

# County Hunter News OnLine

November 2025  
Volume 21 Issue 11

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. There is .SSB activity now occasionally on 7188, 14336., 18136, 21336, 28336 . The CW folks are now pioneering 17M operation on 18.0915. (21.0565, 24.9155, and 28.0565 ). 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 was sponsored by CQ Magazine, which unfortunately has gone the way of the dinosaurs. However, like other CQ Awards, they are still available. CQ awards require confirmation of all claimed contacts.

Rules and information are here:

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

**MARAC sponsors the US Counties Award which can be earned in increments of 500 counties.** The rules for this award are at:

<http://marac.org/documents/usa-ca-rules.pdf>

This award requires log data only to earn.

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

**1 ) Sunspots** – Still have them. A few days of horrible K index, but most of month nice and clear with propagation. 10M has been good on some days – be sure to check it occasionally.. Thousands of contacts were made during the California QSO Party with some stations making nearly 900 QSOs over a weekend on 10M.

### **2 ) QSO Party reports**

A special thank you for those who take the time to post interesting trips or reports on activities in the various QSO Parties. It's nice to be able to share your experiences. I

especially like the fixed station reports that mention the mobiles worked – N8II does a great job. Not all mobiles even enter anything on the site. Aslo, OM2VL – noting conditions and mobiles worked. I hope readers of the County Hunter News also spend some time going through the various reports. It takes a while here to sort through the often 100 plus entries noted on 3830 Contest reflector to find those reports with other than 'no comments' or 'thanks for the QSOs’.

## WA5LIE Trip Report

From the County Hunter K3IMC Forum:

Sometime in early June of 2025 I stumbled across amateur radio county hunting again, then did a dive down that rabbit hole and noticed that some counties in western Texas were prized (or rarely worked), like Loving county with only about 80+ permanent residents. Then the idea formed to go out there and give contacts. Sounds simple, right?

Ignorance is bliss. I personally have not had an HF station for years but have managed to keep up my CW skills. My poor hearing limits my operations to CW because I can no longer understand most SSB signals. As I worked the county hunters forums, I learned that most were looking for CW contacts, so that was a plus. Around Field Day I spoke with Gerald – WB5NZV about the possibility of involving DCARA in some way and he graciously offered the use of a radio for the project, an FT-991 after Field Day was over.

He also offered a mobile antenna but I declined, figuring I could whip (no pun intended) one together in my shop. So far, so good but then the fun started. The antenna project fought me every step of the way and made a rather simple job an almost nightmare but I prevailed. Construction details are available in a separate article but the summary is it ended up being 15’ from the road to the tip with a 4”x12” bug catcher coil at the 6’ point. It required a 2’ extension to a hitch mount so the hatchback would clear the coil when opened. It is not a trivial antenna. Band tuning was by shorting the coil to various taps, all located with the help of my VNA. It tuned 80m through 15m and 20m was flat (below 2:1) from around 13MHz to around 15MHz. Performance was great; if we heard someone, they heard us.

Fast forward to 18 Sept, the big day. Up early and away I go but first, did I mention that the itinerary had morphed? No longer a jaunt to Loving county and a few points that direction. Oh, no, nothing that simple. Sandy – WB5YPP who usually rides sidecar wasn't available for the trip so I asked my brother Ron – N5NK if he wanted to go and he jumped on it. Ron is also a CW op. He also had a laptop and the software for logging, CAT control and keyboard ops. OK, so away I went and got to his place between Brownwood and Goldthwaite about 10am and more fun started as we tried to interface the laptop and the 991. I finally took a nap and then came back about the time he was blasting the laptop back to the stone age with a factory reset (I never found out where it came from but it was new to him). Once that was done and the software and drivers were reloaded, everything started working like it should have. As we were loading up everything, I convinced him to add his Bencher paddles to the pile just in case. It turned out to be a trip saving move.

We didn't get away from there until late afternoon on the 18th. I drove, Ron operated. We had figured 2 days head start on the Texas QSO Party would allow us to hand out contacts before the bedlam on Saturday and Sunday but we hadn't figured on the possibility that no one would be on the air. We worried that the antenna might be an issue but he would spin the dial, find a station and work it with good reports, so that wasn't the problem. We spotted our ops on the county hunters site but no one showed up on those frequencies. By the time we got to Junction, TX we had maybe 4 county hunter contacts. The trip was a great learning experience. While Ron was in the back running the radio (did I mention the FT-991 is NOT a mobile rig even if it runs on 12V), Murphy was riding shotgun. Why was Ron in the back? The laptop suffered from RFI and would hose up; a couple of times it locked the transmitter on until fast hands could get it to stop. RFI into the USB cables, RFI into the audio patch from radio to car audio (which lit up icons on my dash I had never seen before). Fortunately all the car effects cleared after unplugging the audio cable and restarting the car. So, no laptop, no CAT control, no logging, no keyboard CW, just his set of Bencher paddles and my bug (which is useless in a mobile) and his paddles were intermittent. I suspected the ¼" to 3.5mm adapter plug he was using so we bought another in Junction, TX. It seemed to work until it didn't. Somewhere out there I took the cord off my bug which had the 3.5mm plug and wired it to his paddles and no more problems during the trip. Later I found that his old ¼" phono plug's shape was such that the ring connector, the one between the tip and ground, was too far inset for the adapters to make consistent contact. It just didn't meet current chinesisium specs.

Junction, TX to Alpine, TX was the Friday leg and we had a bit more success but not much more. One Californian had emailed me begging for Terrell county, which we really tried to accommodate. We dragged our feet in Sanderson but, not having the guy's

cell, we couldn't coordinate with him directly. By now we were getting a bit frustrated as there were just not many county hunters on the air. We were making other contacts and when I had cell service I would log into a web SDR and hear our signal, so I know we were getting out. Saturday 9/20 the TQP started at 9am but we didn't leave Alpine until about 10. What a difference! The bands were full of ops. I guess they had all been at work trying to make enough to pay off their radios. Whatever, Ron was wearing out his fist as we went from Alpine to Marfa to Ft. Davis, then up to Pecos. From there to Mentone in Loving county. We stopped there for snacks and found an empty parking lot and stayed there for over 2 hours while Ron worked the massive pileup that happened when they heard "Lovi", the county hunters abbreviation.

After we pulled out of Mentone we went east into Winkler county and Ector (Odessa). Over dinner we decided that it was about 3 hours from there to his home, so we drove straight through and got there about 2am on Sunday and decided the contest was over for us. What did we learn and what would we do different if there is ever a next time? First of all, RFI harden everything. Cheap chinesium laptops with plastic cases can be hardened but it isn't easy. Any cable, ditto. Use the correct plugs without having to use adapters. Test it first, then test again. We couldn't test at all because we are 150 miles or more apart, so it was a case of black box engineering without all the required specs. Learning while going down the road is not fun. We got to see a lot of country; it was around 1300 miles for me round trip and we ultimately made a lot of contacts but not until the TQP started. We did work a Croatian station in all that, so again, the rig and antenna were the only things that worked flawlessly during the DX-pedition. Would we do it again? Not the same way, for sure. Maybe more targeted destinations instead of the huge loop we did. Plus, I would get commitments from county hunters to actually be on the air so I wouldn't feel like the trip was wasted effort. Next year's trip, if there is one, will be radically different.

Call: WA5LIE 9/29/2025

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Comments de N4CD

Thanks for the report. Interesting. Glad you had a blast.

Now for some comments that might help next trip:

1) I checked the main county hunter spotting site. W6RK.com . I found no spots for WA5LIE. I found about a dozen for N5NK. Most county hunters watch that site, and it

links to the main county hunter software tracking program called MARAC Logger. No spots, few will appear other than a very few these days that actually listen to 14056.5

There are actual 'alerts' which can be set in that program to ring bells and get county hunters on the radio for needed counties, prefixes, call combos, etc.

2) Many state QSO Parties use the state QSO Party spot site - which does not link to W6RK or the MARAC Logger Software program. There are likely a hundred state QSO Party active folks. Some will show up for a few hours - some only to qualify for the annual STATE QSO Party Challenge run by WB4AFP where you try to participate the QSO Parties for all 50 states. Some will be there the entire time. Most of those state QSO folks watch no spots, or the 'state QSO party' spot site. Not W6RK.com

3) As you noted, some folks still have to work to pay off the credit card for the latest radio goodie purchase, the electric bill to keep the computer working, and food on the table. There is always 10 times more activity on weekends.

4) There are other ways to get contacts. If you are around on Wednesdays and like CWT, the weekly CWT at 1300z and 1900Z for an hour each time can get you 50 QSOs in an hour.

If you like alternatives to just counties, you might wish to check out Parks on the Air. There are many National Parks, State Parks, interesting Monuments, Historic Sites, etc in every state. Over 200 in TX. When you operate from there, you can give out both the park and the county. Makes life more enjoyable. It's a bit frustrating to drive hundreds of miles, eeking out 6 or 12 county hunter contacts. Hit a park, and you might add a couple dozen more - doing both the county and the park. That on cw. Hit a park on SSB and you might add 100Q in an hour. If you're in my camp of horrible SSB copy...bring along younger friend good at SSB for more fun - hi hi. Or stay on CW. Whatever works for you. As a note, I've made over 136,000 contacts for parks since 2016. that from over 1000 parks, monuments, historic sites, wildlife areas in 40+ states. Gave out the counties while there, too. Lots of fun.

4) Ferrites are your friends. Buy handfuls of 'HF' type toroids. Palomar is good supplier. Power leads, computer leads, keyer leads. Ground Negative lead goes to immediate ground near radio. Also the ground lead on radio. Use good shielded cables, including the 3 wire leads to the paddles. Don't use 'adapters' but put the right connector on the cable end. Adapters are 'not your friend but your enemy'. Crimp coax connectors are not your friend. Buy good US made PL-259s.

5) Other state QSO Parties - sometimes there are several QSO Parties going on at same time. You can look for and work the other QSO Party folks during contests or on weekends. Maybe between county lines or stops if you have other op besides driver and you are capable of 'mobile in motion' contacts.

> 6) There is also Monday 'slow speed' "test' for several intervals.

7) County Hunters like different bands. Many collect 'band counties['. If you can operate on 80/40/30/20/17/15/12/10M, you'll make more contacts. Maybe some bands will work at different times during the day. Parks on the air also uses the WARC bands. Some but not much activity on 60M - not enough spectrum and often shared.

8) Some county hunters collect 'digital contacts' (not cw). PSK, RTTY, FT-8, FT-4. Same for Parks on the Air folks. While on FT-8 you can't insert the county, grids are used, if you spot your county on W6RK.com, some county hunter folks will show up. Word of caution. W6RK is fussy. List full county name, comma, ONE SPACE, state abbreviation. Put any comment in parenthesis. Example N4CD 14056.5 Dallas, TX (US-4434)

Welcome back to county Hunting!

Hope this helps

Bob N4CD

## California QSO Party

As usual, this was another great QSO Party. There are 58 counties in CA and many had clean sweeps. A few counties were elusive.....There were 2 mobiles plus dozens of county expeditions - sometimes at 'guest stations', but most often at complete portable setups.

From the 3830 contest reflector:

Wow- 10M was on fire. The big guns in CA racked up over 700 QSOs on 10m!

## **W6AQ Mobile 1708 CW QSO in 27 counties**

Operator(s): N5OT N6AN

Well, we had fun in the California QSO Party. Thanks again to Chairman Dean, N6DE, and everyone in the great CQP machinery who work so hard to make this such a massive and successful event. David, N6AN, and I enjoyed this opportunity to put Dave Bell's callsign W6AQ on the air in celebration of Dave's love for the CQP. We know just hearing it made a lot of people smile. To everyone who worked us, thanks again for all the QSOs.

David and I were in the RadioCar (N5OT/M) which accommodates a driver, an operator, two specialized batteries (we just installed the big one for the amp - 400AH@12VDC), and multiple antennas: in the back we have a big Tarheel that will tune 80-10 meters, and in the front a home-made 40 meter vertical based on a Hustler 40 meter high power resonator. Theoretically the extra vertical makes for faster band changes when it counts. The amp is a legendary SGC Power Cube. We ran between 300 and 600 watts output, depending on the band. Our transceiver is a Kenwood TS-480SAT. The RadioCar design is based on Best Practices developed by Rus Healy, K2UA, who chairs the New York QSO Party. Their committee works hard to ensure as many counties are on the air as possible with robust support of mobiles in the NYQP.

The RadioCar lives in Oklahoma. I drove it to California for the CQP and to see my mom who turned 93 last week.

This was the first time I have done the CQP as a mobile. I approached it like some of the other State QSO Parties. I applied the Jim Hall, AD4EB, Best Practices for the route and navigation.

To top it off, this year, there was a brand-new version of QSO Party APRS Tracker working for the CQP. We fired up APRS in the car and people could follow us around the state in real time. We have heard many comments about how cool that was. This is the work of KC8FDU, K1RA and K2UA. Thank you, Gents.

Saturday conditions were kind of ugly. Later in the day they got better. Sunday was pretty good. We learned that the twisty mountain roads in some of the counties we visited presented a lot of challenges, both on the road and on the air. No wonder some of those counties are rare!

Kudos to the K6AQL club team, and all the other mobiles for their drive to activate so many counties. It's an honor to be among so many great and dedicated contestmen.

See you in the next one!

73 - Mark N5OT (with David N6AN)

**K6AQL/M 1744 CW QSO**

Operator(s): KØDI WJ9B

Man, what a blast!

Dave, k0di, has over twenty years of experience in CQP. This was my third CQP with Dave.

Based on a key change, Dave's prediction for this year was accurate and well beyond my memory of how we did last year. Having studied Dave's spreadsheet comparison of 2024 and 2025, we are now looking forward to CQP 2026! Among other perceptions we now see a definite role for 80 meters.

Propagation correlated nicely with our band changes on Saturday. We had noise from time to time but condx were descent.

We started and stayed on 15m well into the afternoon on Saturday. We thought 10m would be too long for stateside or redundant, as we moved through counties on 15m. We did try 10m but on Sunday's return route. I thought our switch to 20m on Saturday was perfectly timed. We got to Scra early. We made the decision to stay in Scra, awaiting a good 40m rate that we were expecting to occur sooner. We got the rate before moving on, satisfied with another good decision.

There is a role for 80m in late night and early morning propagation, compared to 40m late night, and assuming no more than 3 hours sleep.

When to switch to 20m on Sunday can be tricky but we typically end on 20m. We did better last year, on 20m on Sunday, but then we spent time on 10m this year. I don't see a role for 10m unless we add a separate 10m antenna.

We use a large tapped loading coil placed under capacitive hats and a stinger. One hat is for 80m only. Our goal is to minimize repeat band changes; only one time band changes on the first day--15m, 20m, 40m, 80m.

We have one antenna on the roof of the car, guyed four ways to the car. Dave is tall enough to climb on to the roof to make band changes. We cannot have an antenna more efficient and be in motion. But we do have to manually change bands.

We used APRS this year so maybe this had something to do with our improved performance. Thanks to Dean, n6de, and Rus, k2ua, for encouraging us to use APRS.

The rig was an Elecraft K3 with kat3 tuner, 100 watts, computer, winkey, Bose noise canceling headphones, and DC to AC inverter to run the computer and APRS-loaded phone.

I got a little aggressive trying to manage the pileups. Please pardon me. But in my defense there were stations calling and calling who were NOT hearing us!

When stations send their call signs two and three times at a time this forces me to increase speed to catch the faster and efficient ops first. They know to send their calls one time or not more than twice, fast, and wait for the next cq, if necessary. I actually worked n3rd---call sent once and fast---while in the middle of an exchange with someone else who was needlessly repeating his call. I suspect n3rd heard that! Repeats should be given only if asked, both ways.

Working fast and efficient cwops and my always efficient pvrc buddies multiple times was great fun. Such fine ops out there! Just from memory: k7rat, k7sv, k4bai, n4af, k4pql, ve3yt, n4cw, wa3aer, k0vi, n5rz, n4zz n3qe, but many others. Thanks!

W6AQ and great op n5ot, UAND, did fb in CQP, first time out. They activated 27 counties to our 23 counties!

I suppose it is funny to get the request "ur county pse" when almost every time I sent the county as part of k6aql. We were also tracked by APRS but this may not have been widely known.

You know great fun was had when CQP was over in a flash. Time is relative!

I will see you all in sscw!

Thanks to you all for a wonderful time. See you in 2026 CQP, God Willing....

73, Will, wj9b and Dave, k0di  
dit dit

## **W6CF County Expedition 200 CW 18 SSB**

Operator(s): AE6C W6MLW WQ6X

This is a 1st-time operation as W6CF for CQP.

We ran a Kenwood TS-590 in an end-fed wire atop the 3-story bldg.

For receive, we used a fixed-pointed LOOP antenna to keep the RFI from onsite repair facility out of the receiver.

We had many visitors to the shack who experienced amateur radio operating for the first. We were hoping to put visitors on the air, but there turned out to not be enough time for that.

Look for a write-up on this at: <http://WQ6X.Blogspot.com>.

## **N6E County Expedition - YUBA 646 cw 135 ssb**

Operator(s): N9DK NS8X

Despite the bear climbing into our front seat to steal chocolate (we were right there unpacking!), we had a safe contest.

## **N6A County Expedition 100 SSB QSO**

Johnny (W6JFA) and I (KO6M) had a glorious plan: Camp and Radio like we have in the past.

Then being parents got in the way. W6JFA had the Delta Band Review to run and I had....fun family stuff that needed to be done and I am not ashamed of it. So I said to W6JFA, are you crazy enough to do a one day expedition (our spot is ~3 hours away)? He said yes.

So, we did a last minute shift in plans and ran out to our normal ALPI spot; we brought a C3 Antenna, a 7610, and some batteries (also other things but that aren't important here).

It took too long to set the antenna up. Instead of mounting it on the freestanding antenna mast and tower on the ground with lots of cursing, we mounted the top half in the back of his truck and strapped it down with truck straps. We blessed it by slapping them and saying that's not going anywhere.

The pop up tent got picked up by a freak wind gust just after Johnny said "it's so calm up here today". Said pop up tent broke one of the elements on the antenna.

We finally got on the air around noon. We started kicking butt instantly. So many "you're my missing mult!" comments. Sorry we were late.

An hour or more goes by. W6JFA looks up and says, "isn't the antenna backwards?" Yes, yes it is. We had done half our work off the backside. Oops.

Lots of laughs. Enough QSOs to make us feel like it .... nope, we could have done 5 QSOs and it would have been worth it. We had a blast. Bands? They were fine. They were great! What do we know, we got contacts, and even came across Jack, W6FB, on 2 bands! (Noting it here because as always Jack was so delighted to hear us on the air.)

**N6RO multi op 1973 cw 1558 ssb**

Greetings from team N6O, the operation that came close to not happening for the first time in many years! over the years, our M/M has been routine, but with the loss of several regular operators over recent years, and immediate health and other commitments of the remaining team our annual M/M was not to be. Dean N6DE suggested M/2 as a possibility. with the few team members we had, this seemed ideal as all were seasoned operators, and the cqp rules made it such that one could be 2 so to speak. so that's what we did.

Conditions- Good to mixed, Our upper band operations/totals were VERY productive. despite all this G1 storm reports. 10 meters was open both days, a bit better Sunday. 15 was good and productive, both got EU and JA participants calling in.. 40 was good but suffered from severe atmospherics, this made SSB difficult. 80 also good pretty good. a few showed up on 160 for some fun. 10 meters and less so 15 suffered from multiple sources of local QRN that has been plaguing this great station and making operating difficult.

Overall operations:

N6WM Onsite. WD6T Onsite Sat remote Sun, N6RO onsite and WX5S full remote.

K6M County Expedition - MODOC 1499 CW 1548 ssb

Operator(s): K4XU K7PTC KI7IOC N7GND W6RA W7SAG W7YAQ

(10m was very good to us. (de N4CD - nearly 900 QSO on 10M!)

### **W6IA County Expedition**

Operator(s): W6IA W7EE

This was a M/2 one-day expedition to Clear Lake State Park in Lake County (LAKE) POTA reference US-1140. We could not have asked for better weather and overall environmental conditions with about 70 degree temperatures, no wind, and fortunately no bugs nor mosquitos which have been a significant issue for us on some prior expeditions.

This also marked a big personal milestone as this marked the 10th CQP that we have done together and our 9th different county activated in the contest. Thanks as always to Claude, VE2FK, for keeping the N1MM call history files up to date because we change counties literally every year and Claude is always on it!

Band conditions were good on 20 for most of the day but 10 never really fully materialized the way we had hoped. 40 was a solid performer but suddenly went long fairly early in the evening where we could work lots of Midwest and East Coast stations but we missed out on hearing from many of the CQP expeditions which usually populate 40 at night. In-state stations that were S9 at 7pm local time were suddenly barely audible about a half an hour later. The quick change was striking.

We worked 49 of 50 states (missed VT) and 7 Canadian provinces. We have never done better than 56 mults in all of our years doing this contest so we were disappointed not to get a sweep yet again. We still had a great time, we were happy to contribute to the Lake County effort this year, and we appreciated all of the QSOs from near and far.

73 to all,

Mark W6IA on behalf of Tim W7EEE

### **K6N County Expedition 285 CW QSO**

Operator(s): K6ENT N6D

Napa County

Bureau of Land Management, Knoxville Recreation Area

See pictures at:

<https://photos.app.goo.gl/vJmSFuMjv4pR4oiZ9>

10 m station: N6DE op, Elecraft K3, ACOM 1010, Inv-Vee at 20 feet on fiberglass mast.  
15 m station: K6ENT op, Elecraft K3, Inv-Vee at 35 feet on fiberglass mast. Something was wrong with the 15 m antenna. VSWR was 3:1 at 21.040 MHz. Lowest dip as shown by RigExpert was 2.6:1 at 22.5 MHz. No time to debug it. Used the Elecraft K3 tuner and made QSOs.

Radios and computers powered by 1500 Ah battery. Amplifier powered by Yamaha generator.

Notes:

- \* S0 noise level on both bands.

- \* Beautiful scenic location.

- \* Slow and difficult drive on tough roads.

- \* Time consuming and frustrating setup. Scouted the location on the Friday before CQP and began setting up the mast. Spent hours on Saturday morning finishing the setup and debugging several problems due to me not having time to test portions of the setup before CQP. First QSO was made at 1840Z, nearly 3 hours after CQP started.

- \* K6ENT thanks all the ops who slowed down and who were patient with his repeat requests.

73...

-Dean - N6DE

**N6J County Expedition 532 cw 203 ssb**

Operator(s): AJ6IY K6BCW K6TOR K6UFO KJ6PTX KR6A KU2MM N6BMW NN6U

9 San Francisco Radio Club members and several visitors participated in an 18-hour expedition at the Randall Museum to make sure SFRA was well-represented in CQP this year. We used two IC-7300s, one driving an EFHW and the other a vertical with a multi-band matching unit. For most of the operation, we were active on CW on one band and SSB on another, swapping bands and antennas. We got 49 states (missing only ND), 21 CA counties, 7 provinces (0 territories), as well as 1 each Mexico, Argentina, and Slovakia. The Randall Museum were excellent hosts and it was great to activate San Francisco county from such a great location.

**NS6T County Expedition NAPA - 1768 cw      753 ssb**

Operator(s): K6KM NS6T WU6P

Nian (WU6P), Roberto (K6KM) and Tom (NS6T) operated from the comfortable US Towers guest house supported by two of their amazing portable towers. Our stations consisted of a K4 with KPA500, a K3 with N6DE's Acom 1500, and a K3 with a AL-811 - all running high power. Our antennas consisted of a Force12 C3S at approximately 60ft, a 40m inverted-V at approximately 60ft, and a 80m inverted V at approximately 70ft. Thanks to N6DE's VA6AM high-power triplexer and bandpass filters, we were able to use any three bands on any of the three stations. We put all three stations in one room bringing in 220V from the nearby laundry room. We had some concern that we might trip a breaker, but we had no problems of that sort.

This year, the high temperatures were in the 70s and 80s compared with last year's highs over 100°F. This made the outdoor work seem half as difficult. We did have some rain showers Thursday night, so we had to wrap the coax connections. We also deferred putting up the low band antennas until Friday morning to avoid the risk of water damage to coax.

Our main equipment challenge came from the WIFI. Based on previous experience with the WIFI, we setup a wired LAN between all the computers, the K4, and a raspberry pi. This network supported N1MM+ communication between the rigs and communication between the K4 and its computer. The LAN was managed and connected to the outside internet via a portable WIFI bridge router. Losing the WIFI only meant losing our connection to the packet cluster.

Nian and Roberto focused on CW contacts, and Tom made only SSB contacts. On the SSB side, there seemed to be fewer, smaller pileups; and there were fewer DX contacts on Sunday.

**W6RBP County Expedition - Eldorado    627 SSB QSO**

Operator(s): AF6HO KN6UBT NY7N W1ADV

Fun county expedition from W1ADV's AirBnB up in Pollock Pines.

Plan was to enjoy ourselves and get a few newer hams a taste of contesting from the other side for a bit. We succeeded.

Big thanks to W1ADV for letting us use his place, AF6HO for bringing his radio/tuner/amp, and KN6UBT for being our chef for the weekend. It may not have been the biggest score, but man we had a good time. Just missed Mississippi for WAS in a weekend.

Looking forward to doing this again next year!

FTDX101MP  
Palstar LA-1k  
ZS6BKW @ 50ft

**N6S County Expedition - Shasata 671 cw 30 ssb**  
Operator(s): AA1ON W1RH

Although it was not our plan, this turned into a one day expedition from a fabulous location in eastern Shasta County. The K3 decided to put out zero watts Saturday night. We had brought a FT-857 with us and used it to make a few 80 meter Q's, but it really sucks as a contest radio. Packed everything up and decided to be tourists at Mt Lassen National Park on Sunday.

This year, we did not have access to a tall mast, so we used a Cushcraft R-7000 antenna, which performed amazingly well on all bands including 40, which surprised me.

Thanks to AA1ON for flying in from W1 for the umpteenth time.

K3  
KPA500  
KAT500  
R-7000

**N8II fixed WV 300 cw 289 ssb Mults58**

The sweep was very quick and easy finishing with a 20M SSB CQ answer from KK6VZD in SUTT at 2241Z. W6BO was also very active from SUTT. I think only once did I get a sweep earlier by less than an hour and was HP then. I had some rare counties answer my CQ's on SSB, always some luck involved with an early sweep. Thanks to the ops and organizers for making that part of the task easy. Watching the online scoreboard which I avoided at first made the CQP less enjoyable for me. I was only about 2K behind K7SV until 40 opened well. Lar has a wire yagi on 40 vs. my dipole but he is

also an excellent op. Congrats Lar for a great effort (leaving me in the dust)! The scoreboard does not differentiate between assisted and non-assisted efforts. NV4P and N0HJZ who were near sometimes behind my score Saturday cruised to big scores Sunday.

10M was open very well to CA on Saturday, very few ops were on SSB then, many possible QSO's missed. But 10M prop is pretty selective and it turns out that Sunday was fine for CA ops to the Midwest and Southeast USA, but not here. For many hours a few signals were loud but other well equipped ops were weak and hollow sounding here probably on the edge of the skip zone. I called several who were S3-6 on CW who never heard me or who really struggled to work me. No band Sunday was good for running on SSB from here. I had less than 20 answers to SSB CQ's all day, the worst ever. Finding new S&P Q's was difficult. Both days 20 was nearly closed to CA during the mid day. About 22Z Saturday was the beginning of good conditions. I had good results on 15 Saturday, Sunday was a struggle despite some big signals from the big guns.

Not a bad score for 14 hours, I took more breaks Sunday than usual after being hopelessly behind at 12Z. My noise was a bother on 40, high on 80 with some QRN on 20. N0HJZ and NV4P obviously lived in a different universe than this area on Sunday really piling on the 15 and 10M Q's.

Many thanks to all of the portable/mobiles, most had excellent ops. K6AQL/M was louder than ever especially on 15M and upped their operating skills it seemed. Why were there so many CA signals weaker than K6AQL? Not sure I am cut out for 24ish hours of mostly S&P. I was ready to quit when I did at 0310Z. FYI, it looks like a beat the best out of CA HP score, enjoy the plaque. Thanks to all for the good activity and especially those who worked many bands/modes, really helps us on the out of state end.

73, Jeff

### **AF6GA County Expedition TEHAMA 667 CW**

Another fun camping trip to Tehama county. I wasn't expecting it to be down to 43°F at 6,500 ft at night and slow to warm up to low 60s during the day. Thanks for all the QSOs and repeats. The excuses could be: eating, warming my hands on the PSU, standing up to stretch, or just general confusion :)

73 and already looking forward to the next time.

**K6G KA9MDC Opr      253 SSB QSO**

I was surprised at the noise level at the start of the event, especially on 20m. I had little luck with running a freq on Saturday, so spent much of that time doing S&P. Sunday was more successful, but there were still significant periods where the response time between calls was 3-5 minutes. I need to rethink my antenna choice(s) if I'm going to continue SO-LP expedition operations. I enjoyed my spot along FH 21N65 just off Alder Springs Road. The geography provided a lovely parabolic bowl pointing to the east. There was quite a bit of truck and side-by-side traffic from hunters going in and out of the Mendocino Forest (POTA park US-4460). I stepped out to find new "neighbors" parked with me on Saturday and Sunday morning.

**K6CSL County Expedition Stanslaus   126 CW**

What fun!!!! Lots of pile-ups seeking STAN. Was I the only station in STAN. I never found one for my log. 73's to all, Bert, K6CSL.

**W6M Mobile   299 CW   85 SSB**

Operator(s): KB9ENS

Always fun to better last year's score. I had a great time. Definitely leaned towards more CW this year than past, but the SSB contacts enabled me to pick up several mults I wasn't getting running on CW.

IC-7100 at 100W into a Diamond SD330 on the roof of my Sprinter RV, laptop running Hamracer and a Spiderkeyer. All contacts made within the borders of POTA US-4541 Carrizo Plain. Even got to watch a wildfire start, get attacked, and put out by an airborne water tanker.

**W6ML County Expedition MONO   1324 cw   213 SSB**

Operator(s): W6KC

Another great California QSO Party! Last year I managed to work 56 of the available multipliers, and this year I improved to 60, just missing NT, NU, and NL. I couldn't get

much of a run going on SSB, so I spent most of my time on CW. My best CW rate was a 133 hour on 40M. And, by far, my best SSB run of the weekend came during the final 30 minutes of CQP, when I logged 60 QSOs on 20M SSB.

I operated with dipoles for 40, 20, 15, and 10 meters, plus an 80m inverted vee, all launched between 60 and 80 feet high into the surrounding pine trees. I've used a slingshot for years to get my antenna guy lines up, but this year I tried a new 3-ounce aerodynamic fishing weight. It made a big difference...much better accuracy and height on my shots.

Many thanks to N6DE and the NCCC for organizing another outstanding CQP!

Rig: Elecraft K4 & KPA-1500

QTH: Mammoth Lakes, CA – Mono County

73,

Jim W6ML/W6KC

### **AA6MU County Expedition 1208 cw 279 SSB**

This was another tent operation out in the woods — and let's just say the heavy rain during setup made things extra fun. Nothing like a downpour to make you question your life choices :)

A few lessons learned that might be helpful for someone:

The 2x6 switch picked up condensation overnight and decided to quit working. I'll try to repair and seal it, or just move it inside the tent next time.

That fancy GFCI outlet at the campsite clearly wasn't a fan of high power — it tripped if I dared to pull more than 300W... A couple dozen trips to the campsite power distribution board turned out to be a great workout — definitely woke up my sleepy legs! So much for running HP... barefoot next year it is :)

On the bright side — for the first time ever, I got my HEX beam up to 10 meters! It took some generous supply of strong words in my native language to make it happen :) You'll see the results if Dean puts together his beautiful video this year.

A quick word of encouragement to my fellow Californians confined to tiny HOA patios:

join a CQP expedition force! It's the one and only contest where you're the hunted, not the hunter, not just another annoying CA station — and it's pure fun. This modest result was achieved with just wires in the trees and an old FTdx3000. You don't need rotating Berthas with 4x6 stacks or even a shiny K4HD or FLEX to be very competitive.

And don't get me started on that sub-zero noise level you get out there in the wild... pure bliss.

Multipliers: got 59, missed NL, NT, NU and UT (really??., are they in my skip zone or there were no stations?)

FTdx-3000

FT-991

Homemade Amplifier

HEX for high bands

A LOT of wires on the trees for everything else.

### **K6WSC County Expedition SDIE 1943 CW QSO**

This was my seventh California County Expedition from the Anza Borrego Desert in eastern San Diego County. What a wild ride this one was though!

For various reasons, I did not commit to making the five day trip until Monday afternoon. Packing takes place on Wednesday, with travel and the beginning of setup on Thursday. Setup finishes late Friday afternoon. The antenna support structure is a large complex three mast system with two levels of guying on all three masts. It has withstood high winds on every previous deployment. Not this time. The NWS issued a Wind Advisory stating sustained winds of 25 MPH with gusts to 45 MPH for the San Diego County deserts. The wind began before dinner on Friday and continued all night. The antenna was still up when I went to bed. At dawn, the center mast was bowed over making the antennas usable. There was no way I was going to take the structure down and start over. In fact, I couldn't even figure out how to take it down, given normally I drop the fiberglass mast one section at a time, but that certainly would not work with the bowed situation. After studying it for a while, I decided to try to lower the 20-15-10 dipole (The 80-40 dipole was caught and couldn't be lowered.) Amazingly the center mast straightened up a little, along with my hopes. At that point, I had nothing to lose in trying to right the center mast. Nothing was broken. All guy stakes and guys were intact. I decided to disconnect 2 of the 3 top guys and try to pull the mast to vertical. That worked! I raised the 20-15-10 dipole and tidied things up. I checked the SWR on all the

antennas, had breakfast and was ready to contest at 7:30 AM before the 9:00 start.

Tons of run fun is a good CQP bet and the 2025 CQP delivered. The best hour was 88 Qs/hr with an average rate of 56 Qs/hr. This was my second highest score in the CQP, just slightly behind the best in 2023.

Thanks to everyone involved with running the great CA QSO Party!

Rig: Yaesu FTdx10

Amp: KPA-500

Antennas:

- 1) 80 (full size) & 40 fan dipole suspended on a 32 ft center & two 28 ft end masts.
- 2) 20/15/10 fan dipole suspended below the 80/40 fan dipole.

73, Bill / K6WSC

### **N6U County Expedition SUTTER 205 CW**

Operator(s): N6DE

Sutter County Airbnb in rural section of Yuba City

See pictures at:

<https://photos.app.goo.gl/eJTHwJa7RmheKDtN8>

Station:

Elecraft K3

ACOM 1010

Bioenno LiFePO4 1500 Ah battery powered the radio and computer

40 m: N6BT EVN-40 40 m vertical dipole

Notes:

\* Low noise level on 40 m. Unknown on other bands.

\* Nice house with deep backyard lot. Potential for more antennas to be installed in a future CQP effort.

\* Neighbors have several farm animals. Roosters crowed 24/7. Barking dogs each time arriving and leaving the property.

\* In civilization, with a short drive to all urban amenities. Went to Home Depot to buy a sledgehammer for driving in stakes at Napa County. Went to grocery store for more water, and went to 3 different restaurants.

\* QSO with OM2VL on Saturday evening Pacific Time. Amazed he heard me on 40 m with a modest antenna on my side.

73...

-Dean - N6DE

## Illinois QSO Party

**KA9FZR mobile 250 SSB**

Operator(s): AA9RK KA9FZR KD9NZB WO9B

The KA9FZR team headed south from Wisconsin to spend the afternoon on the Illinois QSO Party once again. The team was Frank KA9FZR, Max KD9NZB, Mike WO9B, and Michael AA9RK.

We crossed into Illinois at about 1750 but didn't make our first QSO until 1812 due to some equipment gremlins which showed up neither Friday's shakedown cruise nor on the few QSOs we made on our 40 minute drive to the border. The radio cut out on the 5th character of our first CQ call and required some reboots, connector tightening, and additional ferrite chokes.

We took our usual route through LAKE, COOK, KANE, DEKA, OGLE, WBGO, BOON, MCHE, and back to LAKE on our way home. 40 meters seemed to be down early in the contest, both in terms of propagation and activity level. (As a point of comparison, we made 61% of our QSOs on 40 meters in 2022 and 51% in 2023, but only 33% this year.) Less time on 40 meters meant fewer Illinois counties worked (only 19 this year, along with 35 S&P and two DX countries). Both bands got better as the show went on and our rates improved.

See you in March as we plan to reunite the WO9B team (which is really the same people) for the Wisconsin QSO Party.

Rig: FT-891, 100 W

Ant: Screwdriver

Software: N1MM+ 1.0.10995.0

## **AD4EB mobile 1604 CW**

This was the 11th time Melody and I did the ILQP as a mobile, and it was better than ever. Our goal was to reach 1,500 QSOs, and beat our previous QSO record of 1,445. During our 30-minute drive from the hotel to the starting location, it was apparent this was going to be an exceptional event. The band conditions were fantastic, with booming signals on 40 thru 10 meters. What was not anticipated however, was such high participation for this last QSO party of the year.

I thought it would never be possible for us to exceed 1,600 QSOs (200/hour average) in an ILQP. With 30 minutes left to go in the contest we had 1,500 QSOs, and I was afraid the 40m pileup in our final county would dry up and leave us short. But luckily it didn't and we finished with 1,603. I took a chance this year and did not swap out the 10-15-20m antenna for the 80m vertical, which takes 5 - 10 minutes.

Melody did a great job driving, and I think she hit just about every county right on schedule. It was raining in the morning, but cleared off by early afternoon. The winds were strong, with crosswind gusts of 30+ mph. But she kept things smooth for me in the back of our KIA Carnival MPV.

Those that worked us 20 or more times include:

OM2VL (40)  
K1ZZI (37)  
VE3YT (33)  
WA0MHJ (33)  
AA3R (30)  
N0HJZ (30)  
N7IR (27)  
K5CM (23)  
N6MU (23)  
W8PI (23)  
WO4O (23)

N5KW (22)  
NE8P (21)

Congratulation OM2VL Laci for another stellar performance. The pileups were bigger than I ever remember in an ILQP. It was easy working those that called me off frequency (usually up), but after working them, it was a struggle working the ones that were zero beating. At times, in order to keep a decent rate, I had to abandon big pileups and QSY to a different band.

Thanks to everyone that worked us, hope you had as much fun as we did. And thanks to Jim N9JF, the WIARC, and everyone else that made this QSO party another success. And most of all, thanks Melody for your huge support in all 6 QSO parties this year.

73 - Jim (AD4EB) and Melody (KI4HVY)

### **K9KJ mobile 246 CW QSO**

Drove straight west on I-80 with stops in Cook County at the Lincoln Oasis, Will County, Kendall (Stopped north of I-80 in Gas Station) Grundy (Stopped at Wendys on Main - south of I-80), LaSalle (with stop at uncle Al's), then south on I-39 with quick Marshall, and Woodford. Then took Route 116 east into Livingston county, then Northeast on I-55 to route 17 (got caught by a really long train in Dwight), and entered Kankakee county where I then took I-57 home. I put it all to bed in Kankakee as I just had 20m, and by the time 6:15 rolled around, 20m was pretty sparse. Couple of takeaways that I will put on my Youtube site - listed under my callsign.

### **KF9D portable Whiteside County 490 CW 66 SSB QSO**

Portable Campout Operation at Morrison Rockwood State Park.

### **K9ABR Portable COOK 447 cw 199 ssb**

Operated portable with 71' EFRW. It seemed as though there was an overall lack of 80

meter activity which really slowed my rate during the last hour or two. As always, I had a great time and look forward to the next one.

KJ9B Portable 765 SSB QSO  
Operator(s): KC9GLR KJ9B

A fun father/son ILQP/POTA expedition on what turned out to be a very nice day.

### **W9YES Portable PEORIA County 171 SSB**

As an excuse to finally get my POTA 'Support Your Parks' weekend activator award (and because of the high-noise floor at my apartment), I operated portable from US-1003. I had some initial equipment issues getting everything setup and on the air, but once I was on the air I found a spot to run and had a run of 103 contacts on the 15m band. It may not be that impressive, but I don't think I've had a run this long before. I may have been able to keep going, but I needed a short break and thought it might be time to switch bands.

The 20+ mph winds made me a little nervous, and there was two times I had to go and adjust the antenna because the wind vibrated a joint on the tripod loose. The antenna never blew over though, so that's a success in my books.

I had planned to operate longer, but my laptop's battery had other ideas. It was also chiller than I expected; I wish I would have dressed a little warmer and brought gloves. I'm pretty sure I started losing my voice close to the end too, so it's probably the best that I called it and packed up.

While the weather wasn't exactly what I'd call conformable, I had fun and hope I helped people get the PEOR county mult they needed.

David | W9YES

Yaesu FT-891 - 100w - POTA PERformer

### **W0ZQ mobile 902 cw 364 SSB**

Operated single-op rover style from three different two-county lines. Mother nature

provided nice October weather and some 15m propagation. I don't normally operate so much phone but my interest in this one was making Qs, any Qs, for the State QSO Party Challenge. At my last stop late in the contest I had some unknown noise on 80m that made copy difficult, sorry for those that I may have missed. Thanks to the WIARC for sponsoring!

73, Jon

### **WA9LEY Rover 219 CW 224ssb**

Operated as a Rover with my FT891 and a Sporty 40 whip on a tripod. Pretty good conditions. Stayed on 20 until Cook when I switched to 40.

LaSalle 188 Q's  
Grundy 191 Q's  
Cook 64 Q's

## **Mobile Activity in October**

**As noted on W6RK.com spotting site during the month.**

At the beginning of the month, WY0A was in VA and KY putting out lots of counties. He was busy before the start of the month on a long trip.

KB6UF was putting out counties in LA

On 10 4, there was a busy CA QSO Party with lots of spots

W4SIG was mobile after that in NV, into CA more counties, then more between NV and CA following.

KG5OWB was active in South TX putting out some rare counties and giving the last WBOW out.

NF0N made a trip to MO putting out counties during his trip to a convention.

There was a busy PA QSO weekend.

KB6UF was out again in LA putting out counties.

N8OYY noted in park in MI

K5G noted in a few counties/parks in TX part of active KFF week of activity. Dozens of parks activated for the week long event. (few spotted but many on POTA and WWFF sites). More than a dozen 1x1 special event stations on the air hitting dozens of park sites/counties.

There was a busy NY QP with lots of interesting spots on W6RK. The following day, the IL QP had lots of spots.

After the IL QP, NU0Q ran even more in IL

W0GXQ and N0KV joint trip started in CO putting out many there. Still going as of end date of 10/26.

N9JF spotted in Park in NM and OK

KL5MH spotted on FT-8 in Second AK.

End date 10/26

## Nevada QSO Party

This was held the same weekend as others – including AZ QP. There were two county line expeditions, and maybe a dozen other NV stations on for a while. Most of our state folks worked 3 to 6 total QSOs, mostly cw.

There are 16 counties and one Independent City in NV for a total of 17 'counties'.

**From the 3830 contest reflector.** (Most folks had no comments – a hundred of them).

**K5CM fixed OK 6 CW 5 SSB 8 mults**  
73, Connie / K5CM

**N6MU 12 CW 23 SSB 19 mults**  
no comments

**N8II fixed WV 3 CW 2 SSB 8 mults**

Other than W7DLZ very little activity. Unfortunately, this QP is hanging on by a thread.  
Jeff N8II

## Arizona QSO Party

There are 15 counties in AZ. The way mults are counted, there is no way to figure out how many counties were worked.

From the 3830 contest reflector:

**WB7UOF Fixed AZ 375 CW QSO**

This is a contest that I really enjoy each year. It started off well and then my paddles got a short in the jack. Luckily, I had another set of paddles that I got familiar with in a short time and back into rhythm. The storms held off long enough to operate for about 11 Hours. The score includes the 100 bonus for working K7A on 3 bands (I think) Ha!

Rig: FTDX101MP @ 99 Watts

Ants: Triband beam at 45' for 10, 15 & 20m. EFHW (80m) at about 30' for 40 & 80 M.

Logging Software: N1MM+

Thanks for another fun year.

**K7ABC fixed AZ 342 cw 1222 SSB**  
K6LL Opr

Conditions were pretty good, with a solid opening on 10 Meters. I had so much fun running high rate on SSB that I kind of neglected CW and especially the CW mults, but that's the way it went down.

I used Jacki's K7ABC callsign rather than my usual K7L because I noticed that K7L did not get spotted as Arizona. K7ABC worked great, except quite a few people questioned me because my gender didn't match Jacki's picture on QRZ!

It was a lot of fun!

Thanks for all the QSOs!

**K7A fixed AZ - Bonus Station 339 cw 441 SSB**

K7A was the 2025 Arizona QSO Party Bonus Station.

Hopefully post-tropical cyclone Priscilla (which placed most of Arizona under the threat of thunderstorms during the AZQP) did not dampen activity too much.

Thanks to everyone who participated in the AZQP, especially any mobiles and expeditions that braved the weather.

I hope everyone had great ham radio fun in the AZQP!

73,  
Bill Clark / K6WSC  
Arizona QSO Party Chairman

Rig: FTdx10  
Amp: KPA-500  
Antennas: KIO Hex Beam, Alpha Delta DX-CC, elevated HF2V

**N8II fixed WV 24 CW 11 SSB CW Mults 14 Ph Mults 10**

I was going for a win in PAQP, looks good. I was too weary to try and keep up with the other 3 QP's playing one armed paper hanger. It seemed there was never a large amount of AZ activity when I was scanning the high bands for PA Q's. I worked a few spots. It seemed 10M was definitely ignored or prop was just poor.

Thanks for the Q's and 73, Jeff

## WY0A Trip Report

From K3IMC County Hunter Forum:

On my recent SSB only trip, I transmitted from 162 counties and made 4,408 contacts. Of those 4,408 contacts, 178 contacts were with DX stations. I made contacts with 140 unique calls of which 12 were unique DX calls. My contacts were with 34 different states and 8 different DX entities. Of those 4,408 contacts, the band breakdown is listed below:

10 meters - 255 contacts  
12 meters - 387 contacts  
15 meters - 505 contacts  
17 meters - 714 contacts  
20 meters - 1,088 contacts  
40 meters - 1,105 contacts  
75 meters - 354 contacts

Thanks to everyone that rode along with me!

WY0A 10/20/2025

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The upper bands are 'alive'. Look at the band totals! Also helps if you use a remote station far enough away from the mobile to get 12 and 10m contacts – hi hi.

## PA QSO Party

There are 67 counties in PA. All of them were on the air this year. Looks like 2 mobiles were out, with N4CU sipping through lots of counties. A good half dozen 'portable' stations, often at campgrounds in POTA parks, were also on the air. Lots of activity despite not great band conditions at times. As usual, LOTS of 40 and 80M activity as the folks tried to work each other in the PA counties for multipliers.

**From the 3830 contest reflector:**

**N2CU mobile 702 cw 270 SSB**

That was fun as usual. Started slowly In ERI but as the contest wore on things picked up. I suspect most PA stations were mostly running and not searching for mobile(s) :(

Thanks to all who gave me multiple contacts and followed me on [mobiletracker.stateqso.com](http://mobiletracker.stateqso.com). The problem was being in such mountainous terrain with no cell service quite often, so I relied on stations to spot me - a big thank you! It was a beautiful weekend to be driving through the forests on NW PA with the leaves in full color and plenty of wildlife. I saw deer, fox, porcupine, turkey and a first for me, elk. While returning from my last stop in CLI, I saw 5 elk, including a large bull. Strangely, they didn't scatter like deer often do but just continued grazing as I took pictures. Speaking of CLI, it was a very long drive from my previous location in CRN and then I drove forever up a forest road to get out of the valley. Thank goodness I didn't break down up there. However, as I was close to finishing up, a pickup truck came down the trail. I had to move over to let them by and then continued to operate.

Thank you to all for the QSOs, especially these big hitters (>10 QSOs): OM2VL 26, K2QO 18, N8II 16, KC3M 12, W3G 11.

Look for me on Saturday as a mobile in the NYQP. I will be on [mobiletracker.stateqso.com](http://mobiletracker.stateqso.com) as well as the usual spotting sites. Don't forget to spot me just in case i don't have cell service, but I should not be in as rural and mountainous terrain as I was in PA :)

FTdx10  
Tarheel 75A

Toyota RAV4  
N1MM+

73, Tom N2CU

**W3G portable QRP 616 cw 259 SSB**  
Operator(s): AB1A K3JZD KB3ORR NK8Q

Portable QRP Multi-Multi from a cabin in Ryerson Station State Park on Windy Ridge in Greene County PA. Four Ops - Four QRP stations. All temporary wire antennas. Got all PA counties except Montgomery. The secret to QRP operation is to forget that you are running QRP. Had a great time.

**N3GJ portable 535 cw 403 SSB**

My third year operating PAQP portable from the camper, this year we were in Pymatuning state park. Condx held up for the weekend, 40M was great for in-state QSO's. Had 65 counties in the log by quitting time on Saturday night, leaving CLI and MOE for Sunday. Fired up Sun morning on 40 CW hoping to run across W3IZ in MOE but no luck. Switched to 40 SSB after about an hour and I tuned across the K3ALE team in CLI and got them in the log. Found a clear freq to call CQ when K3KLB stopped by and gave me the heads up that K3CU was down on 7163 working folks from MOE. After a few calls he was in the log for the sweep. Tnx to all the mobiles, rovers, county line ops and the other portable ops for activating the rarer counties and making the sweeps possible.

The portable station rig was upgraded to a Yaesu FT-710 from the Yaesu FT-857D that I used the past 2 years, and I also moved up to a Heil headset. After using the 857's stock hand mic, it was nice having two free hands for typing this year. Antennas were wire dipoles for 80-10 strung up in a few trees behind the camp site, and I flatten the SWRs out with an MFJ tuner. Tnx for the QSO's and will start planning soon to see where we can head next year. 73, George N3GJ

**AA3TZ portable 332 cw 284 SSB**

I operated from the campground on Blue Knob State Park in Bedford County. This

contest always has such a positive vibe! It's great how hams in the state band together to make sweeps possible, and out of state participation was also really encouraging.

Setup: FT891 running 100W, cycling through an assortment of batteries, switching to QRP KX2 when needed. Using a linked dipole was... annoying, but jumping up every now and then to catch a needed county on a different band kept me from sitting around all day.

Rain on the morning of 2nd put a damper on things, but the skies cleared up by noontime. I was so glad to get the 67 county sweep this year. My last two counties were Fulton and Monroe, made possible by the efforts of all the rovers/day 2 portable stations! I'm happy to have gotten over 600 QSOs this time, about 50/50 CW/Phone. A number of contacts with the bonus station N3XF are included in the score. We'll see what the log checker does to the final number. :)

**KN3A portable 134 cw 211 SSB**

Worked full event in York County this year.

Note de N4CD - all QSO on 40 and 80m

**OM2VL fixed DX 268 ccw 196 SSB Mults67**

Another great QP. Thanks Bud for organising again (as usually) great Party. My first plan was try to win NVQP Plaque (would be new state in my collection) and focused also to AZ QP and of course give points to PA stations. Condx was not good with high K index and AZ stations was so weak on high bands. When started te PAQP, high bands was full of PA stations, so the plan was changed :D

Thanks for the QSO's especially who was also on high bands, when 40m closed here. My BIG thanks to K7JN who called me 6 min before the end on 40m SSB and gave me my last missed county: LAW!

My last 4 counties for SWEEP was: 16:41Z K8RYU HUN(20m CW), 17:36Z N3UDI INN(15m SSB), 21:22Z N2DJS POT (40m SSB), 21:54Z K7JN LAW (40m SSB).

Most QSOs:

N2CU/M 26/6  
K8RYU/M 4/3

(12): AA3B  
(10): K3CT, N3XF  
(8): W3G, W3GH  
(7): KA3EEO, N3FCP, WG8X  
(6): 6x  
(5): 11x

73, Laci

**N8II fixed WV 157 309 Mults67**

Another PAQP in the books and like last year I was not well rested after a very busy week having the house painted, still not finished some small exterior work. Score easily beats 2024 but way behind 51K in 2023 when conditions were much better on the high bands. There was no direct F2 on 20 this year and I would say that 40% of my 20M and over 50% of 15M/10M QSO's were direct over the hills. By now I have a pretty good memory of where beam for the locals.

There were no high rate hours, best were 53 Q's at 16Z and 54 at 18Z. Best on Sunday was only 22/hr. I was feeling tired and think I had a pretty big lead, so I operated less Sunday than usual. I had some good runs on 40 SSB verified by the 225 Q's, but most of the time Sunday was painfully slow. Also on Sunday many PA stations were putting out a lot of RF with many unanswered CQ's at times occupying the entire General band. 75M was good for some run QSO's but activity as in all QP's has waned considerably. The biggest difference between my 2023 QSO's and this year was on 80M both modes. Most of what I could copy on 20-10M I could work sometimes waiting in line a while. I also had enough line noise to hamper copying weak signals on all bands except 40M which cost me maybe 15-20 Q's.

Congrats to Tom, N2CU/M for about 1000 QSO's mostly CW and for operating all bands except 160? I worked him once on 15M scatter right in my noise, good ears! Thanks also to rovers N3IDR, K8RYU, K3YTL, and K0BAK. Most ops would have missed Monroe County without the stop from K3YTL. I somehow missed AA3B on 40 and 75M SSB but got him everywhere but 160 on CW, great job as usual!

My sweep was quite easy only sweating out finding Monroe County on Sunday. I heard

someone there Saturday working a runner on 40 SSB. Then I heard K3CU working a PA runner on Sunday at 1416Z who was nice enough to let me work K3CU giving me only NR 8! I worked K3YTL/R there later on 40 CW. Activity from sometimes very rare FRA next door was decent and FUL was covered by a couple of rovers (K8RYU) and AG3I was on a bit Sunday. So, I am pretty certain at least 2 QSO's were made with each county.

There has been some whining about PAQP activity being on the low bands where distant ops cannot reach them for many hours. PA ops please be aware that there were 10 NEW IN STATE PLAQUES offered in almost all in state categories for the most 20+15+10M QSO's, 100 QSO's minimum. I didn't notice any uptick in high band activity from here stats need to be analyzed. Probably many were not aware of the new plaques this year. If the plaques don't succeed, perhaps points per QSO could be increased. This is basically "shooting myself in the foot" to mention high band incentives.

Also, please be aware that you cannot "hold a reservation" on any run frequency. If you leave it for more than 30-60 seconds and come back, you don't have the right to complain to a new occupant that you had been there. This is generally accepted contest/QP practice. Some ops wasted a lot of time sending their call during not at the end of a QSO and repeating back the received info every time. Usually the fewest words are best.

Many thanks for all of the CQ answers and QSO's. The PAQP is one of my favorites. I have relatives in PA and my mom was born there. We go to a couple of PA State Parks quite often.

73, Jeff

## New York QSO Party

There are 62 counties in NY. Looks like all of them on the air with more than 6 mobiles, and many 'portable stations' in various counties. Now with POTA, often portable stations operate from 'parks' – maybe camping, motor home, maybe renting a cabin for the weekend. Bands very busy, and of course, much activity on 40 and 80m as folks in

state tried to work the NY counties.

From the 3830 contest reflector:

### **N2T mobile mult op 1502 CW QSO**

Operator(s): N2ZN N5OT

The RadioCar (N5OT/M) lives at my home QTH in Oklahoma. I drove it to New York for the NYQP. I saw friends along the way, and when I got there, I met up with my operating partner Ken, N2ZN, and we stayed in a great house we rented with two other mobile teams, K2V (Mike, N2MG, and John, KD2RD) and N2A (Mark, AG9A, and Rus, K2UA). Ken and I would be N2T. We got there Friday and we departed Monday. That was about the best ham radio contest camaraderie one could ask for!

As you can imagine, we plotted and planned. Part of the planning was food. Kudos and big thanks to Mike N2MG for taking that one. I made the same radio-active waffles that I served at N0AX for the IARU contest, but they had passed their half-life and nobody was hurt. Notably we brought about 3/4 of the beer home afterwards. Picture 6 old guys who can't put it away like they used to. Who are in denial about growing older. Ham radio is magic I tell you.

The New York QSO Party was a blast again this year! Thanks again to Chairman Rus, K2UA, and everyone on the NYQP committee who are working so hard to make our NYQP a successful event. I know I speak for all of us: we enjoyed this opportunity to put so many New York counties on the air. Ken and I were responsible for 21 counties as N2T. To everyone who worked us, thanks again for all the QSOs.

Ken and I were in the N5OT/M RadioCar which accommodates a driver, an operator, a radio, a solid-state amp, antennas and a separate battery big enough to power all of it for a two-day State QSO Party (NYQP is a one-day affair). We used two different antennas: a Tarheel mounted in back that can do all the bands from 80 to 10 meters, and a dedicated 40 meter homebrew antenna mounted in front. Having the extra 40 meter antenna makes band changes faster when 80 meters is involved (moving the Tarheel between 80 and 40 takes significant time). The amp is a legendary SGC Power Cube. We ran between 300 and 600 watts output, depending on the band. Our transceiver is a Kenwood TS-480SAT.

The RadioCar design is based on Best Practices developed and refined by K2UA. FWIW it's a 2007 Toyota Highlander FWD 4-cylinder.

What would a contest like this be without a few failures? We had RF inside the car to where 10 meters was a total loss. We gave up trying to fix it. Although 10 meters worked fine in the California QSO Party only two weeks earlier, of course I made a number of changes ("improvements" to the RadioCar) but didn't scope out their RF effects until Saturday morning before the start of the New York contest. With maybe 15 minutes to go before the contest we decided we would just do without 10 meters. Our apologies to those who asked us to QSY.

A bigger failure took place once we got going, when the SWR on our front homebrew 40 meter vertical, based on a Hustler high-power resonator, began to drift around. Although we could accommodate the unusual SWR behavior and we kept making QSOs (we have more QSOs on 40 than we do on 20 ... who would have thought?), when we took that antenna down to stow it after the contest, we discovered the Hustler high-power resonator had heated up more than it was designed for, and was notably melted and deformed. Good thing it wasn't an FT8 contest :-). Anyway, I will employ a stouter coil for this antenna in the future, and mount the (melted, deformed) Hustler resonator on the N5OT Wall of Shame!

This year for the first time, we did all our navigation using computer and web-based tools during planning, then imported it all into the onboard Garmin GPS in the RadioCar for execution. This gave us unprecedented control of our route and schedule so we could post it in advance, and tweak it, then during the contest we also had an accurate visual on county lines. Ken and I were able to stick to the route (with a few notable exceptions) and also accommodate a little straying from it, here and there. When we got to the end we had covered all the counties we had committed to covering, and operated the last few minutes parked off the road just a short distance from our Airbnb. Thanks to Jim Hall, AD4EB and his wife Melody for showing us the Best Practices for planning the route and navigation.

To top it off, this year, there was a new QSO Party Tracker utilizing APRS working for the NYQP. It's called mobiletracker. We fired up APRS in the car (simple and self-contained with a phone app) and people could follow us around the state in real time (i.e. in 1 minute increments except when we did not have cell coverage). We have heard many comments about how cool that was. This is the work of KC8FDU, K1RA and K2UA. Thank you, Gents. Rumor has it this tool will be available to all the QSO Parties that want to use it next season. Frankly I can't think why any QSO Party would not want to use it! It makes the whole thing even more fun for everyone.

Radio conditions were not stellar, but the weather was the usual spectacular Northeast

Fall weather. We shared the road with Leaf Peepers. It was very pleasant. Then at the end, we all wound up back to the house to celebrate.

Kudos to all the mobiles who activated so many counties. Thanks especially to all the housemates. It's an honor to be among so many great and dedicated contestmen.

See you in the next one!

73 - Mark N5OT (with Ken N2ZN)

### **K2A multi op mobile 1461 CW**

Operator(s): AG9A K2UA

23 counties, counterclockwise from SCU (SW corner) to WAS (NE corner). More to follow later but AG9A and I reprised our 2023 operation on a different route, and we had a fantastic time! Great weather, incredible activity, and terrific competition! This time the N2T team of N5OT and N2ZN edged us out by 3% in QSOs but that didn't dampen the enjoyment one bit for this OM. I am so excited to see NYQP growing so quickly! Thanks to all who followed us on mobiletracker.stateqso.com on APRS, and various spotting networks--we could tell that it was all working--and we already have more than 420 logs in the hopper just 2.5 days after the closing bell. Please be sure to get your logs in on time! Looking forward to doing the writeup for this fast-growing state QSO party and having it out earlier than last year! Photos and stories are most welcome--send them to k2ua at arrl dot net!

### **AD4EB mobile in IL 30 CW QSO**

Operated in this contest to test out my mobile rig in preparation for the ILQP the following day. Was able to track the mobiles using their APRS application, worked like a charm. 73 - Jim - Ad4eb

N2CU mobile 1338 CW 222 SSB

Great participation! Thank you to all who followed me from county line to county line. The rates were phenomenal, for me anyway. Several states really came out to play: Minnesota, Illinois and Texas leading the way. Even DX showed up, led by OM2VL. I

only worked 24 NY counties, 40 states and 5 Provinces, but I didn't have time to search them out. All QSOs were made running.

Too tired now to do much of a writeup.

FTdx10  
Tarheel 75A  
N1MM+

73, Tom N2CU

**N2B mobile 264 cw 63 SSB**  
N2BEG opr

Operated SO mobile from 4 counties in northern NY. Clinton, Essex, Hamilton and Franklin was going to do county line operation, but opted out due to rig control and logistics with driving. Operating time was 8 hours, 4 hours driving when I couldn't operate/log. Had a blast, Beautiful weather and some nice foliage still. Special thanks to my host Pete who lets me use his remote cabin for home base

**K2QR mobile 94 SSB QSO**

The band conditions made qsos difficult. I drove 220 miles, activated 5 counties, and 3 parks. I hoped that my score was higher. well, maybe next year!

**N2TO portable RICHMOND 45 cw 145 ssb**

Thanks for a great contest. Outdoor portable, Richmond County, FT-857D, CW 5W, Phone 20W, homemade 44' center-fed inverted-vee doublet up 18.67'.

**N2Y portable 1200 cw 1444 ssb**  
Operator(s): KI2D NK2Y

We've been planning this for months, and then the sun had to get busy and mess up with the bands (Kp index of 6 !!!). Still, we got decent results but we were hoping for a few more QSOs.

Our raw number of QSOs, before accounting for county lines and such, was 1,322; with 600 on CW and 722 on SSB. (The number of Qs listed above in the Summary is already doubled for county lines, but does still include duplicates, while the final score claimed ignores dupes)

We operated from two different locations, both county lines and POTA sites.

We started at Bear Mountain, with amazing views of the Hudson river and NYC in the distance, where we ran with ORA/ROC and POTA US-2010. And then after 4pm we moved across the river to Shrub Oak, where W2IG had already been operating since the morning but was ready to call it a day, so we took over and activated as PUT/WES and POTA US-2048 until the end of the Party.

Jay NK2Y did CW on his ICOM IC-7100, a Begali expedition key, a Winkeyer, and an inverted V with 60 feet of wire on an ICOM tuner.

Sebastian KI2D did SSB with his Yaesu FT-DX10, using a SOTABeams linked dipole for 40m and 80m on an HRD Industries Lil Dude 6 mast, and a Tarheel Designs Little PRO-HP Portable kit on its tripod for 20m.

This was the very first serious contest using Ham2K Portable Logger, with each station using networked iPads with bluetooth keyboards. There are some bugs to fix but overall it worked very well.

**W2M portable YATES county 766 cw 261 SSB**  
Portable in an unheated cabin with wire antennas.

**OM2VL fixed DX 322 cw 60 ssb Mults58**

Thanks for the QSOs! Not so good condx, but fortunately I heard many station also on high bands on CW. I tried many times also SSB, but only few callers.

15m opened very good 2nd time during the local night, but unfortunately no SSB takers. Later, when condx dropped down here I seen so many NY station spotted on 15m, but for me it was to late.

This time it was very close to SWEEP :(

I missed only 4 - BRX, CGO, NEW, QUE. KE2EEQ from BRX I called so long time, but don't heard me.

Most QSOs:

N2CU 44/12

K2A 38/22

N2T 27/20

N2Y 22/4

K2Q 16/10

K2V 14/10

N2B 8/4

KV2X 5/5

73, Laci

**N8II fixed WV 251 cw 168 ssb      Mults61**

A lot was happening on the sun last Saturday, some pretty wild swings in propagation sometimes to the advantage of closer to NY ops like me. The Worked All Germany test activity was a real nuisance to us trying to sometimes work weak NY ops on scatter here, not an ideal mix of contests. My first 2 hours were spent mainly on 40M able run some NY ops on SSB, but never a long sustained run. First and best rate hour was the first hour with 51 Q's. Almost all of the CW Q's on all bands were search and pounce. It looked like a long day was ahead with only a few scatter Q's possible on 20 CW. Around 1615Z 20M started to open pretty well direct F2 to the upper 2/3 or so of NY. Some scatter Q's were also possible on 15M almost entirely CW. After working most of what I could on 20 and 15, I would spend some time on 40 as well in the 18Z hour. At 19Z 20M was nearly closed direct prop. The good high band times resumed at 20Z working NY direct on 20 and a good number of scatter Q's on 15 until about 2040Z when again the high bands took a dive from here. Returning at 2147Z after a short dinner break, the high bands were simply amazing with strong scatter on 15 and all of NY loud on 20 almost certainly a sporadic E opening. Eastern TN only about 340 miles away was loud on 15M. Unfortunately, the majority of NY SSB ops had already moved down to 40, so

running was not productive on 20. The WAG and POTA QRM at 18Z also prevented any decent 20M run then. 80M was open well at 22Z but the activity started firing up around 2245Z when most of NY was in darkness. I worked pretty hard to not miss possible Q's on 80/75M (forgot to check 160 near end). As is usual all 2025 QP's the NYQP 75M activity was way down from levels in 2022 and earlier when solar activity was low and 40 "went long" very early. The last hour was hampered by a significant solar flare, NY signals on 40 were skipping over here with extreme flutter/buzz and 80M NY signals were fluttery and down in strength a bit. It was a very active unstable sun for sure!

Many thanks to the mobiles and rovers for a significant boost to everyone's score. K2A/M seemed to be most active, many Q's made on 20 and down. N2CU/M was off for quite a while moving between county lines, some inopportune moves during the best high band prop but he still managed well over 1K Q's; thanks for some SSB activity and the self-spots which made finding Tom easy. N2T was worth many Q's but seemed to disappear at times. N2Y covered all the bands from their line operation.

I worked all of the counties except the biggest apple of all, New York, Hi! Strange that someone isn't active with a balcony stealth antenna or similar, but I assume the local QRN/electronics crud is an issue. I had enough line noise to hamper me on all bands to some extent, did the best I could. KE2EEQ in Queens was weak on 20 CW but we made it. KA2YEG called me on 40 SSB from BRX and at 2327Z on 40 phone K2OEQ was caught from WAY for #61.

Many thanks for all of the calls and QSO's; I doubt if I can top this score unless conditions are even better or more activity occurs. I started a bit tired and finished even more so.

73, Jeff

## South Dakota QSO Party

There are a load of counties in SD. Looks like top scorer claimed 11 counties worked, with most folks reporting just a handful of contacts and 3 to 6 counties worked.

It was at same time as very busy PA QSO Party.

From 3830 reflector:

**KEØYBL rover 1048 SSB QSO**

Operator(s): KEØSAM KEØYBL N4ARH

Thanks for another fun SD QSO Party!

**KA6BIM fixed OR 3 cw 8 ssb Mults7**

Thanks for putting SD on the air. I still need to find a Dewey County station to complete SD for US Counties award Thanks for the QSO's Dave ka6bim

**N8II fixed WV 4 CW 8 SSB 9 counties**

I heard no mobiles. I only heard KEØYBL on his 3 county line several times on 20 SSB; were other bands or modes used?

I was seriously working the PAQP. Perhaps more seasoned SD contesters or anyone for that matter could be convinced to put in at least a few hours in their QP; activity seemed quite low.

Thanks and 73, Jeff

## Current N4CD Mobile Set Up

The early part of this year, I retired the 2016 Chevy Malibu with 173,000 miles. Nearly zero problems with it in almost 10 years of county hunting. A bit of a problem at the end replacing an oxygen sensor and the mass air filter after a few false leads. Otherwise in great shape but a lot of miles. Sold it locally. Had a few scrapes on rear trunk deck and roof from mag mounts but still a good car for someone.

Looked around at other cars. For some reason, most cars are 'back breakers' for me. I

want zero lumbar support. No bum. I'd like to buy a Subaru Forester but the seat kills my back. Same for Honda and most Toyota, Mazda. I will never buy a Ford (they don't care about noise).

Well, they stopped making Malibus in Nov 2024. Dumb move on Chevy's part but GM went off the cliff on EV mania. For some reason, GM cars have seats I like, especially ones with power seats – you can eliminate the lumbar bump. So I looked around – and looked. For some reason, my local Chevy dealer wound up with 4 new Malibu in Feb. A few months old, but then again, often the new car you buy was made a few months ago.

I'm not too good at getting wires through the dash. Bought two rolls of #10 silicone covered flexible auto wire – one red, one black. Went over to my local 'Toy Store' that sells car audio equipment and gizmos. They install lots of high power amps, big speakers, etc. They are experts at getting wires to the places you need.

Had them run the wire from the battery to the passenger side – and the wires emerge along side the passenger side door from the bottom 'wire run'. The red wire runs to the battery. The black wire just to an immediate ground in the wire run.

In modern cars, the negative lead should go to ground. Everything in the car – the lights, the radio, a/c, etc, go to ground. Not to the negative terminal of the battery. In modern cars (last 20 years), there is a sensor on the neg lead from battery to ground. It measures current flow. It tells the car battery computer how much to charge the battery at any given time. If you hook your negative lead to the battery, you defeat this and can actually run your battery dead even while engine runs.

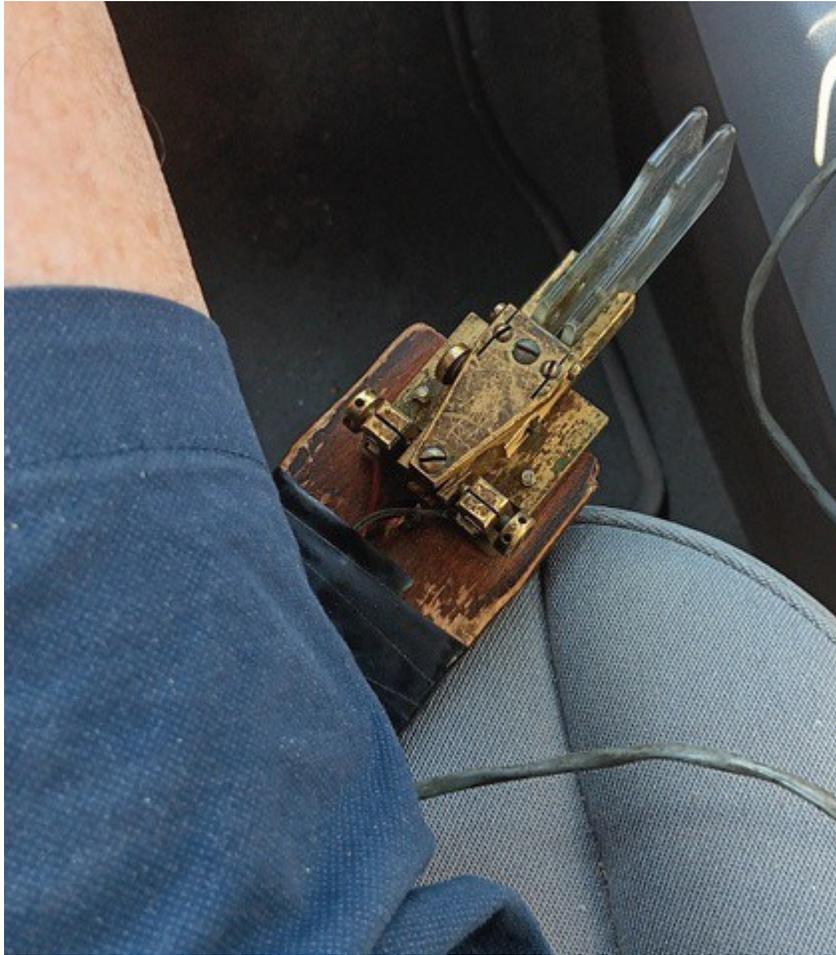
Of course, fuse the red positive lead. At the battery.

The IC-7100 sits on the center console. My key – a Schurr Mobil-key sits under my leg. You might think it strange but I've used it this way for 500,000 miles of driving and hours of sitting in parks. Works for me. It's 30 years old, plus. It has no springs to fall out and the adjustments are locked down. They don't sell it any longer as a Mobil-key – but you can buy the paddles mounted on a base from Schurr for home use.

The radio is mounted under the passenger seat.

I use a decent external speaker. PLUG IT INTO THE RADIO, not the radio head.





Schurr Mobil-key

In the past, I've used a 3 magnet mount on the trunk deck – with 6 foot mast with 40,30,20 and 17m resonators. So far, I haven't used that on the new car. Also in the past, used a 5 magnet mount (5 inch ones) on roof top. Found that a 20M full size hamstick was 2 S units better on roof than the rear mounted 20m set up on trunk deck. Hmm..... Now that I stop and run a lot of parks, it's seems better to use the 'louder' antenna. 2 S units is significant. Can't explain it other than rooftop is much better ground plane compared to trunk deck.



N4CD at US-4423 – My local park

## Awards Issued

### **Roadrunner Award:**

KB6UF attained 2550 last counties and received #2

KB6UF attained 2525 last counties and received #2>BR>

W0GXQ attained 1775 last counties and received #4

W0GXQ attained 1800 last counties. he received #4

N0KV attained 1075 last counties and received #14

WY0A attained 525 last counties and received #39

AB7NK attained 1550 last counties and received #6,

**Ran All State Award:**

N8MD completed all Wisconsin counties and received #37

**USA-CA Award:**

N2CR attained level 1500 and received #1629

**USA-PA Award:**

KE3VV completed all "W" prefixes

## Events for County Hunters

Well, the fall QSO Party season is - OVER. Nothing in November other than lots of contests including Sweepstakes. Winter is approaching and northern weather is not ideal for QSO Party mobiles! It will be a couple months for activity to resume in the spring.

Meanwhile, you can check out contest activity at the monthly ARRL Contest Corral, courtesy of ARRL.

<https://www.arrl.org/files/file/Contest%20Corral/2025/November%202025%20Corral.pdf>

Very big yearly Sweepstakes – one weekend SSB, one for CW. A hundred thousand contacts will be made.

However, there will still be hundreds of POTA parks on the air every month. Nothing slows down the hardy northerners who go out in snow and ice. Of course, southern ones have usual decent weather to activate. Whatever rings your bell - there all in counties. For the CW ops, there's always the CW Test sessions each Wednesday. Lots of ways to make contacts. Mobiles will be out on trips so keep watching and listening.

See Parks on the Air site.....or the Parks on the Air site on Facebook – lots of reports/pictures there. Over 100 counties per week.

73 de N4CD

