

# County Hunter News

August 2022  
Volume 18 Issue 8

Welcome to the On-Line County Hunter News, a monthly publication for those interested in ham radio county hunting, with an orientation toward CW operation. We also cover some park chasing activities these days. Contributions of articles, stories, letters, and pictures to the editor are welcomed, and may be included in future issues at the editor's discretion.

The County Hunter News will provide you with interesting, thought provoking articles, articles of county hunting history, or about county hunters or events, ham radio or electronics history, general ham radio interest, and provide news of upcoming operating events.

We hope you will enjoy the County Hunter News. Feel free to forward, or provide links. Permission is given for copying or quoting in part or all provided credit is given to the CHNews and to the author of article.

CW County Hunter Frequencies are 14.0565, 10.124.5, and 7056.5, with activity occasionally on 3556.5 KHz. Also, there is SSB activity now occasionally on 7188 KHz. The CW folks are now pioneering 17M operation on 18.0915. (21.0565, 24.9155, and 28.0565 when sunspots better). Look around 18136 or for occasional 17M SSB runs usually after the run on 20M SSB . (21.336 and 28.336)

You can see live spots of county hunter activity at [ch.W6RK.com](http://ch.W6RK.com)

For information on county hunting, check out the following resources:

The USACA award is sponsored by CQ Magazine. Rules and information are here:

<http://countyhunter.com/cq.htm>

For general information FAQ on County Hunting, check out:

<http://countyhunter.com/whatis.htm>

MARAC sponsors an award program for many other county hunting awards. You can

find information on these awards and the rules at:

<http://marac.org/awards.pdf>

There is a lot more information at [www.countyhunter.com](http://www.countyhunter.com) . Please check it out.

Back issues of the County Hunter News are available at [www.CHNewsonline.com](http://www.CHNewsonline.com)

De N4CD, Bob Voss, Editor (email: [telegraphy@verizon.net](mailto:telegraphy@verizon.net) )

## Notes from the Editor

### N4CD Rumblings

**1) Sunspots** – We got them. Many days 15M listed as 'good' and 10M as fair. Some good E skip openings and apparently some F layer skip too. Lots working JA's on 6m FT-8 from the US. Some days with 'short skip' on 20M. On the other hand, 40M is often in the dumper and not good during the day other than short local but back east still lots of day time communications. At the beginning of month, several days of 'storms' and A index up at 20, K=3 at times. Two hours later, K back to 1. Then some days of K=4 and 5. At that level, the bands seem 'dead'.

Still lots of parks on the air and contacts being made. We're in the summer doldrums. 20M good at night/evenings/mornings and poops out mid day. Conditions 'good' at times on 15 and 17, but skip longer. Occasionally up to 'fair' on 10m and lots of FT-8 there. Six meters has been popping open and thousands of FT-8 contacts made to Europe and Japan.

One of the not so great days in July

Solar-Terrestrial Data - click to add to web site						
21 Jul 2022 1942 GMT	Condition	K-In	A-In	Calculated Conditions		
SFI: 133 SN: 124	Quiet	0-2	0-7	Band	Day	Night
A-Index: 7	Unsettled	3	8-15	80n-40n:	Poor	Poor
K-Index: 5 / PIntry	Active	4	16-29	30n-20n:	Poor	Poor
X-Ray: B8.3	Minor storm	5	30-49	17n-15n:	Fair	Fair
304A: 130.4 @ SEM	Major storm	6	50-99	12n-10n:	Fair	Poor
	Severe storm	7-9	>100	Sig Noise Lvl:	S4-S6	
SFI>180 A<8 K<3=E-W open SFI>180 A<8 K>3=N-S open SFI>250 A>30 K>3=Aurora						
<a href="http://www.n0nbh.com">http://www.n0nbh.com</a> - Copyright Paul L Herrman 2021						

Youch! K=5! Sunspot numbers good, SFI good but lower bands just crap! Noise level S4-6. Might as well stay home on days like this!

2 ) **Gas Prices** – since mid June, here the price of gas has dropped from \$4.80 to \$3.80 or so, \$3.60 at Costco. Around the country, average of about \$4 to \$4.50/gal, other than California, Oregon and rural areas.

3 ) **Covid** – coming back on a 'wave' and a new variant – Centurion – is now starting. Most of it is now BA5 variant but it mutates every couple months. If you travel in groups, take air flights, ride trains cross country, watch out. Lots of reports of problems. Hospitals once again filling up.

4 ) **Trips** – the N4CD mobile has been staying close to home in record heat in TX. There aren't any events to get me going places – and covid is still a factor of going anywhere with a 'crowd' such as an indoor hamfest or event. Wish that was all over, but it isn't.

I keep seeing reports on various other boards where folks seem to catch COVID on airline flights regularly. Spend a few hours on a plane where most folks don't mask these days, even if you wear a mask except to eat/drink, and you might not escape a case of COVID. President Biden just caught a case – too much exposure to 'crowds' on his tours and speeches and events.

More days over 100 F in 50 years and it just keeps on coming in TX. Up to 109F here, near the record for some days and breaking it a few times. Arizona baking at the normal 115F type levels.

I make it over to Spring Creek State Forest Preserve on Wednesdays for the CW Test (1300z to 1400z) to keep the mobile/radio going, put 40-50 QSOs in the log from there, It zips along at 25+ wpm, but short contacts exchanging name and CWT number (or state if none) but not much else mobile wise. Other than the mountains in CO or NM, there's nothing 'cool' within 500-600 mile drive and those are at elevations of 8000 feet

and more. Even the east coast has had 'heat waves'.

Toward the end of the month, 160 million folks were seeing the 'heat wave' with temps over 90 approaching 100 and 'feels like temps' above 100. 1935 was a worse year than this year for heat. I'm getting tired of day after day of 100 type temps but I've got to go 500+ miles to get to cooler locales – like the mountains of NM and CO. So I tend to hibernate at home this summer.

One reason for the near record high temps this summer is – lack of pollution! As coal fired plants are retired around the country, the air is 'cleaner' than years past. Existing remaining coal plants now have efficient 'scrubbers' to reduce any pollution. That lets more sunlight hit the ground – and more heat! So while folks appreciate the clearer skies – they might not appreciate the warmer temps that now happen!

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From an article in Scientific American:

“A study published this month in the journal Geophysical Research Letters suggests that eliminating the human emission of aerosols—tiny, air-polluting particles often released by industrial activities—could result in additional global warming of anywhere from half a degree to 1 degree Celsius.

This would virtually ensure that the planet will warm beyond the most stringent climate targets outlined in the Paris climate agreement. World leaders have set an ambitious goal of keeping global temperatures within 1.5 to 2 degrees Celsius of their preindustrial levels.

The research also suggests that removing aerosols could have striking regional consequences by causing major changes in precipitation and other weather patterns in certain parts of the world. Aerosols don't linger in the atmosphere for very long, meaning they don't have time to spread around the world the way carbon dioxide and some other greenhouse gases do. Their effects tend to be strongest in the regions where they were emitted in the first place.

This means the places where air pollution is most severe are likely to experience some of the greatest effects if that pollution were to disappear.”

<https://www.scientificamerican.com/article/cleaning-up-air-pollution-may-strengthen-global-warming/>

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It also turns out the reduced manufacturing due to COVID-19 shutdowns/lockdowns in the USA and China and Russia resulting in less emissions of pollution. With fewer people actually commuting to work -working remotely – that also reduced auto pollution. With mass conversion of coal plants to NG, that dropped emissions tremendously. Unintended consequences!

## MARAC CONVENTION 2022

Sunday October 2nd, 2022 to Thursday October 6th, 2022

Best Western Gran Tree Inn, Bozeman, MT

1325 North 7th Ave. Bozeman, MT 59715

(406) 587-5261

BOOK BEFORE AUG. 1 2022 to guarantee the rates

DO IT NOW - no fee cancellations!

We have 40 rooms reserved, by contract.

details on hotel page

Confirmed Speaker: Brian Bird, NX0X who will speak on the Past, Present and Future of the CQ USA-Counties A

Hospitality Room from 3 pm to 11 pm Sunday, 9 am to 11 pm Monday-Wednesday

- special prizes for early registrants - before July 4th (form and payment received) (prize TBD)

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We're BAAACK !

Donna AG6V, convention host.

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de N4CD

I'm planning to go! Haven't been out west lately and need to run parks in WA, ND, and MT to finish up that area of the country! Over 20 have signed up. Early bird registration (and the prize) ended July 4!

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From AG6V:

The National Convention is Oct 2-6 in Bozeman, MT. Already 20+ people are signed up:

- see who at the Registration Page. Early Bird Registration prizes to people who have their registration form and check in my hands by July 4th.
- Grand Prize and major secondary prize already obtained - no supply chain worries now! Get your discounted hotel room, plan your travel, and come one, come all

## AI5P Trip Report

**Chamizal - El Paso's Geographic Anomaly**



In downtown El Paso, Texas, sits the Chamizal National Memorial. This National Park Service site commemorates a political solution to a rather unique geographic problem.

In 1848 the Treaty of Guadalupe Hidalgo ended the U.S.-Mexican War with Mexico recognizing the Rio Grande River as the Texas-Mexico border. In 1864 massive flooding altered the course of the river, initiating a hundred-year-long dispute about the exact position of the international boundary.

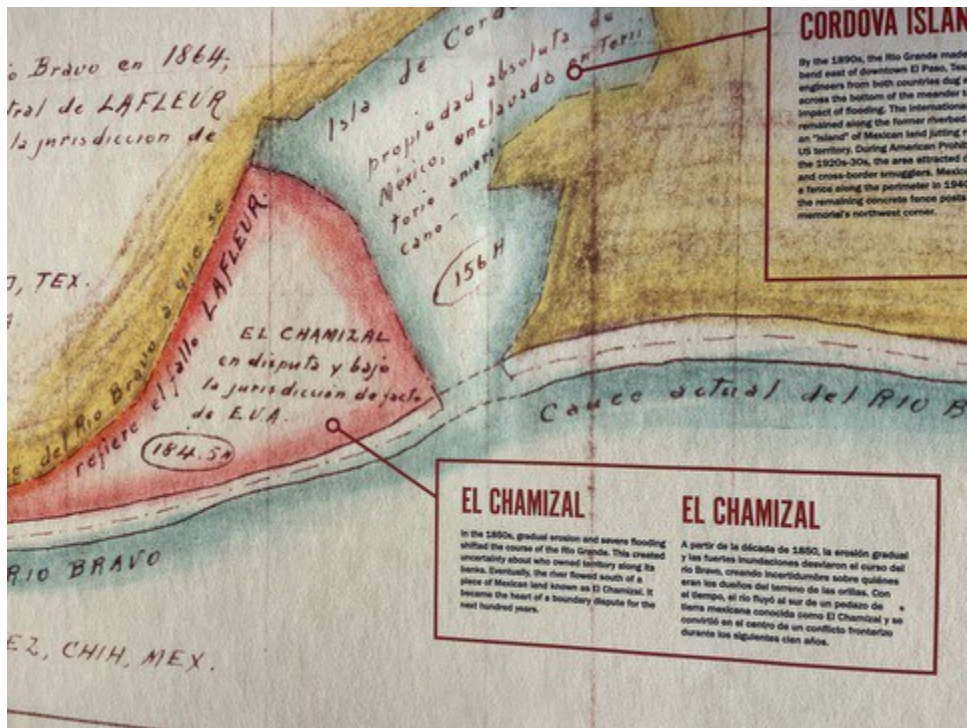
By 1873 the river had moved about 600 acres - cutting off land that was in effect made U.S. territory. The newly exposed land came to be known as El Chamizal, and eventually the land was settled and incorporated as part of El Paso. Both Mexico and the U.S. claimed the land.



Between 1911 and 1963 various presidents made attempts to resolve the issue. A settlement was finally agreed upon by President Kennedy and the treaty was ratified in 1964.

After decades of arguing about who owned a piece of land shaped and reshaped by the meandering Rio Grande, the question was finally settled by diplomacy and technology. The river was constrained within a concrete channel for 4.3 miles, forming a permanent boundary between the two nations. Mexico received about 437 acres of the disputed land and the U.S. around 193 acres.





The Chamizal Convention was not just a land swap; thousands of U.S. citizens who lived in the disputed area were forced to relocate, along with businesses, places of worship, schools and social centers. According to the treaty, the U.S. government reimbursed residents for their property, moving, and other expenses. Most structures were demolished.

This nice park in El Paso County is K-0770 in the Parks on the Air program with an interesting memorial building on former El Chamizal land. Unfortunately, conditions were terrible and I was only able to work 13 stations on 20M SSB and 3 on 20M CW.

Rick AI5P

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## N4CD Trip from the Past

The ARRL Sponsored the National Parks on the Air program in 2016 to commemorate the 100<sup>th</sup> birthday of the National Park Service. It was fantastically popular with thousands participating by putting out the 850 or so parks. As time went on, another 45 were added but not all were run. Many(30) parks in AK were not activated in that year.

from the April 2016 County Hunter News

The opportunity came up to be the FIRST to transmit from one of the national park units – Chamizal Memorial NM03 – out in west Texas. I had been by there a couple weeks before, but had no joy in getting permission to run this 'sensitive site' that day. Back then I laid the groundwork for getting a Special Use Permit (SUP) to be able to run from the mobile in the parking lot. The ARRL officials had put a 'stop' on anyone running this site until the permit process had been worked through by the good folks at Chamizal.

This 55 acre park is right on the border with Mexico, and the park people kept bringing up 'issues with the border patrol' radio systems. And possible radio interference. They do have some sort of site there on the grounds.

From the south part of this park, if you've got a good arm, you can throw a baseball into Mexico over a 30-40 foot high wall across a major highway. So I had to wait to see what would happen. The first time I was there, I could just look around, sit in the parking lot but not 'activate' the site. ARRL would have disqualified operation if you went ahead without permission. Very serious about it.

(The same was true at several other 'sensitive sites' including the OK City Memorial – another N4CD first)

Now, that's a bit strange since last year no one would have been concerned if you used your ham radio in the parking lot. You can transmit from any of the public streets around it – but – someone had asked for permission to set up portable – and that triggered the whole issue. They got a big NO for their wanting to set up a portable station. From then on it was “NO” to any ham radio operation – even from the 300 plus car parking lots in your mobile – till it got 'resolved'. It took more than a month, but

finally by email I filled out forms and got permission to be there on Tuesday 3/15 morning for a couple hours.

Now...I had to get back out the 654 miles from my house to El Paso. The N4CD mobile had just had the oil changed and tires rotated after six weeks of county hunting and park putting out. It's less than two months old. I left myself two days to get there – which means I could drop by two other places and run them again on the way out there. The time had just changed to daylight saving. Dark in the morning for a while – but sunset delayed by an hour. No sweat. I like 'long days' and I don't have to worry about finding a motel by dark. Here sunset is now about 8 pm.

I'd also be hitting a bunch of new 3rd time transmit counties and new ones for the Double Diamond Award on the trip. Come Sunday 3/13 I headed out – stopping in Pecos, TX at the Motel 6 for the day. Still \$60 for the motel but better than the \$100 plus for most of the others in this town along the interstate.

Gas prices had been inching up. **At the start of the trip it was about \$1.80 a gallon and by the time I got home in six days the price was up to just under \$2/gallon.**

That night I headed over to the nearby Denny's for one of their Extreme Skillets – the salmon one. Good. Got some veggies in. The bands were 'fair'. Most days on the trip the A index would be way up there – no great days for propagation, but there were still many contacts with DL3DXX, ON4AAC, DL3IAC, DL6KVA, DL5ME – in the log with a few with SM6VR, LY5A, and of course many county hunters in the US. Terry, WQ7A and Gene, K5GE were around to help out with the Double Diamond (DD) award contacts. Several were active spotters and that is appreciated by the mobiles. You can tell when a spot hits – or doesn't.

Monday 3/14/2016

On the second day of the trip – I zipped on down again to Fort Davis – NS19 – for another 'activation'. It's in Jeff Davis County - so I'd start on the CW county hunter frequencies to 'put it out' then shift on down to 14.041 area for the NPOTA folks. Then to 10121 or so and 7041. Fort Davis is a nicely restored US army (Cavalry) site from the 1860s. I stuck around for about 2 hours then headed over to El Paso via Presideo County, TX. Just a short detour needed to get there. I didn't get much going on SSB on the CH MARAC net frequency. There was either someone yakking on 14.325 all the time, or no one hearing me when I went there and tried to get noticed. After a few tries I just skipped SSB on 14.324 in most counties.

I then headed over to El Paso – way way out in west TX. By the time I get there from my house, I'm already half way to California. Well, I didn't leave enough time for a trip to CA....so I stopped at the Mission Socorro – which goes back to the 1680 time frame. The Church built two missions here to serve a population of Mexican folks who had fled north from instability in their home regions. This site is also on the El Camino del Tierra Aduento – National Historic Trail TR-17, one of the park units the park chasers try to work. I'd have a quick visit, put out TR-17, then head on in to the motel for the night.

The Mission is just a short distance now north of the Rio Grande River – the border with Mexico...and it is in a very urban area. The QRN on 20SSB was a solid continuous S9 – no hope for SSB from there! Ran CW - only S3 noise – got 60 plus contacts, then bugged out. You can run TR-17 up in New Mexico at many quiet spots. Starting in Mexico City, the path of the trail came up through the western part of TX, now El Paso area, in Texas then continued up along the I-25 corridor up to Santa Fe a couple hundred miles to the north. In the 1600s, it was all Mexican territory

Not far away, I checked in at the Super 8 Airport motel - \$46 including tax – senior rate. Wow- it's a big place with over 100 rooms. Dinner was at the nearby – 200 feet away – Village Inn. Had their smothered chicken dinner. It comes with sides – one being broccoli and carrots. Told them to leave off the carrots – and the plate was full of half a pound of broccoli- great. It's good for you and almost no calories. Delicious. Slept well.

Tuesday - 3/15 – the big day

In the morning the Super 8 has breakfast with waffles and eggs, cereal, toast, muffins, OJ, coffee. Loaded up for the marathon event at Chamizal. Both food and radio wise. I drove over to the park – a bit early but N4CD is an early bird.....checked in with the security folks and no problem starting a bit early. The SUP had specific time period listed. Fired up the rig on the CH frequencies again to give out El Paso County – then it was off to the races. In a bit over 3 hours put 316 QSOs in the log. Whew! Since this had not been on the air yet, lots of folks were waiting for the chance to 'get one more' of the 480 park units. It's NM03.

I met Mike, KD5KC there. He's been hoping to run this 'portable' but so far no permission. He triggered a string of 'no permission' and got the ARRL involved. Likely later in May or June for that type operation possible with luck. He lives in El Paso. Site has about S4 QRN level on 20M SSB to work through. Right in downtown El Paso. When permission to run this came through, I hopped in the N4CD mobile and drove the

654 miles out to El Paso to put it on the air the first time! 1834 miles in six days - ran a few other things on the way out and back.

The 55 acre park today has a cultural center, museum for the history of the area, an amphitheater, parking for 300 or more cars and is right next to a major high school. The place is swarming with kids – and many of their activities are for the kids. Their main mission is 'cultural'. Folks come there to jog and enjoy the park setting. Many activities at the cultural center for folks and of course, museum.

Now that the ice has been broken – mobiles can get permission to run from the parking lot. Setting up portable is still in the 'planning process' for permission. The key here was 'self contained mobile'.

The outcome was good. Over 300 QSOs (a record for me) in a few hours – from AK to Spain, South America and most of the US states. Are we having fun yet? After a couple hours the pile up ended and now it was just one or two coming by every five minutes of calling – so time to move on. Just like county hunting – if you call and call, some folks will eventually walk by the hamshack and hear you and call – hi hi. There are lots of other places to visit this year!

PS. I wound up dropping by there a few times after that. Just went to the far corners of the park and put it out. No hassles. This is now a park in the WWFF and POTA programs which continued after 2016. NPOTA went away, sadly.

## Annual Awards Announced

From N5MLP, Awards Chairman:

**MARAC County Hunter of the Year – SSB Winners for 2022 include:**

First Place: K3IMC – Donald Flynn

Second Place: KA9JAC – Bob Gedemer

Third Place: K2MF – Barry Siegfried

**MARAC County Hunter of the Year – CW Winners for 2022 include:**

First Place: W0GXQ – Jerry Mertz

Second Place: NF0N – Mike Nickolaus

Third Place: N/A – There were only two nominees

**MARAC Mobile of the Year – SSB Winners for 2022 include:**

First Place: WY0A – Rory (Butch) Porter:

Second Place: W4SIG – Kerry Long

Third Place: N8OYY – Edward Messenger

**MARAC Mobile of the Year – CW Winners for 2022 include:**

First Place: K8ZZ – Ed Eklin:

Second Place: W4SIG – Kerry Long

Third Place: W0GXQ – Jerry Mertz

**Message: MARAC Mobile Team of the Year Winners for 2022 include:**

First Place: AB7NK / K7SEN – Mary and Neil Vince

Second Place: KA9JAC / KB9YVT – Bob Gedemer and Ann Heimann

Third Place: AB4WL / NN4JM – Ken and Jennifer Moore

**MARAC Mobile Assist of the Year – SSB Winners for 2022 include:**

First Place: WY0A – Rory (Butch) Porter:

Second Place: K0DEQ – Bill Morgan

Third Place: K8EMS – Mike Delke

**MARAC Mobile Assist of the Year – CW Winners for 2022 include:**

First Place: K0DEQ – Bill Morgan

Second Place: K8MFO – Donald Karvonen

Third Place: KC3X – Hollis Thigpen

## The Radio Operator by Ulla Lenze

Norm, W3DYA, mentioned a book he had read and offered up on the County Hunter Forum. Turns out I never read it but the following is from the Amazon web page review:

Based on a true story, a gripping historical novel about a German immigrant who becomes embroiled in a Nazi spy ring operating in New York City in the early days of World War II.

At the end of the 1930s, Europe is engulfed in war. Though America is far from the fighting, the streets of New York have become a battlefield. Anti-Semitic and racist groups spread hate, while German nationalists celebrate Hitler's strength and power. Josef Klein, a German immigrant, remains immune to the troubles roiling his adopted city. The multicultural neighborhood of Harlem is his world, a lively place full of sidewalk tables where families enjoy their dinner and friends indulge in games of chess.

Josef's great passion is the radio. His skill and technical abilities attract the attention of influential men who offer him a job as a shortwave operator. But when Josef begins to understand what they're doing, it's too late; he's already a little cog in the big wheel—part of a Nazi espionage network working in Manhattan. Discovered by American authorities, Josef is detained at Ellis Island, and eventually deported to Germany.

Back in his homeland, fate leads him to his brother Carl's family, soap merchants in Neuss—where he witnesses the seductive power of the Nazis and the war's terrible consequences—and finally to South America, where Josef hopes to start over again as José.

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Written 2020 in German and translated to English. Not a big hit here

Best Sellers Rank: #589,195 in Kindle Store ([See Top 100 in Kindle Store](#))

- #1,425 in [Historical World War II Fiction](#)
- #2,726 in [World War II Historical Fiction \(Books\)](#)
- #3,824 in [Espionage Thrillers \(Kindle Store\)](#)

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The late 1930s was an interesting time in the USA. There was a considerable 'pro-Hitler' faction, even among the politicians. On the other hand, once Germany started annexing and invading other countries, things changed quickly. German spy networks were set up to report troop and ship movements. German subs off the coast of the US sank hundreds of US ships and tankers.

The FBI and other agencies 'hunted' down spies. It wasn't until after Pearl Harbor that the US officially entered the war with a declaration from Congress when amateurs had to leave the air. When WW2 started, amateur activity ceased with the exception of participation in WERS nets on 112 Mc/s – and only covert spies attempted to send/receive messages by shortwave at that point. All frequencies were monitored day and night. Spies sometimes used VHF to talk to ships/subs off the coast of the US for further instructions. (there was no internet or satellite communications back then!). Long distance was limited overseas to one or two calls at a time and cost \$3 and up a minute – in 1940s dollars (about \$40/min in today's dollars). Mail took a week or more for delivery and of course, could be tracked.

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## Postscript

For those old enough now, after WW2 there were tons of war surplus gear that allowed hams to get on the ham bands again – from receivers to transmitters to VHF gear for 2M and 220 MHz. Tech and Novice licenses were created in 1951. Before that, it was Class A and B (and conditional C) where you had to pass 13 wpm code test and theory. With the creation of Tech and Novice, amateur activity exploded. Heathkit and others like Globe used WW2 surplus parts and tubes to make 'affordable' commercial equipment – both ham radio and test equipment. Yes, you could buy surplus J-38 keys for \$1.25...but keep in mind minimum wage was like 30c/hour and most people made a few thousand dollars a year total.

## Mobile Activity in July

At the beginning of July

K8ZZ, Ed, spotted in MN

KA3QLF/N3KAE spotted in PA . Later KA3QLF spotted in MA

Over the 4<sup>th</sup> of July weekend – there was ZERO county hunter activity

W5VS was noted in VA over several days putting them out.

K4YT ran a couple counties in VA

K2HVN noted in MD and VA up to RI for a few days -

KB6UF ran counties in LA several times/days

AJ2I ran a few in NJ

N0KV/N0DXE noted in a few in CO

WA9DLB headed up to WI from IL putting out WI counties.

W4SIG noted in a few in UT

Rick, AI5P headed to 3<sup>rd</sup>/4<sup>th</sup> AK on vacation – might try to get on for some contacts as he brought the radio gear along. Spotted in the 3<sup>rd</sup> District on 8/24!

Two there county hunters headed there without radio for vacations this summer.

N3MRA, Seth, noted in NM counties then wandered northeast via KS to IL to MI.

KC0MYW spotted in a few counties in SD.

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It's been a slow summer for county hunter activity, but over 500 parks were spotted during the month! (most on the parks on the air site – maybe 30 overall on W6RK) If you're hunting 'digital' contacts, about 1/3<sup>rd</sup> of the park activity is FT-8.

## Awards Issued

Roadrunner Awards:

WY0A has attained 150 last counties on June 20, 2022. He received #179

K8ZZ has attained 1300 last counties on June 22, 2022. He received #6

K8ZZ has attained 1325 last counties on June 25, 2022. He received #5

W0GXQ has attained 1500 last counties on June 25, 2022. He received #3

**Ran All State Awards:**

K8ZZ completed Idaho on June 24, 2022. He received #36

K8ZZ completed Wyoming on June 25, 2022. He received #29

W0GXQ completed Idaho on June 24, 2022. He received #37

K8ZZ Completed Utah on June 26, 2022, He received #31

County Challenge Award

N1API Attained level 12000 on June 20, 2022

K5GE Attained level 24000 on June 13, 2022

N8OYY completed Maine on 18 June 2022. He received #39

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Mobile to Mobile Award: K8ZZ completed all Mob-Mob on 23 June 2022. He received #24

## Activities for County Hunters

Activity resumes in August – with the MDC mid month and KS QP, OH QP , HI QP at the end of the month. Some smaller contests happening around the world as well

August 13 1400 13 2200 3.5-28

**Kentucky State Parks on the Air** CW Ph Dig

KY park abbreviation or SPC

<http://k4msu.com/kypota>

Aug 13 1400 14 0400 1.8-  
**Maryland-DC QSO Party** CW Ph Dig  
Entry class, county or SPC  
[w3vpr.org/mdcqsop](http://w3vpr.org/mdcqsop)

August 27 0400 29 0400 1.8-28  
**Hawaii QSO Party** CW Ph Dig RS(T)  
HI district or SPC  
[www.hawaiiqsoparty.org](http://www.hawaiiqsoparty.org)

August 27 1400 28 2000 3.5-28,50  
**Kansas QSO Party** CW Ph Dig  
RS(T), KS county or SPC  
[ksqsoparty.org](http://ksqsoparty.org)

August 27 1600 28 to 0400 1.8-28  
**Ohio QSO Party** CW Ph  
RS(T), OH county or SPC  
[www.ohqp.org](http://www.ohqp.org)

Nothing heard about any expedition to Kalawao so probably not this year. I'm sure COVID sure a factor there with many elderly residents.

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That's all folks!