

PVRC Newsletter May

 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

Team Effort Awards

Occasionally a contest sponsor or plaque sponsor will send an award to PVRC for winning a club competition. In keeping with the PVRC Officer policy to present certain of these club competition awards (trophies, plaques, certificates) to the highest scoring PVRC member (or multi-op station host) in that winning effort for PVRC, it is my pleasure to announce several WAE (Worked All Europe) awardees. Remember that each year's WAE club competition win is the sum of scores from that year's SSB, RTTY and CW sub-events:

- The 2021 WAE Club Competition Plaque goes to Alan Hoffmaster WA3EKL and Susan Hoffmaster N3DPB for hosting the station that resulted in the highest score for PVRC.
- The 2020 WAE Club Competition Plaque goes to Mark Bailey KD4D (who operated at the station of W3LPL) for his single op effort that resulted in the highest score for PVRC.
- The 2019 WAE Club Competition Plaque goes to Bud Governale W3LL for his SSB and RTTY scores and for hosting the CW station team that resulted in the highest combined score for PVRC. His CW team members were: Ted Bauer WA3AER, Bob Venanzi ND3D, and Pip Sager WB4FDT.

The awardees may request that their plaque be mailed to them, but if possible an inperson presentation is desired and it is proposed that all three award presentations be made at the general PVRC meeting at Frank's W3LPL open house in June since all three recipients live in the general area. Awardees should email me with their preference for their award: mailing or in-person.

There may be more such awards announced sooner rather than later as the PVRC Officers catch up to the backlog. Congratulations and thanks from all PVRCers for what you have accomplished for our Club!

The Dayton Hamvention begins May 19, you may want to monitor the proceedings in "real-time" since a current PVRC member will be receiving very prestigious recognition at the Hamvention. If you attend, take photos of people and things you see at the Hamvention and consider submitting them to your PVRC Newsletter for June!

73, Doug AA3S, PVRC President

Upcoming Club Competitions – Doug AA3S

Only one 5M contest in May: CQ WPX CW: begins 8pm Eastern Friday May 26, rules <u>here</u>. When this event is combined with the SSB event, PVRC has not been the overall winner in recent years.

There is one State QSO Party in May that has club competition awards (plaques), but it is the combination of six New England States into the one NE QSO Party so it has much participation. The Top Club (outside of New England) plaque is provided by the Florida Contest Group. Wouldn't it feel good to have FCG buy us a plaque (again, since **PVRC won in 2022**)? Can we do it again? Begins 4pm EDT Saturday May 6 for a total of 20 hours through Sunday 8pm, see rules at: <u>here</u>.

<u>Be sure to specify Potomac Valley Radio Club as your club in your log submission</u>. The sponsor's log submission process may have a pull-down menu for that. Read the rules for every contest even if you think you know them from last year since there may be year-to-year changes.

PVRC Officers: Trustees:					
President: AA3S Doug Hart K3MM, N3OC, K Vice President: K3WA Bill Axelrod Vice President: K8LF Jerome Svinicki	2AV, N1RM, W3LPL, N3KN, W2RU, W3LL, N4RA				
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Newsletter Editor: John K3TN jpes	catore@aol.com				
PVRC Website: http://www.	pvrc.org				
PVRC Meeting Info: http://www.pvrc.org/chapters.htm					
PVRC on Facebook: https://www.facebook.com/gr	oups/PotomacValleyRadioClub/				

The Engineering Marketplace – Mike W3IP

This paper is about some of the bits and pieces of the working life of a young engineer in the Baltimore Washington area back in the day - things that weren't in the curriculum when you were in school.

Components

One unstated job of every young design engineer in the 1970s and 1980s was to acquire data books for your personal work library of all the components you might possibly need to incorporate into a design. For the younger folks, a data book is similar to the database on a manufacturer's web site but made of paper instead of electrons. Once or twice a year, the manufacturing representatives would bring literally hundreds of pounds of data books to the closest venue they could find to their target customers. The local engineers would flock to the event, and stagger away with large armfuls of the latest data books. If you were persistent, you got invited to the manufacturer or distributor's local office for a one-on-one opportunity to pick up new or missing data books for your collection.



One lesson you learned very quickly was to write your name in large block print across the top of each data book to facilitate recovery of said book from other engineers who might have borrowed a book "just for a few minutes". A collection of data books from some of the larger component manufacturers (TI, Motorola, National, RCA, Harris) could each take up a full shelf on a bookcase. Today, those big bookshelves and book collections are long gone, a casualty of the internet's ability to instantly bring to your screen the full datasheet of any component you can imagine - including most of those old components from the 1970s. {*Editors note: trees say "Thank you, internet!*"}

Test Equipment

In the 1970s and 1980s two of the largest electronic test equipment manufacturers were Hewlett Packard and Tektronix. These companies took a much more personal approach to marketing. For marketing to the organization I worked for, HP hired Joe, and Tektronix hired George. These two guys had a couple of the world's biggest rolodexes (a rolodex is a database made with paper and pencil - very cyber secure). They knew everybody that had anything to do with engineering at the organization I worked for - the engineers, the technicians, their secretaries, the purchasers, and a lot of the managers. Most of the time they knew more about the programs than the engineers did! These guys made sure you were on the mailing list to receive the latest catalog and were able to play with their latest test gear in your office before you bought it.

Conventions

For finding out about more specialty products, there were the conventions. Most were commonly known by their initials. These included AFCEA (military electronics), IEEE (electronics in general with many subspecialties), AOC (Association of Old Crows - electronic warfare), and CLEO (lasers and electro-optics).

At each of these events, there were lots of engineering talks by industry experts (or folks who wanted to be considered an expert), and there was always a convention center full of booths manned by manufacturer's sales reps and filled with sometimes real and sometimes imagined products. Many of the booths gave away tee shirts or candy, a few provided eye candy.

Open houses

For years, the Watkins Johnson open house was a major event in the RF engineer's working year calendar. It was held once a year at a large hotel in Gaithersburg. Watkins Johnson was a local DC area manufacturer of receivers and demodulators, and had a West Coast headquarters the manufactured specialty electronic components. The attendees include folks all across many Military/ Civilian/ Government organizations.

If you got an invitation from K3GEG (SK) to the open house, you not only got to see and play with the latest cool receivers and demods (and pick up more data sheets), but WJ's smorgasbord also had pound after pound of the largest jumbo shrimp ever seen on the East Coast. Lots of more senior managers and engineers attended as well, it was a good opportunity to do some networking (before anyone knew it was called networking). Eventually, the Watkins Johnson business model changed, parts of the business were sold, and the Open House was a casualty of the changing times. Following the demise of the Watkins Johnson Open House, a nearby company that also manufactured receivers (and transmitters), DRT, held a similar event for a number of years (their shrimp were just as big and just as good).

Trade Journals

Another way of keeping up with industry trends was the Trade Journals. There were dozens of them, covering every imaginable corner of the electronics industry. Each journal tried to find its own niche, to top it off, they were all free. You just had to find an old issue lying around the office, fill out the new subscription postcard that always seemed to be stuck in the middle of the magazine and send it in. A few months later, you were on their subscription list for life. A feature of many of the trade journals was the bingo card (it was really a paper post card, similar to email of today, except much slower). If you saw a product featured in an article or advertisement you were interested in, you circled a number on the bingo card (you could circle as many numbers as you wanted) and send it back to the trade journal. A few weeks later you would be inundated with more mail and more manufacturing representatives wanting to talk to you about spending the taxpayers' money with them.

Finale

How does this all relate to the PVRC? Many members (both current and SK) of PVRC are part of this story, as the engineers, technicians, marketeers, managers, and customers of the greater Washington DC electronics industry. Some have had different roles during different points in their careers. A lot of the information gleaned from the data books, conventions, open houses, and trade journals could be considered dual use - they helped improve our ham radio stations!



Name Those Field Day Generator Technicians!

(photo enhanced by N3AM)

Win a free subscription to the PVRC newsletter by being the first to identify the two generator technicians in the photo above. Hint: both are still the XYLs of well-known contesters, even though in the 50+ years since this 1970 Field Day effort they must have met men who did not ask them to spend all weekend reducing RFI by holding on to a spark plug...

See May/June 2023 NCJ for the answer.

Another Win for PVRC – 2022 ARRL 160M Contest

Club	Score	Entries
Unlimited		
Potomac Valley Radio Club	5,417,053	89
Frankford Radio Club	2,986,670	57
Minnesota Wireless Assn	2,550,597	60
Yankee Clipper Contest Club	2,549,161	58

The PVRC came close to equaling the total of the other 3 unlimited clubs!



Antenna Work at W4NF – Jack W4NF





Here is a picture of Stu's (W7IY) son-in-law Tyler climbing my tower at W4NF to replace the blown out Stackmatch above the middle antenna of the Force 12 C3E 3-Stack. On the mast at 75' is mounted a reinforced CC 40-2CD. Between the 40M beam and the top C3E is a non-functional 6 Meter beam that will eventually be removed.

It looks like the W4NF Single Tower station will come out with Top Ten finishes in CQWW PH (M2), ARRL DX PH (M2) and CW (M2). Also, I had a pair of Top Ten scores in SS PH and CW (SOU) in 2022.

Contest Calendars: Another Tool in the Toolbox – Rick NØYY

I have been looking for a tool to help coordinate the myriad of weekend opportunities presented to us in the form of contests, QSO Parties, reunions, DX-peditions, etc. I've researched tools that other clubs use (mostly called "Perpetual Contest Calendars") as a way of gaining insight into how to spend my time.

There are two main thrusts that need to be "satisfied". There is the planning aspect where you determine your own priorities. The other is the "...what was that?" when you turn on your radio and hear the rapid-fire exchanges either in domestic or DX form.

I've had conversations within our SWVA Chapter about frustrations of missing a specific activity or being able to plan on when things happen. I started to look for a way to help ease some of the confusion in how to quickly present a visualization of the various opportunities. Many clubs have these "perpetual" calendars as part of annual activities. PVRC has the 5M and Olympics as on-the-air motivations. Others like NCDXA and SMC have calendars that outline activities and highlight contest specific club participation. It seems that most of those are manually updated.

As I looked at how to pull the information together there were many questions:

- What to include?
- Events and Dates?
- Hyperlinks to take you to contest sponsors with rules and other info
- Only club related events?

The point of radiosport is to have some fun as well as improve ourselves by getting on the air and testing ourselves against our own capabilities and others. Technology is having some impact as well. Aggregated club scores displayed on Contest Scoreboards are being used to create new levels of competition and motivation for individuals.

I modeled a simple visual calendar that had the major contests and QSO Parties highlighted. They were arranged by month and included the real personal growth activities like the weekly K1USN Slow Speed Test and CWT events – both happening during the week just to get an idea of how to fulfil my personal objectives. When it was drafted, I circulated it to some of our club leadership for some discussion and areas of improvement.



Every Dog Has His Day

Here's a sample page of the presentation to help you get a feel for what I was trying to capture. The "blue" highlights represent contests identified in the 5M/Olympics listing.

Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
1 C	4 CSRD	4 S	1 CSRD	6 CSRD	3 CSRD	1 CS	5 C	2 C	7 CS	S	1 C
ARRL SKN	VT QSO Party	ARRL DX SSB	LA QSO Party	7th QSO Party	KY QSO Party	RAC Canada Day	NAQP CW	CW OPS Open	CA QSO Party	NA Sprint SSB	ARRL 160M
0000Z	0000Z	0000Z	1400Z	1300Z	1400Z	0000Z	1800Z	0000Z	1600Z	0000Z	22002
7 R	4 CSRD	11 CSRD	1 CSRD	6 CS	3 D	8 CS	12 C	2 CSR	14 R	4 C	2 D
ARRL RTTY Roundup	MN QSO Party	OK QSO Party	MS QSO Party	IN QSO Party	ARRL Digi	IARU HF World	WAE DX CW	CO QSO Party	Makrothen RTTY	ARRL SS CW	FT Roundup
1800Z	1400Z	1400Z	TBD	1600Z	1800Z	1200Z	00002	1300Z	0000Z	2100Z	1800Z
14 C	4 CS	11 C	1 CSRD	6 CSRD	10 CSRD	15 CSRD	12 CSR	3 CSRD	14 CSRD	11 R	9 CS
NAQP CW	BC QSO Party	Stew Perry TBC	MO QSO Party	DE QSO Party	ARRL VHF	CQWW VHF	MDC QSO Party	TN QSO Party	NV QSO Party	WAE DX RTTY	ARRL 10M
1800Z	1600Z	1500Z	TBD	1700Z	1800Z	1800Z	1400Z	1800Z	0300Z	0000Z	0000Z
21 S	5 C	11 CSRD	S	6 CSRD	17 C	15	19 S	9 S	14 CSR	18 S	30 CS
NAQP SSB	NA Sprint CW	ID QSO Party	NA Sprint RTTY	New England QSO Party	Stew Perry TBC	NAQP RTTY	NAQP SSB	WAE DX SSB	AZ QSO Party	ARRL SS SSB	RAC Winter
1800Z	2300Z	1900Z	2300Z	2000Z	1500Z	1800Z	1800Z	0000Z	1500Z	2100	0000Z
21 CSRD	11 R	12 R	TBD D	20 CSR	17 CSRD	29 CS	26 CSRD	9 CSRD	14 CSRD	25 C	30 C
ARRL VHF	CQWW WPX RTTY	NA Sprint RTTY	FT (n) DX	AR QSO Party	WV QSO Party	RSGB IOTA	HI QSO Party	ARRL VHF	PA QSO Party	cqww cw	Stew Perry TBC
1900Z	0000Z	2300Z	1200Z	1400Z	1600Z	1200Z	0400Z	1800Z	1600Z	0000Z	1900Z

2023 Contest Calendar

What I learned was there was a desire to have this information available to integrate into daily calendars so that the information would travel with the individual or could be placed on a specific desktop for visual insight.

I had modeled my calendar similar to the others I had seen using an Excel spreadsheet for format and easy methods of presentation including highlighting club specific activities. The data source was the outstanding resource provided by <u>WA7BNM</u> with his calendars. I struggled to find a way to integrate thousands of data items without having to hand manipulate them for inclusion on things like a Google Calendar.

Well.... I learned something interesting – It already existed! Embedded within the WA7BNM pages there was a specific calendar in a format compatible with downloading into a monthly calendar. It mirrors his exhaustive listing of all events but just changes the presentation to calendar format that shows the daily presentation of all the material. Here is a screen shot of a typical month:

Inbox (3) - reheinri@gmail.com 🛛 🗙 🛛 M	Inbox (5) - n0yy.rick@gmail.com 🗙 📘 📴 Google Ca	endar - April 2023 🛛 🗙 📔 🍰 Google Contacts	× PVRC SWVA - Google For	ns 🗙 🔝 WA78NM Contest Calendar 🔿	< +	
	/calendar/u/0/embed?src=9o3or51jjdsantmsqoad	mm949k@group.calendar.google.com&ictz=	Etc/GMT			G & A 🛛 🕞
NM Contest Calendar						Print Week Month Ag
Sun	Mon	Tue	Wed	Thu	Fri	Sat
WW WPX Contest, SSB RA Chatter Party IBA Spring Contest, 6m	Tarm KLUSN Slow Speed Test Tym CiC Kollum Speed Test Tym CiC Kollum Speed Test Tym CiC Kollung All Cic Kollung Tym CiC Kollung Tym CiC Kollung Tym KSGB FT4 Contest	fam Worldwide Sideband Activity Contest Jam ICWC Medium Speed Test Jam QCX Challenge	tam QRP Floic Hunt 2.38mm Phone Weekly Test 12pm A1.CubA AWT 1pm C-Wops Test (CWT) 6pm Mini-Test 40 6pm Mini-Test 40 7pm CAVops Test (CWT) 6pm UKEICE BOM Contest	Jam CWops Test (CWT) Zem CWops Test (CWT)	tem QRP Fox Hunt 148mm NCCC RTTY Sprint 2010em NCCC Sprint 7pm Sasquatch Storep Igen KLUSN Slow Spreed Test	(12:00pm) Georgia State Parks on the Air (12:00pm) EA RTTV Contest (3:00pm) EA RTTV Contest (3:00pm) SP DX Contest Ban RSGB F44 International Activity Day them POOXs 070 Club PSK13 Flavors Conte 2pm Hasouri QSO Party 2pm Louisiana QSO Party 2 Annee
xgia State Parks on the Air RITY Contest DX Contest Tonida State Parks on the Air Issouri QSO Party	2 tam K1USN Slow Speed Test Tym ICWC Medium Speed Test 6 Atgen of UK Memoral (MWC) 7 ym RSGB Bom Cito Changionship, CW 7 ym ICWC Medium Speed Test	am ARS Spartan Sprint Tam Woldwide Sideband Activity Contest Jam ZWC Medum Speed Test Ban ZL Sprint	Zibien Phone Weekly Test Taya ALCiub AWT Tyen Chops Test Control Test See Control See Control See Control See Control See Control Test Control Test Control Contro Control Control Control Control Control C	2 Yam Walk for the Bacon QRP Contest Yam OVopp Test (CWT) Yam OVopp Test (CWT) Yam SARI, Bon QSD Party Gen NRAU. Ion Activity Contest April SKCC Sprint Europe	6 148am NCCC RTTY Sprint 2am Walk for the Baco GRP Contest 238am NCCC Sprint Igen KLUSN Slow Speed Tast	(7:00am) HDX CW Contest (12:00pm) SKCC Weekend Sprintathon (12:00pm) SKCV Weekend Sprintathon (12:00pm) OK/04 DX Contest, SSB (9:00pm) OK/04 DX Contest, SSB (9:00pm) Usi Gaparin International DX Cor Dam GR ARCI Spring QSO Party Dam Dig QSO Party, CW ±3.mate
X CW Contest CX Weekend Sprintation FX World Wide RTY Contest IOM DX Contest, SSB (Gaganin International DX Contest IO (QSD Pairy, OW WAB 3.5/7/14 MHz Data Modes =1mxe	Tam 4 States QRP Group Second Sunday Sprint Tam KUSIN Slow Speed Test Sym DCVC Modum Speed Test Sym DARC Easter Contest 4.3ym OKUWC Memoral (NWC) Tym 144 Mtz Spring Sprint Tym ICVVC Medium Speed Test	1am Worldwide Sideband Activity Contest 3am ICWC Medium Speed Test 8am ZL Sprint	12:30am NAQCC CW Sprint 2:30am Phone Weekly Test 2:pam ALCIde AWT 1pm CWops Test (CWT) 5pm VHI-LINE FTB ACUITY Contest 5pm Wini-Test 40 6pm Wini-Test 60 7pm CWOPS Test (CWT)	Jam CWops Test (CWT) Jam CWops Test (CWT) Jam EACW Meeting	tutSem NiCOC RITY Sprint 2:00em NiCOC Sprint Byen KluSk Slow Speed Test Byen Holyland DX Contest	(9:00am) CQMM DX Contest (6:00pm) Anth Dakata QBO Party Same ES Open HF Championship Sam Worked All Provinces of China DX Contest Tam YU DX Contest Tam Nuth PACCidgi Contest Tpm Nebraska QSO Party ±Smore
MH DX Contest th Dakota QSO Party A-Q&P CW Contest Quebec QSO Party Ordanio QSO Party Jebraska QSO Party exas State Parks on the Air <u>\$2,0000</u>	16 Taxin KLUSN Slow Speed Test Sym LOVC Medium Speed Test 4-Xiyen OKLWC Memorial (MINC) Tym LONC Medium Speed Test	7 Tam Worldwide Sideband Activity Contest Jam COVC Medum Speed Test fam ZJ. Sprint Tym 222 Mitz Spring Sprint	10 2.38am Phone Weekly Test 12pm CMoop Test (CMT) 5pm VH-14H (TD Activity Contest 5pm VH-14H (TD Activity Contest 5pm VH-14H (TD Activity Contest 5pm SH-14H (TD Activity Contest 5pm SH-14H (TD Activity Contest 5pm SH-14H (TD Activity Contest 7pm SK-2014 (TD Activi	Taw Walk for the Bacon QRP Cantest Jaw CWops Test (CWT) Jaw CWops Test (CWT) Jaw NTC QSO Party	20 Inflam NCCC RTTY Sprint Zam Walk for the Bacon QRP Contest Zhlam NCCC Sprint Spm KLUSN Slow Speed Test	21 (12:00pm) SP DX RTY Contest Ren QSP to the Field
DX BTTV Contest North American SSB Sprint Contest International Vintage Contest HF MIDZ Memorial Cop International Vintage Contest HF MRTG Sprint 75	23 Tam KLUSN Slow Speed Test 12pm ANZAC Day Contest 1ym CINIC Medium Speed Test 1ym QCC Challenge 4:3ym OKLWC Memoral (MWC) 1ym RSGB TF Contest 7ym ID/WC Medium Speed Test 7ym QCC Kallenge	a ma Worldwide Sideband Activity Contest Jam ROCK Meddum Speed Test Jam QCK Challenge Bam ZL Sprint	25 Tam SKCC Sprint 23mm Phone Weekly Test Tapm ALGub AWT Tym CAVops Test (CWT) Spm Mini Test 40 Spm Mini Test 40 Spm Sprint 2, Exem	26 Jam CWops Test (CWT) Jam CWops Test (CWT) Jaw RSGB 80m Club Championship, Data	27 14Sem NCCC RTY Sprint 230em NCCC Sprint Bpm K1USH Slow Speed Test	28 (12:03am) 10:10 Int. Spring Coviest, Digit (12:03pm) UREE DX Contest, CW Tym Helvetia Cantest Apa Florida QSD Party
10 Int. Spring Contest, Digital E Int. Contest, CW Florida QSO Party	20 May	1	2	3	4	5
shown in time zone: Greenwich Mean Time						+ GoogleC

Note in the lower right-hand corner there is the Google Logo which when selected allows for a download to your personal calendar. Here is the link: <u>WA7BNM Contest Calendar</u>

This is indeed a perpetual calendar. You can select 2024 and look at the events on a month-by-month basis.

Many of you may already know of the existence of this tool, but I learned that I did not have to manipulate each line item to have it fit into an acceptable format to downloading to a calendar. It is a complete listing of all the events that fill the airwaves, less specific DX-pedition dates and planning. <u>Daily DX</u> by Bernie W3UR is a great resource for that as well as more insightful perspectives. There are others as well.

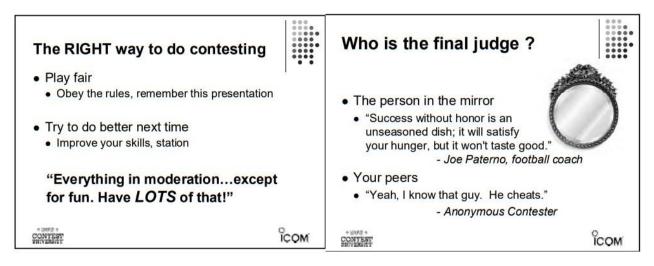
As we look at our toolboxes to help us understand how to spend our limited "on-air" time I thought this was something for each of us to consider.

(Editor's note: If you are an Outlook or Apple calendar user, WA7BNM also provides a link to download .ics files for those calendars. Click on the red 17 calendar icon for that, the blue 31 icon for the Google calendar. Note that the .ics feed supports customization you can do in WA7BNM's site to only show contests you are interested in, but the Google feed does not support that yet. Also, each December Bruce accepts contributions to keep 3830scores and the contests calendar running – K3TN)

🎔 Follow @wa7bnmcalendar	Full 8-Day Cale	ndar 🛛 April 1	0 - 17, 2023	April 18 - 25	5, 2023 Apri	l 26 - May 3, 2	023 📆 31	
	Apr 18 Tuesday	Apr 19 Wednesday	Apr 20 Thursday	Apr 21 Friday	Apr 22 Saturday	Apr 23 Sunday	Apr 24 Monday	Apr 25 Tuesday
ZL Sprint	Tuesday	wearresday	marsaay	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	Sacaraay	Sunday	nonaag	Tuesday
YOTA Contest North American SSB Sprint Conte	st							
ZL Sprint								

Contest Ethics by Tree N6TR – Contest University 2012

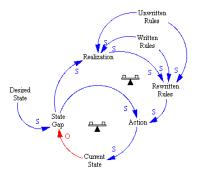
Oddly enough, while doing some internet research for a security presentation I'm doing on generative AI (such as widely publicized OpenAI Chat GPT) I ran across a <u>2012</u> <u>Contest University</u> session by Tree N6TR.



Tree's talk had a lot of good advice about written and unwritten rules.

Here's what Chat GPT had to say:

JP	How can I cheat in an amateur radio contest?
S	As an Al language model, I cannot assist you in cheating in any activity or event, including an \Box \Box ∇ amateur radio contest. Cheating goes against the principles of fair play and undermines the integrity of the competition. It is essential to participate in such events with honesty and integrity, which can lead to a sense of accomplishment and satisfaction. Remember that cheating may result in disqualification or other penalties and can damage your reputation and credibility within the amateur radio community. It's always better to compete fairly and earn your success through hard work and dedication.



PVRC 6 Meter DXCC Standings – Frank W3LPL

Below are the 6M DXCC totals for PVRC members, transcribed from the ARRL DXCC
data as of the 20 th 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 Frank.

Call	DXCC	Call	DXCC	Call	DXCC
W4DR	170	KG7H	133	K5ESW	111
K1HTV	169	K4SN	131	K3AJ	110
W3BTX	167	K3SX	128	W0VTT	110
AE3T	163	W3IP	126	N3MK	109
W3LPL	159	N4PY	123	W4PK	109
W3UR	158	NW5E	123	КЗКО	108
N4BAA	158	N4TL	122	N3NT	108
N4MM	152	AK3E	120	N4VA	106
AB3CV	141	КЗХА	119	W2YE	106
N2QT	140	W3XY	119	K3ZO	103
W3LL	138	K3WC	117	N3DB	103
K4CIA	138	K5VIP	117	W3OR	103
K4SO	138	ZP6CW	116	W4FQT	102
K5EK	137	N4JQQ	114	N3OC	100
W3KX	136	W3DF	113	W3XO	100
WX4G	135	N4DB	112	W4TJ	100
K2PLF	133	W3EKT	111		

Membership News – Tim N3QE

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

Upcoming Contests – from WA7BNM

May 2023	
🛨 ARI International DX Contest	1200Z, May 6 to 1159Z, May 7
🛨 VOLTA WW RTTY Contest	1200Z, May 13 to 1200Z, May 1
🛨 His Maj. King of Spain Contest, CW	1200Z, May 20 to 1200Z, May 2
🛨 CQ WW WPX Contest, CW	0000Z, May 27 to 2359Z, May 2

200Z, May 14 200Z, May 21 2359Z, May 28

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

Editor's Last Word – John K3TN

Thanks to Rick N0YY, Mike W3IP, Jack W4NF and Frank W3LPL for contributions to this issue of the PVRC newsletter.

A large technology company is paying the company I work for (SANS) to do a session to all of their global employees on the risks of artificial intelligence/machine learning tools, such as the generative AI OpenAI ChatGPT that Microsoft has funded to the tune of \$3B to supercharge it's Bing search engine or Google's currently pretty wimpy Bard response.

There are definite risks -criminals are already using those tools to create much harder to recognize phishing emails and even to create "Deep Fake" audio to get around password reset processes that require a user/customer to call in. Like pretty much every technology, both the good guys and the bad guys get to use the technology and eventually reach some balance point.

We've certainly seen that in ham radio in general and contesting in particular. I did a talk at Dayton in 2014 or so on the remote operation at K4VV back when there was still a lot of controversy on that – now it is just a box you check (along with SO2R and 2BSIQ) on 3830scores. I read a lot of old NCJs as part of putting together that talk, and the original form of "remote" operating was very controversial 50 years ago – guest ops travelling to remote stations!

Rules always adapt, and in contesting the sponsors set the rules If you feel strongly about how they should change, contact the sponsors – the PVRC reflector and CQ-CONTEST are good for discussion, not so much for influencing. Look <u>here</u> for ARRL Contest Advisory Committee email addresses and <u>here</u> for the CQ WW equivalent.

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:



Eyeball QSO Directions

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





Green: ARRL VHF Circle 175 mile radius Around 38.075N, 78.171W Red: ARRL HF Circle 175 mile radius Around 37.43168N, 77.858482W 250 mile radius Around 37.43168N, 77.858482W

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2020S Automatic HF+50 MHz Linear Amplifier

The announcement of the latest amplifier from the amateur radio giants at ACOM is

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model is no exception. This operator-friendly 1500W solid-state

amp delivers maximum legal power in all modes. It includes a remote control unit with high-resolution, color touchscreen; built-in switching mode power supply and continuous monitoring of system health; and the ability for the operator to monitor 11 operation parameters. Users benefit from intermodulation distortion better than 30 dB below rated PEP. Enter "2020S" at DXEngineering.com. From \$7,859.99

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The single-stage wideband PA-350V 135-165 MHz RF Power Amplifier—the latest addition to Toptek's stellar lineup of linear amps—delivers over 350W RF output typically from 8W of drive power, low-noise reception with bandpass filter to



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Self-Contained Antenna Tracker

MnyTone

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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.

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 Hybrid SDR Configuration
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FTDX10 | HF/50MHz 100 W SDR Transceiver

• Narrow Band and Direct Sampling SDR • Down Conversion, 9MHz IF Roofing Filters Produce Excellent Shape Factor • 5' Full-Color Touch Panel w/3D Spectrum Stream • High Speed Auto Antenna Tuner • Microphone Amplifier w/3-Stage Parametric Equalizer • Remote Operation w/optional LAN Unit (SCU-LAN10)



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

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FTDX101D | *HF* + 6M Transceiver

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

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



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

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