

PVRC Newsletter July

Newsletter Editor: John K3TN jpescatore@aol.com

Website: http://www.pvrc.org

Meeting Info: http://www.pvrc.org/chapters.htm

Facebook: https://www.facebook.com/groups/PotomacValleyRadioClub/

President's Letter – Doug AA3S

While the ARRL Field Day is not a contest (e.g. no awards), you might not know that from how groups prepare for and perform during the event! Hope to hear from the many PVRC members who did participate in Field Day 2023 by having their photos and "soapbox" descriptions for the next Newsletter. Start typing!

Many PVRC members will be competing at the World Radiosport Team Championship (WRTC) in Italy beginning July 8 at 8:00AM Eastern for 24 hours. This event is held only at four-year intervals (Covid delayed the 2022 event to this year) to determine the world champion radio contest team (two ops per team). See the WRTC website.

PVRC has <u>sponsored</u> WRTC teams in this event, and we can help our PVRC participants by making QSOs in the WRTC event, see the very short list of exchange and scoring rules <u>here</u>.

Some notable rules are:

- The WRTC stations may work each callsign once on CW and once on SSB per band
- SSB contacts with us in the USA are worth 6 points to them in Italy, CW contacts are 5 points.
- All WRTC stations will be saying 59 28 or sending 5NN 28 (no cut numbers allowed other than in 5NN), you will send 59 8 or 5NN 8. 8 is probably your ITU zone, Colorado is 7, but look here to be sure
- Only English is used in the contact exchange and only the 3.5, 7, 14, 21, and 28 MHz bands.

Concurrent with the WRTC event is the IARU HF World Championship contest in which you can get recognition & awards (the WRTC event awards only the WRTC stations in Italy). The exchange and other rules are similar, see https://contests.arrl.org/ContestRules/IARU-HF-Rules.pdf

Go PVRC!

Club Competition – Doug AA3S

5M: The new 2023-2024 Season begins this month with two contests – <u>CQWW VHF</u> and NAQP RTTY (DOUBLE 5M POINTS) Saturday July 15.

Look <u>here</u> for a reminder for how to get 5M credit in the NAQP (different than any other 5M contest!!): you must report your score during the contest to the <u>Online Scoreboard</u>, and for a reminder as to how this came about, see the <u>January Newsletter</u> page 13

Updating the table of 5M contest results from the March Newsletter, of the four contests that were TBD in March, PVRC placed 3rd in the CQWW SSB+CW (which is what PVRC has done for at least four years) and PVRC won the other 3.

State QSO Parties: Big success!

2023 Virginia QSOp "Virginia Club Combined" plaque: PVRC beat the Virginia club that had won this category since at least 2008 (the oldest data I found)!

I examined the sponsor's metadata pdf and found that KK4ODQ was the highest scoring PVRC member who contributed points to the win and did not get a plaque for some other achievement in that QSOp. So at 125,160 points, Nick Clevenger KK4ODQ will receive the plaque for "Virginia Club Combined Score" won by PVRC-VA. See the online pdf results here, especially page 80.

The winning margin was 3,064 points so every log submitted was extremely important to the PVRC win. Also note that 3,064 is 0.14% of the winning score! PVRC members award plaques and their scores in the Virginia QSOp:

- N4CW/M (N4CW & W4TMO) 400,824 points "High Virginia Mobile Multiple Operator Single Transmitter"
- W4GO 383,424 points, two plaques: 1) "High Single Operator Virginia QSOs Only" and 2) "High Virginia Mobile Single Operator Single Transmitter"
- K4IA 348,600 points "Virginia Single Operator One Receiver"

Those top two scores by themselves would have beat the third-place club! Congrats to PVRC members in Virginia who sent their logs to the sponsors for credit to PVRC-VA!

PVRC Officers	:		<u>Trustees:</u>			
President: Vice President: Vice President:	AA3S K3WA K8LF	Doug Hart Bill Axelrod Jerome Svinicki	K3MM, N3OC, K2AV, N1RM, W3LPL, N3KN, W2RU, W3LL, N4RA			
Secretary: Treasurer:	N3QE	Tim Shoppa Ted Bauer	PVRC Charter Members (all SK):			
ireasurer.	WASAER	ieu bauei	W3GRF, W4AAV, W4KFC, N0FFZ, W4LUE, W7YS, VP2VI/W0DX, W3IKN, W4KFT. W4RQR, W4MKM, W4BFO, W4CC, W4IA			
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PVRC on Facebook: https://www.facebook.com/groups/PotomacValleyRadioClub/						

Donating to the PVRC Scholarship Fund – Ted WA3AER

Some PVRC members may be unaware that we have a Scholarship Fund. It is managed by the ARRL Foundation. In 2023 we have awarded 2 scholarships. The announcement letter from ARRL and the Thank You letters from this year's recipients are below.

Your contributions to the PVRC Scholarship Fund are tax-deductible because the ARRL Foundation is a 501(c)3 entity. Both Frank W3LPL and I encourage you to donate to our scholarship fund to assist student Amateur Radio operators pursue their higher education goals.

There are several ways to make your contribution to the PVRC Scholarship Fund:

- 1. Complete the ARRL online form by downloading it and mailing it with your check to ARRL downloadable form here.
- 2. Call the ARRL Fund Director, Kevin Beal <u>K8EAL</u> at 860-594-0317 and give him your credit card number; or
- 3. Send your donation to the PVRC Treasurer via PayPal to treasurer@pvrc.org, noting your donation is for the PVRC Scholarship Fund.

At Hamvention I discussed the idea of being able to submit the scholarship form online and submitting it and payment electronically. Kevin agreed that having the ability to submit the form and donation online would make it easier. After Hamvention I received a note from him indicating that he plans to push that idea forward. So, hopefully one day in the not-too-distant future that option may become a reality. I will continue to push this idea with the ARRL Development staff whenever the opportunity arises.

Thank you, in advance, for your support of the PVRC Scholarship Fund.

ARRL FOUNDATION	
Administering Programs to Support the Amateur Radio Community	June 7, 2023
	Mr. Dan Zeitlin
June 1, 2023	1036 Skyview Drive
Potomac Valley Radio Club c/o Dan Zeitlin, K2YWE, President	Annapolis, MD 21409
1036 Skyview Drive Annapolis, MD 21409	Dear Mr. Zeitlin:
Dear Friends,	I am sincerely honored to have been selected as the recipient of the Potomac Valley Amateur Radio Club Scholarship, I will be attending my senior year at Temple University
On behalf of the ARRL Foundation Officers and Board, I am pleased to announce the 2023 recipients of Potomac Valley Amateur Radio Club (PVRC) Scholarship.	continuing my studies in Engineering Technology. I am finding my interest in ham radio continues to open new doors for me. As an example, I was chosen in my current internship to become a licensed drone pilot in the construction industry. I was able to make any low length of the construction industry. I was able to make the construction of the construction industry. I was able to make the construction of the construction of the construction industry. I was able to make the construction of the constructi
lan MacDonnell, NOIAN, Purcellville, Virginia and James Gavrushenko, KB3ZGX, Langhorne, Pennsylvania	APRS, VHF/UHF propagation, and the use of grid squares directly for surveying commercial properties using drone technology.
has been selected for The Potomac Valley Amateur Radio Club (PVRC) Scholarship from an outstanding group of applicants. Scholarship recipients were recently notified of their awards, and we have already had many replies conveying their excitement and appreciation.	Thank you again for your thoughtful and generous grant.
Scholarships through the ARRL Foundation would not be available without the support of thoughtful and	73,
generous sponsors such as you. Thank you for making The Potomac Valley Amateur Radio Club (PVRC) scholarship possible, and for aiding student Amateur Radio operators in their pursuit of their higher adversion. Learness files of the properties o	James Gavenshinko
education. I am confident that these young people will be successful in their future careers, and in representing Amateur Radio as well.	James Gavrushenko
Again, many thanks for your support with this award. If you have any questions, please contact ARRL foundation Secretary Diane Middleton, WZDLM at ARRL (<u>dmiddleton@arrl.org</u>).	
73,	
David Norris, K5UZ	

Potomac Valley Radio Clob, My name is I'an MacDonnell, and I am an electrical engineering student at West Virginia University, I am grateful to have received the ARRL PVRC scholarship for the 2023-2024 school year. This scholarship will allow me to spend more time focusing on my electrical engineering studies as well as amateur radio. I am the upcoming president of the WVU Amateur Radio club, W8CUL, where I enjoy getting other students into the hobby and teaching them about radio topics. I frequent VHF/UHF where you can catch, me when I am back home in northern Virginia. You also may be able to catch me on HF when I operate using our equipment at the W8CUL Shack, Thank you once again for the generous Support of this scholarship.

173 Ian MacDonness

FB Contester's Blend Coffee from WB6IVF



Blind Roasted Coffee CONTESTERS BLEND

WRTC Countdown is On! - Dave K3ZJ

WRTC2022 -- delayed a year by Covid, dealing with a live war to the East, and wracked by floods last month -- nevertheless is coming to your radio at 1200Z July 8 to 1200Z July 9, overlaying the IARU Championship. A sub-contest for WRTC "hunters" with awards for non-WRTC operators was just announced. See the rules at the link below.

PVRCers who are WRTC participants: NN3W & N3QE; KD4D & KE3X; KU1CW; W2SC (K5ZD teammate) and W4IPC (youth team).

In a first, all stations will be spotted automatically by the organizers, SSB as well as CW, so it should be relatively easy to find all the special stations on both SSB and CW. Logs will be available on the website in almost real time. This is very ambitious, but if anyone can pull this off it is these guys.

Etiquette: no competitor is allowed to say anything that may identify themselves. I strongly suggest that you **Do not** greet by name or show recognition even if you recognize a voice on SSB. Doing so robs the competitor of seconds when seconds count, and the competitors are prohibited from acknowledging you in any fashion. Just a quick "5908" is the best response when your call is recognized, nothing else. Note that there is a referee present and listening at all times, as well as recordings for checking. The operators will have unique callsigns and are supposed to remain anonymous until identified on the website shortly after the contest.

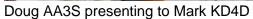
Finally, WRTC requests that you **please submit your log immediately** to ARRL for the IARU Championship. A link for this purpose is on the WRTC webpage. WRTC log checking commences immediately after the contest and the results are announced the next evening (afternoon on East Coast USA), so your log is needed ASAP for cross-checking. The judging committee will have access to logs submitted through the normal ARRL process. Your log will be used for checking the competitors' logs. Your own log checks will be done by ARRL for the IARU Championship using their normal process.

View the WRTC2022 <u>website</u> for award rules and categories, announcements about live streams, and all other information as it becomes available.



W3LPL Open House







Treasurer Ted WA3AER (via N3JT)

ARRL West Gulf Division Director John N5AUS presenting the ARRL QST Cover Plaque Award to Frank W3LPL



Ground Reference Chart – John N3AM

From Andrea K2EZ, the Rover Lady:



WPX Contest Scores: 3830 Results/Official Scores Shrinkage – John K3TN

YCCC won the 2022 WPX Club competition and their Scuttlebutt newsletter showed some surprising data:

2022 CQ	WPX Club	Competition - 3830				
	SSB		CW		Totals	
Entries SSB Score		SSB Score	Entries	CW Score	Entries	Score
YCCC	48	140,967,827	58	112,544,693	106	253,512,520
PVRC	73	108,110,325	86	101,229,780	159	209,340,105
FRC	44	62,179,134	58	82,187,066	102	144,366,200



These scores held up through the final adjudicated results:

2022 CQ	WPX Club	Competition - Off				
	SSB		CW		Totals	
Entries SSB Score		Entries	CW Score	Entries	Score	
YCCC	70	147,313,813	79	117,827,846	149	265,141,659
PVRC	92	104,439,161	95	89,216,761	187	193,655,922
FRC	51	74,461,902	73	70,881,935	124	145,343,837



YCCC Scuttlebutt June, 2023 Page 6

YCCC was the clear winner in scores, it wasn't really close. But I noticed something odd about PVRC's scores: we were the only club whose adjudicated total points after log checking **went down** from the club's reported 3830 scores – even though the number of PVRC logs officially submitted was greater than the number of 3830 scores reported!

There are really only two ways this can happen:

- 1. A small number of ops with large scores reported on 3830 never sent in logs.
- 2. Log checking found a high level of inaccuracy in a lot of PVRC logs.
- (1) Seems unlikely a quick look didn't seem to show any obvious big scores missing in the CQ WPX official results.

That leaves accuracy. PVRC's total **dropped** by 16M points from 3830 reports to log checked scores, even though the number of logs went up! Most of that (12M) came from CW scores.

CQ WW WPX data shows the overall average score reduction across all 2022 WPX CW logs was 19.7% for single ops, 16% for Multi Singles, 15% for Multi-Twos and 11% for Multi-Multis. Take a look at the Log Checking Report CW WPX sends out to each entrant and see if you have room to improve

WPX is one of the tougher contests from an accuracy point of view – the serial number in the exchange and oddball calls put a premium on accurate copying skills vs. using history files. The April issue of the PVRC newsletter had ideas and links to info for improving accuracy.

Quoting two prominent SK PVRCers: "As my dear departed and deeply missed mentor W3GRF always said: 'It's a listening contest as well as a sending contest.' – Fred K3ZO"

NR4M Dream Team Breaks WPX CW Record - Rick N1RM

I've been to NR4M's magnificent station a few times. I think I've done at least as much eating as operating there! Steve has been a great friend and very generous inviting me to operate. In the previous efforts I was very time constrained. Even this year I only worked the 20M in-band position for 12 hours on Friday night due to other commitments. My partner was Kenny K2KW operating the 20M run position to my left. It was the first time either of us operated in run/mult mode for a serious M/M effort.

KD4D was sitting to my right on the 15M run station and offered lots of good advice prior to the contest. My job was clearly to increase the "point rate" on 20M. In WPX, that is about the same as the Q rate, especially early on. Since the in-band position electrically pre-empts the run position, I started out very cautiously. Even with that caution I stepped on a couple of important exchange elements. After about an hour, I learned all the cues to observe to understand where he was in the QSO without actually hearing his audio. We got into a really satisfying rhythm as I got the hang of it. My Q rate went up and the collision rate went down. I set the Available Mults and Qs window to Mults Only and sorted by beam heading or spot time, depending on what was going on.

Observations on in-band operation:

- 1. Develop a good rapport with your run partner. Things can get tense otherwise (Kenny was very kind to me!).
- 2. Watch the amp output meter and especially the "Message" field for the run station in the N1MM Network Status window.
- 3. Overcome the hesitation to transmit while you see the run operator typing that's **exactly** when you should be sending!
- 4. Doing a long shift as an in-band operator is very workable because of the ability to take short breaks without worrying about losing a run frequency.
- 5. The dynamics and strategy would be different in a contest where multipliers are rarer. They probably also changed late in this contest when I wasn't there.
- 6. Operating in-band is a fantastic way for less experienced operators to participate, contribute, and observe really good operators.
- 7. Having the option to listen to the run station audio would be nice. I understand Krasi has provided that ability (along with about everything else!) at the new K1LZ superstation. (*Editor's note: when I started running as KK3TN in WPX CW, K1LZ was the first to find and work me every time K3TN*)

Observations on NR4M:

- 1. The station is staggering in scope. At the in-band position for 20M I had the option of a 3-stack (with selectable stack match) of monobanders on a rotating tower or a transmitting steerable 4-square, all with a simple click of the mouse. These were all "my antennas" not shared with anyone else!!! The Yagi stack was great for weak signals and DX. The 4-square, since it was farther from the run antennas and vertically polarized, let me operate very close to the run frequency with very little interference.
- 2. Steve and his crew put an astounding amount of time and effort into maintaining the station. Even so, things go wrong, but seem to get fixed pretty quickly.
- 3. The atmosphere there is to leave the operating style and rigor to the operators. It is very laid back. Steve keeps everyone well-fed and never yells or corrects anyone.

It was a fantastic opportunity for me. I hope the score holds up!

From 3830scores:

Call: NR4M

Summary: Compare

<u>Scores</u>

Band QSOs 160: 109 80: 637 40: 1543 20: 2509 15: 2281 10: 550

Total: 7629 Prefixes 1549 Total Score 31,413,720

Club: Potomac Valley Radio Club

Operator(s): %ZKW%ZPI°KZWK°K4MI°K4QS°K4ZWK7SV°KA4RRU°KD4D°KE3X°KG3V°N1RM°N2YO°N3AC°N3QE°N4IQ°NN3W°NR4M°WØIMD°WA4PGM°WN4AFP«

Station: NR4M··¶

Comments:

I was busy keeping people fed and fixing things, so I operated very little. Because of that, I can't really comment on propagation specifics. But, I know that it sure would have been nice to have 10 meters be as open as 15 and 20. For a change, we had plenty of operators and NO COVID. Last year, several of the ops picked up COVID at the Hamvention. This would be a new US record for score and mults, if the score holds up to log checking. Would have been nice to have a bit more cushion. A big public 'thank you' to K7SV, N3AC, K4QS, KA4RRU KC4D and N3CW for all the days of antenna help. 10% of the score goes to Swamp Fox Contest Group for the participation of WN4AFP and N4IQ Thanks for all the Q's. 73 de Steve, NR4M

M/M HP

Call	QSOs	Prefix	es	Score	Club
CN3A	10726	1746	48	67,809,402	ICC
NR4M	7629	1549	48	31,413,720	PVRC
NH7T(@KH6YY)	5496	1261	48	23,855,598	
DAØBCC(@DP9A)	6042	1466	48	20,818,666	BCC
NR6O(@N6RO)	4548	1238	48	13,501,628	NCCC
VC7G(@VE7UF)	3953	1149	48	13,076,769	Orca DXCC
KQ7I(@K7RAT)	2713	1037	46	7,244,482	WVDXC
JF1NHD	1926	794		3,980,322	No Sleep Contest Club
K3MTR(@N3DPB)	1357	794	32	2,886,190	PVRC



NR4M needs a bigger shelf! (AA2FD)



Funny looking goats! (K2KW)

2023 PVRC Pipe Awards - Tom K3AJ

The number of participants has dropped off a bit, although the propagation was good enough to yield a decent QSO count. Here are the long-term results:

Year	Logs	Total Qs
2017	17	1,142
2018	21	1,000
2019	24	763
2020	26	2,049
2021	32	1,909
2022	26	2,830
2023	18	1,146

Now for the award winners. Note that we still make the traditional awards by type of lousy antenna, as well as the W4MYA award for top HF antenna score and the W3IDT awards for the top three counts of CW/SSB QSO only among the LP entries.

Last year there were no vertical antenna class entries, and I was glad to see at least two PVRC members with bad enough judgment to try that again. Since we make awards to both the winner and runner up, this is a classic case of winning a plaque by being the last person standing.

Scores are shown (QSO/Grid/Score). If someone also operated on the higher bands as well, only their 6M results are shown.

Moxon/Hexbeam Class*

N3KN (121/66/7,986) - First Place K3RLW (123/56/6,888) - Runner Up

Dipole/Loop Class

K3YDX (117/71/8,307) - First Place NS3T (128/48/6,144) - Runner Up

HF Antenna Class

N3AIU (102/60/6,120) - First Place – W4MYA Award for top HF antenna score K2YWE (78/38/2,964) - Runner Up

Vertical Class

WA3MD (60/26/1,674) - First Place N8HM (7/5/35) - Runner Up

W3IDT Awards - Top Three # of CW/SSB QSO

K2ACX - 72 QSO K4ORD - 66 QSO WR3R - 22 QSO

K2YWE and K3YDX both had higher CW/SSB totals than K2ACX, and N3AIU and NS3T both had higher CW/SSB totals than WR3R, but since they won category plaques, we move down to the next highest CW/SSB totals

Soapbox

N3KN has won the Moxon/Hexbeam Class for the fourth year in a row. Kay is always at or near the top. She went all digital.

Bob K3RLW took the runner up spot in Moxon/Hexbeam for the second straight year. He used a Moxon at 26 ft. in an all-digital entry from his place on the lower Eastern Shore of MD.

K3YDX is a perennial PVRC Pipe Award competitor who has garnered a few good finishes before, but this year he not only dominated the Dipole/Loop class with his 6M loop at some ridiculously low elevation, but he submitted the highest overall score. Likely the first time a Dipole/Loop entry has done so.



N3AIU won the W4MYA for top score "running 'em" with an HF antenna. As always, there was fierce competition in this category. Usually, triband yagis seem to win, but his 80M loop at 40m ft. did the job. He was operating from AZ, so he had some different propagation than most (no, there is no circle for PVRC Pipe competition). He did manage to work stations in FM16 and FM17 in PVRC-Land.

K2YWE took runner-up in HF Antenna using a C3 tribander at 50 ft. He went analog only and put up a big number of CW/SSB QSO. Dan had played around with a dipole and quickly realized that the C3 was a better weapon on 6M.

We should probably name the Vertical Class prizes the Futility Awards, since no one in their right mind would try to operate in a VHF contest (except maybe on FM) using a vertical. Nevertheless, this year we had two stalwarts who gave it a go.

WA3MD won the Vertical category using a 6M vertical on a 20 ft. pole leaning up against a tree. This was his first time ever on 6M in his 26 years as a ham. His line score of 60/26/1,674 is likely the highest ever for a vertical class entry. He had a score higher than 7 folks using more suitable PVRC Pipe antennas.

N8HM eked out a plaque for Runner Up in the Vertical category by showing up with a vertical strapped to an apartment balcony at an undisclosed location in DC. I imagine the building blocked at least half of the world from him.

In the W3IDT CW/SSB competition, K2ACX garnered the first of three awards with 72 CW/SSB QSO using an 80M inverted L. This was also a fourth place finish in the competitive HF Antenna category with a line score of 72/33/2,376 in an all-analog entry. Well done!

K4ORD took the second of the W3IDT CW/SSB awards with 66 QSO and a line score of 66/47/3,102 - another analog only entry in Moxon/Hexbeam.

In what will surely come as a shock to Gary, WR3R gets the third W3IDT award for his 22 CW/SSB QSO using a 6M dipole at 35 ft.

K2YWE with 78 CW/SSB QSOs and K3YDX with 71 CW/SSB QSOs actually had more CW/SSB QSOs than either of the top two W3IDT winners. Similarly, N3AIU and NS3T had more CW/SSB QSO than the third-place award winner. The PVRC Pipe contest committee uses the "CQ method" of awarding only one plaque per contest to a given station and since K2YWE, K3YDX, N3AIU and NS3T won category awards, we move down to the next highest CW/SSB totals in determining who gets the plaques for the W3IDT Awards.

Interesting tidbits from the rest of the competitors:

Howard AE3T used a 6M loop in his attic to put up a good score. - Masa AJ3M has been a consistent PVRC Pipe guy over the years and this year he was on the field of play once again with his 6M loop antenna at12 ft. - K3ORC put up the third highest score in HF Antenna using an OCF dipole mostly in his attic. People must wonder what those wires going nowhere coming out of his attic are for. He went all digital, but still felt some nostalgia for operating 6M in the 1960's with a Heathkit Sixer. - N4NTO deserves props not only for his work with a 160/20 fan dipole at 30 ft. but for making QSOs on 2M and 432 with his Baofeng. - W3MAM went analog with his C3 tribander at 50 ft. - WX3B faced the difficult decision about which of his HF monobanders to use for 6M. He went with his 4-el 20M beam. I am guessing he didn't model them all in order to decide. He operated analog modes for an hour. - KD4IZ was the only entrant who decided that using a lousy antenna wasn't handicap enough. So he ran QRP into an HF OCF dipole. No, we are NOT going to have a QRP category. We just can't do that to people.

Here are the full line scores:

Call Power Class Antenna Class Score Total QSO Grids SSB/CW QSO

K3YDX LP Dipole/Loop 8,307 117 71 71

NS3T LP Dipole/Loop 6,144 128 48 48

AE3T LP Dipole/Loop 3276 91 36 0

WR3R LP Dipole/Loop 386 22 13 22

AJ3M LP Dipole/Loop 144 16 9 ?

N3AIU LP HF Antenna 6,120 102 60 50

K2YWE LP HF Antenna 2,964 78 38 78

K30RC LP HF Antenna 2,664 74 36 0

K2ACX LP HF Antenna 2,376 72 33 72

N4NTO LP HF Antenna 792 25 19 ?

W3MAM LP HF Antenna 320 20 16 20

WX3B LP HF Antenna 187 17 11 17

KD4IZ QRP HF Antenna 28 7 4 4

N3KN LP Moxon/Hexbeam 7,986 121 66 0

K3LRW LP Moxon/Hexbeam 6,888 123 56 0

K40RD LP Moxon/Hexbeam 3,102 66 47 66

WA3MD LP Vertical 1,674 60 26 8 N8HM LP Vertical 35 7 5 0

W4KFC Memorabilia from K3ZO's Collection – Dave K3ZJ





Fred K3ZO obtained his first FCC license in mid-1952. In mid-1953 he QSOed with PVRCer W4KFC. Fred kept this QSL card and Vic's obituary in his files.

The design may look familiar. In the 1970's/80's some PVRCers duplicated the design of the early PVRC cards.



Also via K3ZJ: Spotted at Friedrichshafen, on the way to WRTC in Bologna. Photo by Champ, E21EIC. Fred donated to sponsor the ASIA6 site that will be assigned to the competitors from Thailand.

OBITUARIES



VICTOR C CLARK

Ham Radio Buff Victor C. Clark Dies at Age 66

Victor C. Clark, 66, president of the American Radio Relay League who was director of the Coast Guard Electronics Leboratory from 1968 to

Electronics Laboratory from 1963 to 1974, died Nov. 25 at Common-wealth Doctors Hospital after a heart attack. He lived in Clifton. He had worked for the Federal Aviation Administration, and its pre-decessor agencies, for more than 20-years before joining the Coast Guard. His last FAA post was chief of its navigational aids office in Washington.

Washington. Mr. Clark, whose call sign was W4KFC, had received his amateur W4KPC, had received his amateur radio operator's license in 1933. Over the years, he held a variety of poets involving this hobby. He had been a regional president of the International Amateur Radio Union. Before becoming president of the ARRI, his offices in that organization included the vice presidency and the directorship of the Roanoke division. He was a charter member of the American Radio Relay League and life member of the Quarter Century Wireless Association. He was a senior member of the Institute of Electrical and Electronics Engineers, and

trical and Electronics Engineers, and had belonged to the Citton Lions Club. He had participated in the 1979 World Amateur Radio Conference at Geneva.

Mr. Clark was born in Falmouth,

Mass, and was reared in Phoenix.
He earned a bachelor's degree in
business administration at George
Washington University.
Survivors include his wife, Hester, of
Clifton; three aons, Andrew, of
Japan, Kenneth, of Centreville, Va.,

Japan, Nennest, of Centreville, Va., and Roger, of Appomatics; three daughters, Jennifer Warner of Res-ton, and Beth Schung and Miriam Hudgins, both of Manassas, and seven grandchildren.

PVRC 6M DXCC Standings – Frank W3LPL

Below are the 6M DXCC totals for PVRC members, transcribed from the ARRL DXCC data as of the 20th of each month or so. Thanks to Frank for the data each month to make this a regular feature. Please report any omissions or errors to <u>Frank</u>.

Call	DXCC	Call	DXCC	Call	DXCC
K1HTV	172	KG7H	133	K5ESW	111
W3BTX	172	K3SX	131	K3AJ	110
W4DR	172	K4SN	131	W0VTT	110
AE3T	163	W3IP	126	N3MK	109
W3LPL	161	N4PY	123	W4PK	109
W3UR	160	NW5E	123	КЗКО	108
N4BAA	159	N4TL	122	N3NT	108
N4MM	152	AK3E	120	N3OC	107
AB3CV	143	W3XY	120	N4VA	106
K4SO	142	КЗХА	119	W2YE	106
K4CIA	141	K3WC	117	K3ZO	103
W3LL	141	K5VIP	117	N3DB	103
N2QT	140	ZP6CW	116	W3OR	103
W3KX	139	N4JQQ	114	W4FQT	102
WX4G	137	W3DF	113	W3XO	100
K5EK	137	N4DB	112	W4TJ	100
K2PLF	133	W3EKT	111		



Membership News - Tim N3QE

Chapter leaders please remember to complete the <u>Meeting Attendance Report</u>. Members can check and update their roster details via the <u>Roster Lookup</u>.

Upcoming Contests – from WA7BNM

July 2023	
RAC Canada Day Contest	0000Z-2359Z, Jul 1
■ DL-DX RTTY Contest	1100Z, Jul 1 to 1059Z, Jul 2
Harconi Memorial HF Contest	1400Z, Jul 1 to 1400Z, Jul 2
IARU HF World Championship	1200Z, Jul 8 to 1200Z, Jul 9
CQ Worldwide VHF Contest	1800Z, Jul 15 to 2100Z, Jul 16
■ North American QSO Party, RTTY	1800Z, Jul 15 to 0559Z, Jul 16
■ YOTA Contest	1000Z-2159Z, Jul 22
■ RSGB IOTA Contest	1200Z, Jul 29 to 1200Z, Jul 30

RED – scores count towards PVRC 5M Awards or Challenge Program

Editor's Last Word – John K3TN

Thanks to N1RM, AA2FD, N2YO, NR4M, K3ZJ, K3AJ, WA3AER, N3JT and N3AM for contributions to this issue of the PVRC newsletter.

The newsletter takes August off to focus on boating and bicycling before summer slips away – see you in September!

The quality and usefulness of the PVRC newsletter depends on contributions from members. If you have photos from club meetings, screenshots of new contest software, or writeups on station improvements or contest war stories, send them in any format to jpescatore at aol dot com.



From the PVRC Treasurer - Ted WA3AER

PVRC has chosen not to implement an annual dues requirement. We depend on the generosity of all our club members to finance our annual budget. In addition, active PVRC members are expected to participate and submit logs for at least two PVRC Club Competition contests per year.

When contemplating your donation to PVRC, each member should consider the benefit you are receiving from PVRC and its many opportunities for your personal growth in our wonderful hobby, then donate accordingly.

Direct donations to PVRC via Credit Card or PayPal may be made by clicking this "Donate" button and clicking the next Donate button that appears on your screen:



Donations to PVRC are not tax deductible

Eyeball QSO Directions

The latest info on local club meetings and get togethers will always be sent out on the PVRC reflector and posted on the PVRC web site.





Now a Word From Our Sponsors

PVRC doesn't ask for dues, but the Club does have expenses. You can also support the Club by buying from the firms listed who advertise in the newsletter!





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spools. Enter "DXE Assemblies" at DXEngineering.com. From \$26.24





Wire Antennas

If you're looking for the precise wire antenna to meet your operating needs, you'll find it at DX Engineering! Our lineup includes DX Engineering's own rugged and lightweight Multi-Band Dipole Antenna Kits that come



with wire elements, ladder feedline, center-T support, and end insulators; 47 models of Kelemen Trap Dipole Antennas; Par End-Fedz® End-Fed Half-Wave Antennas; and Chameleon wire antennas, including MPAS Backpack Antenna Systems. Enter "Wire Antenna" at DXEngineering.com for more details, manufacturers, and models.



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DX Engineering carries a great selection of hands-free headsets and state-of-the-art headphones from bhi, Heil, INRAD and other top brands. Don't accept anything less than clear, intelligible speech fidelity whether you're doing the speaking or listening. Enter "Audio" at DXEngineering.com.



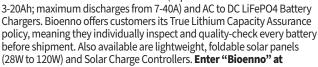




Batteries, Chargers, and Solar Products

DX Engineering now carries state-of-the-art LiFePO4 (Lithium

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DXEngineering.com. Batteries from \$49.99; Solar panels from \$104.99

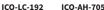
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IC-705 HF/50/144/430 **Portable Transceiver**

With the features and functionality of the IC-7300, IC-7610, and IC-9700, this popular Icom QRP rig is like owning a base transceiver you can hold in one hand. It boasts SDR Direct Sampling technology for stellar transmit and receive performance; 4.3" color touchscreen; real-time spectrum scope and waterfall display; built-in Bluetooth®; wireless LAN; and full D-STAR capabilities. IC-705 accessories include backpack (ICO-LC-192) and compact automatic tuner (ICO-AH-705). Enter "IC-705" at DXEngineering.com.

Premier Telescoping Carbon Fiber Masts

When you demand superior long-lasting performance,



these high-strength masts make an excellent choice for portable and temporary antenna supports. Lighter than aluminum and fiberglass and stiffer than steel of the same thickness, these masts feature short section lengths designed for low-cost shipping and easy transport. UV- and corrosion-resistant, they include adjustable lever-action clamps that secure the next smaller tube in place and allow for fast and simple raising and lowering. Enter "DXE Carbon Fiber" at DXEngineering.com.

24' Mast, 4 Clamps, 5 Sections, Collapses to 69"; \$299.99 DXE-TCFP-33 33' Mast, 6 Clamps, 7 Sections, Collapses to 69"; \$469.99 DXE-TCFP-33HD Heavy-Duty 33' Mast, 6 Clamps,

7 Sections, Collapses to 69".... DXE-TCFP-49 49' Mast, 9 Clamps, 10 Sections, Collapses to 81";\$849.99

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ELECRAFT K4

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A direct-sampling SDR you'll love to use

Our new K4 transceiver harnesses advanced signal processing while retaining the best aspects of the K3S and P3. It features a 7" touch display, plus a rich set of dedicated controls. Per-VFO transmit metering makes split mode foolproof. Bandstacking registers and per-receiver settings are versatile and intuitive. Control usage information is just one tap away thanks to a built-in help system.

Modular, hybrid architecture adapts to your needs

The basic K4 covers 160-6 m, with dual receive on the same or different bands. The K4D adds diversity receive, with a full set of band-pass filters for the second receiver. (Thanks to direct RF sampling, there's no need for crystal filters in either the K4 or K4D.) The K4HD adds a dual superhet module for extreme-signal environments. Any K4 model can be upgraded to the next level, and future enhancements—such as a planned internal VHF/UHF module—can be added as needed.

Single or dual panadapter, plus a high-resolution tuning aid

The main panadapter can be set up as single or dual. Separate from the main panadapter is our per-receiver *mini-pan* tuning aid, with a resampled bandwidth as narrow as +/- 1 kHz. You can turn it on by tapping either receiver's S-meter or by tapping on a signal of interest, then easily auto-spot or fine tune to the signal.

Comprehensive I/O, plus full remote control

The K4's rear panel includes all the analog and digital I/O you'll ever need. All K-line accessories are supported, including amps, ATUs, and our K-Pod controller. The USB display output supports its own user-specified format. Via Ethernet, the K4 can be 100% remote controlled from a PC, notebook, tablet, or even another K4, with panadapter data included in all remote displays. Work the world from anywhere–in style!

K4 KEY FEATURES

Optimized for ease of use

Modular, upgradeable design

7" color screen with touch and mouse control

ATU with 10:1+ range, 3 antenna jacks

Up to 5 receive antenna sources

Full remote control via Ethernet



The K4 interfaces seamlessly with the KPA500 and KPA1500 amplifiers

'The performance of their products is only eclipsed by their service and support. Truly amazing! 'Joe - W1GO



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IC-9700 | All Mode Tri-Band Transceiver

• VHF/UHF/1.2GHz • Direct Sampling Now Enters the VHF/UHF Arena • 4.3" Touch Screen Color TFT LCD • Real-Time, High-Speed Spectrum Scope & Waterfall Display • Smooth Satellite Operation



IC-7851 | HF/50MHz Transceiver

• 1.2kHz "Optimum" roofing filter • New local oscillator design • Improved phase noise • Improved spectrum scope • Dual scope function . Enhanced mouse operation for spectrum scope



IC-7300 | HF/50MHz Transceiver

• RF Direct Sampling System • New "IP+" Function • Class Leading RMDR and Phase Noise Characteristics • 15 Discrete Band-Pass Filters • Built-In Automatic Antenna Tuner



IC-7610 | HF/50 MHz All Mode Transceiver

• Large 7-inch color display with high resolution real-time spectrum scope and waterfall . Independent direct sampling receivers capable of receiving two bands/two modes simultaneously



IC-R8600 | Wideband SDR Receiver

10 kHz to 3 GHz Super Wideband Coverage • Real-time Spectrum Scope w/Waterfall Function • Remote Control Function through IP Network or USB Cable • Decodes Digital Incl P25, NXDN™, D-STAR • SD Card Slot for Receiver Recorder



IC-718 | HF Transceiver

• 160-10M** • 100W • 12V operation • Simple to use • CW Keyer Built-in • One touch band switching • Direct frequency input • VOX Built-in • Band stacking register • IF shift • 101 memories



IC-705 | HF/50/144/430 MHz All Mode Transceiver

• RF Direct Sampling • Real-Time Spectrum Scope and Waterfall Display • Large Color Touch Screen • Supports QRP/QRPp • Bluetooth® and Wireless LAN Built-in



IC-7100 | All Mode Transceiver

• HF/50/144/430/440 MHz Multi-band, Multi-mode, IF DSP • D-STAR DV Mode (Digital Voice + Data) • Intuitive Touch Screen Interface • Built-in RTTY Functions



IC-2730A | VHF/UHF Dual Band Transceiver

• VHF/VHF, UHF/UHF simultaneous receive • 50 watts of output on VHF and UHF . Optional VS-3 Bluetooth® headset . Easy-to-See large white backlight LCD . Controller attachment to the main Unit



ID-5100 AD

VHF/UHF Dual Band Digital Transceiver

• Analog FM/D-Star DV Mode • SD Card Slot for Voice & Data Storage • 50W Output on VHF/UHF Bands • Integrated GPS Receiver • AM Airband Dualwatch



IC-V3500 | 144MHz FM Mobile

- 65W of Power for Long Range Communications 4.5 Watts Loud & Clear Audio • Modern White Display & Simple Operation
- Weather Channel Receive & Alert Function



IC-2300H | VHF FM Transceiver

• 65W RF Output Power • 4.5W Audio Output • MIL-STD 810 G Specifications • 207 alphanumeric Memory Channels • Built-in CTCSS/DTCS Encode/Decode • DMS

IC-V86 | VHF 7W HT

• 7W OutputPower Plus New Antenna Provides 1.5 Times More Coverage . More Audio, 1500 mW Audio Output • IP54 & MIL-STD 810G-Rugged Design Against Dust & Water • 19 Hours of Long Lasting Battery Life • 200 Memory Channels, 1 Call Channel & 6 Scan Edges



IC-T10 | Rugged 144/430 MHz Dual Band

. Disaster Ready - Excellent Fit for Your Emergency Bag . Loud Audio - New Speaker Design . Long Bettery Life - Up to 11 Hours • FM Broadcast & Weather Channels

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• Hybrid SDR Configuration • Unparalleled 70 dB Max. Attenuation VC-Tune • New Generation Scope Display 3DSS • ABI (Active Band Indicator) & MPVD (Multi-Purpose VFO Outer Dial) • PC Remote Control Software to Expand the Operating Range • Includes External Power With Matching Front Speaker



FTDX10 | HF/50MHz 100 W SDR Transceiver



FT-991A | HF/VHF/UHF All ModeTransceiver

Real-time Spectrum Scope with Automatic Scope Control • Multi-color waterfall display • State of the art 32-bit Digital Signal Processing System • 3kHz Roofing Filter for enhanced performance • 3.5 Inch Full Color TFT USB Capable • Internal Automatic Antenna Tuner • High Accuracy TCXO



FTDX101D | HF + 6M Transceiver

 Narrow Band SDR & Direct Sampling SDR • Crystal Roofing Filters Phenomenal Multi-Signal Receiving Characteristics • Unparalleled - 70dB Maximum Attenuation VC-Tune • 15 Separate (HAM 10 + GEN 5) Powerful Band Pass Filters • New Generation Scope Displays 3-Dimensional Spectrum Stream



FT-710 Aess | HF/50MHz 100W SDR Transceiver

• Unmatched SDR Receiving Performance • Band Pass Filters Dedicated for the Amateur Bands • High Res 4.3-inch TFT Color Touch Display • AESS: Acoustic Enhanced Speaker System with SP-40 For High-Fidelity Audio • Built-in High Speed Auto Antenna Tuner



FT-891 | HF+50 MHz All Mode Mobile Transceiver

Stable 100 Watt Output • 32-Bit IF DSP • Large Dot Matrix LCD Display with Quick Spectrum Scope • USB Port Allows Connection to a PC with a Single Cable • CAT Control, PTT/RTTY Control



FTM-300DR | C4FM/FM 144/430MHz Dual Band

• 50W Output Power • Real Dual Band Operation • Full Color TFT Display • Band Scope • Built-in Bluetooth • WiRES-X Portable Digital Node/Fixed Node with HRI-200



FT-2980R | Heavy-Duty 80W 2M FM Transceiver

• 80 watts of RF power • Large 6 digit backlit LCD display for excellent visibility • 200 memory channels for serious users



FTM-200DR | C4FM/FM 144/430MHz Dual Band

• 1200/9600bps APRS® Data Communications • 2" High-Res Full-Color TFT Display • High-Speed Band Scope • Advanced C4FM Digital Mode • Voice Recording Function for TX/RX



FTM-500DR | C4FM/FM 144/430MHz Dual Band Xcvr

Front Firing Acoustically Enhanced Speaker System • True Dual Band Operation, C4FM/C4FM Digital D-D Dual Receive • 2.4" High-Resolution Full-Color Touch Panel Display • Built-in High Precision GPS Receiver • Wireless Operation Capability with Optional Bluetooth® Headset

FT-70DR C4FM/FM 144/430MHz Xcvr



FT-5DR C4FM/FM 144/430 MHz Dual Band

FT-65R | 144/430 MHz Transceiver

Compact Commercial Grade Rugged Design • Large Front Speaker Delivers 1W of Powerful Clear Audio • 5 Watts of Reliable RF Power Within a compact Body • 3.5-Hour Rapid Charger Included • Large White LED Flashlight, Alarm and Quick Home Channel Access





FTM-6000R | 50W VHF/UHF Mobile Transceiver

- All New User Operating Interface-E20-III (Easy to Operate-III)
 Poburt Species Politics 2W of Clear Origin Page its Audia a
- Robust Speaker Delivers 3W of Clear, Crisp Receive Audio
 Detachable Front Panel Can Be Mounted in Multiple Positions
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