



### The CW Operators Club Newsletter January 2023 — Issue 156

## CQWW From 3B8M



KOAV recounts the strategy and activation of 3B8M on Mauritius. See page 21.

# **President's** Message

It's not been a great few weeks for me after injuring my back at the end of November. According to the physiotherapist it's the femoral nerve which is very painful and has restricted my



mobility when at times I've not even made it to

(Continued on page 2)

CWops "CWT" 1 hour 'tests Every Wednesday at 1300z and 1900z Every Thursday at 0300z and 0700z Exchange: name/number (members) name/SPC (non-members) Avoid DX Pileups!

CWO Mini-club callsign web site: http://cwomc.org

**CWops "neighborhood":** Look for CWops on 1.818, 3.528, 7.028, 10.118, 14.028, 18.078, 21.028, 24.908, 28.028, 50.098 "and up"

#### **CWops Officers and Directors**

President: Stew Rolfe, <u>GW0ETF</u> Vice President: Peter Butler, <u>W1UU</u> Secretary: Jim Talens, <u>N3JT</u> Treasurer: Craig Thompson, <u>K9CT</u> Director: Theo Mastakas, <u>SV2BBK</u> Director: Raoul Coetzee, <u>ZS1C</u> Director: Raoul Coetzee, <u>ZS1C</u> Director: Matt Frey, <u>CE2LR</u> Director: Bert Banlier, <u>F6HKA</u> Director: Barry Simpson, <u>VK2BJ</u> Director: Riki Kline, <u>K7NJ</u> Director: Ken Tanuma, <u>JN1THL</u> WebGeek: Dan Romanchik <u>KB6NU</u> Newsletter Editor: Dick Strassburger, <u>N9EEE</u>

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my garden shack. Recovery is depressingly slow. My air time has been limited and participation in CQWW CW, ARRL 10m and sessions with GW5WS in the RSGB/ARRL Transatlantic Test event has taken a hit. It has however given me cause to think about the potential risks of sitting in front of a radio/keyboard for long hours without sufficient thought given to seating, operating layout and regular breaks to stretch and loosen up. Even the young, fit and healthy would do well to consider this to avoid storing up problems for the future.

In the middle of December we received notification from Ward Silver NØAX that the Yasme Foundation were to present their Excellence Award to CWops. Yasme is a worldwide not-for-profit foundation whose aims are supporting projects around the globe which help amateur radio grow and flourish. They are held in high regard and we are indeed proud and honoured to be selected for the award. The announcement on their <u>website</u> (www.yasme.org) begins:-

**CW Operators Club** (CWops) in recognition of technical, operating, and organizational achievements in and contributions to amateur radio. It recognizes the contributions to amateur radio by CWops in support of training and on-the-air activities that promote Morse/CW operation, leading to more interest in and sustained CW activity around the world.

Clearly it's a recognition of the continuing influence of CWops which began when a small group of CW operators got together with an idea way back in 2009. The rest, as they say, is history. You can read the letter from Ward later in this issue and I would highly recommend looking at the Yasme <u>website</u> and the intriguing history of this pioneering group of ham radio operators. It's truly inspiring.

The letter from Yasme refers to the CWops "emphasis on the entire spectrum of operating from just *learning to highly skilled".* I would like to think this is also a nod towards our inclusivity of all forms of CW operating – 'as long as it's CW you're very welcome'. Occasionally it seems our groups.io reflector might not give that impression especially to newer members with it's regular flood of contesting posts following the CWTs or one of the big international contests. It is true that contesters as a whole probably like nothing more when not actually contesting than to be **talking** about contesting but this can be exaggerated. I just looked at cwops.groups.io and (on a Wednesday just prior to the CWTs) had to scroll down a page and a half before a seeing a contesting post except for a solitary advisory about the latest topslist file. Topics included the Crozet DXpedition and low CW activity, is there a such a thing as a single dit?, Solid Copy articles, signal reporting, group display naming and the 'Bomb Cyclone in North America'. The reflector is there for all members to post about anything CW or CWops. Naturally there will be a geographical emphasis on posts from the US because that is where the majority of members live. There will also be some individuals who enjoy such a public arena more than others, but we would encourage anyone who has anything to say to feel free to either raise a new topic or respond to an ongoing one. It's everyone's reflector and should be the heartbeat of the club as a whole.

Just occasionally a topic arises that may produce responses that would benefit from some further thought before pressing the send button. An example was a recent question (I think from a new joiner) querying why we don't include the WARC bands in the CWTs. Not the first time this has been raised and just as previously produced the majority view of 'No Way!' There was little



explanation to help someone who perhaps was not familiar with the background of the WARC bands to understand the strong feelings and the poster felt put down. I hold my hand up as I jumped in with a very brief contribution way down the thread which I realise may have seemed somewhat blunt. It certainly wasn't the intention so it's a lesson learnt and I'll take more care in the future. In the meantime let's make the effort to widen out the reflector and make it a truly club-wide forum for all thoughts and opinions relating to the club and CW. Happy New Year...!

### 73, Stew GWØETF, President (CWops #919)

**Editor's Notes** 

— SC ——

## by Dick Strassburger, N9EEE

Ah yes, January is the month of New Year's resolutions that we make for prosperity and health. Now that I am retired and full-on into Ham Radio, I have refocused my New Year's resolutions into a bucket list of things I'd like to accomplish in 2023. I'll leave out my kayak adventure planning and POTA outings and just give you the CWops version:

- Earn a Bronze Medallion for operating in the CWTs (50 pts = 50 CWT sessions of minimum 10 contacts = ~ 1 CWT per week). That's doable. Hmm. Maybe I could reach Silver by working a few more.
- Place in the top 10 for QTX exchange. At the current pacing, I would need to make about 194 ragchews lasting at least 20 minutes each (194 QSOs = 16 17 per month = 3 4 per week). I'll have to create a cheat sheet of topics to make those 20 minutes fly by.
- CW Open. I checked that box this past year on Team WisKey. Given our propensity for awkward activations, I think the crazier the anecdote the more noteworthy the performance. Maybe we'll homebrew our own keys using nails or operate left-handed.
- Continue the fine trend of publishing interesting feature stories about our world of Morse Code operating in an amateur radio environment. It's interesting to me that an operating mode over 100 years old is still so alive with passionate operators that we have as much or more material to publish than does the arguably hottest trend in ham radio, digital. But we do. Keep pounding, paddling, or keying...and writing about it.

How about you? Have you made your New Year's resolutions toward CWops programs? Think about becoming a CW Academy Advisor. Or get in the chase for CWops Operating Awards by working other members.

### 73 and Happy New Year!

*Dick N9EEE,* (CWops #3113) Editor, *Solid Copy* (SolidCopy@cwops.org)



# **CW Operators Club Financial Report**

## December 31, 2022

### Craig Thompson, K9CT, Treasurer (CWops #276)

| Bank Accounts            |                  |
|--------------------------|------------------|
| Bank of America -CWops   | 4,235.69         |
| Hometown Community Bank  | 1,098.51         |
| PayPal - CWops           | <u>20,655.98</u> |
| TOTAL Bank Accounts      | 25,990.18        |
| Investment Accounts      |                  |
| Asset Mark Trust Company | 166,955.88       |
| OVERALL TOTAL            | 192,946.06       |
| INFLOWS                  |                  |
| Club Dues                | <u>31,185.93</u> |
| TOTAL INFLOWS            | 31,185.93        |
| OUTFLOWS                 |                  |
| Awards                   | 11,669.28        |
| Donation                 | 205.00           |
| Marketing                | 3,121.10         |
| PayPal Network Fees      | 270.42           |
| Postage                  | 263.65           |
| Website                  | <u>249.98</u>    |
| TOTAL OUTFLOWS           | 15,779.43        |
| Overall Total            | 15,406.50        |

Notes

1. Investment account fell approximately 14% from its 2022 peak

2. We reserve \$210,640 for Life and 5 Year memberships.

3. We are about \$17,000 under our reserve currently.

4. We have cut some expenses and increased dues to counter the regression in our investment account for 2023.





December 15, 2022

To the CW Operators Club (CWops)

Officers, Directors, and Members

On behalf of the Board of Directors of The Yasme Foundation, I am pleased to inform you that the Board has selected CWops to receive the Yasme Excellence Award.

This Award is made in recognition of technical, operating, and organizational achievements in and contributions to amateur radio. We wanted to recognize the contributions to amateur radio by CWops in support of training and on-the-air activities that promote Morse/CW operation, one of our proudest traditions. Your emphasis on the entire spectrum of operating — from just learning through highly skilled —has obviously been successful, leading to more interest in and sustained CW activity around the world.

The award consists of a cash grant of \$500 USD and an engraved crystal globe. The monetary award may be used in any way you feel appropriate, and the funds will be transferred to you by our Treasurer, Rusty Epps, W6OAT. Information about the Yasme Excellence Award and past recipients can be found under the "Yasme Excellence Awards" tab on the website, **www.yasme.org**. A press release announcing the Yasme Excellence Awards will be distributed and posted on our website. On behalf of the Yasme Board, please accept my congratulations for your continuing contributions to amateur radio and for the recognition by way of the Yasme Excellence Award.

73, Ward Silver, NØAX, President

The Yasme Foundation Board of Directors:

Ken Claerbout, K4ZW, Director, Vice-President, and Secretary Rusty Epps, W6OAT, Director and Treasurer Martti Laine, OH2BH, Director Fred Laun, K3ZO, Director Hans Blondeel Timmerman, PB2T, Director Robert Vallio, W6RGG, Director Marty Woll, N6VI, Director James Brooks, 9V1YC, Director





# **News and Notes**

## Duncan (Mac) Fisken, G3WZD

We regret to report that the following Member has become a Silent Key

### Ola Noren, SM0CUH / SE0C #61737 on 25<sup>th</sup> November

A condolence card has been sent on behalf of CWops

### From the News & Notes editor

Following the forced use of a temporary email address, please note that all items for News & Notes should henceforth be sent to <u>newsandnotes@cwops.org</u> – this address is embedded in the link above.\

**Jenna, N4JEH #3203** I hope everyone had a wonderful Christmas, wherever you may be! If you were wondering what all that noise on 14.031 on December 28<sup>th</sup>'s afternoon was, I will tell you that a spaghetti of a ragchew was reaching from NM all the way to GA, lasting 2 and a half hours. Not minutes. Hours. It was with a dear friend of mine (and fellow CWops member), FD, KT5X #58. That QSO holds the record of the longest QSO I have ever had in my entire 10 months as a dedicated CW operator. We were running about 28 wpm, and I learned a lot about old Morse and railroad telegraphy. We talked about everything from FD's beautiful QTH to bugs to the Golden Telegraph key to weather and everything in between! Near the end, I had the pleasure of meeting KF7E, and we had a nice group QSO going. All this to say that nothing in CW has failed to amaze and interest me as a young CW operator. Thanks to CWops, for I don't think I would be where I am in this hobby today without CWops! Well, guess that's all from the little radio shack in GA. Catch you on the air. Oh, by the way, if you hear a CW blurb calling near 14.025/7.025 MHz, that's probably me... :)

**Chuck, WS1L #2411** December was a better month than the previous ones, as my health continued to improve. My beam feedline continues to give problems, but any spell of warm weather should allow for feedline replacement. Perhaps in the spring I can replace the trap dipole with one for 80 meters alone and get a bit better bandwidth. An inverted-L for Top Band is on the wish list before next winter as well.

**Stew, GW0ETF #919** I thought I'd try out my K2 in some RSGB/ARRL Transatlantic Test pile-ups with GW5WS last month. I bought it off a UK ham I know as a bare bones K2/10 and upgraded it to contest grade. I can run legal power with my Gemini amp which needs 10 watts for 1kw out.

The K2 is the quietest receiver I've ever used. I can instant switch between it and my K3 and at equivalent signal audio levels there is no audible background noise, you could swear it isn't powered up. I know it's not deaf - my XG-3 signal source produces by and large the same S-meter and audio levels on both K3 and K2.



CW signals on the K2 seem slightly 'harder' and more distinct than the K3 although I'm never going to be able to separate half a dozen zero-beat cluster callers like some can. I have to say I think it's ironic I can't get parts now for my #145 K3 if I ever need but I can order a complete K2 kit anytime. Anyone tested a K2 alongside a K4?

**Marko**, **N5ZO #1224** In October-November 2022 I made a 7-week trip which included CQ WW DX contest operations from Thailand and Western Australia. Shortly after I arrived in Thailand Covid got me, but fortunately I had very mild case and was able to already recover for SSB contest from E2A where we operated in Multi 2 category and were able to set new zone 26 record. I was also able to get on one CWT with my new Thai call HS0ZPP. My XYL Ariadne then flew to HS and we spent about 10 days in Krabi at nice beach resort and few more days in Bangkok. She then flew back to California, and I travelled to Perth, Australia where I operated the CW WW DX CW contest with call VK6N in SOAB category. I also got on for couple CWTs with club's other call VK6ANC. I have operated CQ WW DX contest now from 35 different CQ zones so there is just 5 more to go to work them all.

(N&N Editor's Note: That is an awesome achievement, Marko. Good luck with activating the remaining 5 zones!)



Group picture from E2A includes several CW Ops members, rear from left to right: LA7JO, SP3LPG, N5ZO (#1224), VE3LA, K0BJ, DL3DXX (#1164), E29TGW (#3285), front: E20NKB, E25KAE (#3284), E21EIC (#264), missing from picture HS3PIK, HS4RAY.



Steve, K1RF #3003 Revisiting The Off-Center Fed Dipole; I've always been a fan of low cost, simple to construct, multiband wire antennas. At my QTH, I use an 80-meter End Fed Half Wave antenna for my primary antenna at 100 watts at my relatively low elevation in Norwalk CT with the antenna about 30 feet above ground level and do fine in the weekly CWOPS contests. More recently, I have developed an interest in Off Center Fed Dipoles (OCFDs) by joining the groups.io OCFD group. The evolution of the original Windom Antenna to today's OCFDs has a long and stored history. The original Windom design had a single wire offset feeder which radiated. Later designs with different feed arrangement are strictly not Windoms, though the name has stuck and forms a kind of "brand" like G5RV. The original antenna evolved to ladder line or open wire feeders, and later to coax with a balun between antenna and feedline for matching and common mode high impedance choking.

This short article cannot possibly address all the important technical details so I will try to



N5ZO operating CQ WW DX CW contest from VK6N.

summarize what works well. For many years, the 80-meter OCFD used a 33% split for the feedpoint. That provides excellent performance on 80, 40, 20, and 10-meters and has relatively constant impedance for those frequencies. It is typically fed with a 4:1 or sometimes a 6:1 balun for impedance matching. While this antenna is still quite popular, it is not designed for 15-meters which turns out to have a high impedance. Hams being experimenters try to use them on 15meters anyway with their wide range antenna tuners. Unfortunately, this results in high voltage on the antenna side of the balun and causes severe stresses and likely damage to the balun – not recommended.

| 80m 00        | CFD: "T | ypica     | 1" SWR | by Ba | nd, by | y Feed | point | <b>Split</b> |
|---------------|---------|-----------|--------|-------|--------|--------|-------|--------------|
| Feed<br>Point | 80      | 40        | 30     | 20    | 17     | 15     | 12    | 10           |
| 20.0%         | *       |           | 4:1    |       | 26:1   |        |       |              |
| 29.3%         | *       |           | 9:1    |       |        |        | 10:1  |              |
| 29.7%         | *       |           | 12:1   |       |        |        | 6:1   |              |
| 33.3%         | *       |           | 26:1   |       |        | 17:1   |       |              |
|               | SWR:    | <2:1      | <3:1   | <4:1  | <7:1   | >7:1   |       |              |
| DJØIP         | 3       | -JAN-2023 |        |       |        |        |       |              |



Over the last decade or so, modern simulation tools and much additional testing established a multitude of different feed-point splits which allow operation on 15-meters as well as some of the WARC bands, depending on the feed-point. Rick Westerman, DJOIP, who developed the Aereal-51 line of OCFDs (sold by Spiderbeam) offered the following comments: "The sweet spots have been known for almost 8 years now. It depends on which bands you want to use it on.

Further, Rick stated, "Use either 20% or one of the two 29% feed-points. I have personally built about 20 of the ones that use the 29.7%, hung them in many different locations, with various lengths and angles of the inverted V. They ALWAYS work on those 5 classic ham bands. Most of the time I don't even need an antenna matchbox."

The other critical point is the balun. The recommended one is known as a hybrid balun, which consists of a 4:1 Ruthroff voltage balun feeding the antenna cascaded with a 1:1 Guanella balun for good choking or reduction of RF current flowing on the outer surface of the coax. When that happens, the coax has become part of the antenna, skewing many of the antenna's characteristics, including resonance. Worse yet, the characteristics then change with changes in length of coax. A 4:1 Ruthroff balun has little choking. A 2-core 4:1 Guanella balun provides choking but only half the amount of a combination of 4 to 1 Ruthroff and 1:1 Guanella for the same style to-roid used in both 1:1 and 4:1 Guanellas.

Example of a good 80-meter OCFD. Note: the cap raises the resonant frequency on 80 meters. Use a doorknob cap or 3 paralleled ceramic high voltage "blue caps" from eBay. 240-300pF OK. Changing cap value can move 80meter resonant point as preferred. None ~ 3450 KHz, 500pF ~ 3600KHz, 300pF ~ 3700KHz, 100pF ~ 4000 KHz



Example of a good 40-meter OCFD is shown below:





For ready-made OCFDs that come in different power levels with good hybrid baluns, I would recommend antennas from <u>Aereal-51</u> sold by Spiderbeam (U.S. rep is Vibroplex), or <u>Palomar Engi-</u><u>neers</u> for ready-made 1 to 4 hybrid baluns.

#### References:

<u>Multiband HF Center</u><u>Loaded Off</u><u>Center</u><u>Fed Dipoles</u> Serge Stroobandt, ON4AA Join <u>Groups.io OCFD</u> group for more info.

Jack, W1WEF #48 After a successful build of my automatic antenna switch, I decided to make a few minor changes. I tore apart "build 1" and rebuilt it in a nice new plastic project box that was sitting on the shelf. Not a good idea! Due to the lack of shielding, when I fired up the amp, RF got the best of it and caused a relay in my antenna switch to chatter, rapidly switching antennas, two at a time resulting in my AL1500 failing. While the amp is still out for repair I started "build 3" in the original metal box.



You can read about <u>"build 1" in the Jan 2023 NCJ</u> available free online to ARRL members.

(N&N Editor's Note: That's a very neat build, Jack!)



Chris, KF7WX #3040 Happy new year dear CW colleagues! I was doing some housekeeping in the shack this morning when I happened upon my first CW key. I purchased this at Radio Shack in Duluth, MN, sometime in the 70s. I'm pretty sure the asking price was around \$10, and I recall thinking that was robbery. Part of my old callsign, NOEOT is still discernible on the wood base. Now I see these selling for well over \$100. I should have invested in these instead of the stock market.



**Duncan, G3WZD #1979** Finally, two items from me. Firstly, this BBC news item entitled <u>'How a</u> secret message in a Colombian song gave hostages hope' is interesting as it recounts the story of how a message of hope in Morse Code was embedded in songs broadcast to hostages held captive in Colombia.

Secondly, I felt compelled to buy myself a Christmas gift and decided a new paddle was appropriate. Having heard lots of good things about N3ZN keys, I decided on the ZN9+ dual lever paddle. I was hoping to post a picture of my new 'toy' in my shack with some comments about it in operation. Sadly however, UPS managed to destroy it in transit, so the photo below is a preshipment pic. Happily, Tony N3ZN will ship me a new key at no cost so I am hoping to be able to report on it in the February News & Notes.



73 ES HNY, Duncan G3WZD (CWops #1979)





# OFFICIAL ANNOUNCEMENT OF THE CWOPS ANNUAL DINNER ON MAY 18 AT THE DAYTON HAMVENTION 2023

For many years our annual Hamvention CWops dinner was held at the familiar Spaghetti House in Dayton, but we have now changed the venue. It will be held instead at the conveniently located Rona Banquet Hall, 1043 Rona Parkway Drive, Fairborn, OH 45324. The new location is only a few minutes from the Hope Hotel and Conference Center. By this change we will have more indoor space, easier parking and our own food caterer. During dinner, we will have our usual interesting presentations and updates, with lots of opportunities for chatting and shaking hands with folks you have only met on the air. It is the CWops social event of the year!

Note that the Rona Banquet Hall will be ours from 10 a.m. until 11 p.m. on Thursday, May 18, meaning we will have an opportunity to hold meetings, discussions and even just hang-out before the dinner. Our buffet dinner will commence at about 7 p.m. (No alcoholic beverages will be available.) W1UU will orchestrate the pre -dinner meetings and discussions. Anyone with ideas on topics should contact Peter, W1UU.

The cost of the dinner is \$36/person, inclusive of the buffet meal, facility rental and soft drinks, well below the meal charge at the Hope Hotel. You may make your reservation now by going



to <u>https://cwops.org/contact-us/events/cwops-2023-hamvention-dinner/#dinpay</u> to submit your payment. W1VE, Gerry, will manage the list of attendees and track payments.

It is not too early to reserve your seat at this great event!

See you at Dayton!

73, Peter Butler, W1UU Jim Talens, N3JT



# **How We Were**

## Hank Garretson, W6SX

### AE0Q, Glenn Pladsen, CWops #2878



Glenn as WA0VPK in 1969.

Note the back-to-back J-38 paddle. How many of us did that way back when?

Glenn's life and ham life are fascinating. Glenn tells it much better than I could. See <u>https://</u><u>radioandtravels.blogspot.com/2020/07/ive-finally-written-about-what-i-did-on.html</u>

Thank you Glenn.

Please, send your How We Were picture(s) and story to w6sx@arrl.net. Note: How We Were doesn't have to be ancient history. If you were first licensed five years ago, send me your How We Were picture.

CW Exuberantly,

73, Hank W6SX (CWops #61)



# A Haptic Vibrational Device to Help the Hearing impaired Decode CW

Howard Bernstein, WB2UZE (CWops #1361)

As we age, our physical abilities begin to diminish in varying degrees for each individual. Where some may have sight reduction or physical movement limitations, others may experience hearing reduction. Where this becomes a concern to a CW operator is the ability to hear and discern tones within the various noise thresholds that are inherent in HF operation.

The Long Island CW Club has sponsored the development of a device that permits those with hearing impairment to continue enjoying the hobby with an alternate means of discerning CW transmissions. One of the main tenants of the Long Island CW Club is to be able to give back to those that are not as fortunate as the majority of us. With that in mind, a dedicated group with over 2 years of hard work, created a haptic vibrational device we hope will be a boon to those with hearing impairments and also add to the CW experience of those with normal hearing. This unit was inspired totally by charitable concerns to give back to the amateur community and is not a commercial venture and was priced to be able to recover costs. As we all know, many of our CW operators are now over 50 and with age comes hearing loss. We should not lose our CW ops or potential new ones because of such disability.

Here is a rundown of what this device is all about:

**What was created:** A haptic vibrational device with LED lights to deliver decoded CW to palm of the hand. The purpose is to give those with hearing impairments a vibrational sensation of CW to the hand, to facilitate and compensate the decoding of CW. This device will also be an assist to those with normal hearing because it can create alternate white matter pathways to the brain combining aural and vibrational cues for learning and decoding CW. This device is patent pending and took an inordinate amount of research, development and testing to perfect.





**Demo video and testimonials:** Are now located on the LICW website with this link: <u>CW for the Hearing Impaired - Long Island CW Club</u>

Recognition of individual effort: Special thanks go out to the following individuals

Hal WA2AKV for coming up with the initial idea and prototype, Mark KE8MJH for building the second generations, Michael KE8AQW for technical advice and planning, Bob K3ZGA, Dave VK5PL, Laura KO4DFJ. The device was re-engineered by Bob WO6W and spearheaded by Cathy W4CMG. Many of these people are members of CWops. Rob K6RB gave valuable assistance with the patent application.

If there are any members of CWops interested in this unit, please contact LICW at this email address: info@longislandcwclub.org

We thank CWops for allowing us the opportunity to write about this unit in *Solid Copy* and we hope the device will help many in need.

(Editors note: there are many impressive testimonials on the LICW website. I also received a couple of unsolicited testimonials from CWops members who encourage CWops members become aware of this device as an aide to continue to enjoy the hobby.)

# **My Experience With Streamdeck**

- SC -

## Ken Tucker, WF6F (CWops #2386)

Setting up the TS-890 for casual DX'ing has been getting more and more complicated and time consuming. First of all, booting up the Windows computer may, or may not, go well. Particularly on Update Tuesday. But once past that, I would have to manually start up DXLab apps, VE7CC and N1MM. Usually, after about 5-10 minutes of diddling with the computer, I was ready to go searching for some good DX.

Turns out that DXLab has some excellent automation features for starting other apps before it actually starts, as well as running special apps when it shuts down. Using these features, I can now automatically start VE7CC first, then N1MM, and finally DXLab itself. This, in itself, was a major improvement in my casual DX'ing. Then I found out about Spot Collector's Filters and learned how to look for only CW stations. Then rank these stations by probability of connecting, etc. This was getting to be real fun.

But more new problems. Navigating between Spot Collector, Commander, and N1MM while tuning for Split operation was a challenge. I can't tell you how many times I found a perfect Split slot to send my call to some rare DX only to realize my Winkey focus was not on N1MM and I wasn't transmitting. Frustrating.



So, long story short, I have always been on the lookout for ways to improve this process.

Along came Elgato's Streamdeck. I really liked the idea of pushing a button and having a bunch of tasks done all at once. The Streamdeck box provides the buttons – lighted ones at that – and some barebones software to get things going. Well getting going wasn't that smooth. The learning curve is steep and long but well worth the effort. But I am amazed at the functionality of this approach.

Streamdeck has what they call Multi-Action macros that allow you to combine a whole bunch of different tasks. They use internal as well as external third-party plug-ins to perform each task. As an example, when I enter a new call in N1MM's entry window, pushing a single button ensures Windows' focus is on the QRZ button and the internet query for that call is sent. All without having to grab the mouse, move it around and click on the little QRZ button in N1MM. This a pretty simple example, but things can get complex really fast.

Somehow or another, my TS-890 occasionally drops out of CW mode and ends up in never-never land like USB-D or RTTY – I guess it's just following N1MM's directions. Getting the rig back to CW mode with Windows focus on the N1MM F1key for my callsign of F2 for Exchange was a challenge. This set of multiple tasks involves firing off a Powershell script to send a CAT1ASC command over the COM port to set CW mode on the rig and then putting the Windows focus on N1MM and finally invoking a hotkey for F1 or F2.

I've been playing with my new Streamdeck now for a couple of days and have already come up with almost 30 different keys. Some are really easy hotkey invocations and others are multiaction macros.

I've found that first setting things up properly with the individual apps of N1MM, VE7CC and DXLab as well as the TS-890 function keys is really important. Then, moving to the next level of automation with Streamdeck is much easier. There will be an ongoing refinement of my new button definitions for sure.

If it weren't for such fun things as Streamdeck I'd be getting more DX time – hi hi.







# Aloha

## Heather Flewelling, AH7RF (CWops #3272)

Hello! I saw a call for articles about what it's like to be a CWop in Hawaii, so decided to write an article. Dick N9EEE was wondering if we sip Mai Tai's at the beach while doing CWTs - nope, no Mai Tai's but I do often operate at the beach. I'm still very new to HF, CW and CWTs, but have been operating in the CWTs exclusively QRP and about 75% portable. I split my time between Oahu and Big Island, and I have a number of operating locations I like. Some of my locations are good for CWTs, others are not so good. When I am on Oahu, I am 100% portable. My rig is an Elecraft KX2, I use a https://cwmorse.us/ paddle, and my most frequent antennas are an endfed in a tree, a g5rv, or a hustler antenna on top of my car.

For those of us in Hawaii, the 4 CWTs happen at 3am, 9am, 5pm, and 9pm. For me, 5pm and 9pm are the most likely CWTs to participate in, with the occasional 9am one. I really like the CWTs - for someone who is QRP in the middle of the Pacific, with compromised antennas, it helps to try to work the big antenna stations, and there are quite a few of them in the CWTs! A good score for me in the CWTs is anything greater than 5 contacts. My record is currently 8.

For most of my CWTs, I had really bad / compromised antennas. I started out the year with a bad shoulder injury, and combined with my inexperience, meant that most of my antenna attempts were pretty pathetic. As my shoulder has healed and with more experience, I've gotten a lot better at getting an antenna up. My first 8 months of CW, from January to August 2022, were all entirely local KH6 contacts.

The majority of my early CWT contacts were mostly just with other KH6 CWOps members. I can often work them on 40m using NVIS, but for the higher bands it seems to be hit or miss, depending on my location and the conditions. I am still very inexperienced in HF. As a scientist, it's a



Cramped conditions in my car, at Ala Moana Beach park, for one of the CWTs

neat experiment to have CWT contacts each week with the same hams, and I've learned a bit more about propagation this way.

Stan AH6KO is my most frequent contact - he seems to be active in almost every CWT, and I learned a lot just by listening to him running. One thing that is apparent is that he can hear a lot more stations than I can. He has a good technique when running, and has a consistent pattern, moving from one band to another, with a combination of S&P and running. He's also been incredibly helpful and encouraging, and had lots of great advice for me. He was my second CW contact,



and then months later, my first CWT contact!

Bob NH6O is my second most frequent contact, and I've learned a lot from him as well - he's QRP, and sometimes in the same park as me! One time, he was in the same park, and both of us happened to be doing S&P on the same band, and usually the same frequency. He is faster at decoding, so right as I'm starting to get the runner's call, I hear his call, and could follow along as he pounces. It was fascinating to hear both sides of the QSO that way, and then when he was done, I'd give it a try as well, if he was successful. Bob has also been extremely helpful for all things portable and QRP. He was my first non-sched contact, and I first worked him during the WPX contest in May, each of us operating from different parks in Honolulu.

I've worked other KH6 stations as well - they aren't as frequent on the CWTs, but much like NH6O and AH6KO, they are usually very loud and easy to work when I find them. This is one thing about living in the middle of the Pacific, you very quickly find who your CW neighbors are! I've gotten signal reports from other hams in Hawaii, who've been listening to my CW as I went through CW Academy, and have commented that my CW has gotten a lot faster and better. I've also randomly stumbled across KH6 stations calling CQ, and those QSOs are a lot of fun - instead of saying their QTH is Hawaii, they often get very specific, sometimes just saying the neighborhood (QTH Lower Manoa, for example).

As I've gotten better at raising antennas, and listening, and figuring out which bands to work, I started making DX contacts in the CWT. The easiest and most frequent DX for me is Australia, New Zealand, Japan, and California. Many times, most of my contacts in the CWTs are from only Hawaii, Australia and Japan, but lately I've been having better luck getting other contacts as well. My most frequent DX contacts are Allan VK2GR and Ken JN1THL - often on multiple bands in a session, and sometimes, if they can't hear me, I run on a nearby frequency, where I hope to get spotted and pounced on, which works! I think sometimes they are as hungry for CW contacts as I am, it can be very sparse on the high bands for the 3z and 7z CWT sessions.

Since I am portable, I like to operate at a number of locations, which I describe below. Most of my locations are surrounded by lots of RFI, are somewhat close to the ocean, and face the southwest. If I have internet, I will check <u>https://</u> <u>reversebeacon.net</u> and <u>https://</u>

<u>rbn.telegraphy.de/</u> to see if I get spotted. I mostly do paper logs but have started using N1MM for logging. Generally if it's a hike, I'm not bringing a computer with me!



My car and antenna, hanging out at Moanalua



Ala Moana Beach Park / Magic Island (Honolulu / Oahu) - this is a busy beach park, open until almost 10pm. The Magic Island part is a peninsula which you can park on. When I am here, I use a hustler antenna stacked on top of my car, and I usually stay in my car to operate.

**Pros:** 1 mile from my house, easy to set up.

**Cons:** You get nudged out starting about 9:45pm, it's very noisy (RFI from cars, noise from humans), very cramped in my car. Lots of QRM on 40m from a local AM station.

**Moanalua Bay (Honolulu / Oahu)** - a less busy beach park, open until about dusk. You can drive right up to the beach. I operate the same as I do on Magic Island, with a hustler antenna on top of my car. This is the same park that our club uses for field day.

**Pros:** not very busy, not a lot of RFI compared to other locations. Very nice view of the ocean.

**Cons:** 11 miles away, through a lot of traffic, closes early, cramped conditions if I operate in my car. Hot and sunny.

**One of the parks in Kakaako (Honolulu / Oahu)** - a very quiet park, with nice tables and trees. It's about 2 miles from my condo. There are a few tall trees that are very nicely trimmed and near the table. I've used my endfed and my 20m dipole here. I've met up with Bob NH6O a number of times here.

**Pros:** Everything!

**Cons:** Sometimes I get rained on, and there's a lot of QRM on 40m.

**Roundtop Forest Reserve / Makiki trails (K-2222, Honolulu / Oahu)** - this is my favorite location, and one I walk to from my place! My first non-sched contacts were made while up here. I go a bit off the trail, and set up where there's a steep drop off on either side of me, and it's always very quiet and peaceful. I've tried a number of antennas up here.

**Pros:** shady, lots of good trees for antennas, a nice hike to get there, nice view of the city, very relaxing location

**Cons:** it's a 2 hour hike from my condo to get here, lots of weird mixing with my KX2 and the FM transmitters around 14.060, the location is only accessible during daylight, the trails can wash out when it rains, and I've never had enough time on a Wednesday to do a CWT here.

#### At the house on Big Island (Kawaihae, Big Island)

**Pros:** lots of opportunities for antenna experiments, can operate inside, can operate at 3am if I wake up! Nice view of the ocean.

**Cons:** lots of RFI from the solar inverters, no trees for antennas, can get windy and knock my antennas down.

I also operate at other locations as well - the ones I listed above are my most frequent locations. Pretty much whenever and wherever I travel, I try to bring my KX2 with me. I've had a number of spectacular failures on some of my radio adventures, most failures happen when I forget various



antenna parts, but I've gotten a lot better at bringing enough spares to rescue myself. There are a lot of times when I'll get my station ready, and if conditions aren't great, I will strike out and get 0 contacts. I've been told by a number of hams that life's too short for QRP. I think it just depends on what your goal is. Mine is to operate, hopefully outside, with nice scenery, and bonus points if there's a nice hike in there as well. I like to try new antennas and I also just like listening to the bands. I have made several friends while learning CW, many of them CWops members. I am enjoying my CW journey, one contact at a time, and I am very CW happy!





My station when I was on the summit of Lana'i (KH6/LN-001) - a 7 mile journey to the top, through a lot of mud, on a mountain bike. This summit has now finally been activated, I made 3 SSB contacts with local hams, and 0 CW contacts, despite lots of effort. Lots of fun to go downhill, and I was completely covered in mud at the end.

At Roundtop Forest Reserve / Makiki Loop trail (K -2222) - my favorite portable location, with a nice view of the city through the ironwood trees. I actually have only tried to activate it as a POTA once, despite coming here with my radio many times.





# 3B8M - CQ WW CW - After-action Report

### Alan Higbie, K0AV (CWops #1129)

In November 2022, my wife and I vacationed in East Africa for a couple of weeks before going out to 3B8, Mauritius, to join a group in preparing for the 2022 CQWW CW contest.

I was fortunate to join a group which had been there before and already had a truck load of gear stored on the island.

The contest QTH was at a rental villa on the island's northeast coast. The villa is entirely surrounded by salt water.



Courtesy Mauritius Tourism

The antennas were "field day" style temporary wire antennas suspended from telescoping fiberglass masts. There were 10 such masts ranging from 10 to 18 meters in length.

We were a multi-multi entrant in the CQWW CW using the contest call of 3B8M. Outside of the contest we used 3B8/ our home calls. I used 3B8/K0AV which had been authorized by the local authorities in advance.

All stations were K3 or K3S transceivers into SPE Expert amps at the legal maximum of 800 watts.

The antennas were completely set up by the Tuesday before the contest! We tested for interstation interference - and with low-power and high-power bandpass filters on every band (plus 2 additional stubs on 40) - we had no problems with hash or garbage related to any band. The direct harmonics were clean and no more than about 5 kHz wide.



Aerial view of 3B8M contest QTH



During times when there was no skip propagation, we checked every band for RFI from local external sources. We located a few local devices, which were tracked and eliminated. Kind of a dream situation. For example, 40 meters was totally quiet during the day. After sunset the noise floor rises - presumably because of lightning storms in the tropics, first from the Indian Ocean and afterwards from mainland Africa.

As the primary 40 meter operator, I wanted to assess how long before sunset and how long after sunrise I could expect to work stations. I operated before the contest (as 3B8/K0AV) and tested the pre-sunset propagation on 40 meters. Signals along the terminator begin to be heard 2-1/2 hours before 3B8's sunset, while the noise floor was still exceedingly low. As the other end of the terminator moved across North America, I heard many stations from the US east coast, TX, CO, W6, and W7 which were easy to copy. Compare this to the reverse situation, where from the US, we don't hear a lot of stations active at the other end of the terminator. There was plenty of activity via long path.

In the November 23rd CWT 13z session (at least an hour before local sunset) the following CWops were worked: K5AX, W1WEF, K4RO, N3RS, N4ZZ, N1LN, K9ZO. Others were heard and called but I couldn't get through. Later, an 1-1/2 hours after our local sunrise I was able to work W8FJ (just before 03z CWT) and K7SV, P44W, KM4SII and K7UD during the 03z session. Great fun.

3B8M's primary operators on the bands were:

160m & 80m -Philipp, DK6SP (CWops #2588) and Olof, G0CKV

40m -

Alan, K0AV (CWops #1129)

20m -

Denny, KX7M

15m -Jamie, M0SDV and Philipp, DK6SP (CWops #2588)

10m -Oliver, W6NV



10m—40m stations. 80m & 160m stations not shown



Shown is a photo of the 40-meter antenna: a vertical dipole attached to an 18-meter tall Spider Beam fiberglass pole. A slight bend to the top of the dipole formed an "L".

This 40 meter antenna was situated on rocks just off-shore from the villa where we were located. 100% surrounded by salt water. The antenna was fed with coax which ran underwater (secured with rocks), and then angled up the guy rope to feed the middle of the dipole.

It is one thing to read antenna theory - but then quite exciting to experience the exceedingly low take-off angle on the long path.

Because the vertical was omnidirectional, I did not have to think about where to point a beam antenna. Just take what comes. The



K0AV "checking propagation." 40m vertical dipole, 10m VDA shown

downside of this feature is that received signals were weaker than if we'd had a beam on 40.

3B8 is located at 20 degrees South Latitude, and 575 miles east of mainland East Africa. From 3B8 the beam headings to the USA and to Europe are the same, i.e. ~ 330 degrees. To JA is more like 45 degrees.

On 10, 15 and 20 meters, we used vertical dipole arrays (VDA's). These are actually 2 element vertical beams. Two VDA's were used on each of the high bands and phased in pairs using stack matches. One of the 10-meter VDA's is shown to the right in the photo.

The 160 meter antenna was an inverted "L" supported by an 18 meter Spider Beam fiberglass pole (with 32 radials) and placed at the shoreline on volcanic rock. The 80 meter antenna was a similar inverted "L". Both radial systems were run over by salt water during high-tide, improving the ground system. For receiving purposes a K9AY RX-Array was put on one of the close surrounding rock outcroppings within the bay area. This antenna was a big bonus as it reduced *(Continued on next page)* 

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the QRN situation and allowed us to pull through more signals on the 160m and 80m bands. 3B8/DK6SP was very active on topband prior the contest and achieved good worldwide runs. Overall, including the CQWW CW effort as 3B8M, 160m produced over 1000 QSOs in total during our stay. Messages reached us saying we were one of the loudest 3B8 stations ever on low bands.

The contest started at 0000z Saturday morning - which was at 4:00 AM local 3B8-time, i.e. UTC +4 hours.

All stations experienced huge pile-ups, undoubtedly because, for most, we were a double multiplier.

In the contest, well after sunrise, the runs on 40 meters had stopped - but I kept tuning the bands for QSO's. During this time, it was fun to S&P and give out double-multipliers.

It is exciting and interesting to be in a place where I could, for example, work 12 VU stations on 40 meters. And, they were loud!

Since we were a multi-op entrant, we could use the internet for RBN spots. So occasionally I'd break away from running to work the spotted multipliers. I learned that even though the multiplier might have a huge pile-up going - we could almost always get through - not because of a huge signal - but because of our call. Someone only needed to hear a callsign beginning with a "3" and they'd know it was probably a multiplier worth digging out - which they almost always did.





There were 118 stations that worked us on all 6 bands!

There were many times when stations from the entire world seemed to be calling: Asia, VK, YB, EU, USA and South America all open at once. Often there was a problem with QSB on 40 - such that just when I'd focus on one call, the stations' signal would fade and I'd be left with just two letters. A potential remedy for the future would be to set up a separate 40-meter antenna - and use the diversity function on the K3's second VFO. That will probably be tried next year.

On 160 and 80 meters we had a K9AY loop receiving antenna. The plan may be to use a triplexer to make that antenna available for not only 160, but also 80 and 40 in the future.

One of last year's 3B8M team members, Kazu M0CFW-JK3GAD went out to Rodriguez Island and operated this contest as 3B9KW (single-op all-band HP). He stopped in for a couple of nights on his way back home to London. Interesting to hear the stories about his operation. He left his antennas there as he plans to return there for CQWW CW 2023.

1/3 of our group, MOSDV and DK6SP, are in their mid-20's. They are both active in the YOTA movement. If ever there was reason to have faith in the future of amateur radio contesting, they are it!

The great thing about a multi-op effort is that you get to learn so much from the other team members. This operation was no exception.



– SC –

## **Douglas Zwiebel**, KR2Q (CWops #438)

Back on Dec 4, 2022 a question was posed on the CWOps Group email system. Many emails followed. One question that was raised was, paraphrasing, "Do the WARC bands become packed during a contest?"

I thought that was an interesting question so I decided to take a look.

**METHODOLOGY**: I used the Reverse Beacon Network < <u>https://www.reversebeacon.net/</u> > to download the raw data for this analysis. I used the 2022, November available download data for this analysis. The data is available as zip file for each date of the month. Below you will find a bar graph showing the file size, in Kbytes, for each day of November. The files include most bands (see below for details) and all modes. Used as a relative indication, it is still pretty good to show a distribution of activity over the month.





Next, I selected which dates to focus on. Since the CQWW CW contest is the biggest HF DX CW contest out there, I decided to grab that data. I chose to use one day, Sunday, November 27, 2022. Since it is clear from the above graphic that weekends are busier as compared with week-days, the other date I selected to use for comparison is November 20, 2022 (another Sunday).

Since each file contains every possible band and mode, from 2m to 470kHz, and CW, RTTY, and 3 PSK modes, I chose to limit the data to 'HF' (10m to 160m), and CW only. I also excluded "beacon" stations.

Since RBN reports come from many skimmers, from around the globe, and repeats the same "spotted calls" many times for the same station at the time and band, I deduplicated the data. In other words, if there is a very strong station on QRG 14.001, he or she might be spotted from many USA skimmers and also from many DX skimmers, both in North America and from around the world. I did not want to "count" every single spot, every time. Each spotted callsign, no matter the source, is counted only one time per band, per hour. This will tell us the number of different stations active per hour, not how many times they were spotted.

RBN data also identifies what continent the call originated from and what continent it was spotted on. I selected to use the continent of the call sign being spotted for my analysis, not the continent where the skimmer was located.

All the remaining data would then be used to populate a table, showing each HF band, each hour the day, and the number of spotted different callsigns for each segment (time and band).

### DISLAIMER

Using this methodology, we cannot determine if one station was spotted one time and only one time during that hour, versus being spotted every X minutes for the entire hour (aka "running"). We also cannot determine how long the QSO lasted, nor if any QSO was even achieved, nor how many QSOs were achieved. Therefore, a lone CQ without an answer (if spotted by RBN) is assigned the same value as a highly successful "runner" station who made (say) 60 QSO during the



hour; each spotted call is counted one time per hour, per band. Making a QSO on 10m at 1001 UTC, and one QSO on 12m at 1015 UTC, and one QSO on 15m at 1018 UTC, would result in a count of "one" for each band (10, 12, 15), all during the 1000 "hour," assuming that each QSO resulted in an RBN spot for that callsign.

In summary, this methodology tells us "How many different calls were spotted by RBN on each band, per hour."

#### RESULTS

**Tables 1** shows the analysis for November 27 (Sunday), the second day of the CQWW CW contest, for all continents.

dx\_cont (All)

#### CQWW CW Sunday Nov 27 2022

| # calls | band   |     |        |       |        |       |        |        |       |         |
|---------|--------|-----|--------|-------|--------|-------|--------|--------|-------|---------|
| hour    | 10m    | 12m | 15m    | 17m   | 20m    | 30m   | 40m    | 80m    | 160m  | ALL     |
| 00      | 286    | 16  | 575    | 27    | 595    | 73    | 1,877  | 1,007  | 290   | 4,746   |
| 01      | 193    | 15  | 405    | 28    | 501    | 80    | 1,841  | 1,027  | 280   | 4,370   |
| 02      | 192    | 20  | 302    | 76    | 439    | 71    | 1,665  | 994    | 292   | 4,051   |
| 03      | 168    | 12  | 278    | 13    | 276    | 54    | 1,575  | 1,051  | 315   | 3,742   |
| 04      | 192    | 15  | 317    | 14    | 335    | 47    | 1,561  | 1,046  | 343   | 3,870   |
| 05      | 270    | 19  | 504    | 13    | 624    | 56    | 1,708  | 1,078  | 338   | 4,610   |
| 06      | 450    | 20  | 825    | 31    | 1,127  | 65    | 1,658  | 945    | 282   | 5,403   |
| 07      | 643    | 27  | 1,228  | 45    | 1,498  | 107   | 1,603  | 555    | 102   | 5,808   |
| 08      | 898    | 39  | 1,563  | 55    | 1,722  | 104   | 1,190  | 200    | 57    | 5,828   |
| 09      | 939    | 32  | 1,532  | 61    | 1,467  | 110   | 882    | 108    | 45    | 5,176   |
| 10      | 816    | 26  | 1,181  | 58    | 1,269  | 96    | 664    | 75     | 59    | 4,244   |
| 11      | 721    | 21  | 1,182  | 41    | 1,612  | 85    | 584    | 84     | 88    | 4,418   |
| 12      | 709    | 19  | 1,518  | 58    | 1,624  | 94    | 720    | 62     | 65    | 4,869   |
| 13      | 950    | 29  | 1,983  | 88    | 1,883  | 101   | 911    | 128    | 38    | 6,111   |
| 14      | 1,245  | 52  | 1,926  | 76    | 1,731  | 106   | 1,022  | 196    | 74    | 6,428   |
| 15      | 1,154  | 35  | 1,810  | 84    | 1,679  | 137   | 1,145  | 312    | 96    | 6,452   |
| 16      | 517    | 29  | 1,476  | 65    | 1,914  | 123   | 1,198  | 500    | 129   | 5,951   |
| 17      | 360    | 25  | 793    | 48    | 2,081  | 113   | 1,155  | 584    | 158   | 5,317   |
| 18      | 359    | 26  | 572    | 41    | 1,745  | 103   | 1,335  | 621    | 202   | 5,004   |
| 19      | 422    | 37  | 479    | 62    | 1,145  | 69    | 1,693  | 914    | 310   | 5,131   |
| 20      | 450    | 32  | 498    | 75    | 751    | 73    | 1,882  | 1,079  | 446   | 5,286   |
| 21      | 440    | 25  | 609    | 114   | 875    | 86    | 2,066  | 1,118  | 393   | 5,726   |
| 22      | 410    | 19  | 819    | 118   | 854    | 80    | 2,094  | 962    | 329   | 5,685   |
| 23      | 385    | 20  | 665    | 41    | 784    | 67    | 2,009  | 950    | 298   | 5,219   |
| ALL     | 13,169 | 610 | 23,040 | 1,332 | 28,531 | 2,100 | 34,038 | 15,596 | 5,029 | 123,445 |



**Table 2** (below) shows the analysis for November 20 (Sunday), a full week prior to the CQWW CWcontest, again, for all continents.

| dx cont | (All) |
|---------|-------|
|---------|-------|

#### 2022 Nov 20 Sunday

| # calls | band  |     |       |       |       |       |       |       |      |        |
|---------|-------|-----|-------|-------|-------|-------|-------|-------|------|--------|
| hour    | 10m   | 12m | 15m   | 17m   | 20m   | 30m   | 40m   | 80m   | 160m | ALL    |
| 00      | 29    | 6   | 54    | 11    | 108   | 76    | 631   | 201   | 36   | 1,152  |
| 01      | 25    | 7   | 47    | 8     | 103   | 90    | 510   | 178   | 21   | 989    |
| 02      | 30    | 1   | 61    | 12    | 73    | 67    | 470   | 235   | 27   | 976    |
| 03      | 27    | 2   | 47    | 10    | 65    | 30    | 472   | 240   | 25   | 918    |
| 04      | 25    | 4   | 86    | 12    | 153   | 56    | 509   | 256   | 43   | 1,144  |
| 05      | 66    | 11  | 150   | 16    | 279   | 86    | 573   | 247   | 30   | 1,458  |
| 06      | 124   | 24  | 206   | 37    | 432   | 101   | 569   | 191   | 18   | 1,702  |
| 07      | 223   | 61  | 410   | 83    | 623   | 101   | 410   | 71    | 7    | 1,989  |
| 08      | 339   | 86  | 592   | 83    | 570   | 118   | 324   | 141   | 4    | 2,257  |
| 09      | 366   | 73  | 607   | 98    | 640   | 89    | 294   | 148   | 7    | 2,322  |
| 10      | 349   | 51  | 598   | 92    | 763   | 137   | 292   | 71    | 14   | 2,367  |
| 11      | 190   | 45  | 534   | 99    | 928   | 102   | 259   | 63    | 14   | 2,234  |
| 12      | 66    | 46  | 124   | 102   | 227   | 108   | 208   | 76    | 8    | 965    |
| 13      | 97    | 56  | 128   | 74    | 227   | 134   | 306   | 60    | 7    | 1,089  |
| 14      | 124   | 54  | 195   | 65    | 202   | 123   | 305   | 86    | 6    | 1,160  |
| 15      | 127   | 50  | 150   | 83    | 235   | 125   | 273   | 130   | 7    | 1,180  |
| 16      | 94    | 40  | 124   | 81    | 216   | 100   | 222   | 140   | 22   | 1,039  |
| 17      | 69    | 18  | 60    | 59    | 200   | 106   | 229   | 119   | 23   | 883    |
| 18      | 83    | 15  | 42    | 42    | 160   | 70    | 254   | 115   | 19   | 800    |
| 19      | 83    | 10  | 62    | 37    | 117   | 55    | 207   | 138   | 26   | 735    |
| 20      | 72    | 17  | 70    | 30    | 119   | 63    | 259   | 127   | 27   | 784    |
| 21      | 42    | 12  | 44    | 31    | 136   | 96    | 270   | 107   | 22   | 760    |
| 22      | 35    | 3   | 48    | 19    | 132   | 78    | 173   | 63    | 19   | 570    |
| 23      | 15    | 3   | 25    | 16    | 96    | 58    | 161   | 45    | 10   | 429    |
| ALL     | 2,700 | 695 | 4,464 | 1,200 | 6,804 | 2,169 | 8,180 | 3,248 | 442  | 29,902 |

#### **QUICK ANALYSIS**

November 20 (one week prior to the CQWW CW contest), compared to November 27.

| Band | # <u>calls</u> ,<br>11/20 | # <u>calls</u> ,<br>11/27 | Delta: 11/27<br>minus 11/20 |
|------|---------------------------|---------------------------|-----------------------------|
| 10m  | 2,700                     | 13,169                    | 10,469                      |
| 12m  | 695                       | 610                       | -85                         |
| 15m  | 4,464                     | 23,040                    | 18,576                      |
| 17m  | 1,200                     | 1,332                     | 132                         |
| 20m  | 6,804                     | 28,531                    | 21,727                      |
| 30m  | 2,169                     | 2,100                     | -69                         |
| 40m  | 8,180                     | 34,038                    | 25,858                      |
| 80m  | 3,248                     | 15,596                    | 12,348                      |
| 160m | 442                       | 5,029                     | 4,587                       |
| ALL  | 29,902                    | 123,445                   | 93,543                      |



Net activity on the WARC BANDS, actually dropped during the CQWW CW contest, although the results are split by band (less activity on 12m and 30m, but more activity on 17m). The net drop to total WARC activity is –22 or down just -0.5% (not a significant change). So, on a world-wide basis, there is zero increase in CW activity on the WARC bands during the CQWW CW contest.

#### **MORE RESULTS**

The above analysis is valid for a "world-wide," or all-continent basis. I then chose to explore the two major (by population) continents: North America (NA) and Europe (EU).

| dx cont | NA   |     | 20  | 22 Nov | 20 Sund | day |       |     |      |       | dx cont | NA    | CQWW CW Sunday Nov 27 2022 |       |     |       |     |        |       |       |        |
|---------|------|-----|-----|--------|---------|-----|-------|-----|------|-------|---------|-------|----------------------------|-------|-----|-------|-----|--------|-------|-------|--------|
| # calls | band |     |     |        |         |     |       |     |      |       | # calls | band  |                            |       |     |       |     |        |       |       |        |
| hour    | 10m  | 12m | 15m | 17m    | 20m     | 30m | 40m   | 80m | 160m | ALL   | hour    | 10m   | 12m                        | 15m   | 17m | 20m   | 30m | 40m    | 80m   | 160m  | ALL    |
| 00      | 4    | 2   | 5   | 3      | 60      | 31  | 196   | 69  | 18   | 388   | 00      | 88    | 8                          | 200   | 7   | 298   | 44  | 845    | 403   | 89    | 1,982  |
| 01      | 1    | 2   | 8   |        | 30      | 36  | 161   | 65  | 14   | 317   | 01      | 34    | 7                          | 85    | 4   | 210   | 41  | 879    | 463   | 106   | 1,829  |
| 02      | 1    | 1   | 4   | 2      | 13      | 26  | 172   | 105 | 13   | 337   | 02      | 18    | 8                          | 21    | 5   | 120   | 22  | 754    | 436   | 131   | 1,515  |
| 03      | 1    |     | 2   | 1      | 3       | 9   | 144   | 84  | 12   | 256   | 03      | 25    | 9                          | 20    | 1   | 61    | 17  | 694    | 445   | 113   | 1,385  |
| 04      |      |     | 5   | 1      | 15      | 9   | 114   | 48  | 15   | 207   | 04      | 16    | 10                         | 21    | 3   | 63    | 14  | 647    | 414   | 98    | 1,286  |
| 05      |      |     | 8   | 1      | 12      | 4   | 101   | 32  | 5    | 163   | 05      | 34    | 15                         | 35    | 2   | 73    | 12  | 656    | 350   | 102   | 1,279  |
| 06      | 3    |     | 17  | 3      | 36      | 11  | 89    | 22  | 3    | 184   | 06      | 36    | 12                         | 54    | 2   | 89    | 6   | 526    | 280   | 82    | 1,087  |
| 07      | 12   | 3   | 30  | 1      | 55      | 4   | 55    | 8   | 2    | 170   | 07      | 48    | 8                          | 62    | 2   | 143   | 6   | 503    | 201   | 40    | 1,013  |
| 08      | 10   | 2   | 35  | 1      | 33      | 5   | 33    | 5   | 2    | 126   | 08      | 72    | 9                          | 114   | 10  | 188   | 11  | 390    | 83    | 27    | 904    |
| 09      | 13   | 3   | 32  | 2      | 49      | 4   | 26    | 10  | 2    | 141   | 09      | 53    | 7                          | 115   | 3   | 143   | 6   | 289    | 41    | 23    | 680    |
| 10      | 6    | 1   | 26  | 1      | 82      | 15  | 23    | 20  | 7    | 181   | 10      | 67    | 4                          | 83    | 2   | 161   | 8   | 254    | 31    | 39    | 649    |
| 11      | 6    |     | 39  | 1      | 86      | 11  | 45    | 27  | 10   | 225   | 11      | 41    | 4                          | 149   | 2   | 401   | 11  | 231    | 57    | 55    | 951    |
| 12      | 5    | 3   | 12  | 6      | 21      | 11  | 62    | 37  | 4    | 161   | 12      | 93    | 2                          | 403   | 8   | 479   | 16  | 257    | 25    | 18    | 1,301  |
| 13      | 13   | 8   | 21  | 12     | 29      | 30  | 78    | 23  | 3    | 217   | 13      | 276   | 9                          | 604   | 16  | 537   | 28  | 319    | 36    | 2     | 1,827  |
| 14      | 27   | 13  | 50  | 17     | 41      | 16  | 79    | 10  | 1    | 254   | 14      | 459   | 20                         | 635   | 19  | 505   | 36  | 295    | 39    | 10    | 2,018  |
| 15      | 29   | 20  | 51  | 38     | 76      | 27  | 62    | 7   |      | 310   | 15      | 512   | 20                         | 773   | 32  | 516   | 33  | 206    | 32    | 12    | 2,136  |
| 16      | 37   | 20  | 45  | 36     | 89      | 25  | 53    | 7   | 1    | 313   | 16      | 203   | 16                         | 836   | 36  | 738   | 44  | 126    | 28    | 9     | 2,036  |
| 17      | 22   | 15  | 37  | 36     | 93      | 18  | 51    | 5   |      | 277   | 17      | 191   | 21                         | 480   | 34  | 981   | 46  | 131    | 35    | 17    | 1,936  |
| 18      | 31   | 10  | 31  | 32     | 111     | 25  | 53    | 6   | 1    | 300   | 18      | 204   | 24                         | 357   | 31  | 910   | 36  | 156    | 46    | 16    | 1,780  |
| 19      | 34   | 10  | 31  | 31     | 74      | 34  | 45    | 10  | 2    | 271   | 19      | 270   | 35                         | 303   | 50  | 739   | 30  | 274    | 64    | 14    | 1,779  |
| 20      | 35   | 16  | 37  | 24     | 82      | 33  | 45    | 7   |      | 279   | 20      | 289   | 30                         | 326   | 66  | 477   | 46  | 507    | 81    | 46    | 1,868  |
| 21      | 30   | 11  | 32  | 29     | 100     | 43  | 89    | 9   | 1    | 344   | 21      | 289   | 20                         | 405   | 88  | 577   | 60  | 651    | 114   | 34    | 2,238  |
| 22      | 22   | 3   | 28  | 18     | 95      | 38  | 65    | 10  | 9    | 288   | 22      | 221   | 14                         | 477   | 47  | 498   | 51  | 743    | 132   | 33    | 2,216  |
| 23      | 8    | 3   | 15  | 15     | 81      | 33  | 83    | 23  | 5    | 266   | 23      | 148   | 17                         | 327   | 8   | 439   | 48  | 779    | 272   | 45    | 2,083  |
| ALL     | 350  | 146 | 601 | 311    | 1,366   | 498 | 1,924 | 649 | 130  | 5,975 | ALL     | 3,687 | 329                        | 6,885 | 478 | 9,346 | 672 | 11,112 | 4,108 | 1,161 | 37,778 |

#### North America

### **MORE QUICK ANALYSIS**

November 20 (one week prior to the CQWW CW contest), compared to November 27, just **North America.** 

Net activity on the WARC BANDS for *North America*, increased during the CQWW CW contest. The net increase to total WARC activity is +524 or up 54.9% (a significant change).

| Band | # <u>calls</u><br>11/20 | # <u>calls</u><br>11/27 | Delta: 11/27<br>minus 11/20 |
|------|-------------------------|-------------------------|-----------------------------|
| 10m  | 350                     | 3,687                   | 3,337                       |
| 12m  | 146                     | 329                     | 183                         |
| 15m  | 601                     | 6,885                   | 6,284                       |
| 17m  | 311                     | 478                     | 167                         |
| 20m  | 1,366                   | 9,346                   | 7,980                       |
| 30m  | 498                     | 672                     | 174                         |
| 40m  | 1,924                   | 11,112                  | 9,188                       |
| 80m  | 649                     | 4,108                   | 3,459                       |
| 160m | 130                     | 1,161                   | 1,031                       |
| ALL  | 5,975                   | 37,778                  | 31,803                      |



#### Europe

dx cont EU 2022 Nov 20 Sunday dx cont EU CQWW CW Sunday Nov 27 2022 # calls band # calls band 10m 12m 15m 17m 20m 30m 40m 80m 160m ALL 10m 12m 15m 17m 30m 40m 80m 160m ALL hour 20m hour 1,576 1,468 1,499 1,527 1,640 2,265 1,103 3,089 1.348 1.039 3,523 1,728 3,713 1,038 1,190 1,794 1,101 1.072 3,513 1,822 2,828 1,670 2,717 2,754 1.168 1,141 3,376 1,092 1,037 3,493 1,007 3,541 1,034 3,247 2,778 2,553 1,180 2,672 1,118 2,677 1.140 2.579 1,106 2,415 1,008 2,056 1,434 395 2,568 699 4,330 1,282 4,242 2,281 264 17,495 ALL ALL 5,875 10,534 14,220 1,130 17,677 9,912 3,298 63,499

#### **MORE QUICK ANALYSIS**

November 20 (one week prior to the CQWW CW contest), compared to November 27, just **Europe.** 

Net activity on the WARC BANDS from stations in Europe, actually dropped during the CQWW CW contest. The net drop to total WARC activity is –393 or down 16.5% (a significant change). So, on a **European** basis, there is substantial decrease in CW activity on the WARC bands during the CQWW CW contest.

If you want to know about "the rest of the world," you can combine NA + EU and subtract that from the "all continents" results previously shared (above). Because of much smaller volumes, when spread over 4 other continents, I did not complete that analysis.

| Band | # <u>calls</u><br>11/20 | # <u>calls</u><br>11/27 | Delta: 11/27<br>minus 11/20 |
|------|-------------------------|-------------------------|-----------------------------|
| 10m  | 1,434                   | 5,875                   | 4,441                       |
| 12m  | 395                     | 184                     | -211                        |
| 15m  | 2,568                   | 10,534                  | 7,966                       |
| 17m  | 699                     | 669                     | -30                         |
| 20m  | 4,330                   | 14,220                  | 9,890                       |
| 30m  | 1,282                   | 1,130                   | -152                        |
| 40m  | 4,242                   | 17,677                  | 13,435                      |
| 80m  | 2,281                   | 9,912                   | 7,631                       |
| 160m | 264                     | 3,298                   | 3,034                       |
| ALL  | 17,495                  | 63,499                  | 46,004                      |

### CONCLUSIONS

On a global basis, net CW activity on the WARC bands decreases during the CQWW CW contest, albeit by a non-significant amount.

On a North American basis, there is a substantial increase in CW activity on the WARC bands dur-(Continued on next page)



ing the CQWW CW contest, but still far less activity than found on the adjacent bands (above or below) as recorded on the non-contest weekend (11/20).

On a European basis, there is a substantial decrease in CW activity on the WARC bands during the CQWW CW contest.

Overall, the WARC bands do not become "packed with stations" during the CQWW CW contest.



# **Giving Back Update**

## Rob Brownstein, K6RB (CWops #3)

CWops' Giving Back (GB) program is meant to provide on-air QSO experience and practice for anyone who wants it. It was initially intended as a way for our CW Academy students to get some -air experience. We all know that when there is activity on the bands, these days, it's usually a DXpedition pileup or a contest. Today's CW aspirants have had little chance to work others who are skilled at CW, operate at moderate speed, and are committed to helping. That's the mission of Giving Back. The GB volunteers get on the air at approximately 7 PM local time and seek out CQers, or call CQ, and engage in routine QSOs including some conversational tidbits. The operators' schedule appears on the next page.

Here are the December results:

**AA0YY:** KI5PGL, WA2HMB, W7AEH, KN4CQB, W5BIB, W0HY, K6DF, KI7NRI, WQ9H, W7MSL, NA5LU, K6RC

**E25JRP:** E25HGQ (2), E24ZST (3), E20MWE, HS4QKN, HS3PFB (2), HS0GWL, E22MAL, 9M2ZN **G0POT:** IU0QEM

**GW2CWO:** EA7KEJ, HA2PP, I5EFO, HZ1BH, HA8UT, EA7/PA5JF, DL1BXZ, SP5UAM, EA4HKF, S52OW, I5ECW, 9A2UN, IK7FPU, LZ3DL, VE9MM, IU5HES, SQ5AUV, G4HXY, EA3AKP, R4LA, IK4WLA, DH3JZ, DK5KF

JJ1FXF: JE6WGA, K7WLG, JA4IIJ, JJ1FWH, JH3KDZ, JH3UDD, JJ5QLV, JQ2NUD, JA1ORM JJ1VNV: JQ3EEQ

**JM4AOA:** JA4IIJ (2), JA7IKQ, JE6WGA, JE8CIC, JJ5QLV (2), JM8GWK, JN1FAO, JQ1JFW, N6TI **JR1WYW:** JG2AZS, 7K1CRO, JQ2NUD (4), JR8KQS, JJ5QLV (2), JF5CXK, JA1UWF, JH0YLM, JE9AST, JI0DPT, JA1SJR, JA3MDU, JR2RAT

**K6RB:** KE5HL, KB0HXL, KK7INK, VE6VIC, W4EDE, NR4A, KF0IEV, WB6AFL, KG0HG, N0GRA **K7NJ:** NE5E, AA2UP, W7RIP, VA2FJ, K9UCX, KD0UN, K1CAL, N7QR, WA1JAS, KJ5T, N2FQ, WP4JBG, KF6RMK, KX2P, W7ZDX, KI0F, N0XE, W2BXR, WA1WDE, KF7LX, KG9DW, N0IMJ, NU2J, VE4AKF, AE4GX, AG5XU, AA2UP, W4HTM, KY4GS, NN0QTE, W3IMD, NC1IA, W4EAP, KD2CRG, NS7E, K1DFT, NE9H, N0ZT

KV8Q: KCOMYY, W2IEF, KC2ETY, K4RKP

N2GSL: KC2KWA, W8KM, N0LUF, WA5KBH, W3AW, AD0IM, KQ4CZB, NQ3K



N4TMM: NJ8L, KF8R, AB8MR, K2PQ N5OT: KC3SVR, HA3HK, K2OHK, N1SMB, NS7E, W2PDY, KJ7OKA, N2KHH, N6AN, KP4YO SV2BBK: IU0KTT, OE5WLL, HB9GYF, DL2KBD, EA3HTZ, K2YNO, IK5QLO W2XS: KA3LOC, AK3X, KI3O, VE3WH, KC9YI, K1YS, K3WWP, W1PID W5DT: N5KB, K2OHK W8OV: AA0YY, K0CDJ, K6DF, N9EE, AA7TQ, N8DUS, W4YGT 7N2XZB: 6K2HJI

|        | Giving Back Operating Schedule - 7 PM Local<br>40 meters 7.035-7.045 MHz and/or 80 meters 3.535-3.545 MHz |       |        |        |         |       |              |              |              |              |                 |  |  |
|--------|---|-------|--------|--------|---------|-------|--------------|--------------|--------------|--------------|-----------------|--|--|
| UTC+9  | UTC+7   | UTC+3 | UTC+2  | UTC+1  | UTC/BST | UTC-1 | EDT<br>UTC-4 | CDT<br>UTC-5 | MDT<br>UTC-6 | PDT<br>UTC-7 | Hawaii<br>UTC-9 |  |  |
| Mon    |   |       |        |        |         |       |              |              |              |              |                 |  |  |
| JH2HTQ |   |       |        |        | G2CWO   |       | W2XS         | AA0YY        |              | N6HCN        |                 |  |  |
| JO1DGE |   |       |        |        |         |       | WK4WC        |              |              |              |                 |  |  |
| TUE    |   |       |        |        |         |       |              |              |              |              |                 |  |  |
| JH2HTQ | E25JRP  |       | SV2BBK |        | GW2CWO  |       | N4TMM        | W80V         | K7NJ         | K6RB         |                 |  |  |
| JR1WYW |   |       |        |        |         |       | WE5P         |              | KOES         | W7ZDX        |                 |  |  |
| 7N2XZB |   |       |        |        |         |       |              |              |              |              |                 |  |  |
| Wed    |   |       |        |        |         |       |              |              |              |              |                 |  |  |
| JH2HTQ |   |       |        |        |         |       | K3ZGA        | W2ITT        |              |              |                 |  |  |
| JM4AOA |   |       |        |        |         |       |              | K8UDH        |              |              |                 |  |  |
| Thurs  |   |       |        |        |         |       |              |              |              |              |                 |  |  |
| JH2HTQ |   |       | SV2BBK |        |         |       | KV8Q         | N5OT         | K7NJ         | W7ZDX        |                 |  |  |
| JJ1VNV |   |       |        |        |         |       |              |              |              |              |                 |  |  |
| FRI    |   |       |        |        |         |       |              |              |              |              |                 |  |  |
| JH2HTQ |   |       | SV2BBK |        | GW2CWO  |       | N2GSL        | AA0YY        | WB7S         |              |                 |  |  |
| JR1WYW |   |       |        |        |         |       |              |              |              |              |                 |  |  |
| Sat    |   |       |        |        |         |       |              |              |              |              |                 |  |  |
| JJ1FXF |   |       |        |        |         |       |              |              |              |              |                 |  |  |
| JM4AOA |   |       |        |        |         |       |              |              |              |              |                 |  |  |
| Sun    |   |       |        |        |         |       |              |              |              |              |                 |  |  |
| JJ1FXF |   |       |        | IZ8NXG |         |       | W5DT         |              |              |              |                 |  |  |
| JM4AOA |   |       |        |        |         |       |              |              |              |              |                 |  |  |



# **CW Academy**

## Joe Fischer, AA8TA Bob Carter, WR7Q Roland Smith, K7OJL

Following are some general observations about the CW Academy for 2022. The charts presented herein were expertly prepared by Roland K7OJL.

To begin, the CW Academy management/ administrative team is composed of Bob WR7Q, Roland K7OJL, Andrew N7AST and Joe AA8TA.



We do not have a well-defined organizational chart of responsibilities within the CWA administration, but everybody tends to do whatever needs done. Over the last two-plus years, considerable time and energy has been expanded to automate as much of the administration as possible to ease the manual burden of the administrators and advisors and to standardize how things work.

During 2022, Roland and Bob implemented a scheduling system that takes into account the advisor's time zone and local times and matches that up with student's time zones and local times. This has been quite a complicated effort with people all over the world, some areas using half-hour time zone boundaries and different implementations of daylight saving time rules. The end result is that we are able to offer potential students a better idea of when classes are offered and provide a better matching of time availability for both students and advisors. This class time matching is a continuing effort.

Over the last year we have also completely rewritten the curriculum for what used to be called the basic class, which is now called the fundamental class. This was done to reflect what we think should be emphasized in that class.



Looking at trends, our overall student signup numbers have been decreasing.



Picking one class, the beginner class, which is our most popular, has shown a decline this past year and a half.





However, our intermediate class is interestingly showing an increase which seems to run counter to the declines that have more students.

We can probably explain the overall decline by the loosening of COVID pandemic restrictions in most parts of the world. I do not have the exact numbers but my gut feeling is that we are below the 2018-2019 numbers. More frustrating to me is that our European student numbers are declining more than North American numbers. Again, I do not have exact statistics for that but note that many of our EU advisors have NA students who want to take a class that is in their afternoon times. Thanks to Roland's time scheduling efforts to make that possible.



Total classes, which somewhat correlates to number of students:

This shows the bump in pandemic interest. The dip in advisors for this year is mainly because we did not have the students for the volunteer advisors who were available.



One area that receives no attention is our youth CW Academy. There are few kids who sign up for a beginner class, which is the focus of the youth CWA. Our youth advisor, Bruce K1BG, is very passionate about CW operating, learning and using CW and getting young people interested in these things. It is a shame not to take advantage of his passion.

Looking ahead: I see our biggest challenge as promoting the CW Academy to potential students, particularly in Europe. We also need to understand that we are not the only CW learning game in town and how we fit into the overall learning and promotion of CW operating. I know there is a committee within CWops to promote our club and I hope to work my way into some of their efforts.

I would note, from personal experience as an advisor, that many students and non-members read *Solid Copy*; it might be interesting if we could somehow find the ratio of readers who are members to those who are not. The CW Academy produces many new CWops members and the impression of the club is derived from what they read and hear and from what our advisors say; a few advisors are not members themselves.

Something that has been distressing to me is the passionate debate over what member qualification is – is it ability to contest or carry on a conversation?

Why should that matter? To me, if somebody says that we are a contest club, I would say "yes, we are." If somebody says we are a conversation club, I would say "yes, we are." We are also a POTA/SOTA club, a DXing club and other things. We in the CW Academy train students, and future members, to enjoy CW and go out and do whatever they enjoy among the activities above.

We are blessed that around 80 to 90 people, again a few who are not even members of CWops, are so interested in promoting our favorite operating mode that they want to help other people learn or improve their CW abilities. Truly, these are some of the most positive expressions of humanity.

73, Joe AA8TA (CWops #1821) CWA co-Manager



# **New Members**

## Trung Nguyen, W6TN

With great pleasure we welcome the following new members to CWops:

| CWops | call   | Name_ | CWops Call | Name |
|-------|--------|-------|------------|------|
| 3286  | HA5MA* | Laci  | 3289 G4RQI | Dave |
| 3287  | AB8RL* | Tom   | 3290 KORC* | Bob  |

\* Life Member. Note: #3288 is reserved.



#### **Current Nominees**

As of January 9, 2023

Need Sponsors: AI3W, ZS5PG, IZ4APU, N8XE, KP4PI

#### Invitations Extended: OK4RQ

For more details about nominees and up-to-date status, check the "Membership" then "Members only" page on the website: http://www.cwops.org.

For information about joining CWops, check the "Membership" page on the website: http:// www.cwops.org

Notes: If you have updated your personal info, e.g., new QTH, new callsign, or additional callsign, please send it to membership@cwops.org so I can add it to the roster. Vice versa, if your callsign becomes inactive I can remove it, too. Then the roster will be accurate and current for our usage. Thank you.

#### 73, Trung W6TN (CWops #1707)

Membership Manager

## Did your **CALL SIGN** change recently?

Did you move to a **NEW ADDRESS** or change your **NAME**?

Congratulations!

## Help us keep our **DATABASE UP-TO-DATE**

Click <u>HERE</u> to update your contact information.


# **CWops Tests**

# Rich Ferch, VE3KI

Here are the lists of medal qualifiers for 2022. If you are on one of these lists and you want a personal certificate, go to the certificate web page at <u>https://cwops.telegraphy.de/certificate/</u>, enter your callsign and download your 2022 participation certificate as a pdf file. Your certificate will automatically reflect your gold, silver or bronze medal status. If you are not on any of the lists but you did submit a claimed score of 10 or more contacts in at least one CWT in 2022, you can still download a personal certificate from the same web page, but it will just be a participation certificate (not gold, silver or bronze) and you won't qualify for a medallion.

There will be a change in the way the gold, silver and bronze medallions are distributed to qualifying members this year. They will no longer be free. There will be a \$10 USD charge for each medallion to help defray the procurement and mailing costs. The procedure for requesting a medallion will change as well. First, you should check to make sure that you qualified for a medallion by checking the lists here (or on the groups.io website, or by downloading your certificate). If your callsign is on one of the lists you will be able to order your medallion through the CWT page on the CWops website at <u>https://cwops.org/cwops-tests/</u> (near the bottom of the page). The deadline for ordering medallions will be the end of February. Once the procurement order has been sent at the beginning of March, it will no longer be possible to add to the order, so you will need to get your orders in on time. To jog your memories, there will be reminder announcements on the groups.io listserv and in the next issue of this newsletter.

Enjoy the CWTs and keep those reported scores coming!

**73, Rich VE3KI** (CWops #783) CWT Manager





# GOLD



|               |              |                |               | 1 |               |               |               |        |
|---------------|--------------|----------------|---------------|---|---------------|---------------|---------------|--------|
| 2E0OBO        | K4WW         | N5AW           | W4ER          |   | AA0O          | K7SV          | NA4J          | W9NXM  |
| 4X6GP         | K5GQ         | N5ER           | W4IT          |   | AA2AD         | K7UT          | NM5G          | WA2USA |
| 9A1AA         | K5PI         | N5KD           | W4LJ          |   | AA2IL         | K8RJW         | NO5W          | WA3AER |
| 9A3SM         | K5QR         | N5XE           | W4SPR         |   | AB7MP         | K9CPO         | NS8O          | WA3GM  |
| AA3B          | K5YZW        | N5ZO           | W5TM          |   | AC0E          | K9WX          | OH2BN         | WA4JUK |
| AD4EB         | K6RB         | N7US           | W6LAX         |   | AC4CA         | KA5M          | OK1RR         | WA8KAN |
| AD8J          | K7TQ         | NA8V           | W6SX          |   | AE0Q          | KA7MDM        | OK2NAJ        | WB5BKL |
| AF5DM         | K7UD         | NB7O           | W7LG          |   | AE1T          | KB1NO         | PA3DBS        | WB7BWZ |
| AF5J          | K8JQ         | NE5A           | W7PEZ         |   | AF4T          | KB3FW         | <b>PA3HEN</b> | WB8JAY |
| AG3I          | K8WWS        | NF8M           | W8EH          |   | AF8A          | KB3ML         | SM1TDE        | WG3J   |
| AH6KO         | K9ZO         | NJ3K           | W8FJ          |   | AG4EA         | KB9S          | SM5ACQ        | WN7S   |
| CO8NMN        | KA3LXM       | NJ8V           | W8MET         |   | AI6O          | KC2LSD        | SM5SIC        | WS5C   |
| DL6KVA        | KB4DE        | NN4K           | W9ILY         |   | DJ1OJ         | КСЗМ          | SM6MCW        | WS5D   |
| DM6EE         | KC4WQ        | NW3Y           | <b>WA3AAN</b> |   | DK4RW         | KC7V          | SP1D          | WS7L   |
| EA3FZT        | KC8J         | OE1TKW         | WA6URY        |   | DK9PY         | KC9YL         | SP4JFR        | WT2P   |
| EA6BF         | KD2KW        | OH1ZAA         | WA8Y          |   | DL1NKB        | KE2D          | SP7OGP        | WT9U   |
| F6JOE         | KE8G         | OK4MM          | WA9LEY        |   | DL1NKS        | KE4KY         | SQ9S          | WW3S   |
| GOOOD         | KF6C         | OK5MM          | WA9MNF        |   | EA1X          | KH6AQ         | VÄ3SB         | WX8C   |
| G3LDI         | KG5U         | OZ3SM          | WB4SON        |   | F5SGI         | KJ9C          | VE2FK         |        |
| G3WZD         | KG9X         | PAOINA         | WJ0C          |   | G0OOR         | KN4RD         | VE3EJ         |        |
| G4DYC         | KI7Y         | PA2TA          | WJ9B          |   | G3YLA         | KV8Q          | VE3FP         |        |
| G4LPP         | KK0U         | PA3AAV         | WM6Y          |   | GW0KRL        | KW1X          | VE3GFN        |        |
| G4NVR         | KM4CH        | PE2K           | WQ3E          |   | HB9AJY        | KY4GS         | VE3MV         |        |
| G4PFZ         | KM4FO        | PY4XX          | WR7T          |   | I5EFO         | LZ1HW         | VE3NRT        |        |
| G4PVM         | KO4VW        | SAOBXV         | WT3C          |   | IK1YRA        | NOAC          | VE3TM         |        |
| I2WIJ         | KR2AA        | SMOHEV         | WT8P          |   | KOEJ          | NOPP          | VE3TW         |        |
| JN1THL        | KR2Q         | SM5IMO         | WU6P          |   | K1AJ          | N2EI          | WOEJ          |        |
| KOAF          | KT4XN        | SM6CUK         |               |   | K1GU          | N2GG          | WONF          |        |
| KOPD          | KT5C         | SM7CIL         |               |   | K1IG          | N2MA          | WOUO          |        |
| KOPK          | KVOI         | SP5JXK         |               |   | K1NY          | N2YO          | W1RM          |        |
| KOTG          | KW7Q         | VA3PM          |               |   | K1RF          | N3AD          | W2NO          |        |
| KOVBU         | LY5G         | VE3KI          |               |   | K1SM          | N3OC          | W2VM          |        |
| K1DJ          | LZ1ZF        | VE3KIU         |               |   | K2YR          | N3RD          | W3MA          |        |
| K1DW          | MONGN        | VE5GC          |               |   | КЗАТО         | N4AF          | W3UL          |        |
| K1RV          | MORYB        | VE6RST         |               |   | K3QP          | N4DPM         | W3US          |        |
| K1SEI         | NOTA         | VE7XT          |               |   | K3ZA          | N4DW          | W3WHK         |        |
| K1VUT         | N1RBD        | VK2GR          |               |   | K4FN          | N4GL          | W4JM          |        |
| K1V01<br>K2SX | N1RO         | WOGAS          |               |   | K4HR          | N4GL<br>N4ZR  | W4RKU         |        |
| K25X<br>K2TW  | N2EY         | WOUAS          |               |   | K4IU          | N42R<br>N5EE  | W4KKO<br>W4XO |        |
| K3JT          | N3CI         | W1QK           |               |   | K4RUM         | N5EP          | W5MJ          |        |
| K3PP          | NJT          | W1QR<br>W1TO   |               |   | K5AX          | N5CF          | W6AYC         |        |
| K3WJV         | N3QE         | W1UU           |               |   | K5AA<br>K5CM  | N5RZ          | W6KC          |        |
| K3WW          | N4BA         | W1WEF          |               |   | K5KXJ         | N5RZ<br>N5TOO | W6TN          |        |
| K3ZGA         | N4BA<br>N4BP | W1WEF<br>W2KU  |               |   | K50Y          | N7WY          | W7GF          |        |
| K32GA<br>K4GM | N4DF<br>N4DT | W2N0<br>W2NRA  |               |   | K5UV          | N8AA          | W/GF<br>W8CAR |        |
| K4QM<br>K4PQC | N4D1<br>N4FP | W2NKA<br>W2XYZ |               |   | K50V<br>K7AZT | N8AA<br>N8EA  | W8CAR<br>W8FN |        |
| K4PQC<br>K4TZ | N4FP<br>N4ZZ | W2A1Z<br>W4CMG |               |   | K7AZ1<br>K7QA | N8EA<br>N8UM  | W8FIN<br>W8OV |        |
| 11412         |              |                |               |   |               |               | VV6UV         |        |

(Continued on next page)



|        | BRONZE |       |        |       |               |        |        |  |  |  |  |
|--------|--------|-------|--------|-------|---------------|--------|--------|--|--|--|--|
| AA3R   | IN3FHE | K4EES | KCOURL | N3AM  | NY3A          | W2QL   | WJ7S   |  |  |  |  |
| AA4NP  | IT9SSI | K4FT  | KE4S   | N3CKI | OH1NOA        | W3FV   | WO9B   |  |  |  |  |
| AA5JF  | IT9VDQ | K4OAQ | KE6JAC | N3VO  | OZ1AAR        | W3SA   | WU6X   |  |  |  |  |
| AA8R   | JJ1FXF | K4RO  | KF8O   | N4CWZ | PA1BBO        | W3TB   | WV1D   |  |  |  |  |
| AA9SN  | K0AD   | K5ME  | KG7YU  | N4HAI | SA6BGR        | W5LA   | YO4AAC |  |  |  |  |
| AC5XK  | KOHB   | K5MM  | KI6OY  | N4IU  | SM6JWR        | W6GMT  |        |  |  |  |  |
| AD0AB  | KOINN  | K5VBA | KK7A   | N4KS  | SP3FSM        | W6QX   |        |  |  |  |  |
| AE2DB  | KOTC   | K5VG  | KM4WHO | N4NTO | SV2BBK        | W6WG   |        |  |  |  |  |
| CT1ILT | KOWA   | K5XU  | KN6IPE | N5KW  | UX1HW         | W7IY   |        |  |  |  |  |
| DF7TV  | K1ARR  | K6AR  | KX4FZ  | N6HI  | VE3MGY        | W7JET  |        |  |  |  |  |
| DJ2MX  | K1BZ   | K6NR  | KY0Q   | N6TTV | <b>VE3NE</b>  | W8BG   |        |  |  |  |  |
| DJ4MX  | K1EBY  | K6TTT | KZ5D   | N7AUE | <b>VE3NNT</b> | WA5LXS |        |  |  |  |  |
| DJ5CW  | K1LHO  | K7RL  | MODHP  | N8BJQ | <b>VE3SIF</b> | WA5PFJ |        |  |  |  |  |
| DL8TG  | K2DM   | K8FC  | MOXUU  | N8DNA | VE5UO         | WA7CPA |        |  |  |  |  |
| G3LHJ  | K2EJ   | K8GT  | MIOWWB | ND4Y  | VE6JF         | WB7DND |        |  |  |  |  |
| G4HLN  | K3DMG  | K8LBQ | NOBM   | ND9M  | VE7KW         | WB7S   |        |  |  |  |  |
| G4HZV  | K3FH   | K8MR  | N0HOV  | NE0DA | VE9KK         | WC7Q   |        |  |  |  |  |
| G4IZZ  | K3MD   | K8PK  | N1DC   | NM2A  | WOAAE         | WD4CFN |        |  |  |  |  |
| HB9ARF | КЗММ   | K9DX  | N1EN   | NM5N  | WOLPF         | WD6T   |        |  |  |  |  |
| I2IFT  | K3SEN  | K9MA  | N1LN   | NN0G  | W1AJT         | WE4AUB |        |  |  |  |  |
| I5ECW  | K4BAI  | K9WO  | N2WK   | NR3Z  | W1VKE         | WE8L   |        |  |  |  |  |

DDONIZE

# **CWops Member Awards**

- SC -

# **<u>Bill Gilliland</u>**, WØTG

## **Monthly Update**

Please be aware that the Annual Competition Award (ACA) QSO totals reset to zero on January 1 and this January 2023 Member Awards summary shows the final QSO totals for 2022. If you had not uploaded your log prior to January 5, 2023, the total shown here will not include QSOs made after your previous log submission. You may submit a log containing both 2022 QSOs and QSOs from prior years and the website will update correctly.

During December, additional members submitted logs and the number of active participants in the awards program increased to 289 participants. The ACA QSO totals and rankings for the end of December 2022 have the same familiar calls in the top four positions with **KR2Q** remaining in first place and leading second place **AA3B** by 136 QSOs. The changes in the top ten rankings this month are **N5ZO** moving into fifth place followed by **NA8V**, **KG9X**, **N5AW**, **K3WJV** and **K7QA** in sixth through tenth place. The top ten ACA QSO totals this month are from **KR2Q**, **AA3B**, **K3WW**, **N5RZ**, **N5ZO**, **NA8V**, **KG9X**, **N5AW**, **KG9X**, **N5AW**, **K3WJV** and **K7QA**.



With the addition this month of **G4PVM** and **N5AW**, 60 awards participants have now contacted CWops members in 100 or more DXCC entities. The number of participants who have accomplished CWops WAS grew to 175 this month with the addition of **AF8A**, **KODEQ**, **NF8M**, **PA5KT**, **VE3NRT**, **VK2GR**, **WM6Y** and **WU6P**. You can see complete rankings for all award categories at <u>https://</u>cwops.telegraphy.de/scores</u>.

## **CWops Award Tools Participation**

The Top 100 ACA scores reported in *Solid Copy* represent **active** participants only, meaning you must have submitted a log in the current year. Since ACA scores reset to zero at the beginning of each year, active participants are those shown with a non-zero ACA score.

At the end of 2021 we had 257 active participants in the Member Awards Program. As of January 5, 2023, we have 289 active participants, exceeding any previous year's participation. If you have not yet submitted any logs, please do so soon, and we can include your score among the participants.

Inactive participants previously achieved scores in categories other than ACA that are not shown in the Searchable and Sortable Scores Table. To see rankings and scores for both active and inactive participants please use the Score Overview Table where inactive participants are listed with ACA scores of zero, but their scores in other categories are listed at the highest level that was previously submitted.

You can see the final scores for any year by going to the Score Overview Table and selecting the desired year from the "Final scores:" list at the top of the page. All scores categories on the page will then show the final QSO totals and standings for the end of the selected year.

The Searchable and Sortable Table can graph your current year's ACA scores by date and allows you to compare your progression to that of others. Check the Plot button for the calls you wish to see plotted and they will all appear on the same graph.

The CWops Award Tools website main page provides a means of printing your CWT Participation Certificate. You may request a downloadable certificate by clicking the "CWT certificate download" selection at the top of the page. For more information about CWT Participation Awards, please go to <u>https://cwops.org/cwops-tests/</u>.

## About the CWops Member Awards Program

Several operating awards are available for contacting CWops members. These include Annual Competition Award (ACA) recognizing the total number of CWops members contacted in a single year, Cumulative Membership Award (CMA) recognizing the total number of members contacted on each amateur band since January 3, 2010, CWops WAS Award for contacting members in all 50 states, CWops DXCC Award for contacting members in countries on the ARRL DXCC list, CWops WAE Award for contacting members in Europe, and CWops WAZ Award for contacting members in each of the 40 CQ zones. All contacts must be via CW and between current CWops members. To qualify for these awards, you must submit your logs via the tool at the CWops Award Tools website <u>https://</u> <u>cwops.telegraphy.de/</u>. You can also print out your awards certificates at that same website.

A set of tools for managing your awards status is provided on the CWops Award Tools website and if



you regularly upload your logs your awards will be automatically tracked for you. **To view complete** data for all currently active participants and see where you and others rank among active participants in the awards program, use the tools at <u>https://cwops.telegraphy.de/scores-by-call</u>. For more details on the tools provided, see the August 2021 Solid Copy article.

### Please Join Us!

Fabian, DJ5CW, who created the website and the tools, made it extremely easy to participate in the awards program. If you are not among the CWops members who are currently participating, please join us! It adds a lot of friendly competition and fun to your operating.

#### **More Information**

For more information on the CWops Awards Program, please go to <u>https://cwops.org/contact-us/</u> <u>awards/</u>, and address any questions or comments to <u>cwopscam@w0tg.com</u>.

### **Current ACA Top 100**

#### ACA Top 100 as of December 31, 2022:

| Rank | Call   | ACA  | СМА   | DX  | WAS | WAE | WAZ | Rank | Call   | ACA  | СМА  | DX  | WAS | WAE | WAZ |
|------|--------|------|-------|-----|-----|-----|-----|------|--------|------|------|-----|-----|-----|-----|
| 1    | KR2Q   | 1920 | 7696  | 162 | 50  | 56  | 37  | 29   | K0WA   | 1138 | 2562 | 40  | 50  | 18  | 17  |
| 2    | AA3B   | 1784 | 12828 | 130 | 50  | 48  | 38  | 29   | K1DJ   | 1138 | 4794 | 107 | 50  | 44  | 29  |
| 3    | K3WW   | 1655 | 9995  | 133 | 50  | 50  | 38  | 30   | W4WF   | 1135 | 4823 | 93  | 50  | 43  | 32  |
| 4    | N5RZ   | 1587 | 8658  | 125 | 50  | 46  | 36  | 31   | K9WX   | 1130 | 5133 | 101 | 50  | 40  | 30  |
| 5    | N5ZO   | 1522 | 8624  | 110 | 50  | 46  | 35  | 32   | WOUO   | 1124 | 3886 | 64  | 50  | 34  | 23  |
| 6    | NA8V   | 1489 | 8052  | 112 | 50  | 47  | 35  | 33   | K1ESE  | 1113 | 5799 | 130 | 50  | 47  | 36  |
| 7    | KG9X   | 1447 | 6063  | 90  | 50  | 40  | 27  | 34   | WT3K   | 1111 | 4314 | 83  | 50  | 42  | 27  |
| 8    | N5AW   | 1429 | 6143  | 101 | 50  | 46  | 33  | 35   | W9ILY  | 1109 | 6242 | 135 | 50  | 45  | 36  |
| 9    | K3WJV  | 1415 | 7320  | 115 | 50  | 49  | 31  | 36   | N5KD   | 1099 | 2621 | 90  | 50  | 41  | 33  |
| 10   | K7QA   | 1383 | 6003  | 87  | 50  | 39  | 29  | 37   | WN7S   | 1095 | 4364 | 78  | 50  | 37  | 26  |
| 11   | N7US   | 1372 | 6134  | 113 | 50  | 43  | 33  | 38   | K3QP   | 1085 | 3095 | 76  | 50  | 37  | 24  |
| 12   | DL6KVA | 1350 | 7074  | 183 | 50  | 62  | 37  | 38   | N1DC   | 1085 | 5019 | 87  | 50  | 40  | 24  |
| 13   | K4WW   | 1322 | 5259  | 84  | 50  | 38  | 29  | 39   | 9A1AA  | 1058 | 4474 | 127 | 49  | 52  | 38  |
| 14   | W1RM   | 1306 | 8525  | 216 | 50  | 62  | 38  | 40   | KKOU   | 1052 | 2463 | 53  | 50  | 28  | 22  |
| 15   | KC7V   | 1290 | 5701  | 90  | 50  | 36  | 32  | 41   | VE3NRT | 1042 | 2080 | 53  | 50  | 32  | 21  |
| 16   | W1AJT  | 1280 | 3934  | 96  | 50  | 45  | 31  | 42   | WOVX   | 1040 | 5813 | 128 | 50  | 45  | 36  |
| 17   | K1VUT  | 1267 | 5420  | 78  | 50  | 41  | 24  | 43   | K1EBY  | 1034 | 3968 | 94  | 50  | 42  | 31  |
| 18   | AA5JF  | 1250 | 4042  | 90  | 50  | 44  | 30  | 44   | WA4JUK | 1031 | 3960 | 84  | 50  | 41  | 26  |
| 19   | КЗЈТ   | 1248 | 5650  | 103 | 50  | 46  | 30  | 45   | KT5V   | 1024 | 3489 | 80  | 50  | 30  | 29  |
| 20   | CO8NMN | 1238 | 4399  | 74  | 50  | 35  | 24  | 46   | WS7L   | 1021 | 2854 | 60  | 50  | 26  | 25  |
| 20   | DK9PY  | 1238 | 4219  | 102 | 50  | 45  | 32  | 47   | KC4WQ  | 1020 | 3398 | 61  | 50  | 28  | 25  |
| 21   | VE3KI  | 1236 | 7312  | 140 | 50  | 53  | 37  | 48   | NA4J   | 1017 | 3713 | 74  | 50  | 34  | 24  |
| 22   | W8FN   | 1225 | 4268  | 74  | 50  | 37  | 24  | 49   | KV8Q   | 992  | 2920 | 67  | 50  | 33  | 23  |
| 23   | WT9U   | 1217 | 5715  | 103 | 50  | 41  | 30  | 50   | N8BJQ  | 985  | 7522 | 133 | 50  | 48  | 39  |
| 24   | КЗРР   | 1215 | 5470  | 103 | 50  | 45  | 28  | 51   | AA2IL  | 977  | 2163 | 43  | 50  | 18  | 20  |
| 25   | K6NR   | 1211 | 4766  | 66  | 50  | 32  | 28  | 51   | K3ZA   | 977  | 2603 | 50  | 50  | 33  | 18  |
| 26   | VE3TM  | 1189 | 3801  | 88  | 50  | 43  | 26  | 52   | VE3MV  | 973  | 3667 | 82  | 50  | 41  | 21  |
| 26   | VK2GR  | 1189 | 2370  | 74  | 50  | 38  | 29  | 53   | AF4T   | 969  | 3023 | 72  | 50  | 36  | 26  |
| 27   | K5AX   | 1169 | 5025  | 93  | 50  | 38  | 32  | 53   | K1SM   | 969  | 4228 | 132 | 50  | 46  | 36  |
| 28   | N4CWZ  | 1144 | 3251  | 58  | 50  | 33  | 20  | 54   | N3QE   | 966  | 7346 | 128 | 50  | 48  | 35  |
| 28   | NJ3K   | 1144 | 3644  | 69  | 50  | 38  | 23  | 55   | DL1NKS | 965  | 2713 | 95  | 50  | 49  | 31  |



| Rank | Call   | ACA | СМА  | DX  | WAS | WAE | WAZ | Rank | Call   | ACA | СМА  | DX  | WAS | WAE | WAZ |
|------|--------|-----|------|-----|-----|-----|-----|------|--------|-----|------|-----|-----|-----|-----|
| 56   | AF5J   | 962 | 2755 | 57  | 50  | 23  | 23  | 77   | EA6BF  | 826 | 2046 | 73  | 46  | 42  | 29  |
| 56   | KY4GS  | 962 | 1970 | 48  | 50  | 24  | 19  | 78   | PAOINA | 824 | 2078 | 89  | 48  | 44  | 31  |
| 57   | K2TW   | 945 | 3753 | 62  | 50  | 32  | 22  | 79   | I2WIJ  | 822 | 3917 | 95  | 49  | 45  | 32  |
| 58   | WT2P   | 944 | 4642 | 85  | 50  | 31  | 27  | 80   | W6LAX  | 820 | 2303 | 42  | 49  | 20  | 21  |
| 59   | WOGAS  | 940 | 2276 | 46  | 50  | 20  | 21  | 81   | F5SGI  | 819 | 2257 | 95  | 50  | 49  | 30  |
| 60   | KY0Q   | 939 | 2905 | 61  | 50  | 28  | 25  | 82   | KOAF   | 817 | 1312 | 45  | 50  | 22  | 18  |
| 61   | K4TZ   | 919 | 2818 | 43  | 50  | 20  | 16  | 83   | K4EU   | 811 | 1427 | 47  | 48  | 27  | 19  |
| 62   | AC6ZM  | 901 | 4094 | 66  | 50  | 36  | 22  | 84   | KE8G   | 810 | 3361 | 78  | 50  | 35  | 25  |
| 63   | КОНВ   | 894 | 4029 | 84  | 50  | 36  | 31  | 85   | N4FP   | 806 | 2700 | 59  | 50  | 32  | 20  |
| 64   | KM4FO  | 892 | 3011 | 47  | 50  | 18  | 17  | 86   | SM6CUK | 797 | 4565 | 156 | 50  | 56  | 38  |
| 65   | N2UU   | 890 | 5327 | 112 | 50  | 46  | 31  | 87   | EA2KV  | 796 | 1832 | 69  | 47  | 41  | 25  |
| 66   | N3CKI  | 877 | 1969 | 45  | 50  | 25  | 16  | 88   | W3WHK  | 795 | 3156 | 73  | 50  | 34  | 21  |
| 67   | DF7TV  | 875 | 2725 | 101 | 50  | 48  | 34  | 89   | EA1X   | 791 | 2570 | 76  | 48  | 42  | 28  |
| 68   | KA1YQC | 866 | 2158 | 61  | 50  | 33  | 20  | 90   | K2YR   | 788 | 2405 | 49  | 49  | 30  | 19  |
| 69   | WA9LEY | 860 | 4092 | 112 | 50  | 40  | 33  | 91   | WS1L   | 787 | 2731 | 61  | 50  | 36  | 19  |
| 70   | W4CMG  | 859 | 1884 | 44  | 50  | 21  | 18  | 92   | DJ5CW  | 784 | 3133 | 100 | 48  | 53  | 34  |
| 71   | WONF   | 855 | 1643 | 27  | 50  | 11  | 15  | 93   | W9SN   | 783 | 1353 | 51  | 49  | 30  | 21  |
| 72   | W2CDO  | 850 | 2745 | 65  | 50  | 37  | 21  | 94   | K8AJS  | 776 | 4202 | 104 | 50  | 44  | 31  |
| 73   | AF8A   | 846 | 3067 | 71  | 50  | 35  | 22  | 95   | K3ZGA  | 773 | 2170 | 57  | 50  | 30  | 19  |
| 74   | K4GM   | 843 | 3943 | 85  | 50  | 37  | 27  | 96   | W6AYC  | 769 | 2678 | 47  | 50  | 20  | 22  |
| 75   | OZ3SM  | 834 | 2812 | 105 | 49  | 50  | 35  | 97   | EA3FZT | 762 | 2169 | 78  | 48  | 45  | 25  |
| 75   | W1UU   | 834 | 4355 | 114 | 50  | 41  | 33  | 98   | W0TG   | 751 | 3175 | 70  | 50  | 31  | 25  |
| 75   | W8EH   | 834 | 2351 | 57  | 50  | 28  | 22  | 99   | WU6P   | 748 | 1743 | 32  | 50  | 14  | 18  |
| 76   | G4LPP  | 830 | 2210 | 88  | 49  | 45  | 31  | 100  | G4PVM  | 747 | 2644 | 101 | 50  | 48  | 33  |

# 73, Bill WØTG (CWops #1873)

**CWops Operating Awards** 

# **Mini Tests Schedule**

| SPEED       | ххт | DAY       | TIME (UTC)   | EXCHANGE                  | SPONSOR LINK           |
|-------------|-----|-----------|--------------|---------------------------|------------------------|
| 20 - 25 wpm | MST | Monday    | 1300 - 1400z | Name and QSO serial num-  | International CW Coun- |
| 20 - 25 wpm | MST | Monday    | 1900 - 2000z | Name and QSO serial num-  | International CW Coun- |
| 20 - 25 wpm | MST | Tuesday   | 0300 - 0400z | Name and QSO serial num-  | International CW Coun- |
|             |     |           |              |                           |                        |
| 25+ wpm     | СМТ | Wednesday | 1300 - 1400z | Name and CWops # (or S/P/ | <u>CWops</u>           |
| 25+ wpm     | сwт | Wednesday | 1900 - 2000z | Name and CWops # (or S/P/ | <u>CWops</u>           |
| 25+ wpm     | сwт | Thursday  | 0300 - 0400z | Name and CWops # (or S/P/ | <u>CWops</u>           |
| 25+ wpm     | СМТ | Thursday  | 0700 - 0800z | Name and CWops # (or S/P/ | <u>CWops</u>           |
|             |     |           |              |                           |                        |
| < 20 wpm    | SST | Friday    | 2000 - 2100z | Name and S/P/C            | <u>K1USN</u>           |
| < 20 wpm    | SST | Monday    | 0000 - 0100z | Name and S/P/C            | <u>K1USN</u>           |



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# QTX Report: Enjoying the Art of Conversational CW

# Bruce Murdock, K8UDH

Last year is in the books. It's easy to think about all the things that didn't work out or the things we wished we had done last year but didn't. Those thoughts alone do not change anything. Instead, we can use the experiences of last year to help us develop some reasonable goals for 2023. I plan to have more activity in the hamshack and do more CW ragchewing next year. We'll see how it works out.

Cecil K5YQF had a great year with CW ragchewing. He was the high scorer for 2022 with 694 QTX ragchew QSOs. Awesome!!! Congratulations Cecil on a job well done. He will receive a hand-some plaque commemorating his accomplishment.

QTX Certificates are available upon reaching the 100, 500, and 1000 QTX QSO levels. Members can download and fill out one of the certificates. <u>https://cwops.org/qtx-awards/</u> They will look great on your wall.

As we announced in the December Solid Copy, I am stepping down from my position as the QTX Manager. We're looking for a new QTX Manager. I hope you're interested in the opportunity to make a difference for CW and CWops. If so, please let me know. <u>murdock27@gpcom.net</u> Thanks.

## **Comments from QTX Submissions**

**W8OV:** I had a couple QSOs with an operator who is trying hard to improve his QSO and speed, as he has taken the CWA Intermediate class 3 times. Our second QSO was at 18 wpm and he seemed to copy everything.

**G3WZD:** New Year's Resolution; do more QTX!! HNY one and all...

**N9EEE:** I operate QRP so I always appreciate the ops on the other end giving me honest signal reports and willing to go the distance if I'm a 449. Happy New Year!

**W3WHK:** HNY, Bruce! Particularly interesting QSO with WD4xxx in Louisville, who is a wellknown professional gospel singer. I am working on him to join CWops. Also chatted with NZ8J (CWops #1217).

**WS1L:** December was a great month for QTX. Thanks to everyone who made my log fatter in 2022 and I hope to work you again in 2023. HNY!!

**W9EBE:** Thank you Bruce/K8UDH for being an excellent QTX Manager through the years! Happy New Year to all -- 73 es ZUT

**VE3WH:** I have had a very enjoyable year of MQTX and QTX rag chews with many over an hour. The follow up e-mails, QSOs, and QSL cards were all very encouraging. The most fun was working operators that normally only do exchanges that find out by surprise that conversational CW is



something they actually like. Let's keep the conversation going!

**F5IYJ:** Wishing you all the best for 2023 and, of course, many ragchews on the air, with good telegraphers.

**GW0ETF:** Most operating this month was running GW5WS in the Transatlantic Test event so very little rag-chewing!

**K5KXJ:** Not a big count for the month due to very limited time to get on the air. But there were some FB Qs with one being (if he is interested) a good CWops member candidate.

**N6HCN:** Not that I'd recommend it, but getting COVID sure made my holiday more relaxing and boosted my QTX scores!

**K6DGW:** Schedules with NU6T have been working well, his CW is improving steadily [mine might be a little too] Happy New Year.

**K5YQF:** Been an enjoyable year for ragchew. Met new folks and got better acquainted with many others. Thanks for a fine year and looking forward to 2023. 73s all.

**AJ1DM:** I am so fortunate to have had so many great people to qso with in 2022. I'm looking forward to more fun in 2023, with those folks, as well as with others I have yet to meet! 73 de John AJ1DM

## K4AHO: Working a lot of POTA

**WA2USA:** I had another Q with Wes AC5K talking about old Heathkit amps and antennas. Wes and I seem to have pipeline between us on 30 meters.

**KB6NU:** I finally hit my goal of one per day! The ops seemed chattier than usual this month for some reason. Maybe everyone was off work. I capped off the month with a nice ragchew with Alan, W4MQC, #182, on New Years Eve.

**WA9ZZ:** 2022 Was a great year of CW ragchewing with friends. My New Year's resolution for 2023 is to earn a QTX 100 Award certificate!

**NEOS:** Happy new year to all of my CW and QTX buddies. Special shout to John N6HCN for making the effort to resume our weekly QTX QSOs. We had two long ones, despite John testing positive for Covid. That was a minute before we got on the air. Shout out to Guy and Rose. Both committed to weekly QTX for the New Year. Looking forward to adding them to the calendar. QTX can create the best friendships ever. Thanking the ionosphere for helping it all work. If you don't know, she (the ionosphere) has feelings too, WTX secret. To the contesters, just kidding! I am sober, . . . and thanks always Bruce.. 73 all

**MOKTZ:** December was as good as other months, with interesting openings on 15m-12m-10m which allowed several longer QSOs with some interesting DX. Thanks for the QTX/MQTX programme: it's a great incentive to keep our QSOs running, and this almost invariably results in get-



ting to know better our fellow hams.

**KG5SSB:** This was a good month for ragchewing on the higher bands (15, 12, & 10 meters). Go on up there and call CQ. 73 & Happy New Year!

**KG5IEE:** Enjoyed a lot of air-time on my vintage rigs during December. Several vintage-to-vintage QSOs with Bruce K8UDH.

**NEOS:** Better later than never.

N2DA: Enjoyed the end of year sked QSOs! Happy New Year!

**K8UDH:** I'm looking forward to 2023 with lots of ragchew QSOs, often with classic rigs from the 1960s. They're lots of fun to operate.

### Awards and Medals for 2022

Medals for 2022 are awarded for three different levels in QTX.

Gold – 400 QTX QSOs Silver Medal – 300 QTX QSOs Bronze – 200 QTX QSOs

For 2022, K5YQF, VE3WH, K9OZ, and WS1L have earned a Gold Medallions. N5IR and KB6NU have earned Silver Medallions. KC0VKN, F5IYJ, and WA2USA have earned a Bronze Medallion. Congratulations!!!!

## **QTX for December**

| <u>Call</u> | <u>QTX</u> | <u>Call QTX</u> | <u>Call Q</u> | TX | Call   | <u>QTX</u> |
|-------------|------------|-----------------|---------------|----|--------|------------|
| VE3WH       | 81         | KC0VKN 28       | K6DGW         | 12 | K4AHO  | 6          |
| K5YQF       | 70         | KY4GS 20        | KG5IEE        | 11 | N9EEE  | 5          |
| WS1L        | 55         | NEOS 18         | K8UDH         | 10 | W3WHK  | 4          |
| F5IYJ       | 47         | WA2USA 18       | KOALT         | 8  | KG5SSB | 3          |
| KB6NU       | 32         | N2DA 16         | MOKTZ         | 8  | W0GAS  | 3          |
| N5IR        | 31         | AA0YY 13        | K5KXJ         | 7  | W80V   | 3          |
| N6HCN       | 29         | AJ1DM 13        | W9EBE         | 7  | WA9ZZ  | 3          |



# **MQTX for December**

| Call   | MQTX | <u>Call MQTX</u> | <u>Call MQTX</u> | <u>Call MQTX</u> |
|--------|------|------------------|------------------|------------------|
| MOKTZ  | 39   | KY4GS 12         | GW0ETF 4         | N9EEE 1          |
| VE3WH  | 31   | N6HCN 11         | K4AHO 4          | W0GAS 1          |
| AA0YY  | 26   | WS1L 11          | W80V 4           | WA9ZZ 1          |
| KG5IEE | 17   | W9EBE 9          | AJ1DM 3          |                  |
| K5YQF  | 13   | K5KXJ 5          | NEOS 2           |                  |
| KG5SSB | 12   | K6DGW 5          | G3WZD 1          |                  |

# QTX Totals (2022)

| Call   | <u>QTX</u> | Call   | <u>QTX</u> | Ca  | Ι QTX   | <u>Call</u> | <u>QTX</u> |
|--------|------------|--------|------------|-----|---------|-------------|------------|
| K5YQF  | 694        | N2DA   | 169        | KY4 | 1GS 49  | GW0ETF      | 14         |
| VE3WH  | 564        | W9EBE  | 153        | EI5 | LA 44   | NOBM        | 14         |
| K9OZ   | 437        | KG5IEE | 125        | AA  | 5AD 43  | AC8RG       | 10         |
| WS1L   | 420        | AJ1DM  | 115        | WA  | .9ZZ 40 | SV2BBK      | 10         |
| N5IR   | 321        | K8UDH  | 111        | K0/ | ALT 39  | N9EEE       | 9          |
| KB6NU  | 302        | K4AHO  | 102        | WO  | GAS 36  | WT9Q        | 9          |
| KC0VKN | 282        | N8AI   | 67         | KF6 | 5NCX 35 | AB7MP       | 6          |
| F5IYJ  | 263        | K7VM   | 57         | KG  | 7A 33   | EI6LA       | 6          |
| WA2USA | 224        | MOKTZ  | 57         | AA  | DIZ 32  | KB4WLF      | 5          |
| N6HCN  | 193        | W7JRD  | 55         | W8  | OV 26   | MIOWWB      | 4          |
| AA0YY  | 179        | K5KXJ  | 51         | W3  | WHK 24  | G3WZD       | 3          |
| NEOS   | 179        | K6DGW  | 50         | KG  | 5SSB 20 | )           |            |

# MQTX Totals (2022)

| <u>Call</u>   | <u>MQTX</u> | <u>Call M</u> | <u>QTX</u> | <u>Call M</u> | <u>QTX</u> | <u>Call</u>  | <u>MQTX</u> |
|---------------|-------------|---------------|------------|---------------|------------|--------------|-------------|
| MOKTZ         | 317         | K6DGW         | 93         | NEOS          | 35         | WA9ZZ        | 10          |
| VE3WH         | 261         | AA5AD         | 79         | EI5LA         | 34         | AB7MP        | 9           |
| W9EBE         | 206         | KG5SSB        | 73         | MIOWWB        | 34         | <b>W3WHK</b> | 7           |
| AA0YY         | 198         | N6HCN         | 55         | KG7A          | 33         | WT9Q         | 6           |
| SV2BBK        | 184         | KY4GS         | 49         | AA0IZ         | 24         | KB4WLF       | 5           |
| KG5IEE        | 173         | K4AHO         | 47         | KF6NCX        | 24         | EI6LA        | 4           |
| K5YQF         | 136         | K5KXJ         | 42         | W80V          | 23         | AC8RG        | 3           |
| WS1L          | 133         | K8UDH         | 41         | K7VM          | 20         | W0GAS        | 2           |
| <b>GW0ETF</b> | 123         | AJ1DM         | 40         | NOBM          | 17         | N9EEE        | 1           |
| N8AI          | 97          | W7JRD         | 39         | G3WZD         | 12         |              |             |

We have numerous ways to enjoy CW. For many of us, CW ragchewing is our favorite way.

# **73, Bruce, K8UDH** (CWops #1654)

QTX Manager



# **My Story: New Member Biographies**

Compiled by <u>Tim Gennett</u>, K9WX (CWops #1462)

# Laci Viczian, HA5MA

My ham life started in 1965 aged 12 in a radio club for youngsters. Got my license in 1973.

I'm a retired electrical engineer, living in a family house with XYL and two sons. The home QTH has limited antenna opportunities.

I'm also a secretary of the club HG5C near Budapest. That station is a remote QTH with big antennas available for a nice couple of ham friends.

I like DXing and contesting very much.



# Derek Brown, WF4I

I got interested in amateur radio during high school in the mid-60s but did not get licensed. Learning Morse code was a "requirement" for all classes of licenses then and I could not master the 5 wpm reguired for a Novice ticket. Practice material then was listening to an LP (record) or copying W1AW off the air and I lacked a suitable receiver. In the late 70s my interest in radio was re-kindled and I signed up for a Novice course and later a General Class course. I was licensed in the spring of 1977 as WD4HFV and retained that callsign until I upgraded to Extra and became WF4I. By this time code practice material was available on cassette tapes which worked much better for me. However I learned CW "the wrong way" – slow character speeds, counting dits and dahs, and writing everything down. That severely limited my progress but eventually I was



able to meet the 20 wpm code requirement for Extra. This is why I have great enthusiasm for the CWops CWA, learning code "the right way," fast character speeds and head copy.

About two and a half years ago I learned about CWops and the CW Academy. Already copying over 20 wpm, I signed up for the Advanced Course and committed to an hour of practice daily.



Our CWA advisor, K6HP, encouraged us to participate in CWTs. The 0300 session was the only one available to me with my work schedule and I had to get up for work about 4 ½ hours later which did not work out. This past August I retired and was finally able to participate in the 1300 and 1900 CWTs. Before retirement, I purchased a FTdx10, a WinKeyer USB and set up N1MM Logger. I am a neophyte contester but I'm slowing improving.

My amateur radio interests include SOTA, POTA, WWFF – both as activator and chaser, QRP, ragchewing and building or modifying radios and accessories. I get on SSB or digital modes occasionally to work a new park but have a strong preference for CW. I chase DX but not as avidly as in my earlier years in amateur radio. I am a Volunteer Examiner and assist in exam sessions locally. I belong to ARRL, QRP ARCI, QRPCC, SKCC, the High Point (NC) ARC and the KnightLites QRP Society (NC). I had a varied professional career that included the US Army Signal Corps, outside sales, industrial & RF electronics and materials planning. Outside amateur radio, I enjoy fly fishing / tying, SCUBA diving, traveling and doing fun stuff with my wife, Glenda. We are also a multi-cat family.

I am thrilled to be a member of CWops; it has been a long-time goal. My thanks to AB4PP for nominating me and for K5UV, N9TTK and N3JT for sponsoring me. I hope to be a regular participant in CWTs, to engage my fellow CWops in CTXs and, most important, to constantly improve my CW skills.

## Heather Flewelling, AH7RF

Name is Heather and been ham since 2018.

QTH is Honolulu, Oahu es Kawaihae big island of Hawaii.

Rig is a KX2, running 5w QRP, and antenna is end-fed or G5RV or dipole or ?. I like portable QRP, parks, SOTA, CWTs, antenna experiments and rubber chickens.

<u>I'm an astronomer and I have my own comet.</u> Learned CW from CW academy. TU to my advisors: KH6TU/AD6E, K1DW, K1EBY, AC6AC, WM6T, N4DPM; TU to my Elmers: KH6DL, AH6KO, NH6O; TU to my sponsors: AC6AC, N4DPM, AJ6CU, N3BQ, AD6E, KE8HXE, NH6O.

Many thanks, QRP is fun!





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