



# Solid Copy

The International CWops Newsletter

February

2016

Issue No. 73



IDXC Visalia Coming Up!

## CWops "CWT"

Every Wednesday

Regular Tests: Full Speed

Start times: 13Z, 19Z, 03Z (+1)

1-hour each session

Exchange: name/number (members)  
name/SPC (non-members)

(Avoid DX pileups!)

## CWops "neighborhood"

Look for CWops on 1.818, 3.528, 7.028,  
10.118, 14.028, 18.078, 21.028, 24.908, 28.028,  
50.098

## CWops Officers and Directors

President: Rob Brownstein [K6RB](#)

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## Table of Contents

[President's Message](#)

[From the Editor](#)

[News & Notes](#)

[CW Academy](#)

[How We Were – N3RS](#)

[CWops Tests](#)

[CWops Members Awards](#)

[New Members](#)

[Nominees](#)

[QTX Report](#)

[Operating Events](#)

[2015 Financial Report](#)

## President's Message



One month into 2016 we are seeing some interesting CW activities. The DXers have had a chance to chase down K5P and VP8STI, and the contesters have had a selection of

international and regional radiosport events. Of course, our stalwart CWTs are a Wednesday/Thursday staple.

Now into my second year of "semi-retirement" I feel busier than ever. Lord only knows what full retirement will be like ☺. I have a few tasks to do this week. One is to order the medallions for those who earned CWT Participation Awards and QTX awards. I also have to get the plaque for the top winner of QTX. The medallions are ordered through a company in the US but the foundry that makes them is in China.

*[Continued on next page]*

So it can take five to six weeks for the medallions to be struck, and another week for them to be delivered to me. Then, with my wife's help, we get lots of sturdy envelopes and start cranking out the mailing labels. Then we match the labels to the award winners and try to make sure they get the correct medallions. Then comes the fun part – taking the envelopes to the local post office for mailing. Every one that goes outside the US – even to Canada – requires a customs statement and tag. Those have to be done by hand, and after a few dozen of them, my sending hand gets really tired. But I know those of you who earned the medallions will be happy to receive them, and that makes the whole effort worth it for me.

We are nearly mid-way through the Jan-Feb semester of CW Academy and I'm advising three different groups this time. They are all Level 3. I have two learners in the UK whom I meet with on Mondays and Thursdays at 1 PM PST, a group of four western US students who get together with me at 7 PM PST and a group of three at 8 PM. I sure enjoy it and all 9 students have already told me that it is making a huge difference in their skills.

In March, as things now stand, I will be gone from 1 March to 31 March in 4X-land (on business). I'm toying with taking a K3 and Buddipole with me, but probably not. So I'm going to miss a whole bunch of CWTs and probably be suffering from terminal CWT withdrawal symptoms when I return. By then, the April-May CW Academy semester will be ready to begin, so no rest for the weary.

You may remember that a few storms back my yagis were twisted clockwise well over 100 degrees off heading. Without having to climb and put things back, this last set of storms resulted in me now being just -10 degrees off heading ☺. Patience is a virtue in Santa Cruz, California. I recently went through my station and replaced all the ground lines going from radios and amps with new ones. Why? Because I had a 14 ohm resistance between the chassis of radio 1 and radio 2. Now it is barely detectable resistance. Funny thing, too, a whole lot of ground loop thumping and other noise disappeared when I was done. So, now everything is working – the feedlines, the antennas, the grounds, the paddles. So I'm turning my attention to a plan for establishing a Youth CW Academy as I mentioned last month. When it's ready to be reviewed, I'll pass it on to some critics for sanity checking. I hope to share the plan with the membership in a month or two.

Hope you are enjoying your new year and living up to your resolutions.

73,

**Rob K6RB**

[Back to Contents](#) [Next article](#)

---

## From the [Editor](#)



### No New Articles!

Well, our winning streak has ended. For the first time in recent memory, we have no individual articles in *Solid Copy* this month. There is plenty of good material in the regular columns and the annual [Financial Report](#), but as Editor I am ashamed to admit that I was unable to coax any articles out of our membership. So let me repeat – you do not need the literary skills or productivity of a Shakespeare, Faulkner, or Asimov, or even the more pedestrian ones of my best-selling schoolmate Nora Roberts (whom I did not know) to write for *Solid Copy*. Anyone can write up his or her ham radio story. Those with technical know-how can describe a device they built for the shack. Those with operating skill can provide guidance for others. Those with an ax to grind can grind it, provided it's in good taste. Don't worry if you got a C- in English Composition, either. Editorial services here are free and worth every penny you pay for them, maybe a bit more. So c'mon, gang, sharpen up those pencils, warm up those word processors, and become an honored *Solid Copy* contributor!

Another note from the *Journal of Irreproducible Results*: Your humble(d) Editor lost his SteppIR in action a week ago. It was a sudden failure while transmitting, just the opposite of what typically happens with water in the coax, but that's what it appeared to be. So I got out my trusty antenna analyzer which claimed that the fault was maybe 160' (50 m) from the shack. At first, I feared that that might be atop the tower. But a coil of wasted length under the deck and a tape measure showed me that 160' of feedline couldn't possibly make it all the way to the top. The feedline had a really nice looking splice near the bottom of the tower that might conceivably be the culprit, but it was really, really, secure! It took ample sweat, some tears and almost some blood to cut through the layers of electrical tape and that thick, self-curing stuff, but the analyzer then showed me that the antenna was good down to the base of the tower. Phew, no crank-up tower climbing required! Another very clean splice under the ham shack window also looked good and tearing it open proved that the fault wasn't in the segment between the tower and the house, either. So I re-tightened all the connectors using pliers, quickly taped up both joints, and listened again inside. It worked! So I don't know what was wrong, but it's "fixed" now, albeit with rather slipshod taping. All I have left to do is remove the rest of the old, self-curing goop (very tough!), re-apply, and wait for the problem to recur. Grrr!

Enjoy this issue of *Solid Copy* and, as usual, let me know what else you want to see here. And, per my humble plea above, please send some articles!

73,

**Rick**N6XI

Editor

[Back to Contents](#)

[Next article](#)

---

## News & Notes

### [Jerry Weisskohl AC4BT](#)

*This is a column where members can report their activities, happenings and achievements, both radio-related and personal. Please send brief notes to Jerry AC4BT at [jweisskohl@gmail.com](mailto:jweisskohl@gmail.com).*

**Atsu JE1TRV:** Happy New Year! This is the final report of the first JA CW Academy (CWA) held in Nov. and Dec. 2015. Two students (Dai JE6JAR and Hisa JR2WLT) have successfully completed 16 sessions /2 months Level-1 course on Dec. 29, 2015. We issued the certificates to both of them. One of the students, JR2WLT, sent us the photo below, a proud face full of smiles!

The envelope in his left hand is the application to the JA licensing authority asking to add the CW mode to his station license. (In JA, we have two kinds of licenses: operator's license and station license. And we need to amend the station license when we want to add a mode, band, etc.). I hope Hisa will debut on the bands soon.

During the course, we felt the current text is not perfect for JA beginners in some parts. So we will study how we should improve the text moving forward. I'll have to ask Stephen to update the contents of the JA version of 'Morse Trainer' later.



**Mike VE9AA:** Ordered my second N3ZN paddle a month before Xmas and used it for the first real workout in the NAQP CW this past weekend. The ZN-9DX is a keeper (and so is the miniMITE paddle I have in the MINI)!

Check them out – I am sure you won't be disappointed. I sure wasn't. Anyone wanna buy a set of Benchers? (hi)

**Dave AF5DM:** I was happy to qualify for the CWOps-participation bronze medal for the 2015 year. It's hard to do the early morning session sometimes, being a working stiff. However, I had lots of fun doing the Wednesday afternoon session from work, using my FT-817(QRP) to a 20m Hamstick on the top of my car's roof from the parking lot.

I usually can only make 11 or 12 contacts before my conscience pushes me to get back to work. These 2-way contacts are enabled by other CWT ops who have much better antennas. My hats off to them for their good ears and their patience to QSO with little guns like me! Next year I am shooting for a silver medal. (Last year I had a late start, didn't start reporting my scores until about April).

**Fred K6DGW:** Technically, I guess that's K6DGW/7. We're getting settled in Sparks, NV and I've gotten the remote to W7RN running very well on both CW and (gasp!) SSB. Entered both NAQPs in January and have been back in the CWTs, 1900Z and 0300Z. I'm just not going to roll out of bed at 0500 local for the first one. AFSK is next. I hope to get into the NAQP RTTY at the end of February.

I was worried that operating remote and not making any RF at home would not provide the fun level that I've enjoyed for so long, but that turns out not to be the case at all. It's my K3 here on my desk, and the fact that the "real radio" is about 45 km away near Virginia City, NV has become irrelevant. And of course, there's the CoAA (Coefficient of Aerial Aluminum) at W7RN that adds to the fun level. :- ) [w7rn.com](http://w7rn.com)

**Curt N5CW:** Special event station W0W will again be operated this year beginning April 1 through April 15th. The station is operated in support of the University of Southern Mississippi/City of Petal, MS POW-WOW. Although most operators will come from South Mississippi, others may operate by contacting N5CW at [ORION346@YAHOO.COM](mailto:ORION346@YAHOO.COM) for details.

We want CW to be a big part, but CW operators are in short supply. If you do want to operate, your operating will be from your home QTH. A QRZ web page with all event details will be active during this two week period explaining the event. N5CW will handle all QSLs.

[Back to Contents](#)

[Next article](#)

---





## CW Academy

**Jerry AC4BT, Rob K6RB and Will WJ9B**

We are now one month into our two-month program and all is going relatively smoothly. Unfortunately, we had several advisors who had to bow out just before we got started and we've had to contact some of those who had already been placed in the Jan-Feb semester and tell them we had to book them into April-May instead.

CW Academy continues to receive at least a handful of student signups every day. Right now the April-May classes are full and we're loading up the Sep-Oct classes. That is too long of a backlog and we lose some during the long waiting period. So, once again, we invite our members to join the CW Academy advisor corps and help us whittle down those long backlogs.

Many of our Level 2 and Level 3 students are being assigned to participate in one or more CWT sessions. When they do, they send name "CWA." That way, all participants can see the contribution of our students to the fun events. However, more than a few have told me that some participants are clearly puzzled when they get "CWA" instead of state, province or country. That should not be their problem; it is our problem.

When the semester ends at the end of February we will schedule our traditional "slower" CWT day for the second Wednesday of March. We should make an effort to participate as our way of saluting these students who have completed their courses and received certificates. So even if you rarely participate in CWT, make a note to do so on the second Wednesday of March, June and November, please.

Finally, we are getting an increasing number of non-US/Canadian students who want to improve their CW skills. Ideally we will find advisors in the same or adjacent time zones. However, that is even more difficult than finding advisors in the US to handle US signups. Consequently, we are now considering pairing up non-US signups with US advisors who have the time flexibility to work with these students. For example, this semester Rob K6RB is advising two UK students, M0GKK and G4NVR, by meeting them on Skype at 1 PM PST/9 PM UTC. Because we make use of Skype, there are no issues about propagation. All parties can see and hear each other very well despite thousands of miles of distance.

73,

***Jerry*** AC4BT

*CW Academy is managed by Rob K6RB, Will WJ9B and Jerry AC4BT.*

[Back to Contents](#)

[Next article](#)

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# How We Were – N3RS

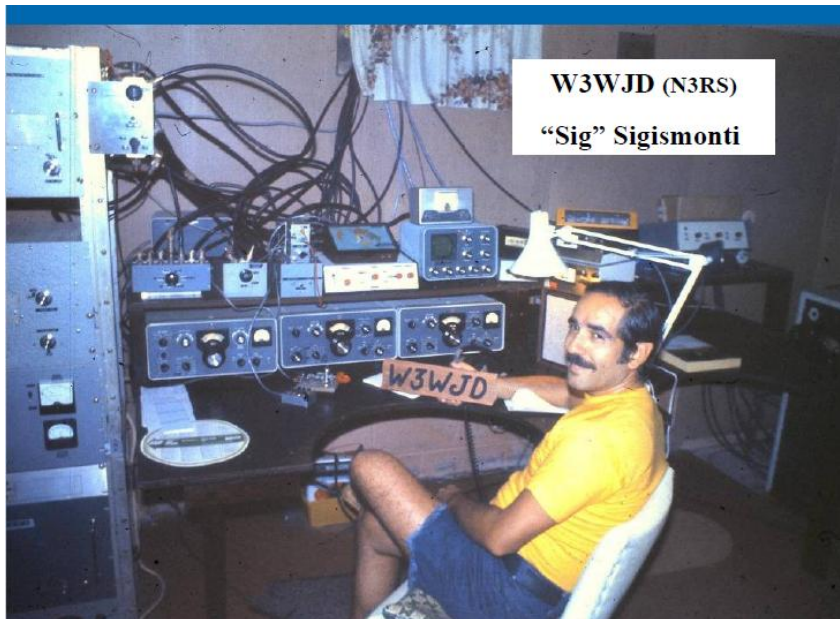
by [Hank Garretson W6SX](#)



CWops #34.

"Sig," a native of Philadelphia, was first licensed as WN3WJD in June, 1953. He started out with homebrew equipment and a dipole. He quickly became interested in CW. He entered his first radio contest in 1954 and has been a consistent participant in the major DX contests ever since.

Below is Sig a few years later.



Please send YOUR *How We Were* Photos to [w6sx@arrl.net](mailto:w6sx@arrl.net)

[Back to Contents](#)

[Next Article](#)

---

## CWops Tests

by [Rich Ferch VE3KI](#)

First, a reminder that the March 9 CWTs coming up will be special slow-speed CWTs (20 wpm or less). The CW Academy profs encourage their students and graduates to participate in these events, but it can be very intimidating to a newcomer to hear so many people rattling along at 30-35 wpm. Please take the time on March 9 to slow down and not scare the CWA graduates away.

The order for the participation award medallions is now in process. It will take several weeks for the order to be fulfilled, and then the awards have to be mailed out, so please be patient.

I see that some of us have been using the CWTs for various kinds of experiments and self-training. Quite a few have been giving remote operating a try, and the CWTs are a great place to work out some of the kinks. Jim N3JT has even been experimenting with dual-QTH operating, with one local station and one remote. I never know when I hear his call sign which location he is calling from. This last is not something you can do under “real” contest rules, but the CWTs are a more relaxed environment.

Another thing you can do is try out various forms of spotting assistance to see how well they work for you. In this morning’s CWT I used CW Skimmer as kind of a local DX cluster. CW Skimmer is a great tool for working a DX pileup – you can quickly see what frequency the DX is listening on by looking for 599 from someone in the pileup. I found it much less helpful in the CWT, though. In fact, it was more of a distraction than a help.

I prefer the Reverse Beacon Network (RBN) over CW Skimmer for contesting (as opposed to DXing), as it keeps track of all bands simultaneously, provides information on which bands are open, and generally keeps the band maps in my contesting software full. Still, in the CWTs I find that I prefer to operate unassisted. Maybe that’s because with spotting assistance there is so much information being displayed in such a short time that my decision-making circuits get overloaded!

There are lots of other things to try. Got a new paddle? The CWT is a great place to try it out. Want to get more familiar with your contesting software? Try out its features in CWTs. And what better place to give QRP a whirl to see what it’s like than a CWT?

We do the CWTs because they’re fun; let’s all make sure they continue to be fun for everyone.

73,

***Rich,*** VE3KI

[Back to Contents](#)

[Next Article](#)

---



# CWops Awards

[Pete W1RM](#) and [Peter W1UU](#)

*The Annual Competition Award (ACA) is based on the number of members worked each calendar year. You get one point per member worked, once per year. It resets to zero at the beginning of each year. The Cumulative Member Award (CMA) is based on how many members you've worked since January 3, 2010 on each band and continues to grow in perpetuity. The CWops Award Manager (CAM) software, available at no cost, will help you keep track of your ACA and CMA totals.*

Call	ACA	CMA		Call	DX Total		Call	WAS		Call	WAE		Call	WAZ
VE3KI	340	3677		W1RM	162		N5RR	50		W1RM	48		W1RM	38
W1RM	327	4023		F6HKA	141		W1RM	50		F6HKA	44		F6HKA	38
N5RR	292	3751		W4VQ	134		W4VQ	50		N5RR	43		W4VQ	37
G4BUE	231	3000		G4BUE	117		F6HKA	50		G4BUE	43		G4BUE	37
W4VQ	195	2293		N5RR	114		W1UU	50		OK1RR	42		N5RR	36
F6HKA	170	3949		OH2BN	112		VE3KI	50		W4VQ	40		VE3KI	35
W9ILY	169	2537		VE3KI	108		G4BUE	50		VE3KI	40		IK0YVV	32
K1ESE	164	2128		EA8OM	103		EA8OM	50		OH2BN	40		N5PHT	27
K3SEN	153	595		K1ESE	94		W0EJ	50		EA8OM	40		JF2IWL	25
NA6O	151	1101		SM6CNN	93		F6JOE	50		AA3B	38		W6NS	19
N1EN	150	1866		OK1RR	93		W6KY	50		SM6CNN	37			
K6DGW	140	1460		AA3B	91		N1EN	50		F6JOE	36			
W1UU	138	1879		EA1WX	89		N5PHT	50		KZ5D	34			
K5IX	116	558		DL8PG	86		F5MKN	50		KR3E	34			
N5PHT	105	1329		W0VX	85		K5IX	50		K1ESE	33			
F6JOE	96	2446		W9ILY	84		W9ILY	49		DL8PG	33			
I5EFO	30	177		N1EN	82		W0VX	49		W9ILY	32			
W6NS	25	855		PA7RA	79		K6RB	49		W1UU	32			
JF2IWL	13	837		F6JOE	79		K6DGW	49		F5MKN	32			
AA3B	0	5292		KZ5D	78		K1ESE	49		EA1WX	32			
K6RB	0	3245		W1UU	73		GW0ETF	49		W0VX	31			
KZ5D	0	3239		KR3E	73		AD1C	49		PA7RA	31			
EA8OM	0	2599		AD1C	73		AA3B	49		N1EN	31			
SM6CNN	0	2477		N1ZX	70		WB9G	48		IK0YVV	30			
W0VX	0	2437		F5MKN	68		SM6CNN	48		NN6T	29			
W6KY	0	1840		NN6T	67		NN6T	48		N1ZX	28			
N2UU	0	1774		GW0ETF	67		NA6O	48		GW0ETF	28			
EA1WX	0	1655		IK0YVV	57		N1ZX	48		AD1C	25			
AD1C	0	1630		N5PHT	56		KZ5D	48		K6RB	23			
OK1RR	0	1618		W6KY	54		KT5V	48		JF2IWL	23			
NN6T	0	1577		K6RB	54		IK0YVV	48		HB9ARF	23			
DL8PG	0	1559		4Z1UF	50		DL8PG	48		G4DRS	22			

Call	ACA	CMA		Call	DX Total		Call	WAS		Call	WAE		Call	WAZ
GW0ETF	0	1451		WB9G	48		AB7MP	48		4Z1UF	21			
KG5U	0	1322		JF2IWL	47		W6NS	47		I5EFO	20			
PA7RA	0	1200		G4DRS	45		NU7Y	47		WB9G	19			
KR3E	0	1136		HB9ARF	41		KR3E	47		K2ZC	18			
F5MKN	0	1111		W0EJ	36		JF2IWL	47		G3YJQ	18			
PA4N	0	955		KG5U	35		WX7SJ	46		KG5U	17			
N1ZX	0	940		K2ZC	35		KG5U	46		W6KY	16			
4X6GP	0	906		K6DGW	34		K3SEN	46		N5PHT	15			
WB9G	0	888		KT5V	32		K0DTJ	46		NN4K	13			
W5ASP	0	869		K3SEN	30		EA1WX	46		KE4S	13			
KT5V	0	814		W6NS	29		PA7RA	44		K3SEN	12			
IK0YVV	0	767		NA6O	29		OK1RR	44		KT5V	11			
W0EJ	0	754		G3YJQ	27		NN4K	44		W0EJ	10			
HB9ARF	0	723		K0DTJ	25		KE4S	44		G3XLG	10			
NN4K	0	671		NN4K	24		K2ZC	44		NA6O	9			
K0DTJ	0	668		I5EFO	24		KM4FO	43		K6DGW	8			
K2ZC	0	641		NU7Y	21		HB9ARF	43		W5TM	7			
WX7SJ	0	610		KE4S	20		G4DRS	43		G0DJA	7			
WT2P	0	574		K5IX	19		OH2BN	42		K0DTJ	6			
OH2BN	0	530		G3XLG	18		NV9X	38		W6NS	5			
KE4S	0	524		WT2P	14		G3YJQ	37		KM4FO	5			
KM4FO	0	500		AB7MP	14		4Z1UF	36		K5IX	5			
NU7Y	0	479		W5TM	11		WT2P	34		WT2P	4			
AB7MP	0	464		KM4FO	10		W5TM	32		AB7MP	3			
N7WY	0	403		G0DJA	10		I5EFO	32		NV9X	1			
G4DRS	0	353		NV9X	4		G3XLG	31						
W5TM	0	235		KE6K	4		KE6K	17						
G3YJQ	0	234					G0DJA	8						
G3XLG	0	201												
NV9X	0	149												
KE6K	0	116												
G0DJA	0	23												
PA1FOX	0	5												

73,

*Pete* W1RM

[Back to Contents](#)

[Next Article](#)

## New Members

[Colin Jenkins KU5B](#)

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

1555	W0GXQ	Jerry
1556	K1DJ	Rich
1557	N5TOO*	Van
1558	EC7ABV	Tony
1559	OH7CW*	Panu
1560	KM4OIX*	John
1561	K1KS	Al
1562	N9SE	Marty
1563	VE3TW	Stan
1564	AC0W*	Bill
1565	EA8DDM	Carlos
1566	DJ1YFK*	Fabian
1567	AJ8B*	Bill
1568	K4MM	Tom
1569	IT9MUO	Alf
1570	IK0XFD	Jordan
1571	IK4EWX	Ian
1572	G8AJM	Chris
1573	SM5ACQ	Don

\* = Life Member

[Back to Contents](#) [Next Article](#)

---

## Current Nominees

As of 10 February 2016:

**Need Sponsors:** AA7FV, KL9A

**Invitations Extended:** N3ZL, K7RR

For more details about nominees and up-to-date status, check the “Members Only” pages on the Website: [www.CWops.org](http://www.CWops.org).

For information about joining CWops, check the Website under “Membership.”

[Back to Contents](#) [Next Article](#)

---

# QTX Report

## Enjoying the Art of Conversational CW

by [John Huffman K1ESE](#)

*QTX is a way of counting conversational CW QSOs. One point is awarded for each QSO of 20 minutes or longer. We have two ways to recognize QTX activities - the QTX Plaque and the QTX Achievement Medal.*

We are off again on a new year of QTX. Participation has been up over the last year and we would appreciate your report, large or small. Just count up your monthly total of CW conversations lasting 20 minutes or longer.

### QTX Standings

Each year we list the monthly and year-to-date QTX points for reporting stations. Each year the competition is wide open. With just one month's tally under our belt, here are the QTX standings -

WB6BEE	72
K1ESE	65
KI4XH	56
N5IR	54
K5KV	51
AC4BT	43
K5YQF	36
K4AHO	32
NN6T	28
KB6NU	26
N1ZX	23
KC0VKN	18
W3WHK	12
K6RB	9
KE6OIO	9
I5EFO	5
K3TN	4

N9SE	3
W5JQ	2

Everyone had a 'personal best' for the year ... so far.

Don WB6BEE is off to an early lead again this year. Next is the champ from four years ago K1ESE, followed by the champ from two years ago KI4XH, followed by last year's champ N5IR.

We totaled 548 QSOs and 19 participants. We hope to grow from there.

But, you don't have to have a top score to be a winner. We award QTX medals for the following totals at the end of the year -

Gold Medal 400 QTX points

Silver Medal 300 QTX points

Bronze Medal 200 QTX points

It will be fun to see if you can accumulate the contacts needed to reach each level. Average about 18 rag chews each month to receive an award.

Good luck with your totals and enjoy making new friends and chatting with your regular pals.

Thanks to all for your participation.

73,

**John** K1ESE, CWops #792, *QTX Manager*

*QTX – Encouraging Conversational CW*

[Back to Contents](#) [Next Article](#)

---



# Upcoming CW Operating Events

[Joe Staples W5ASP](#)

*This brief list of operating events is intended to provide members with options for using and improving their CW skills in less intense and more casual on-the-air activities.*

The ARRL has come up with another rather unique operating activity. The National Park Service will celebrate its 100th anniversary this year. The ARRL has created the *National Parks on the Air* program to recognize this event. Amateur radio activity will be encouraged from each of the more than 483 official National Park Service administrative units and affiliated areas across the US. This includes all 59 National Parks as well as National Battlefields, Historic Sites, Memorials, Preserves, Reserves, Rivers, Seashores, National Scenic Trails, and other units. Further details may be found at: <http://www.arrl.org/npota>.

A number of web sites have been created to support NPOTA. A list of events scheduled to take place within the upcoming (10 day) period as well as full list of all scheduled events is at: <https://npota.arrl.org/nps-events.php>.

There is a listing of the many NPS Units at: <http://www.arrl.org/npota-list>. An interactive Google map of NPS sites can be found at: <http://www.spinmap.com/npota-sota/map.html>. While CW contacts may be somewhat in the minority, it's still worth looking into. In this instance, checking the cluster spots may help identify the players

Both the ARRL DX CW and the Russian DX contest should be familiar territory to most CW operators. Both provide the opportunity to work a wide range of DX entities staffed by experienced operators. Even short periods of checking the bands can be quite productive.

The Stew Perry Topband Distance Challenge has become a major low band event with over 800 logs submitted this past year. While it enjoys strong activity, is somewhat less congested and perhaps a bit more "friendly" than other 160 meter contests. This provides more chances for the modest station to make DX contacts. It is CW only.

If things get dull, try one of the sprints or state QSO parties. There's enough to go around.

Till next time ... Keep on pounding.

## **FEBRUARY/MARCH EVENTS**

**ARRL Inter. DX Contest, CW**

**0000Z, Feb 20<sup>th</sup> to 2400Z, Feb 21<sup>st</sup>**

<http://www.arrl.org/arrl-dx>

**Stew Perry Topband Challenge**

**1500Z, Mar 12th to 1500Z, Mar 13th**

<http://www.kkn.net/stew/>

**Russian DX Contest**

**1200Z, Mar 19th to 1200Z, Mar 20th**

<http://www.rdx.org/asp/pages/rulesg.asp>

NCCC Sprint	0230Z-0300Z, Feb 12 <sup>th</sup>
NCCC Sprint	0230Z-0300Z, Feb 26 <sup>th</sup>
NCCC Sprint	0230Z-0300Z, Mar 4 <sup>th</sup>
NCCC Sprint	0230Z-0300Z, Mar 11 <sup>th</sup>
NCCC Sprint	0230Z-0300Z, Mar 18 <sup>th</sup>
<a href="http://www.ncccsprint.com/rules.html">http://www.ncccsprint.com/rules.html</a>	
NAQCC CW Sprint	0130Z-0330Z, Feb 19 <sup>th</sup>
NAQCC CW Sprint	0030Z-0230Z, Mar 17 <sup>th</sup>
<a href="http://www.naqcc.info/">www.naqcc.info/</a>	
SKCC Weekend Sprintathon	1200Z, Feb 13 <sup>th</sup> to 2400Z, Feb 14 <sup>th</sup>
SKCC Sprint	0000Z-0200Z, Feb 24 <sup>th</sup>
SKCC Weekend Sprintathon	1200Z, Mar 12 <sup>th</sup> to 2400Z, Mar 13 <sup>th</sup>
SKCC Sprint	0000Z-0200Z, Mar 23 <sup>rd</sup>
<a href="http://www.skccgroup.com/operating_activities/weekday_sprint/">http://www.skccgroup.com/operating_activities/weekday_sprint/</a>	
FISTS Winter Unlimited Sprint	1700Z-2100Z, Feb 13 <sup>th</sup>
<a href="http://www.fistsna.org/">http://www.fistsna.org/</a>	
New Hampshire QSO Party	1600Z, Feb 13 <sup>th</sup> to 0400Z, Feb 14 <sup>th</sup> and 1200Z-2200Z, Feb 14 <sup>th</sup>
<a href="http://www.w1wqm.org/nhqso/New_Hampshire_QSO_Party_Rules.pdf">http://www.w1wqm.org/nhqso/New Hampshire QSO Party Rules.pdf</a>	
South Carolina QSO Party	1400Z, Feb 27 <sup>th</sup> to 0059Z, Feb 28 <sup>th</sup>
<a href="http://scqso.com/rules/">http://scqso.com/rules/</a>	
North Carolina QSO Party	1500Z, Feb 28 <sup>th</sup> to 0059Z, Feb 29 <sup>th</sup>
<a href="http://rars.org/ncqsoparty/index.php?id=rules">http://rars.org/ncqsoparty/index.php?id=rules</a>	
Oklahoma QSO Party	1400Z, Mar 12 <sup>th</sup> to 0200Z, Mar 13 <sup>th</sup> and 1400Z-2000Z, Mar 13 <sup>th</sup>
<a href="http://k5cm.com/okqp2016rules.pdf">http://k5cm.com/okqp2016rules.pdf</a>	
Idaho QSO Party	1900Z, Mar 12 <sup>th</sup> to 1900Z, Mar 13 <sup>th</sup>
<a href="http://idahoarrrl.info/qsoparty/rules.htm">http://idahoarrrl.info/qsoparty/rules.htm</a>	
Wisconsin QSO Party	1800Z, Mar 13 <sup>th</sup> to 0100Z, Mar 14 <sup>th</sup>
<a href="http://www.warac.org/wqp/wqp.htm">http://www.warac.org/wqp/wqp.htm</a>	
Louisiana QSO Party	1400Z, Mar 19 <sup>th</sup> to 0200Z, Mar 20 <sup>th</sup>
<a href="http://laqp.louisianacontestclub.org/laqso_rules.htm">http://laqp.louisianacontestclub.org/laqso_rules.htm</a>	
Virginia QSO Party	1400Z, Mar 19 <sup>th</sup> to 0200Z, Mar 20 <sup>th</sup> and 1200Z-2400Z, Mar 20 <sup>th</sup>
<a href="http://www.qsl.net/sterling/VA_QSO_Party/2016_VQP/2016_VQP_Rules.html">http://www.qsl.net/sterling/VA_QSO_Party/2016_VQP/2016_VQP_Rules.html</a>	

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## 2015 Financial Report

### Cash Flow

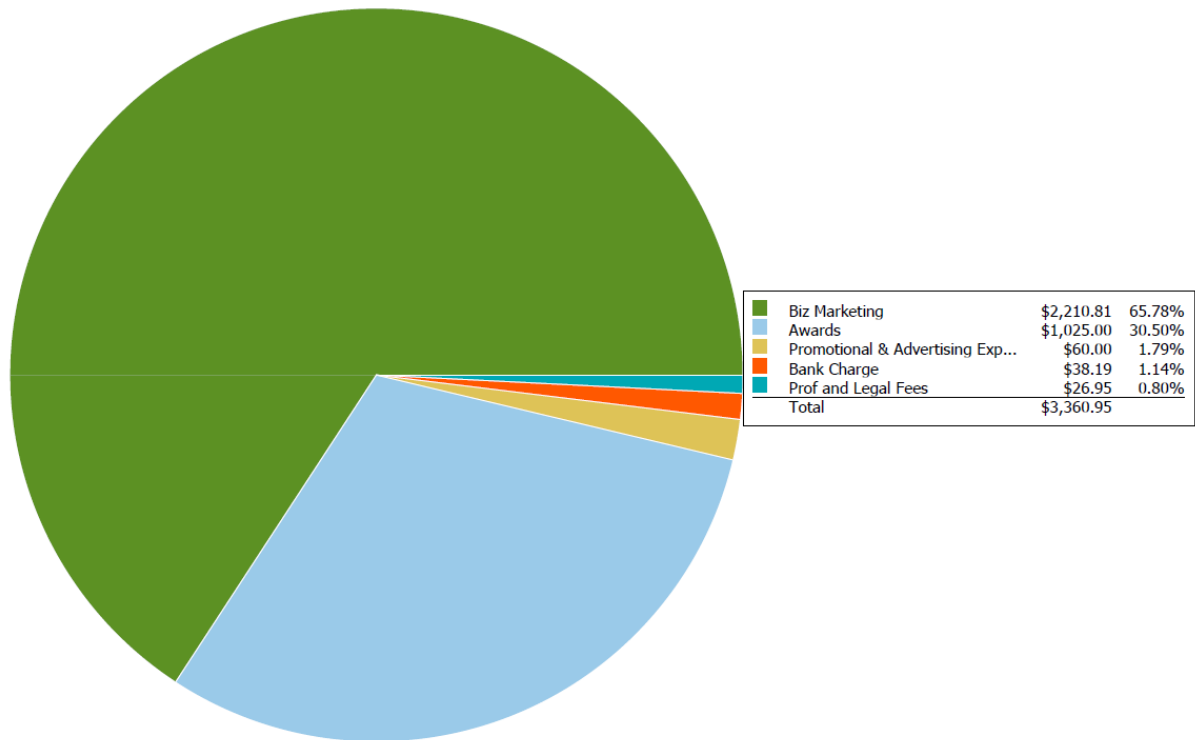
2015  
1/1 to  
12/31

Category	2015- /2015	OVERALL TOTAL
<b>INFLOWS</b>		
Club Dues	19,067.75	71,033.28
Interest Inc	10.38	78.39
Other Inc, Biz	0.00	5,000.00
<b>TOTAL INFLOWS</b>	<b>19,078.13</b>	<b>76,111.67</b>
<b>OUTFLOWS</b>		
Awards	1,025.00	2,343.22
Bank Charge	38.19	70.19
Biz Marketing	2,210.81	2,980.01
PayPal Network Fees	0.00	663.53
Postage and Delivery	0.00	26.00
Prof and Legal Fees	26.95	26.95
Promotional & Advertising Expense	60.00	3,175.32
<b>TOTAL OUTFLOWS</b>	<b>3,360.95</b>	<b>9,285.22</b>
<b>OVERALL TOTAL</b>	<b>15,717.18</b>	<b>66,826.45</b>



## Spending by Category - Last year

1/1/2015 through 12/31/2015



The “Biz Marketing” category refers to the costs of CWops buttons, banners, booth fees, and the like. Awards covers costs for medallions, plaques and sponsored plaques. Awards postage is included in the awards totals and is not included in the general Postage and Delivery category.

[Back to Contents](#)