ
VE1AS	VE3RR	
VE1QFA	VE3RYI	

### 9 OTHER DX STATIONS

CO6DE
DL5QY
ON7HJA
PJ7AR
V44IR
V44KEN
VE2EZX
WB2HRA
WB4SPT

### 275 NEW STATIONS

AA1XV	K5PTG	KC3TAU	KE5AGD	KI6TND	KO4RIK	NA9G	WA1MAD
AA6X	K5RCQ	KC3TIU	KE5BGH	KJ4EU	KO4WTG	PJ7AR	WA2BTC
AB1ZN	K5RFO	KC3TQT	KE6MAE	KJ4JMT	KO4YLX	VA3SPN	WA2QOF
AB8LH	K6SDM	KC3TUY	KE6TCU	KJ6NON	KO4YXJ	VE1QFA	WA3CUC
AB8SX	K6ZK	KC3UHW	KE8HRW	KJ7VJB	KO4ZJX	VE3DDY	WA3GIN
AB9ST	K7DDE	KC3YYZ	KE8HZZ	KJ7ZMQ	KO4ZRX	VE3HBH	WA5LB
AC3IV	K8EJU	KC5VAE	KE8IUB	KK4QKW	KQ4AMQ	W0DCB	WA9DDK
AE4YP	K8JCR	KC8HDI	KE8PJL	KK4VQV	KQ4BAP	W0RCF	WB4MMW
AF1RO	K8SEL	KC8MQO	KE8QAS	KL7MR	KQ4BQV	W0SDK	WB6JUI
AG4RO	K9HOU	KC9TRV	KE8RQR	KM4AJP	KQ4BXT	W1GBA	WB8DHG
AI9N	KA1GHF	KD0QVH	KE8SRK	KM4WMC	KS0TOR	W1KRI	WB8MIW
AJ4RM	KA3VIS	KD2RLB	KE8SXM	KN4PIB	KT4VK	W1PPL	WD5JB
AK1NH	KA7SSR	KD2RUI	KE8UNW	KN4RHM	KU4AC	W1SDC	WN8SCI
AK5CT	KA8GOV	KD2TZX	KE8UXW	KN4RUZ	KW4JMH	W2AQ	WW2BLS
K0BCD	KB2RTI	KD2YST	KF0ACS	KN4STX	KX4RM	W3AAX	WW4RX
K0GLT	KB2TXX	KD4KJG	KF0GEX	KN4SUB	N0SAJ	W3JEB	
K0GWB	KB3LPE	KD4LMU	KF4AHW	KN4UTR	N1DCE	W3LHD	
K1OIQ	KB4IPA	KD4TZW	KF4WNU	KN4YYB	N1EJH	W4EVT	
K1TCP	KB5IOC	KD4VZI	KF4ZCL	KN6RSX	N2TEK	W4KSA	
K3KCB	KB5NMK	KD5AUU	KF5GCB	KN6Z	N2VU	W4OEQ	
K3RJW	KB5RFT	KD5EYC	KF5RIC	KN9J	N4EEE	W4RFL	
K3RTA	KB5TWL	KD6MCX	KF5XX	KO2LA	N4JHS	W4ZAA	
K4BBR	KB5TXS	KD8SSL	KG4RJU	KO4AIL	N4SHB	W5DXR	
K4HXV	KB9LXM	KD9PXZ	KG5CFG	KO4DBO	N4ZMP	W5HWZ	
K4HZN	KB9VHJ	KD9RNX	KG5HYI	KO4EVE	N5KON	W5NQH	
K4JOH	KC0DVV	KD9UOB	KG6B	KO4FBM	N6MEJ	W5TLJ	
K4PSC	KC1OPD	KD9VBY	KG9PN	KO4FUD	N7ENS	W5VRX	
K4ZH	KC1PEB	KE0FOU	KI4NHF	KO4HMX	N7FAM	W6ALG	
K5AVL	KC2BNW	KE0QWP	KI5CHB	KO4JW	N8BF	W6IKE	
K5CPL	KC2FIT	KE0YYH	KI5PED	KO4KWP	N8RWE	W6OYW	
K5DKS	KC2MRW	KE4CXJ	KI5UOP	KO4MAG	N9QA	W7SCD	
K5MWA	KC3SDJ	KE4DRB	KI5YYZ	KO4MNB	N9WQ	W9RDJ	



## Exit with a Smile!

One of my favorite catalogs back in the day!

