

County Hunter News

September 2022

Volume 18 Issue 9

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

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 . Please check it out.

Back issues of the County Hunter News are available at www.CHNewsonline.com

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

Notes from the Editor

N4CD Rumblings

1) Sunspots – We got them. We also have many days of 'solar winds' and disturbances but on the whole, it's better than years ago! The upper bands spring to life at times. Digital always seems to work and many state QSO parties now allow digital contesting.

2) Gas prices. Well, gas has fallen about 80c/gallon but still up more than a dollar from two years ago. It's near \$3.20 here locally and \$3.05 at the Costco. Average US price is now under \$4. Then it went back up to \$3.45/gal. I'm still headed to MT via the TX QSO Party route to NW TX, then up through CO to WY to MT. Quick trip to WA to a park there then back home via ND. Nationwide, prices should be under \$4 by October after summer travel ends- hopefully low \$3 range.

3) Weather. Darn. It's been a record hot summer with over 40 days here above 100F. Sizzling hot. I'm looking forward to cooler weather. The 'heat wave' has extended to the east coast at times and up to SD. We're now approaching 'hurricane season' so keep an eye on the weather down south and along the coasts. At the end of August, Dallas received 11.9 inches of rain in 24 hours. Less at my QTH, but major flooding 20 miles south. One third of a year's rain in 24 hours! Should be back to normal soon. A few snow flakes fell at Berthoud Pass CO this month. Might be chilly in MT in October so bring some warm clothes for the Annual Event!

4) MARAC Convention. Planning well underway. Folks signing up. Should be nice and cool in MT in October! Gas prices down so trips are a bit more but not ridiculous price travel these days. Hope to see you in Bozeman!

5) New Cars – It looks like EV's are in the future. Not many successful reports of radio operations in EV's although the Generation 3 Prius Hybrid seems to allow some good HF operation. Most hybrids are HORRIBLE. Who knows what county hunting will be as we have little choice other than EV's in 10-15 years to drive? Probably operation while stopped on an auxiliary LiON battery! Meanwhile, if you buy some regular cars, beware – many roof panels are now plastic so mag mounts won't work! Bring a small magnet while car shopping!

Most EV's won't even come with AM broadcast radios. Teslas have no AM radio capability. The car noise wipes out AM. Europeans are probably better at EMI but buyer beware. Only decent EV so far from EU is the VW ID4.

Since lithium is up 750% in the last 2 years, EV prices are through the roof other than the Chevy Bolt which is still under \$30K. Teslas start at about \$60K and there is a year long waiting list!

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 Sept. 1 2022 to guarantee the rates. Rates now good till 9/1
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) •

Donna AG6V, convention host.

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.

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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.

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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 to AK

Visit to Wrangell-St. Elias National Park

In July my grandson Hudson (W5HTD) and I traveled to Alaska. The plan was to enjoy the sights of three national parks and enjoy some fun adventures together. Radio was a secondary thought although I did take my Icom 7300, a laptop for FT-8, mag mount and mobile antennas for 17 and 20 meters. I was hoping to activate the only three parks

accessible via road (Denali (POTA K-0022), Wrangell-St. Elias (K-0069), and Kenai Fjords (K-0045)) for both county hunters and POTA hunters.

Of the three parks, the most remote is Wrangell-St. Elias. It is a 7-8 hour drive east of Anchorage. The last 60 miles of road is mostly dirt/gravel. At the end of the road you can park the car (\$10/day), walk across a bridge over the Kennicott (spelled with an "i") River, and take the local shuttle to the small "town" of McCarthy (population 107!)

The normal car rental agencies won't rent you a car to travel to McCarthy due to that gravel road and busted windshields. So you have to search around to find one that will - rental costs (even for national brands) is around \$ 250/day during summer months in Alaska!

The park encompasses 13.2 million acres and is the largest park in the U.S. National Park system. Within the park boundaries are 16 of the highest peaks in the U.S., including the second highest - Mount St. Elias at 18,008 feet. The park also includes around 1,700 square miles of glacial ice - around 60 percent of the glacial ice in Alaska.



Car, antenna , entrance station



The major draw for visitors to the McCarthy area is the Kennecott (spelled with an "e") Mines National Historic Landmark. This huge mill town complex of barn-red buildings operated from 1911 to 1938 mining the almost 70 percent pure copper found in the nearby mountains. The Copper River and Northwestern Railroad was built specifically to take in supplies/equipment and bring out the copper ore. Kennecott was truly a "company" town where no liquor or families were allowed. This led to the development of nearby McCarthy as the source of "adult entertainment" for the off-duty miners and railroaders. Must have been a true "wild west" town! By 1938 the rich copper ore deposits were depleted and both the mines and the railroad were shut down.



Kennecott Mine



Train trestle



Kennebec River and Glacier

Along the stretch of road going to McCarthy, the land can belong to the state, a tribal corporation, private individuals, or the National Park

Service. You can see a sign "Entering the Park" and another sign saying "Leaving the Park" either 1/4 mile down the road or 5 miles down the road! Fortunately, I found a nice parking spot in the park just a couple of miles near the end of the road to McCarthy. No cell service, of course, but I was able to operate three times getting 59 contacts on CW,



Downtown McCarthy AK

FM, FT-8, and SSB. Operating that far north is always a challenge with propagation. A number of county hunters were able to make it into my log for both the park and 3rd Judicial District credit.

Rick AI5P

P.S. Nice time but bring \$\$\$ if you visit Alaska hi... 73 Rick AI5P

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More on the Kennecott Mine story de N4CD

In June of 1998, the National Park Service acquired many of the significant buildings and lands of the historic mining town of Kennecott. Listed on the National Register of Historic Places in 1978 and designated as a National Historic Landmark since 1986, Kennecott is considered the best remaining example of early 20th Century copper mining.

The Kennecott Mines National Historic Landmark includes the land and mining claims that formed the foundation for the Kennecott Copper Corporation, later the Kennecott Minerals Company. The operation had two components: the mines where ore was extracted from the mountains, and the mill town where the ore was processed. From 1911 to 1938, nearly \$200 million worth of copper was processed. At the peak of operation, approximately 300 people worked in the mill town and 200-300 in the mines. Kennecott was a self-contained company town that included a hospital, general store, school, skating rink, tennis court, recreation hall, and dairy.

By the late 1920s, the supply of high-grade ore was diminishing, and Kennecott Copper Corporation was diversifying into other North American and Chilean mines. Declining profits and increasing costs of railroad repairs led to the eventual closure of the Kennecott operation by 1938. By that time, the corporation was well on the way to becoming a multinational giant.

Stabilizing a Landmark

Many of the buildings in Kennecott have been abandoned for decades. Some are in need of immediate stabilization to keep them standing, while other structures have deteriorated beyond the point of saving.

In the summer of 1900, prospectors Clarence Warner and “Tara n - tula” Jack Smith were exploring the east edge of the Kennicott Glacier. As they drew closer to the limestone-greenstone contact, along which US Geological Survey geologist Oscar Rohn had predicted copper would be found, they were amazed by the magnificent green cliffs of exposed copper. Samples from their discovery, the “Bonanza Mine Outcrop,” revealed up to 70% pure chalcocite, one of the richest copper deposits ever found.

Mining engineer Stephen Birch, in Alaska to look for investment opportunities for the wealthy Havemayer family, began buying up shares of the Bonanza claim. However, without a way to transport the copper to market, it was worthless. Some said building a railroad from the coast, across mountains, powerful rivers and moving glaciers would be impossible. Others offered a glimmer of hope. The Havemayers collaborated with J.P. Morgan and the Guggenheim family, forming the Alaska Syndicate, to build a railroad and develop the mines. In the fall of 1907 the Alaska Syndicate hired Michael J. Heney, builder of the White Pass & Yukon Railroad. For the next four years his crews worked relentlessly, building rail bed and

bridges through difficult terrain at temperatures down to 40 degrees below zero. At the same time, Stephen Birch was in Kennecott developing the mining claims. By hauling an entire steamship, piece by piece, over the mountains from Valdez to be reassembled on the Copper River, he was able to bring equipment in by dog sled, horse and steamship to begin mining ore even before the railroad was finished.

The first train left Kennecott in 1911 just ten days after the railroad was completed, filled with \$250,000 worth of copper. Kennecott was a place of long hours and hard, dangerous work. At the height of operation, about six hundred men worked in the mines and mill town. Paying salaries higher than those found in the lower-48, Kennecott was able to attract men willing to live and work in this remote Alaskan mining camp. Miners often worked seven days a week, coming down only for the rare holiday or to leave Kennecott. Mill workers and miners came to Kennecott only to work, living in bunkhouses with little time off, often sending money home to their families around the world. Despite the dangers and grueling work, the Kennecott workers mined and concentrated at least \$200 million worth of ore.

Reaping profits fueled by America's high demand for copper, Kennecott Copper Corporation invested in mines in Chile and the lower-48. By the time the Kennecott mines closed in 1938 the corporation had grown into one of the largest minerals companies in the world, due to the perseverance and ingenuity of its founders, investors and workers.

Mobile Activity in August

Wow....despite a renewed sunspot cycle, activity was minimal in August.

At the beginning of the month:

NU0Q was running in MT and WY into ID n a long trip. Putting out dozens and dozens of counties. After many in ID, back into WY for many there. Then into SD after 11

days of August running, QRT in SD and headed on home.

KB6UF noted running counties in LA

N3MRA spotted once in NM

W4SIG noted running in TN

It got real quiet mid month with just a park or two spotted each day for a week.

NN9K noted in a park in IA

Toward the end of the month

KA4RRU noted in several in VA

Not a whole lot of county hunters out on trips this month. It should change next month as half

a dozen mobiles start on trips to Bozeman MT and the County Hunter Convention 2022!

Also state QSO Parties kick off with KS, OH, HI the last weekend of August and TX the second weekend of September.

Note: Hundreds and hundreds of Parks on the Air were active – mostly SSB and FT-8 but some CW ops. If you're hunting counties, that seems about the best way when no mobiles are out and about.

Peak Oil Revisited

We Appear To Be Very Close To Peak Global Oil Production, And That Has Enormous Implications For The Entire Global Economy

What do you think is going to happen when we get to a point where the world simply cannot produce any more oil than it is already producing? It is often said that “energy is

the economy”, and to a large degree that is true. Very wealthy nations with large GDPs tend to use a great deal of energy, while very poor nations with small GDPs tend to use a lot less energy. Just about every form of economic activity requires energy, and so those countries that have a high level of economic activity require more of it. Of course we live at a time when the total population of the world has been steadily increasing and global demand for energy has soared to unprecedented heights. Production has struggled to keep up with demand, and now it appears that we will soon reach a point where we are simply not able to produce enough for everyone.

The “green revolution” was supposed to rescue us from this fate, but the “green revolution” has failed miserably.

Just look at Europe. They told us that they were shifting to “green energy”, but they just kept becoming more dependent on Russian natural gas instead. Thanks to the war in Ukraine, much of the population of Europe could get extremely cold this winter.

Despite all of the efforts to push us toward “green energy”, our world is powered by traditional forms of energy and that will continue to be the case for the foreseeable future.

And the most important form of traditional energy that we rely on is oil.

Today, there are just three countries that collectively produce close to half of the total global supply of oil...

Despite widespread talk about peak oil demand, the truth is that, for now at least, consumption keeps growing. The world relies heavily on three nations for crude: the US, Saudi Arabia and Russia. Together, they account for nearly 45% of global total oil supply.

Everyone has always assumed that Saudi Arabia could produce a lot more oil per day than it is currently producing, but it turns out that was not true at all...

During US President Joseph Biden’s trip to Saudi Arabia, the world was so focused on how Crown Prince Mohammed bin Salman would respond to his plea to pump more oil immediately that it missed a bombshell: the level at which Saudi oil production will peak.

It’s a lot lower than many anticipated. It’s lower than the Saudis have ever intimated. And with the world still hungry for fossil fuels, it spells long-term trouble for the global

economy.

Oh yeah, that definitely means big trouble for the global economy.

The Saudis just admitted that “maximum capacity” is 13 million barrels a day, and that figure shocked just about everyone...

For years, Saudi oil ministers and royals have sidestepped one of the most important questions the energy market faces: What is the long-term upper limit of the kingdom’s oilfields? The guesstimate was that they could always pump more, and for longer; if the Saudis knew the answer, they kept it secret. And then, almost casually on Saturday, Prince Mohammed broke the news, revealing that the ultimate maximum capacity is 13 million barrels a day.

If the Saudis can’t do it, where will we turn for additional capacity?

We could always try to do more drilling here in the United States, but the truth is that conventional oil production in the U.S. peaked long ago. In a desperate attempt to become less dependent on foreign oil we ramped up unconventional oil production, and that created a “mini-boom” for a time...

Many early peak oil analysts predicted that the maximum rate of oil production would be achieved in the 2005-to-2010 timeframe, after which supplies would decline minimally at first, then more rapidly, causing prices to skyrocket and the economy to crash.

Those forecasters were partly right and partly wrong. Conventional oil production did plateau starting in 2005, and oil prices soared in 2007, helping trigger the Great Recession. Afterward, however, there was strong growth in production of unconventional oil from deepwater wells and Canadian oil sands, and especially from tight oil (also referred to as shale oil) extracted by horizontal drilling and fracking. The US, whose petroleum production rate had been generally declining since the early 1970s, hit new all-time highs as tight oil gushed from North Dakota and Texas.

But now we are reaching the limits as far as what we can do with unconventional production.

It is becoming increasingly difficult and increasingly expensive to get oil out of the ground, and that is a huge problem.

Cheap oil fueled our economic boom times for many years, but now those days are over.

As for Russian oil production, there is so much that we don't know.

But I did find it alarming when I read that oil shipments to China and India are way down...

There are tentative signs that Russia's diversion of crude oil to Asia from long-time European customers is faltering. Shipments to China and India are down by almost 30% from their post-invasion peak.

And the Russians have told us that they expect oil production to decline "by as much as 17% in 2022"...

Russia may see its oil production fall by as much as 17% in 2022, an economy ministry's document seen by Reuters showed on Wednesday, as the country struggles with Western sanctions.

The United States has banned Russian oil imports, while Western sanctions against Russian banks and vessels had crippled the oil trade, one of Moscow's key sources of revenue. The European Union is also considering fully banning Russian oil.

Global supplies of oil have been getting tighter and tighter, and there have been stretches this year when daily global consumption of oil has exceeded daily global production of oil.

If we are at or near peak global oil production right now, what will our world look like once we get past the peak and global oil production actually starts steadily declining?

If you think that gasoline prices are bad now, just wait until we get to that stage.

Plus, there is the potential that a major war in the Middle East could erupt at any time.

Once that happens, the price of oil will go completely nuts.

A lot of people out there seem to think that we will have some sort of an "economic collapse", but afterwards we will rebuild and life will go back to normal.

That is not what we are facing.

As I discussed in an article that I posted earlier today, what we are facing is literally the collapse of everything.

We are running out of energy.

We are running out of topsoil.

We are running out of clean water.

And we are already witnessing mass extinctions all over the planet.

There is something that I have been saying a lot lately, and I am going to say it again.

The clock is ticking for humanity.

Decades of incredibly foolish decisions have brought us to the brink of a planetary nightmare, and there isn't going to be any easy way out of this mess.

Source: https://peakoil.com/consumption/we-appear-to-be-very-close-to-peak-global-oil-production-and-that-has-enormous-implications-for-the-entire-global-economy?mc_cid=fd2dc9147e&mc_eid=1f61e69e31

CW Open Contest

CW Open – Sept 3, 2022 Bruce Meier, N1LN Get ready for one of the most TIME FLEXIBLE and fun CW contests of the year. The CW Open contest is managed by the CWOps club with Trophies and Plaques sponsored by ICOM America. The CW Open contest is comprised of three individual sessions, each four hours long.

These sessions are all on September 3, and spread across a 24 hour period so as to level the propagation playing field globally. Here is the schedule for the three sessions.

Session 1: Sept 3 (00:00 – 03:59 UTC) Session 2: Sept 3 (12:00 – 15:59 UTC) Session

3: Sept 3 (20:00 – 23:59 UTC)

Below are a few of the contest details, but for a complete description go to:

<https://cwops.org/cwops-tests/cw-open/>

Each session is separately logged, checked and awarded. 3 separate contests! Who: Open to all amateur radio operators, worldwide Modes: CW only

Operator categories: Single operator Power categories: HP (more than 100 watts); LP (more than 5 watts up to 100 watts); QRP (5 watts or less) Use of spotting:

No limitations on using clusters, RBN or skimmers, but please, no selfspotting.

Exchange: QSO number + given name (e.g. 12 John).

Scoring: 1 point per QSO per band (each session); 1 multiplier for callsign the first time it is worked (each session). Scores start at 0 for each session. Work someone once per band per session.

Reporting: Separate logs for each session. Logs must be in Cabrillo format and may be submitted via <https://cwops.contesting.com/> Paper logs are NOT accepted! Logging: CW Open is supported by many logging programs.

See <https://cwops.org/cwopstests/cw-open/>

Team competition is supported (see <https://cwops.org/cwops-tests/cw-open/#team> for signup). No geography limitations.

Awards: Trophy, high score, each session, each ITU Region (max of 9 trophies) Trophy, high combined score (all sessions), each ITU region (max of 3 trophies) Plaque, high score, each of HP, LP and QRP, each session, each ITU region (max of 27 plaques) If the same entrant wins multiple awards, the awards may be combined. Minimum of 100 QSOs (after log checking) is required to qualify for and win an award in a session

Maryland/DC QSO Party

It seemed like lack of activity here in TX. Tuned the CW bands for 3 hours and heard

ZILCH stations in MD/DC. Worked one on SSB.

From the 3830 scores reflector:

High score was WB9HFK with 12 cw and 29 ssb qso. Even the MD stations didn't have more than 50 qso's given out other than a small handful.

AA4TI - fixed FL 8 cw 28 ssb 11 mults

I missed out on a few hours in the middle of the contest for a family get-together unfortunately. Still, my score was better than last year. This is a contest where you have to stay really close to the radio or you will likely miss a chance at a contact since several of the MD operators were very part time. Only a handful of the MDC stations were serious about operating the entire contest. CW contacts were also very sparse, in part due to the WAE CW contest that was going on concurrently. Mobiles seemed to be non-existent, although there was one Rover station running around. MDC QP could benefit greatly if a few mobiles from nearby states would help out!

K4HQB - fixed - Alexandria VA 7 cw 11 ssb 18 dig

Using CW and SSB on 80 and 40 meters, I found very little activity. I did not try digital, though. I thought activity would increase at night, but they didn't. I was astonished that I heard only one station on 80 meters.

And of my sad 18 QSOs, one-third (6) were in Montgomery county.

As usual, the rules were beyond convoluted. The submission form wasn't much better.

John K4HQB

W5TM - 13 cw qso

All the cw ops must have been in the WAE.

Medium Speed Test – Mondays

A fun event every Monday – no need to send in log or score unless you want to claim credit.

Scores show up on 3830 contest reflector if you are competitive.

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<https://internationalcwcouncil.org/mst-contest/>

The ICWC is pleased to sponsor a contest called the MST (Medium Speed Test) to help populate the CW bands with activity on Mondays and Tuesdays at the speed of 20-25wpm. The more activity heard on the CW bands the better chances we have to preserve them. The speed was chosen to appeal to more operators. We look forward to participation worldwide, especially among all the Council member organizations.

MST Rules

Times: Every Monday: 1300-1400Z and 1900-2000Z

Every Tuesday: 0300-0400Z

Code Speed: Please keep speeds at 20-25wpm and be willing to reduce your speed on request.

Power Levels: QRP (5W or less), LP (6W-100W), HP (Over 100W- maximum allowed for your station)

Frequencies: in KHZ. ICWC is following the bands plans of IARU.

160m: 1812-1828

80m: 3528-3550

40m: **See below for QRP frequency

7025-7040 in IARU region 1 (Europe, Africa, ME, North Asia)

7028-7050 in IARU region 2 (The Americas)

7015-7029 in IARU region 3 (S. Asia, E. Asia, Pacific)

20m: 14028-14050

15m: 21028-21050

10m: 28028-28050

****All IARU regions respect the QRP frequency of 7030 +/- 0.5khz where any running station (calling CQ) should be at 5 watts maximum**

Exchange: Name and QSO serial number

Scoring: To be submitted to 3830scores.com website without logs. Keep logs available in your station.

The final score can be calculated by counting 1 point per QSO (work a station once per band only) and multiplying total points by the number of unique call signs worked.

Example:

If you had 75 QSOs on all bands with 40 unique call signs, your score is $75 \times 40 = 3000$.

State which power class: QRP, LP, HP and check SO2R and/or remote operation if applicable.

N1MM UDC information (ICWC MST 2022 5-02) can be found here using this link:

<https://n1mmwp.hamdocs.com/mmfiles/categories/userdefinedcontests/>

Polio Strikes Again

It's happened again, right here in the US.

The July announcement of a 20 year-old man from Rockland County, NY, paralyzed by

the poliovirus, brings back memories of the fear, disability and death that came each summer with the polio epidemics. How can polio be happening here? We have had an injectable polio vaccine (IPV) that is 99% effective available to all children in the US since 2000.

Vaccines can't do their job if people don't take them, and the young man from New York was not vaccinated. That's why polio is happening again. Initial reports indicate that his paralysis was caused by a mutation of the oral Type 2 poliovirus vaccine (OPV), a mutation that occasionally causes the vaccine to result in paralysis. The oral polio vaccines have not been given in the US since 2000, suggesting that the chain of transmission of this contagious disease began abroad.

The CDC and WHO have reported the virus that infected him is genetically related to the vaccine-derived poliovirus recently found in London and Israeli sewage (like the US, they are countries that have seen the eradication of polio).

The paralyzed man must have come in close contact with someone who had received the oral Type 2 polio vaccine outside the US.

For polio survivors, this case in NY is horribly sad and deeply personal. Sad because the injectable polio vaccine, the only vaccine given in the US, is 99% effective in its protection against all three types of polio. If only he had been vaccinated, the man who was paralyzed never would have become ill at all. Even sadder is that he will have to live with a disability and chances are high that he will experience and become even more disabled as a result of Polio Syndrome (PPS) - the late effects of polio - as he ages.

Why is one case of polio deeply personal? Because lack of vaccination has added one more preventable case of polio paralysis to the WHO estimated 20 million polio survivors, 75%+ of whom will develop PPS.

Survivors of this disease will always remember:

- Those who died.
- The terror that came with being so sick.
- Lonely months and years of hospitalization, surgeries and painful rehabilitation all while separated from parents and siblings.
- The frightening reality of an iron lung.
- The sorrow that came with discovering wheelchairs, leg braces and crutches were ours for life.
- The loneliness that came as we returned home, and were forced to accept that everyone

around us

knew that it was the home of a “cripple”, and parents kept their children away.

- The shock that has come with the reality of the long-haul effects of polio (PPS), when those of us who thought we escaped or recovered from paralysis find ourselves with new weakness, fatigue and pain as we age.

Yes, the story of this young man’s suffering is sad and deeply personal. Even one unvaccinated person with polio is one too many. His pain is completely unnecessary. The miracle of the polio vaccines came too late for us and for the millions of others who are living with polio’s effects.

We celebrate Rotary International’s focus on disease prevention and the Global Polio Eradication Initiative for their determined efforts to rid the world of polio and educate parents about the gift of modern vaccines.

In spite of these determined eradication efforts overseas, polio is happening in the US. Please choose to vaccinate. No one needs to suffer from the effects of polio, ever again. The foreign origin of the poliovirus that paralyzed the unvaccinated man in New York is a painful reminder that polio (and many vaccine preventable diseases) are only a plane ride away.

Richard L. Bruno, HD, PhD and Carol Ferguson
Director, International Centre for Polio Education Representing the PA Polio Survivors Network

https://www.papolionetwork.org/uploads/9/9/7/0/99704804/august_2022_news_update.pdf

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9 23 2022 - Folks in NYC area are being urged to get polio vaccinations if not already done. For the last 30 years, almost no one has been vaccinated against polio as there were no cases in the USA.

5.9 GHz Vehicle to Vehicle

The auto industry lost its spectrum fight with the FCC because V2V was always a

fantasy

‘Vehicle-to-vehicle’? More like ‘vehicle-to-nothing’

Today, the DC circuit court released its decision, siding with the Federal Communications Commission, on its reallocation of part of the 5.9GHz band. It’s a big win for the FCC and a big loss for the auto industry, which has promised to use the airwaves to improve safety through a technology called “vehicle-to-vehicle” (V2V) or “vehicle-to-everything” (V2X) communication.

The problem, as hilariously put by Judge Justin Walker in his opinion, is that this technology has never really existed. It was one of those “just around the corner”-type innovations that has always been promised but never actually delivered. It was a fantasy, and today, the court’s basically said as much.

"The problem, as hilariously put by Judge Justin Walker in his opinion, is that this technology has never really existed"

But first, a little history lesson: in 1999, the FCC agreed to set aside 75 megahertz of spectrum in the 5.9 gigahertz band for something called dedicated short-range communications (DSRC) services, which would be used to improve road safety through V2X technologies.

Broadly speaking, V2X allows vehicles to send and receive messages about road conditions, like speeding cars, weather, or traffic congestion. It could also help prevent crashes by using that information to make decisions, like applying emergency braking.

Some experts say the wide deployment of the technology could help speed up the adoption of autonomous vehicles, which could use V2V communications to bolster their ability to “see” their environment and make better driving decisions.

But the auto industry was slow to develop V2X technology, and the rollout has been piecemeal. Mercedes installed V2V equipment in both the 2017 E-Class and 2018 S-Class. General Motors also introduced V2V in the Cadillac CTS in 2017. Other automakers began looking closely at a newer technology called cellular V2X (C-V2X), using existing cell networks to send communications.

"The auto industry was slow to develop V2X technology, and the rollout has been piecemeal"

In 2017, the Trump administration announced that it was killing an Obama-era mandate

that would have required new cars to be equipped with V2V technology. And last year, tensions escalated when the FCC put out a new plan to use some of the spectrum set aside for V2X to expand Wi-Fi instead. Calling V2X “a promise unfulfilled,” FCC chair Ajit Pai proposed to make the lower 45MHz of the band available for unlicensed uses such as Wi-Fi and allocate the upper 20MHz for C-V2X.

Automakers lobbied against the decision, arguing that allowing Wi-Fi to use parts of the spectrum would interfere with connected car technology. Their argument basically boiled down to this: we want to deploy V2V technology — the Alliance for Automotive Innovation promised 5 million pieces of V2V tech over the next five years — but we can’t until the FCC promises not to use some of the spectrum for Wi-Fi.

Flash forward to 2022, and no vehicle on the road today is using V2V technology in any meaningful way. “For the next twenty years, intelligent transportation systems did not develop as the FCC had hoped they would,” Walker writes in his decision. “As of 2020, ‘no commercially-marketed vehicles’ used the 5.9 GHz band to provide vehicle safety features.”

The petitioners in this case are the Intelligent Transportation Society of America and the American Association of State Highway and Transportation Officials, and they are arguing in favor of keeping 5.9GHz for transportation purposes exclusively. They claim that the FCC violated the Transportation Equity Act for the 21st Century, which they argue gives the Department of Transportation veto power over the FCC’s spectrum allocation authority. But Judge Walker rejects this argument.

"The judge dunks on the petitioners’ claim that they need more than 30MHz of spectrum"

Walker also sides with the FCC’s explanation of the remaining 30MHz of spectrum as being sufficient for intelligent transportation systems, while also noting that new technologies, such as “radar, LIDAR, camera, and sensors,” will help make up the difference.

And the judge dunks on the petitioners’ claim that automakers and tech companies need more than 30MHz of spectrum for these “as-yet-to-arrive technologies,” noting that “the Petitioners have directed us to no significant developments in the field of yet-to-arrive technologies.”

I can’t begin to tell you how many times we’ve been told that V2V technology is coming. Every CES over the past decade has featured some demonstration of the promised innovations: cars that can see through walls!; cars that can talk to traffic

signals!

But as the FCC argued and Walker affirmed, these promised innovations never materialized. Fortunately, there's still time left to get something on the road — and a smaller slice of spectrum by which to do it.

Source: <https://www.theverge.com/2022/8/12/23303191/car-v2v-fcc-spectrum-wifi-court-ruling?fbclid=IwAR1zfl4OLmo1JD9iKD415tdCWeK7DgNOrAiHUEbQdxMyRAg6xxOIInNfCHE>

Awards Issued

Roadrunner Awards: NU0Q attained 200 Last Counties on 5 August 2022. He received #130

Roadrunner Award: K8ZZ has attained 1350 Last Counties on 1=7 January 2021. He received #5

USA-SSB Award: K7SEN completed all SSB on 16 May 2022. He received #3

Operating Events for County Hunters

Lots of activities in September for QSO Party season. At least 600 counties on the air from the east coast, middle of the country and west coast. There are 254 counties in TX – in a good year, 200 make it on the air. ME and NJ can be scarcer – but one or two mobiles could do a nice job in either. A majority should be on in IA, TN and AL – if the price of gas doesn't discourage too many from long routes. The KS QSO Party at the end of the month will have a dozen mobiles – trying to put out each county on each day on both cw and SSB. Let's hope the others are just as great! .

Sept 3 1300z to Sept 4 0400 All, except WARC
Colorado QSO Party CW Ph Dig
Name, CO county or SPC
ppraa.org/coqp

Sept 4 1800 to 5 0300 All, except WARC
Tennessee QSO Party CW Ph Dig
RS(T), TN county or SPC
tnqp.org/rules

Sept 10 1400z to 10 2200 3.5-28
Ohio State Parks on the Air Phone only
OH park abbreviation or SPC
ospota.org

Sept 10 1500z to 11 0300 3.5-28
Alabama QSO Party CW Ph
RS(T), AL county or SPC
www.alabamagsoparty.org

Sept 17 1400z to 18 0200 All, except WARC and 60
Iowa QSO Party CW Ph Dig
RS(T), IA county or SPC
www.w0yl.com/IAQP

Sept 17 1400z to 18 2000 All, except WARC
Texas QSO Party CW Ph Dig
RS(T), TX county or SPC
www.txqp.net

Sept 17 1600 17 2300 3.5-28, 50, 144
Wisconsin Parks on the Air CW Ph
WI park abbreviation or SPC
wipota.com

Sept 17 1600z to 18 0359 3.5-28
New Jersey QSO Party CW Ph Dig
RS(T), NJ county or SPC
www.k2td-bcrc.org/njqp/

Sept 17 1600z to 18 2200 All, except WARC
New Hampshire QSO Party CW Ph Dig
RS(T), NH county or SPC
www.w1wqm.org/nhqso/

Sept 17 1600z to 18 2359 1.8-28,50, 144
Washington State Salmon Run CW Ph Dig
RS(T), WA county or SPC
salmonrun.wwdxc.org

Sept 24 1200z to 25 1200z 1.8-28
Maine QSO Party CW Ph
RS(T), ME county or SPC
www.ws1sm.com/MEQP.html

Don't forget the MARAC Convention in October – sign up NOW to get the reduced rate on rooms which will end Sept 1. No cancellation charge should your plans change.

That's all folks!