

## Classic Exchange Newsletter

### Fall 2024

CQ CX de K3MSB.....

Another CX has come and gone. I missed both weekends due to prior commitments but reports have been that the high bands were pretty good but transcontinental QSOs on 40M and 80M almost nonexistent. This seems to be par for the course during this Sunspot Maximum especially with Old Sol blasting out CMEs with alarming regularity!

CX'ers Again stated that having the CX Chat room was a nice feature. I sent the administrator a few bucks last year for server upkeep and it looks like we found a chat-room home for the CX.

Lots of nice photos and comments from participants for you to enjoy in this newsletter. If you like stories such as the restoration of a big heavy transmitter that has sat for over half a century in a garage on a furniture mover with flat tires, then Paul W6MZ's contribution will be right up your alley!

An observation from this newsletter and preceding editions is that the Heathkit DX-60 ( ) and Drake 2 ( ) receiver combination seems to be one of the more (if not the most) popular combinations that show up in the CX. They are great performers and you don't get a hernia when lifting them.

I've also noted that more people seem to be trying Command Set transmitters of both the SCR-274N and AN/ARC-5 varieties. These transmitters are very easy to work on and with a stout 550V on the plate they can produce a very pleasing signal. On the other hand, I rarely see anybody using a Command Set receiver. Without a Q5'er or external audio processor, the default bandwidth is rather wide.

At one point I had a table of radios that were either used or heard in the CX. I searched the submitted logs for radios not only used by the submitters, but also radios logged (many of which were not submitted by their operators). Is this something you would find interesting in the newsletter? It takes time to do this as many logs are scanned image of handwritten logs. But if there's enough interest, I can try to do this again. Let me know your thoughts on this.

A sad farewell to Ron K2RP who is stepping down as co-organizer of the CX. Ron and I have worked together since 2017 as co-organizers.. I, and others, will surely miss his valued contributions that have kept the CX running over the years. Thanks Ron, you will be missed – and we look forward to working you in upcoming events!

Finally, I am saddened to report the passing of Dennis W5FRS and Bill K4JYS. Their “sweet chirps” will be fondly remembered.....

73 Mark K3MSB  
CX Newsletter Editor

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**The Sweet Chirp Awards!**



Congratulations!

Toby VE7CNF: BC-458A

Mark W7ESN Multi-Elmac AF67

Jim W7JMP BC-459A

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### CW Only Scores

#### 4 Or More Pairs

CALL	NAME	SCORE
K2RP	RON	91,906
W8KGI	JIM	81,180
WB2AWQ	HOWIE	76,734
VE7CNF	TOBY	66,728
K3MD	JOHN	21,801
KR7W	RICKY	12,864
VE7BGP	GERRY	4,080

#### 3 Or Fewer Pairs

CALL	NAME	SCORE
VA7MM	MARK	20,064
K9VKY	BRIAN	12,300
N5GW	GENE	7,020
KG5IEE	RANDALL	6,042
NZ0T	BILL	5,668
W6MZ	PAUL	5,339
NR7V	HALDEN	3,780
W8MND	BILL	3,042
W2XS	JOHN	2,006
N4HAY	DICK	1,800
VE7UTS	HALDEN	972
KB8TL	BOB	792
WB3ABF	DICK	490
N2DA	CRAIG	336
K4BSK	EARL	330

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### Phone Only Scores

#### 4 Or More Pairs

CALL	NAME	SCORE
K2RP	RON	108,192

#### 3 Or Fewer Pairs

CALL	NAME	SCORE
W1VSX	DAVE	44,220
VE7CNF	TOBY	8,514
VE7BGP	GERRY	2,338

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### Mixed (Phone + CW) Scores

#### 4 Or More Pairs

CALL	NAME	CW SCORE	PHONE SCORE	TOTAL
K2RP	RON	91,906	108,192	200,098
W8KGI	JIM	81,180		81,180
WB2AWQ	HOWIE	76,734		76,734
VE7CNF	TOBY	66,728		66,728
K3MD	JOHN	21,801		21,801
KR7W	RICKY	12,864		12,864
VE7BGP	GERRY	4,080		4,080

#### 3 Or Fewer Pairs

CALL	NAME	CW SCORE	PHONE SCORE	TOTAL
W1VSX	DAVE		44,220	44,220
VA7MM	MARK	20,064		20,064
K9VKY	BRIAN	12,300		12,300
VE7CNF	TOBY		8,514	8,514
N5GW	GENE	7,020		7,020
KG5IEE	RANDALL	6,042		6,042
NZ0T	BILL	5,668		5,668
W6MZ	PAUL	5,339		5,339
NR7V	HALDEN	3,780		3,780
W8MND	BILL	3,042		3,042
VE7BGP	GERRY		2,338	2,338
W2XS	JOHN	2,006		2,006
N4HAY	DICK	1,800		1,800
VE7UTS	HALDEN	972		972
KB8TL	BOB	792		792
WB3ABF	DICK	490		490
N2DA	CRAIG	336		336
K4BSK	EARL	330		330

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**W1V SX – Dave  
Coral Springs FL**

Dave writes:

This is the first time I have entered the Classic Exchange contest!

I worked both days of the contest with three vintage stations and had a serious BLAST doing it. I am happy to report that all radios operated for the duration of the contest with no failures or issues.

I hope to really "step up my game" in the future contests, but for my first, I decided to work a single band (20 meters only) but I plan on a multi-band approach in the future.

Thank you so much for doing this - I think it is one of the best contest formats out there. P.S. I have added some photos of the radios used in the contest.



*Heathkit SB-104 Station*

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*Heathkit SB-104 #2*



*Collins KWM-2*

73 Dave  
W1V SX

Editor's Comments: Hi Dave – Welcome to the CX. That's a very well appointed SB-104 station you have there! You know of course that everything working “FB OM” throughout the event is only granted to first time participants! Murphy now knows who you are..... ☺

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**N2DA – Craig**  
**Forest VA**

Craig writes:

Hi Mark and Ron:

Well, I wasn't able to get on the air much for the CX this year but I managed to make three CW CX QSOs on Tuesday night using my HW-100 that I put together while in high school.

I'm using a Center Fed Zepp antenna located in my attic and a Vectronics VC-300DLP Antenna Tuner.

I am always amazed at how much one has to rely on their ears and brain to filter CW on the HW-100, given it's audio bandwidth is about 2.1 KHz (no CW filter)!

It was nice to work Randal KG5IEE (on 20M and 40M) and Bill NZ0T (on 40M).

73 Craig

Editor's Comments: Yes indeed Craig! The ear and brain make a wonderful CW receiver when trained over time. I like to listen to medium-wave (MW) beacons in the 200 to 530 Kc range on my WW II era RBA-1 receiver. Most United States beacons are modulated within a small range centered around  $\pm 1.020$  KHz of the carrier frequency. Some frequencies have 4 to 5 stations on them and it's great to listen to them fade in and out as well as move in phase with respect to each other!

**WB2AWQ/7 – Howie**  
**Reno NV**

Howie writes:

Howdy CXers!

Started this CX by not being able to sleep the night before. I went out to the shack at 1300Z and found.....nothing. Heard N6KN weakly on 40M but no other CX signals were heard. Went back to bed for a couple hours. Tuned into 20M, the Illinois QSO Party (ILQP) was there in full swing. I raised Mark W7ESN and KR7W and had a few QSOs with different gear, then tried 15M. The ILQP again, but no CXers. Bands were open. RBN said I was loud and clear. Waited till the ILQP activity settled down. I



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promised the XYL we'd go to brunch and a local craft fair. Thus far I'd only qualified my two solid state rigs, a TS-440S and IC-735, both 40 years old. Tried tuning up my newly acquired TS-530SP hybrid, only to find the HV was down to 400, probably a blown diode. Hope it's not the transformer but that'd have to wait till Monday to troubleshoot. Lots of other gear to qualify though.

Home from breakfast at 2230Z. Went back on 20M and worked 15 stations on 20M which then seemed to quit. I switched to 40M and proceed to work another 19 stations till 40M quit at least on CX. To bed!

But Toby VE7CNF, with whom I had a BC-458A to BC-458A QSO, had virtually NO chirp on his BC. I asked him what he did, and it was the result of changing the screen bypass caps, to .002mF from what was in there. Something way larger I guess. Have to check the schematic! Now, I'm not sure I want to give up the "Sweet Chirp" award to a small capacitor, but I may try it to see if it makes a difference like it did for Toby. Will keep you posted!

Editor's Comments: Hmmmm. If we "de-chirp" all our command sets I may have to start issuing a "Dead Parrot" award for such radios!

I did work the usual plethora of non-regular CX stations including AI8Z (who I may have worked before in CX, as he had a HB TX with an 814 in it), KM6ZX, KB6FPW, who had a Corsair 2, NR7V with a HW-101, N4DLA with an Argonaut, and KI7NRI who I've worked several times now non-CX, with an Omni-D. Always great to work non-regular CX stations, especially if they're running classics. I worked my friend Jim, W7JMP who finally got himself a BC-459A, and built a converter for a BC-453. He's also got a Globe Scout, and some other HB stuff.

Band conditions on Tuesday weren't great but the core (read RETIRED) CX group was on. Listened on 40M, but heard no CX activity. Back to bed. At 9:30, 20M was reasonably busy. Worked NR7V again but this time from Vancouver, so he signed VE7UTS. Went to 40M around 0030Z and found some activity starting there. In total, the farthest station on Tuesday was NM, W8KGI. Jim only had one rig ready to go. All the rest I worked were in CA, OR, WA, BC and WA. Then I had to go as the XYL was getting a haircut etc. Made dinner, then I hit the radios around 0300Z. Went to 40M just for a few minutes, then 80M around 0330Z after some antenna issues, and quit at 0416Z.

Again Toby got the Golden Chirp Award from me once he removed the new caps from the screens on his BC-458A, although Mark W7ESN ran a close second with his Multi-Elmac AF67.

Missed qualifying my Drake T4XC, and my newly acquired TS-530SP, and Swan 350 but all else was good to go. Overall a good CX (as always), thanks Ron and Mark!!

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Viking Invader 200 (1960), Hallicrafters SX-101A (1959)



Viking Navigator (1952?)



Howard 435A, lousy receiver (1941)



Collins R-388 (1953)



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**K3MD – John  
Winfield PA**

John provided the following photos:



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### N4HAY – Dick Morrisville NC

Dick writes:

I really enjoyed the CX on both Sunday and Tuesday. Good CONDX. My most memorable QSO was with OM Brian K9VKY in PA who was running about 1 Watt out on 40M using his 1929 TNT replica and National FBX receiver. Great job Brian!

I also enjoyed a few nice rag-chews with OM Earl K4BSK. All QSO's were fun!

I am attaching a photo of my station. I have modified my DX60 by replacing the burnt out function switch with a set of relays. This has worked well. I also implemented the W8JL Grid Block Keying mod.

Yep! The Rig does have a nice chirp if I run the HG-10 VFO in OPR mode! I am more than happy to assist anyone who would like to try the function switch mod.

Thanks to the organizers of the CX.

73 de Dick N4HAY

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Editor's comments: Dick, I agree with you 110% about using relays to preserve the Function switch. I don't think this can be over emphasized!

As part of restoring my DX-60B I also installed a relay for the HV Secondary contacts. I do not turn my transmitter on or off with the function switch. I leave it in Standby and use an external power strip for power control.



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**N5NEN – Paul  
Austin TX**

Paul writes:

My Swan 350 and Heathkit DX-60 and Drake 2A were surprising me. Just wish I had more time to play radio, Maybe next time. My antenna is a low hung fan dipole.



Editor's Comments: Hi Paul and welcome to the CX. There are A LOT of CX'ers who use a DX-60 and Drake 2 combination! Both radios are superb performers and they don't take up a lot of space – and don't break your back lifting them!



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### W6MZ – Paul Del Mar CA

Paul writes:

Glad to hear all that tin/lead solder, wax and Bakelite on the air again!

The interesting rig award goes to Dave KI5CAW with his 2E26 transmitter and BC-453 Q5er on 40M.

Jim W8KGI was good for three QSOs on 40M, the most multiple contacts of any station I worked this time. He was switching transmitters and receivers from four different manufacturers. Those extra QSOs are much appreciated!

My furthest DX in the contest was with Andy VK3OU in Melbourne, at a distance of 7,946 miles, according to voacap.com.

For some reason I waited until late Tuesday evening to put the TBS-50C and Drake 2A on the air, then found myself calling CQ a total of 162 times in the final two hours on 7045 KHz. Almost everyone had left 40m for the evening, but "it will be easy to get some ragchews," I thought. But it was not so easy, and only Jim W7QQQ replied, at 11:17 pm local time, after I had sent 136 CQs.

PWR SWR	FREQ. KHZ	LOCAL TIME	CALL	RST	QTH	NAME	TX	RX	# CALLS NO QSO	OSL
30	7045	2148-							#	
1.75		2152	CQ						#	
32		2154-	CQ						#	
1.75		2200-	CQ						#	
		2220-	CQ						#	
		2220	no copy						#	
		2222-	CQ						#	
		2232	CQ						#	
		2233-	CQ						#	
		2240-	CQ						#	
	2240-	CQ						#		
	2248-	CQ						#		
	2254	CQ						#		
	2305-	CQ						#		
30	7035	2313								
1.75		2326	WTQQQ	589 579	AZ	JACK	ICT610			73

*Yup! Paul's log does indeed show 136 tally marks!*

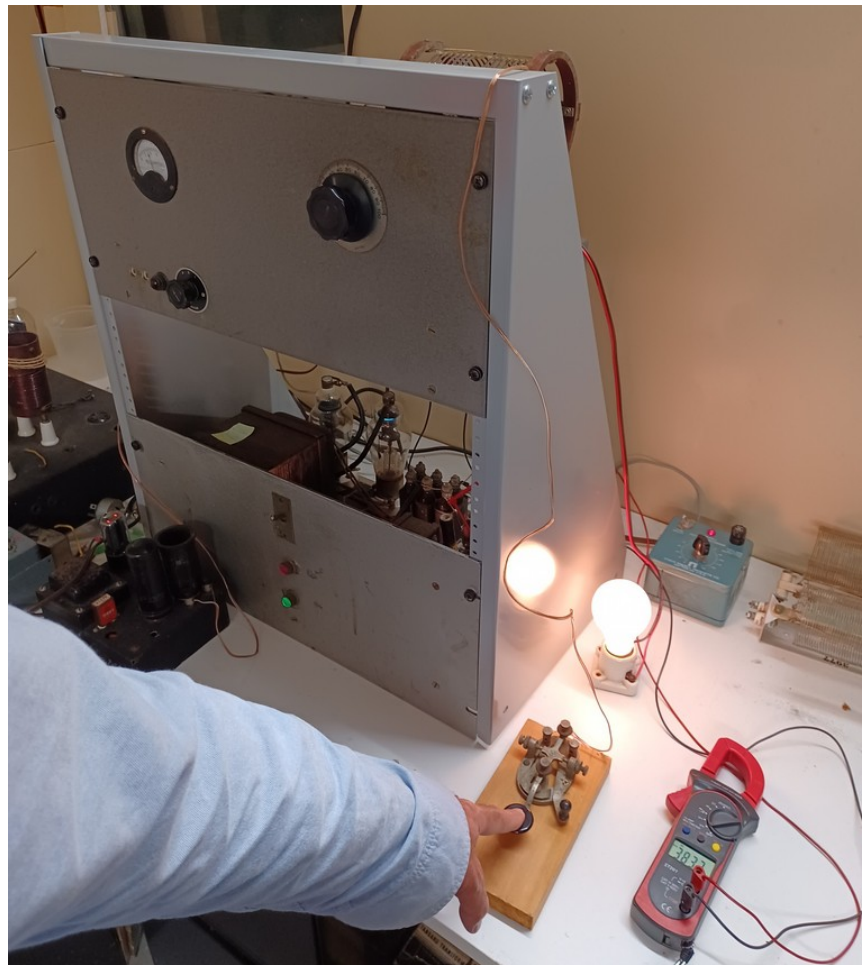
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As it turned out though, 20M was open into the South Pacific (wish I tried 20M sooner). After only 3 CQs on that band, at 11:56 pm local time, VK3OU replied to my call on 14056 KHz.

The TBS-50C was running 23 watts to an Inverted Vee up 45 feet, located in Del Mar in San Diego county. Its feed point is about  $270 + 45 = 315$  ft above sea level and 1/3 mile from the ocean.

Unfortunately it was only the second QSO for the TBS-50C in this event, so it did not qualify.

First light from a 76 year old 813 transmitter:





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Jim Hill, W6IVW, sold this transmitter and its companion 866 power supply to me in October 2017, in a parking lot near the 405 freeway in Los Angeles county for a mere \$35. Jim was first licensed in 1950. He said he was 88 years old and it was time to make room in his garage. He originally acquired the rig in 1953 or 1954 from a co-worker at Douglas Aircraft in El Segundo, CA, but never found time to repair it. Jim said it has been parked on a furniture dolly for 63 years and the wheels had gone flat from all the weight.

To get it working, I added the 19 inch rack, the outboard 3 Watt crystal 6L6 Driver in front on the left, a 10 Volt filament transformer, a better 40M plate tank, and re-tuned the grid tank from 80M to 40M. It was in good shape otherwise. The 4:1 Air Dux balun at the right hand edge of the picture matches the link output to 50 ohm coax and the antenna.



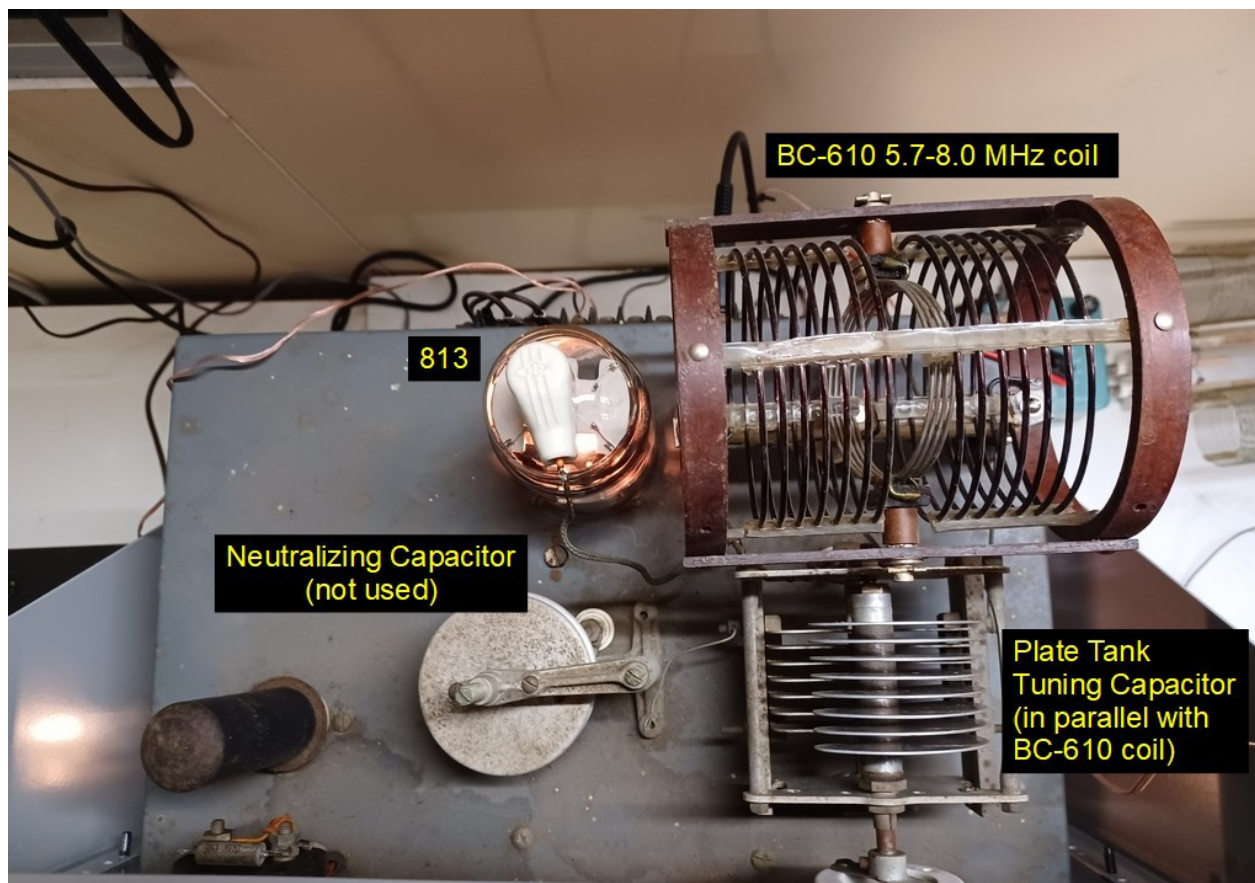
*Closeup of the two 866's in the Power Supply (rack bottom deck)*



*Close up of the outboard 3 Watt crystal 6L6 Driver.*

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A short biography of W6IVW can be found on page 6 in:  
[https://w6trw.com/wp-content/uploads/Crosstalk/1978/1978\\_07\\_W6TRW\\_Crosstalk.pdf](https://w6trw.com/wp-content/uploads/Crosstalk/1978/1978_07_W6TRW_Crosstalk.pdf)



*Rack Upper Deck*

For the most part, the layout and wiring of the rig matched the 6V6/813 construction article published in the RCA Guide for Transmitting Tubes (1942), pages 64-66. It looks like this unit was started before WW 2, set aside, then finished with some post-war components and tested around 1948. The on-board 6V6 oscillator was never built. Just a tube socket and some filament wiring, and a metal 6L6 instead. The 813 grid tank has an input link wired to the rear terminal block for external drive.

<https://archive.org/details/rca-guide-for-transmitting-tubes-1942>

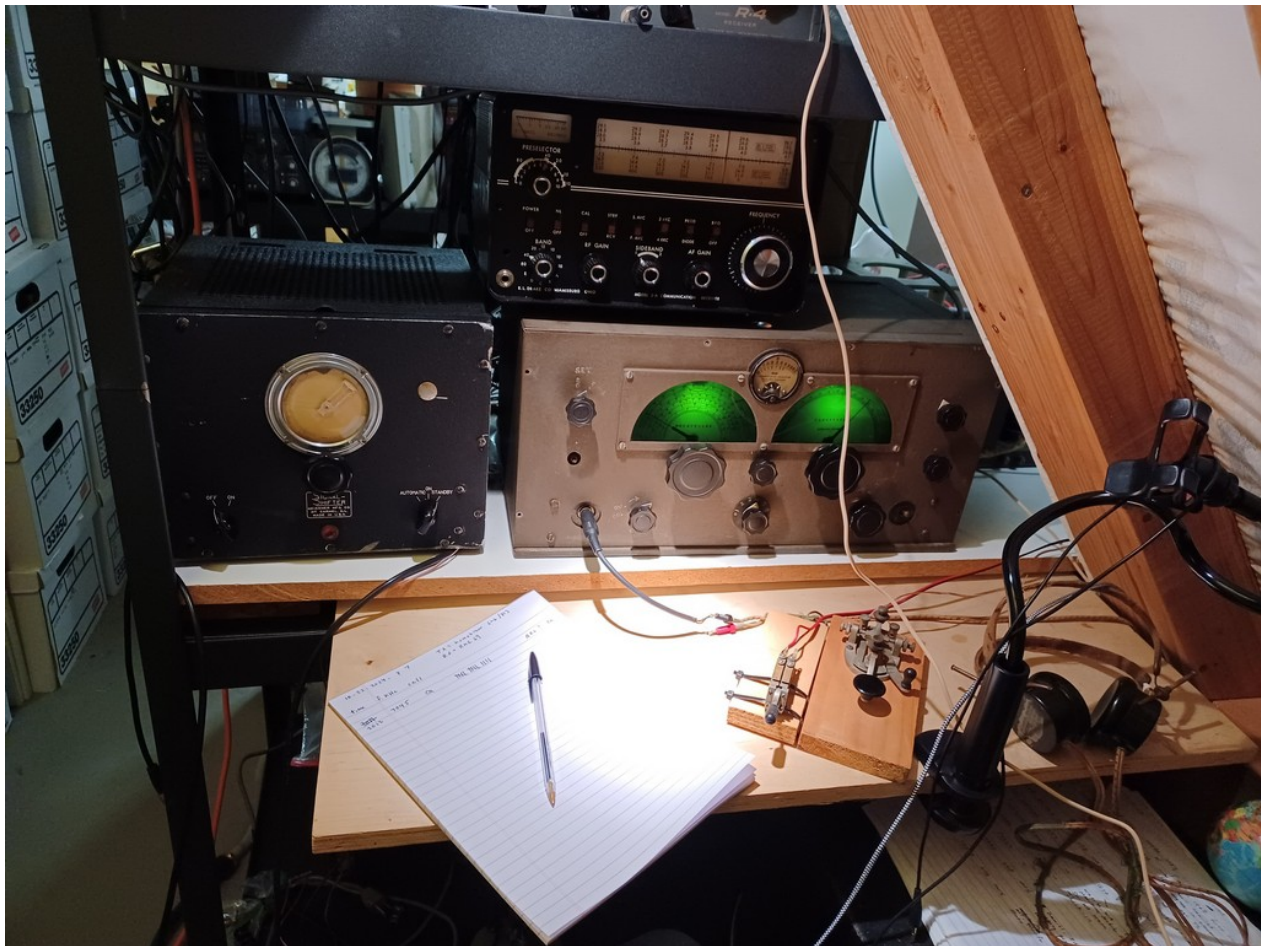
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Thanks to Wilson W4BOH for design review, safety advice, and for help estimating when the hookup wire was manufactured and a few other parts.

The rig arrived with a 40T plate tank coil, but its plastic spacers were decomposing. I replaced it with this BC-610 5.7-8.0 MHz coil. With over 1000 volts on the main winding, its built-in output link is a lot safer, less likely to accidentally short to high voltage, and easier to adjust than anything I could have improvised for the 40T.

If anyone has any idea why that giant neutralizing capacitor was put there, please let me know. It's not connected. There are no Triodes I could find that fit an 813 socket.

Shack Photo:



*Bottom Right: RME 69 RX; Top Right Drake 2A RX.*

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The shack photo shows the RME 69 receiver, "push to transmit" switch to turn on the 6L6 oscillator while transmitting (for 813 grid leak bias), and straight key for the 813 rig, which is located on a bench behind the stairwell to the right.

See you next year!

73, Paul W6MZ

**NR7V – Halden**  
**Point Roberts WA**

Halden writes:

I bought the TS-520 a few years ago as I was re-entering the hobby while gradually entering retirement. When I was a teenager, a kid on the other side of town had a TS-520 and I was in awe. It was his dad's rig. Now that I'm old I finally have one – yippee!

After 3 QSOs with the TS-520, I switched to my HW-101 for the rest of the day. I saw it at the Tsawwassen BC swap meet in September with a low price and I just had to have one so I could find out what so many other hams were using back in the '70s. It was barely working during CX; I figured out and solved the drive problem after CX. Hopefully, it'll be back on the air for Winter 2025 CX.

I made the 2-element wire beam for 40 meters for the Point Roberts DART emcomm exercise last year. It uses bamboo pole spacers at the ends. One end hangs from a rope in a tree. I pointed it up 45 degrees into the sky and was able to reach a participating close-in station that was too far away for VHF. It was still up in the trees when CX rolled around and my other antenna wasn't, so I put it to use for CX.

Mike, W7DRA, 's HW-16 gets my nomination as the most "drifty" signal. I didn't hear much chirp at NR7V this year.

Halden NR7V

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### KR7W – Ricky Ammon ID

Ricky Writes:

I started out on Sunday morning on 40 meters using my most successful radio pair – a Hallicrafters SX-101 Mk 3 RX and a Johnson Viking Ranger TX - until propagation faded away. 8 QSOs with Rocco N6KN's interesting radio pairs was the highlight of Sunday morning.



*Hallicrafters SX-71, Viking Ranger, Hallicrafters SX-101 Mk3*

Then later on 20M, the “Sweet Chirp” award winner- the Elmac AF-68 was moved from the bull pen to the mound. Paired with the SX-101 the mighty Elmac made 3 QSOs before it failed. Afterwards, the Elmac’s understudy, a WRL Globe Chief and VF-1 VFO, performed well until quitting time.

On Monday, the Elmac Power Supply’s worn out 600V TX Relay was transplanted with a donated organ from a spare power supply.

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On Tuesday morning on 40M, the Elmac AF-68 was paired with a blast from my past Novice Days, a Hallicrafters S-38C receiver that was refurbished just for the CX. One QSO Was made and then a lull. Was this TX-RX pair ever going to be qualified? Then W7ESN was heard calling CQ and 3 more QSO were made with the S-38C. Note: It's hard for me to believe that I actually made any QSOs as a Novice ham in the early '60s.



*Elmac M1070 Power Supply (L), Elmac AF-68 TX (R), Hallicrafters S-38C (Top R).*

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After moving to 20M, the Elmac AF-68 was paired with its twin sister, a PMR-8 RX, and then back to the SX-101 RX. The last QSO of the day reported that the Elmac's signal had a bad buzz (instead of sweat chirp). Also, an email came in that reported Elmac's signal sounded terrible and could be received up and down the CW portion of the band. Twas a good time to end the CX fun and push the stations AC Power Shut Down button.

Editor's Comment: I see a new award in the making.....



*Elmac M1070 troublesome Power Supply (L), Elmac AF-68 TX (R), PMR-8 (Top R).*

In the above photo, atop the power supply is a homebrew tuned port 700 Hz CW speaker. The PMR-8 is a pretty good receiver, however this one is a bit noisy with circuit noise and some AC hum. The CW Speaker helps the CW signals pop out above the annoying noise.



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As in recent CXs, this CX seemed to have less Old Radio enthusiasts participating. Poor propagation? Maybe. None the less... my stations equipment failures made this CX interesting and mostly fun. I didn't note any unique or chirpy signals to report. Note: The +600V filter capacitor in Elmac's power supply had blown up. The cap has been replaced and now the AF-68 is ready to go with its award winning sweet chirpy signal.

73. Ricky KR7W

### VA7MM- Mark Coquitlam BC

Mark writes:

Thank you for organizing another CX event.

This year in CX CW I left my old standby DX-60B on the shelf and activated different combinations of vintage gear:

Sunday October 21<sup>st</sup>:

40M: TX: SCR-274N BC-459A, RX: HRO 5TA1 (22 QSOs)

80M: TX: AN/ARC-5 T-19, RX: HRO 5TA1 (8 QSOs)



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Tuesday October 23rd:

40M: TX: AT-1, RX: 51J4 (8 QSOs)

80M: TX: AT-1, RX: 51J4 (6 QSOs)



The addition of peripheral gadgets including a keyer, T/R switch and audio filter made the gear a pleasure to operate.

The Command Sets to my ear have the nicest chirp, kudos to Jim, W7JMP, and Toby, VE7CNF, for operating these fine vintage sets.

I found propagation on 40M and 80M to be fair at best with only a few stations east of the Rockies heard, and only one worked.

Thanks to all those who contacted me, and in particular W7ESN and W8KGI who were able to offer a multitude of fine sounding gear combinations.

Thanks again for the CX event, I'm looking forward to the next one.

73  
Mark, VA7MM

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**VE7BGP – Gerry  
Nanaimo BC**

Gerry writes:

The Classic exchange was a lot of fun. I did not have a lot of time on the CW Weekend. SSB weekend I had a lot of fun operating.

Editor's Comments: I note from Gerry's log file that he ran the following on SSB and CW:

SSB IC-720A, IC-740 and IC-751A.

CW: IC-720A, IC-735, IC-751A, and FT-897D

I point this out as Ron and I often get asked if running solid state transceivers such as Gerry used is OK for the CX. The answer is YES! We are now seeing that the age of the first generation hybrid transceivers has passed (or shortly will pass) the 50 year mark, and some of the earlier all solid state transceivers have well exceeded the 25 years mark. The hybrid transceivers have a VERY loyal following as I'm sure the early full solid state transceivers do. I've had the pleasure of working on several TS-830 and TS-530 radios and there is no reason these classics to not be around for another 50 years!

**VE7UTS – Halden  
North Vancouver BC**

Halden writes:

I used my first HW-101 on the first day of Fall 2024 CX and then took it to the NR7V station and left it there. I used my second HW-101 on the 2nd day of CX here in Canada. After 3 QSOs, it quietly stopped transmitting. I figured out that the HV plate choke in the power supply had opened. I replaced it with the choke from a rusty Eico 751 power supply I had picked out of the free pile at the Tsawwassen BC swap meet in September and got back on the air several hours later. I love it when something like this happens and justifies my hoarding behavior.

Toby's DX-40 wins the chirp competition. He somehow got rid of his +/- 15 kHz key clicks from last year.

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**W8MND – Bill  
Mesick MI**

Bill writes:

Howdy Ron,

This was my first Classic Exchange and I had fun! It sure warmed up the shack with three rigs. The Heathkit DX-40 I used is my original novice rig from 1978. I did not know about this event until I saw it listed in the Contest Coral section of QST; unfortunately it was after the SSB weekend. Oh well; I'm a CW guy anyway and enjoyed my McElroy Straight Key. I've already marked my calendar for next year and hope to do both modes. I enjoyed real QSOs with K9VKY Brian, W1GF Greg, and N4HAY Dick.

Thanks to all that make this event happen, it's great

73

Bill W8MND



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Editor's Comments: Hi Bill and welcome to the CX! It is always nice to hear of people running their original novice radio – thanks for taking care of it so that's it's on the air for others to hear and enjoy!

I do have a question for you Bill. I notice from your photo it looks like a 3-500Z atop the HG-10 VFO – a “special” VFO Mod?

**KB8TL – Bob**  
**Belleville MI**

Bill writes:

I only made a few QSOs during the CW portion. I ran a garden variety Kenwood TS-830S 100 Watts into a doublet antenna.

Most interesting QSO was with Rob K2WI and his TRC77.

Thanks for arranging this event  
Bob  
KB8TL

Editor's Comments: Not to worry about making only a few QSOs.... I missed both events!

**NZ0T – Bill**  
**Shell Knob MO**

Bill writes:

Hi Mark,

I keep most of my vintage rigs in a separate shack from my main one. I fired up the HW-101 Monday night and made a couple of CW QSOs with it and it worked great. I brought it into the main shack and it would not turn on. I tried a couple of other power supplies and nope still wouldn't work. So I brought in my HW-16/HG-10B rig and used it Tuesday morning for 6 contacts.

Then I decided to take a closer look and discovered a broken wire in the power cable between the HW-101 and power supply which is one of the two wires that go to the

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power switch. Some soldering took care of it and I used the HW-101 for the rest of CX.

Here is a photo of the HW-101.



Note that I used an old MFJ CWF-2 external CW filter as the CW filter in the HW-101 has drifted off frequency over the years and is no longer useful. The CWF-2 itself is quite old but still works well. I'm going to keep the HW-101 in the main shack for the winter I think. I had a Ten Tec Triton IV there before. The HW-101 sits to the right of my Elecraft K4 and there is a Kenwood TS-530S on the other side of the K4. I use all three along with a K3 and K3 on the lower shelf. Makes for an interesting contrast of age and technology! I used my KN4YB bug for all contacts.

73, Bill NZ0T

Editor's Comments: The CWF-2 may be old but it's still a great audio filter. I use an old Autek QF-1 filer from time to time.

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