



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

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Vice President: Peter Butler [W1UU](#)

Secretary: Jim Talens [N3JT](#)

Treasurer: Craig Thompson [K9CT](#)

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Editor/Publisher: Rick Tavan [N6XI](#)

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,

RickN6XI

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.

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

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 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](#)

How We Were – N3RS

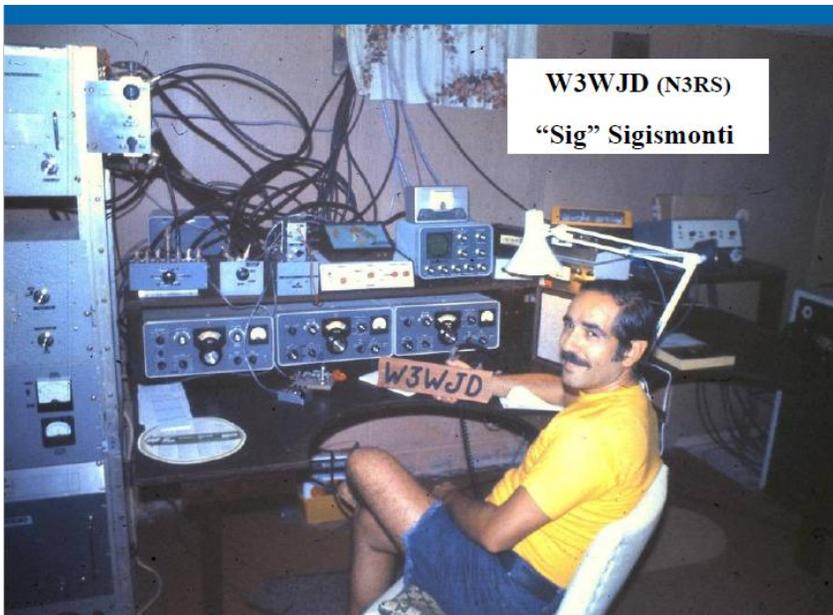
by [Hank Garretson W6SX](#)



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

[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	F5MNK	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	F5MNK	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	F5MNK	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		
F5MNK	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.

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 20th to 2400Z, Feb 21st**
<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 th
NCCC Sprint	0230Z-0300Z, Feb 26 th
NCCC Sprint	0230Z-0300Z, Mar 4 th
NCCC Sprint	0230Z-0300Z, Mar 11 th
NCCC Sprint	0230Z-0300Z, Mar 18 th
http://www.ncccsprint.com/rules.html	
NAQCC CW Sprint	0130Z-0330Z, Feb 19 th
NAQCC CW Sprint	0030Z-0230Z, Mar 17 th
www.naqcc.info/	
SKCC Weekend Sprintathon	1200Z, Feb 13 th to 2400Z, Feb 14 th
SKCC Sprint	0000Z-0200Z, Feb 24 th
SKCC Weekend Sprintathon	1200Z, Mar 12 th to 2400Z, Mar 13 th
SKCC Sprint	0000Z-0200Z, Mar 23 rd
http://www.skccgroup.com/operating_activities/weekday_sprint/	
FISTS Winter Unlimited Sprint	1700Z-2100Z, Feb 13 th
http://www.fistsna.org/	
New Hampshire QSO Party	1600Z, Feb 13 th to 0400Z, Feb 14 th and 1200Z-2200Z, Feb 14 th
http://www.w1wqm.org/nhqso/New Hampshire QSO Party Rules.pdf	
South Carolina QSO Party	1400Z, Feb 27 th to 0059Z, Feb 28 th
http://scqso.com/rules/	
North Carolina QSO Party	1500Z, Feb 28 th to 0059Z, Feb 29 th
http://rars.org/ncqsoparty/index.php?id=rules	
Oklahoma QSO Party	1400Z, Mar 12 th to 0200Z, Mar 13 th and 1400Z-2000Z, Mar 13 th
http://k5cm.com/okqp2016rules.pdf	
Idaho QSO Party	1900Z, Mar 12 th to 1900Z, Mar 13 th
http://idahoarri.info/qsoparty/rules.htm	
Wisconsin QSO Party	1800Z, Mar 13 th to 0100Z, Mar 14 th
http://www.warac.org/wqp/wqp.htm	
Louisiana QSO Party	1400Z, Mar 19 th to 0200Z, Mar 20 th
http://laqp.louisianacontestclub.org/laqso_rules.htm	
Virginia QSO Party	1400Z, Mar 19 th to 0200Z, Mar 20 th and 1200Z-2400Z, Mar 20 th
http://www.qsl.net/sterling/VA_QSO_Party/2016_VQP/2016_VQP_Rules.html	

2015 Financial Report

Cash Flow

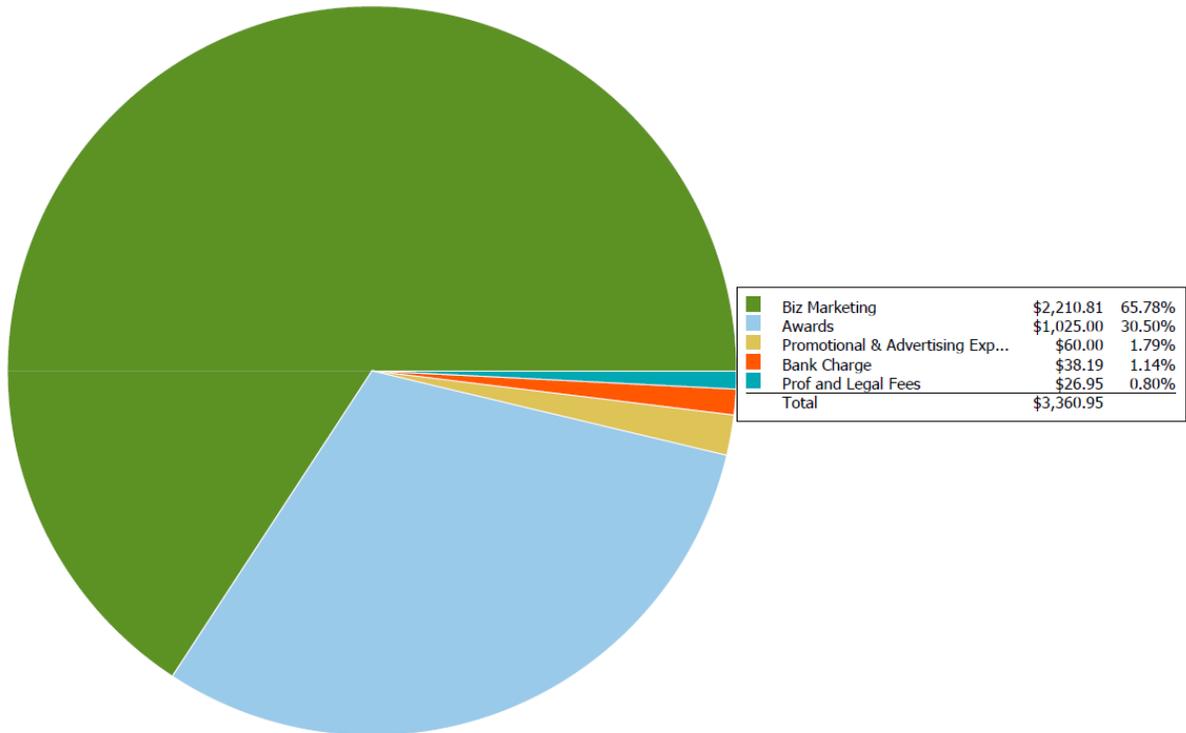
2015
1/1 to
12/31

Category	2015- /2015	OVERALL TOTAL
INFLOWS		
Club Dues	19,067.75	71,033.28
Interest Inc	10.38	78.39
Other Inc, Biz	0.00	5,000.00
TOTAL INFLOWS	19,078.13	76,111.67
OUTFLOWS		
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
TOTAL OUTFLOWS	3,360.95	9,285.22
OVERALL TOTAL	15,717.18	66,826.45



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](#)

-30-