

2010 ARRL RTTY Roundup Results

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“Good, better, best. Never let it rest. Until your good is better and your better is best.” Tim Duncan

A New Decade Arrives

January for digital radiosporting contestants means just one thing: RTTY Roundup! The RTTY contest tradition was upon us once again. After the 2009 “Triple Play” introduced many to RTTY contesting it was nice to see another modest gain in participation again this year for Roundup with 1,623 submitting logs. There were 564,443 QSO’s made during the contest and nearly 7,000 different calls were found in the logs. That’s an average of over 18,000 QSO’s per hour over the thirty-hour contest period. No wonder this is a rate contest!

Participation was up a little but scores were down. It was predicted that 15 meters would help with the band congestion. Well, 15 *was* open a bit but even though the A and K indexes were good the bands were just not at all what we had hoped for this year. Some described the conditions as being very “punk”. Very little Europe was worked from my location and overall conditions were significantly down from last year. The low bands were hopping until midnight local time in the Pacific and that helped a great deal with the scores. Stations that had a good 40 meter Yagi antenna had a big edge on multipliers this year. Low bands ruled!

2010 RTTY Roundup – Solar Indices				
Date	Hour	SF	A	K
2-Jan-2010	18	75	1	1
2-Jan-2010	21	78	0	0
3-Jan-2010	00	78	0	0
3-Jan-2010	03	78	0	0
3-Jan-2010	06	78	0	2
3-Jan-2010	09	78	0	2
3-Jan-2010	12	78	1	2
3-Jan-2010	15	78	0	2
3-Jan-2010	18	78	0	1
3-Jan-2010	21	76	4	0
4-Jan-2010	00	76	3	0

Special Performances

New World and US/VE records were established for Multioperator, Low Power by the team at NØNI. They eclipsed the previous World record by 38,046 by nearly 59,000 points for the new US/VE record. Their 210,500 points from 1707 QSOs and 125 multipliers will be a hard score to beat for quite a while.

Iowa must be where the tall scores grow! The record-setting MO-LP team – (left to right) is NØXR, NØAC and NØNI.



(Note that individual DX country records, Division and Section records are available in the full listing of RTTY Roundup Contest records on the ARRL Contest Branch Web page.)

Every year there seems to be a "Cinderella" entrant that makes some magic the entire RTTY community cheers about. I'm not sure that "Cinderella" is appropriate in this case - perhaps "venerable RTTY old-timer" is more descriptive. Joining the ranks of RTTY operators notching a Roundup victory is Mike K4GHM, this year's Rush Drake Memorial Trophy winner for Single Operator, High Power. Mike is no stranger to the winning circles in RTTY contests. Guys who were winning contests 20 years ago and who are still winning them are as Hal used to say, "like



old grizzly bear hunters," that is to say they are very rare and hard to find. Mike and his old friend Ed, W3EKT have been working RTTY contests since before even Hal and I started in RTTY. Ed won the 1991 Roundup at W3LPL. These guys both go back into the 70's in RTTY contesting. They were both in the 1974 SARTG contest results, which was one of the very early RTTY contests.

Does this look like the Cinderella entry to you? Mike K4GMH was the SO-HP winner this year.

Rookie of the year is Gary, AL9A who along with his packet connection entered his first Roundup and managed to secure the final spot in the Top 10 DX Multioperator, High power standings with his new Icom 7600 and his packet connection. Pretty impressive, placing from Alaska!

The first time out for Top 10 DX MO-HP entrant Gary, AL9A turned out to be the charm.

RTTY Radiosporting

Digital folks who contest seem to do so just for the fun of it. We remember the action and the new DX worked while forgetting the cramped shoulders, the carpal tunnel pain, and the family members who wanted us to do something else. With the



Roundup we attempted to try and equalize things for all entrants and that has worked fairly well. Hal, WA7EGA made me give you Friday night off to take the family out to dinner and a movie.

This year I did an experiment to realistically assess the minimum equipment necessary to have a good time in the RTTY Roundup. Having done it recently with a low 2-element quad, a couple of wires, and 1200 watts, I knew that was fun. This year it was my old Yaesu FT-1000D and an antique Butternut vertical with a NVIS 80 meter wire dipole. As this was just an experiment I listened for the first hour of the test to see what was on the bands. They sounded very flat with no European opening that I could hear. The radio was fired up about an hour into the contest. I moved higher on 20 meters until I couldn't hear any signals and put out a CQ at 14.140 MHz. Now that's plenty high up in the band but I wanted to be heard. I worked a few stations but nothing like the rate you would get with high power and a Yagi antenna.

Then I worked a couple of hours on 20 and averaged only about 30 QSOs per hour doing search and pounce and generating a few points for the local club score. Back at nearly 0300Z to check on the low bands, action there was hot and heavy. I needed to grab the close in multipliers, so I kept at it until my wife yelled that I was turning on the stove on 80 meters. Seems that the mismatch of my emergency services/MARS dipole was a bit too much for the electronic stove which is just above my basement shack!

So that was the end of the low bands and my little experiment. 15 meters was open just fine on Sunday. But RTTY contesting with this setup has now taught me a new acronym—NLA, “No Longer Available”. Working in a contest when it is raining and with a less than appropriate radial system led to a power shutdown of the Yaesu. You wouldn't think that 150 watts out would injure an old FT-1000D but it certainly did. The NLA parts that are no longer available are the matched pair of driver transistors for the FT-1000. The odd thing is that I just had parted

out an FT-1000 I bought for another problem and sold someone the entire RF deck and cheap! I guess Motorola doesn't make them anymore. Yaesu is evidently out of stock as well. So now the old rig is only good for QRP. Strange that there isn't more of an announcement when parts become no longer available. As my contesting buddy Hal used to say, "Gee, Jay, going to be smoking a new brand soon?" Time for a new radio!

There are a few items of interest before we look at the results. There is a basic premise of RTTY contesting and it is more important than large tall antennas and big amplifiers. It's called "read the rules." The first rule would be Roundup categories. There are two operator categories and two power levels. Low Power is no more than 150 watts output. High Power is more than 150 watts output up to the legal limit or 1500 watts PEP.

Single Operators can have only one signal at anytime and cannot use spotting assistance at all. These digital folks often use several radios and can be running on two bands but can't have two signals on the air at the same time nor can they use packet.

The Multioperator category can use spotting and has a six band changes per clock hour rule. So this category can be made up of teams. But it can also be a Single Operator using packet spotting. A change from 20 to 15 and then back to 20 is two band changes. So in the results you will find teams doing Multioperator or you might find stations like me who were utilizing packet spotting assistance. Both have the band change rule.

There is no QRP category and there is no Single Operator Assisted category. This was all done by design by the contest creators. In fact there was only one category when Hal and I put the Roundup together - Single Operator, Low Power - but the sponsors added High Power and the Multioperator categories prior to the Roundup's debut.

Note that the contest tends to move the area it favors around the country and the world during the course of the solar cycle due to all of these factors. It favors the East Coast for a while and then moves to the 4's and 5's, finally ending up on the West Coast. You can see some of these changes starting to occur now that the solar cycle is beginning to start an upward trend again.

American and Canadian Highlights

RTTY Roundup is fairly unique as you can watch the standings in the Top 10 tables and see where the propagation is headed. Winners in the US and Canada move around during the sunspot cycle. This was a year when the hardest working operator got the bacon. Many stations in the Northeast had very few 15 meter contacts. Fifteen meters was a fairly good band out west.

It was also a bit of an unusual year as there were some impressive hours that didn't occur at the start of the contest. Rates peaked at 0600Z when the low bands were in full force for many operators. Sunday the 1600Z to 1900Z period was hot on two bands for many which was a good change. Bill, ND9E reported that he had his longest run in any RTTY contest of over seven hours. Randy, K5ZD had his peak hour ever of 123.

Multioperator stations saw some of the super stations join the ranks of the contest in a very spectacular and special way. Having up to 20 towers and multiple stacks certainly can help a lot when conditions aren't very special and the Little Gun will no doubt be impressed.

Single Operator, High Power

This year Mike, K4GMH took home the trophy. Change that is ever-present in the Roundup was apparent this year and it was fairly classic: East vs. West and rate vs. multipliers. The winner in this small battle was determined by both propagation and by strategy.

West Coast vs. East Coast Comparison			
N6WM at N6RO		K1FWE	
Band	QSO	Band	QSO
80	317	80	384
40	490	40	478
20	893	20	868
15	421	15	80
	2121		1810

We saw some impressive scores by the High Power group. West Coast guys Chris, N6WM in second and Jeff, WK6I in fourth bracketed John, K1FWE. Ralph, KØIR was just off the pace a little bit and finished out the top five. Wayne, N2WK represented the East Coast. Dave, K6LL who seemed to have no problems from Arizona, was seventh. The sunspots didn't favor Texas but probably will next year. Texas was well represented with Jim, W5AP and Susan, K5DU. George, ABØRX went Single Operator from the Black Hole at tenth place.

Top 10 W/VE Single Operator, High Power	
K4GMH	245,754
N6WM	228,573
K1FWE	225,036
WK6I	223,008
KØIR	196,000
N2WK	191,643
K6LL	183,168
K5DU	181,048
W5AP	179,064
ABØRX	170,610

It's not all about just the Top Ten boxes in this event. Most RTTY radiosporting guys and gals also take pride in their finish in Division and Section races. The top ten operators often win some of these races, as well, but not all of them.

Division W/VE Single Operator, High Power		
Midwest	ABØRX	170,610
Southeastern	N4BP	165,571
Rocky Mountain	WA5ZUP	170,128
Roanoke	K4GMH	245,754
Pacific	N6WM	228,573
Northwestern	KR7X	146,110
New England	K1FWE	225,036
Hudson	W2V (KA2D)	90,678
Great Lakes	W8JWN	100,430
Delta	AB4GG	139,260
Dakota	KØIR	196,000
Central	AI9T	170,355
Southwestern	K6LL	183,168
Atlantic	N2WK	191,643
West Gulf	K5DU	181,048
Canada	VE2SB	112,840

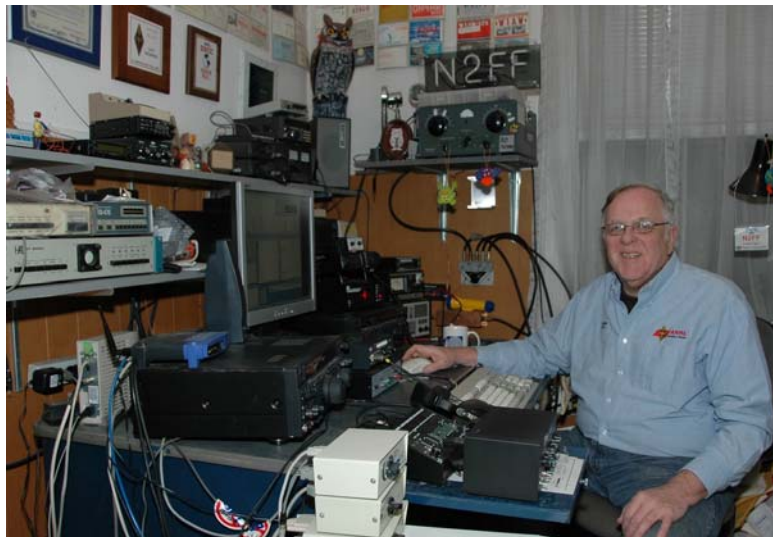
Single Operator, Low Power

Other than last year, this category is very stable with many of the same calls appearing in much the same order year after year. Don, AA5AU was back to his usual place at number one and had this to say about this year's event, "The Roundup without 10 meters and a fully open 15 meters is really starting to be a drag, It seems we've been playing this same strategy too many years in a row." Don related that it was just hard work and that his only fun was the large runs on 40 meters. He had one run of nearly nine hours.

Frank N2FF related that his log had more QSOs on both 80 and 40 meters than he did on 20 meters. This indicated to him that this Roundup had tough times for the Low Power guys. This was especially true for those operators without a 40 meter Yagi.

Tom N4KG made the interesting observation that running RTTY pileups is a lot more fun than being in a RTTY pileup during the Roundup. This year there were some great runs by both High and Low Power stations.

Frank N2FF found more QSOs on the low bands than 20 meters this year.



Top Ten W/VE Single Operator, Low Power	
AA5AU	198,592
N9CK	173,635
N2QT	157,599
KA4RRU	146,853
W3LL	134,931
VA2UP	132,354
KC4HW	130,758
KB7Q	123,986
KE5OG	103,323
KØAD	101,952

W/VE Division Single Operator, Low Power		
Pacific	N6OJ	83,349
Atlantic	W3LL	134,931
Southwestern	W6FFH	24,064
Southeastern	KC4HW	130,758
Roanoke	N2QT	157,599
West Gulf	KE5OG	103,323
Northwestern	KB7Q	123,986
New England	W1BYH	59,572
Midwest	NTØF	67,344
Hudson	K2DSL	63,336
Great Lakes	K8AJS	65,586
Delta	AA5AU	198,592
Dakota	KØAD	101,952
Central	N9CK	173,635
Canada	VA2UP	132,354
Rocky Mountain	WA7YAZ	47,502

Multioperator, High Power

A team in Multioperator, Single Transmitter RTTY has some notable distinctions when compared to either CW or SSB. The RTTY operators are not isolated by the intense concentration required in CW or by the live microphone in SSB. Nothing prevents operators from yelling, cheering and even arguing strategy just like in any other team sport. RTTY is a lot of fun doing it with a friend or with a group of guys and gals from the radio club. In Roundup we miss out on some of this as the multipliers aren't nearly as important and the multiplier bell isn't rung as often.

You can still use two rigs in Multi-Single to your advantage as you should be able to work three multipliers an hour by switching from run station to multiplier station and back. Most likely, a better method would be in-band mapping by the second radio and then switching for a longer period of multipliers plus needed stations.

From the West Gulf Division came the contest winner in Multi-Single, High Power - NR5M. They took on WØSD who finished second and won the Dakota Division. It took a new W/VE world record for the NR5M crew to edge out WØSD who had their all-time best score and set a

new record for the Roundup. Running the K1TTT station was the K1SFA team who piloted it to a third-place finish this year. Those are some high power stations at the top of the High Power standings.

It is interesting to look at the differences in Single Operator, High Power and the Multioperator, High Power Top Tens. Considering that the Single Operator stations are for the most part using SO2R and the Multioperator stations are limited to six band changes per hour, it's interesting to note that there is only a small difference in the final score. The Single Operators work greater rate but end up with fewer multipliers. No doubt that packet plays a big role, along with a real team tuning for the rare ones on a second radio.

Top 10 W/VE Multioperator, High Power	
NR5M	243,144
WØSD	204,740
K1SFA	195,822
WW4LL	180,999
ND2T	160,339
W4RM	158,848
WB9Z	156,366
KN5O	147,340
K4QD	143,298
W6YX	141,934

Division W/VE Multioperator, High Power		
New England	K1SFA	195,822
Southwestern	NO7T	11,229
Southeastern	WW4LL	180,999
Rocky Mountain	WT9Q	90,440
Roanoke	W4RM	158,848
Pacific	ND2T	160,339
Northwestern	K7BTW	137,830
Midwest	KSØAA	39,974
Hudson	NO2T	59,076
Great Lakes	W7PP	81,738
Delta	KN5O	147,340
Dakota	WØSD	204,740
Central	WB9Z	156,366
Atlantic	K3MD	106,476
West Gulf	NR5M	243,144
Canada	VA3DX	114,204

Multioperator, Low Power

Just like the Single Operator, Low Power category this year's races were not well contested. The NØNI team of NØNI, NØAC, and NØXR eclipsed the old records. The team at N5ZM was not able to complete with the antenna farm that exists in the Midwest. Earl did set some new personal goals but dropped back one place from first this year.

Top 10 W/VE Multioperator, Low Power	
NØNI	210,500
N5ZM	147,120
K9NR	116,584
WD4LBR	92,597
N3XLS	78,652
N9LAH	69,978
N8LRG	68,860
KFØUR	63,750
VA7RY	51,294
W1SLF	49,495

Division W/VE Multioperator, Low Power		
Pacific	KE6QR	26,599
Atlantic	N3XLS	78,652
Southwestern	N7AT (K8IA, op)	49,324
Southeastern	KJ4UNA	40,419
Roanoke	WD4LBR	92,597
West Gulf	WB5TUF	38,766
Northwestern	WS7I	26,980
New England	W1SLF	49,495
Midwest	NØNI	210,500
Hudson	K2PAL	20,650
Great Lakes	N8LRG	68,860
Delta	N5ZM	147,120
Dakota	WGØM	15,162
Central	K9NR	116,584
Canada	VA7RY	51,294
Rocky Mountain	KFØUR	63,750

W/VE Records

Setting goals by most operators in Roundup usually starts with an eye toward a new personal best. Stations then look for the Worked All States as that is usually one that everyone goes after. Then there are the Section Records, Division Records and All-Time Category Records. This year we had one new World Record by NØNI. They also set a new W/VE record along with the Multioperator, High Power station of NR5M.

New W/VE Records					
Sect	Category	Station	Score	QSOs	Mults
IA	MSLP	NØNI	210500	1707	125
STX	MSHP	NR5M	243144	1890	132

We had 12 new Division Records set in 2010.

New Division and Canadian Records						
Division	Sect	Cat	Station	Score	QSOs	Mults
Canada	QC	SOLP	VA2UP	132354	1178	114
Dakota	MN	SOHP	KØIR	196000	1587	125
Dakota	SD	MSHP	WØSD	204740	1788	116
Delta	LA	MSHP	KN5O	147340	1410	106
Midwest	IA	MSLP	NØNI	210500	1707	125
Northwestern	MT	SOLP	KB7Q	123986	1331	94
Pacific	EB	SOHP	N6WM	228573	2121	109
Rocky Mountain	NM	SOHP	WA5ZUP	170128	1748	98
Southeastern	GA	MSHP	WW4LL	180999	1541	119
Southwestern	AZ	SOHP	K6LL	183168	1746	106
West Gulf	STX	MSHP	NR5M	243144	1890	132

There were many new Section Records set. 42 stations put up a new benchmark for people to shoot for next time.

New Section Records					
Sect	Cat	Station	Score	QSOs	Mults
CT	MSHP	W1AN	65600	665	100
EMA	MSLP	KE1V	23864	319	76
EMA	MSHP	W1MAT	125545	1068	119
ME	MSLP	W1SLF	49495	533	95
NH	SOHP	K1FWE	225036	1810	126
VT	SOHP	WE1H	101232	930	111
VT	MSLP	KB1OQH	7300	155	50
WMA	MSHP	K1SFA	195822	1534	129
NLI	MSLP	K2PAL	20650	364	59
WNY	SOHP	N2WK	191643	1530	127
EPA	SOLP	WØBR	98304	1035	96
MDC	SOLP	W3LL	134931	1112	123
AL	MSLP	KJ4UNA	40419	502	81
GA	MSHP	WW4LL	180999	1541	119
SFA	SOHP	N4BP	165571	1526	109
TN	MSHP	KJ4EEW	115995	1058	111
LA	MSHP	KN5O	147340	1410	106
NM	SOHP	WA5ZUP	170128	1748	98
STX	MSHP	NR5M	243144	1890	132
WTX	SOHP	W5AJ	90132	1042	87
EB	SOHP	N6WM	228573	2121	109
ORG	SOHP	W6WRT	147981	1399	107
SCV	MSHP	ND2T	160339	1486	109
SF	SOHP	N6IE	12955	1205	95
SJV	SOHP	WK6I	223008	2219	101
AZ	SOHP	K6LL	183168	1746	106
AZ	MSLP	N7AT	49324	656	76
MT	SOLP	KB7Q	123986	1331	94
OR	MSHP	NK7U	113500	1154	100
UT	SOLP	WA7YAZ	47502	623	78
UT	MSLP	KJ7NO	33215	459	73
WWA	SOLP	NN7SS (K6UFO,op.)	89356	1009	89
WY	SOHP	WY7FD	148400	1498	100
IL	MSLP	K9NR	116584	1001	118
IN	SOHP	W9IU	102292	978	107
IA	MSLP	NØNI	210500	1707	125
MN	SOHP	KØIR	196000	1587	125
SD	MSHP	WØSD	204740	1788	116
QC	SOLP	VA2UP	132354	1178	114
SK	MSHP	VE5MX	70748	775	92
AB	MSHP	VE6AO	111964	1247	92
NWT	SOLP	N6QEK/VY1(N6QEK,op.)	23180	393	61

The Top QSOs Table saw six of our stations work into the All-Time Top Ten.

New Top W/VE QSO Totals				
Cat	Station	Score	QSOs	Mults
SOHP	WK6I	223008	2219	101
SOHP	N6WM	228573	2121	109
MSLP	NØNI	210500	1707	125
MSLP	N5ZM	147120	1231	120
MSHP	NR5M	243144	1890	132
MSHP	WØSD	204740	1788	116

The Multioperator super stations set three new Multiplier records in 2010.

New Top W/VE Multiplier Totals				
Category	Station	Score	QSOs	Mults
MSLP	NØNI	210500	1707	125
MSHP	NR5M	243144	1890	132
MSHP	K1SFA	195822	1534	129

DX Overview

On the DX side of Roundup in the Single Operator, High Power category it was Ed WØYK as P49X again leading the pack into the clubhouse. Ed notched his fifth victory in a row as the top Single Operator, High Power winner. To unseat Ed it is going to take a location that has all-band propagation to both the U.S. and Europe – maybe an HC8 entry or someone in nearby PJ2. Maybe Val RD3AF will make a trip to his Canary Island site. Val won for Europe while setting a new all-time European record and still finished second to Ed.

Serge, UT5UDX traveled to Paul, G6PZ's QTH, finding the new four-square antenna gangbusters on 80 meters. Brad, WP2B won the Caribbean and set the new all-time North American record for DX. Back to Europe where the IQ2CJ station with Luca, IK2NCJ operating completed the first five places. From Hawaii in the Pacific it was Massimo, KH6ZM in sixth. Another European entry, PI4DX with Eric, PD1DX operating, was next. Mario, IK1HXN piloted IQ1RY for eighth. Hector, XE2K put Mexico on the map again this year and found the new locals with plasma TVs. It seems that those new TVs are causing us some pain, but Hector still set a brand new Mexican record. Finishing out the top ten was Ukrainian station US5I put on the air by Vlad, US5IQ. DP1POL with DL5XL operating set the new Antarctica record.

This was an interesting year with the top finishers from South America, then over to Europe for a couple of places, back to the Caribbean, and another southern European. Then out in the Pacific to Hawaii, back for a couple of more Europeans and then on to Mexico in North America. Truly this contest seems to work for DX stations around the globe.

Top 10 DX Single Operator, High Power	
P49X (WØYK, op)	358,360
RD3AF	209,616
G6PZ (UT5UDX, op)	198,924
WP2B	167,580
IQ2CJ (IK2NCJ, op)	149,193
KH6ZM	137,740
PI4DX (PD1DX, op)	134,463
IQ1RY (IK1HXN, op)	134,351
XE2K	131,412
US5I (US5IQ, op)	123,264

Single Operator, Low Power DX was lead again this year by Ted, HI3TEJ and closely followed up by our 2008 special salute winner Sue, AI6YL. She was running her P4ØYL station. Mohamed dropped a spot this year as CN8KD was third. Fourth was secured by Derek, J39PS.



Sue, P4ØYL placed second in the SO-LP category this year from Aruba.

Then came the Europeans with Anatoly, EU8RZ moving way up from 2009. ED7AJR operated by Manuel EA7AJR was next. Wim, ON4BHQ couldn't hold a run frequency so he did a lot of search and pounce. Andrzej, SP8NR broke into this year's winners circle. Lee GØMTN with his Force 12 was in ninth place with Bob, UT1IA rounding out the pack.

Top 10 DX Single Operator, Low Power	
HI3TEJ	170,235
P4ØYL	161,998
CN8KD	124,526
J39BS	93,840
EU8RZ	69,579
ED7AJR (EA7AJR, op)	68,701
ON4BHQ	64,365
SP8NR	63,552
GØMTN	61,570
UT1IA	53,792

DX Multioperator, High Power is where the Europeans dominate year after year. Check out Daniel, OK1DIG's station OL6X (contestclubfinland.com/CCF/OK1DIG_Riga2010.pdf) and you'll see why. Most in this group are Single Operators using packet assistance.

Daniel beat out last year's winner, S53M piloted by Miha, S51FB. Daniel set a new all-time European Record while securing the top all-time multiplier record as well. YL5T with Norm, YL3DQ using his contest call was in third place. Team UZ2I secured the fourth spot in the top ten. The Wales team of the Denzil Contest Group, MW2I finished up the top five.

The second tier of this category was led by LZ8E with Boyan, LZ2BE operating in sixth place. OK3C using his contest call was Ludek, OK3ZC seventh. Theo, ON4ATW secured the eighth spot. Pasi, OH2MZB was the last of the Europeans. Our rookie Gary, AL9A from the tough spot of Alaska was in tenth place.

Top 10 DX Multioperator, High Power	
OL6X (OK1DIG, op)	188,328
S53M (S51FB, op)	155,776
YL5T (YL3DQ, op)	118,236
UZ2I	114,852
MW2I	104,868
LZ8E (LZ2BE, op)	97,114
OK3C	64,872
ON4ATW	59,584
OH2MZB	54,810
AL9A	53,452

DX Multioperator, Low Power was won by ZX2B operated by Wanderly, PY2MNL moving up from his 2009 third-place finish. Ron and his guys at KP2D were second. RK3MWI was third. Nasko, LZ9R and packet completed the top four. The IW1QN team was fifth. Mircea, YO5CBX followed by YT4RA, UT8EL, IKØCHU, and EA2RY completed the top ten.

Top 10 DX Multioperator, Low Power	
ZX2B	119,886
KP2D	82,863
RK3MWI	77,126
LZ9R	56,846
IW1QN	51,308
YO5CBX	41,440
YT4RA	38,376
UT8EL	36,432
IKØCHU	33,360
EA2RY	31,898

DX Records

There were five new continental records set this year in the DX division. Most of these scores were quite nice considering the lack of propagation from Europe to US/VE on 15 meters that we had hoped for.

New Continental Records					
Continent	Cat	Station	Score	QSOs	Mults
Antarctica	SOHP	DP1POL (DL5XL, op.)	19278	240	81
Europe	SOHP	RD3AF	209616	1603	132
Europe	MSHP	OL6X	188328	1434	133
N. America	SOHP	WP2B	167580	1611	105
S. America	MSLP	ZX2B	119886	1147	106

Even with the weak conditions, due to the hard work of the SO2R guys there were five new members in the Top DX QSO Totals records. Most came from South America. QSO numbers were down 6% or more this year for the SO2R guys.

New Top DX QSO Totals				
Category	Station	Score	QSOs	Mults
SOLP	P4ØYL	161998	1538	107
SOLP	HI3TEJ	170235	1483	117
SOHP	P49X (WØYK, op.)	358360	2931	124
MSLP	ZX2B	119886	1147	106
MSHP	OL6X	188328	1434	133

Two of the same stations that had QSO records joined in having new all-time multiplier records this year.

New Top DX Multiplier Totals				
Category	Station	Score	QSOs	Mults
SOHP	PI4DX (PD1DX, op.)	134463	1036	133
MSLP	ZX2B	119886	1147	106
MSHP	OL6X	188328	1434	133

2010 brought 39 new entity or country records to the RTTY Roundup. These were from nearly all continents of the world and show the growing popularity on the DX side of the contest.

New DX Entity Records					
Entity	Category	Station	Score	QSOs	Mults
Tunisia	SOLP	3V8SS	31936	503	64
South Africa	SOHP	ZS2EZ	39150	438	90
Antarctica	SOHP	DP1POL (DL5XL, op.)	19278	240	81
China	MSLP	BD4SP	3782	122	31
Thailand	SOLP	E21YDP	24522	409	61
Asiatic Russia	SOHP	RK9AX	70720	844	85
	MSLP	RV9MN	2697	97	29
Spain	SOLP	ED7AJR (EA7AJR, op.)	68701	681	103
	MSHP	EA1AP	42364	487	89
Moldova	MSLP	ER3DX	3080	70	44
Estonia	SOHP	ES2DJ	154	16	11
	MSLP	ES5TF	11520	198	60
England	SOHP	G6PZ (UT5UDX, op.)	198924	1674	121
Scotland	SOHP	GMØFGI	50132	611	83
Hungary	SOHP	HA1YI	77812	804	98
	MSHP	HA1DAE	44616	512	88
Italy	SOHP	IQ2CJ (IK2NCJ, op.)	149193	1258	121
Sardinia	SOLP	ISØLFZ	15309	245	63
Finland	MSLP	OH8KA	8190	183	45
	MSHP	OH2MZB	54810	637	87
Czech Republic	SOHP	OK8YD	106893	973	111
	MSHP	OL6X	188328	1434	133
Netherlands	SOLP	PA3DBS	40338	492	83
	SOHP	PI4DX (PD1DX, op.)	134463	1036	133
	MSHP	PA5KT	16425	221	75
Greece	MSHP	SV1DPI	45984	481	96
Iceland	SOHP	TF3AM	76146	785	98
Eu Russia	SOHP	RD3AF	209616	1603	132
	MSLP	RK3MWI	77126	799	98
Latvia	MSHP	YL5T	118236	1004	118
Romania	MSLP	YO5CBX	41440	528	80
	MSHP	YO5BBO	20405	401	53
Macedonia	MSLP	Z35X	1540	70	22
Grenada	SOLP	J39BS	93840	1027	92
US VI	SOHP	WP2B	167580	1611	105
Mexico	SOHP	XE2K	131412	1413	94
Uruguay	MSHP	CX7TT	35696	393	92
Aruba	SOLP	P4ØYL	161998	1538	107
Brazil	MSLP	ZX2B	119886	1147	106

Sponsored Plaques

We have a number of very special plaques for some of the founders and early supporters of the RTTY Roundup as well as plaques honoring some of our esteemed radiosporting friends, many of whom have passed. Plaques that are not sponsored may be purchased by the winner from HQ. We are starting to see a nice increase in our clubs picking up some of the plaques. As you listen to the diddles in your ears and mind after a contest think about picking up one of the plaques for next year.

2010 RTTY Roundup Plaques		
Plaque Category	Winner	Plaque Sponsor
W/VE Single Operator High Power - W7RM Award	K4GMH	Spokane DX Association
W/VE Single Operator Low Power - NM7M Memorial	AA5AU	Jim Reisert, AD1C
W/VE Multioperator High Power	NR5M	John Lockhart, WØDC
DX Single Operator High Power	P49X (WØYK)	Gary Belcher, KH6GMP
Atlantic Division Single Operator High Power	N2WK	Orleans County Amateur Radio Club
Delta Division Single Operator High Power	AB4GG	Roland Guidry, NA5Q
Great Lakes Division Single Operator High Power	W8JWN	Southwest Ohio DX Association
Pacific Division Single Operator High Power	N6WM	Northern California Contest C
Dakota Division Single Operator Low Power	KØAD	W2JGR Memorial by Don Hill, AA5AU
Hudson Division Single Operator Low Power	K2DSL	Troy Amateur Radio Association N2TY
Midwest Division Single Operator Low Power	NTØF	In Memoriam of Larry Lindblom, WØETC, by Bob Ruvolo, KI6DY
New England Division Single Operator Low Power	W1BYH	CTRI Contest Group
Pacific Division Single Operator Low Power	N6OJ	Doug Faunt, N6TQS
Roanoke Division Single Operator Low Power	N2QT	Mike Sims, K4GMH
Southeastern Division Single Operator Low Power	KC4HW	Alabama Contest Group
New England Division Multioperator High Power	K1SFA	Cuzco Contest Club, WK1Q
Roanoke Division Multioperator Low Power	WD4LBR	Dominion DX Group, K4VAC

Affiliated Club Competition

One of the significant changes in Roundup over time has been the impact of the club action on strategy in parts of the country. The NCCC has so many stations on that W7WHY reported 40 and 80 meters sounding like the CQP contest. One of the things I noticed in the experiment was that having a vertical sure let me work a lot more of those guys without moving the rotator. There were a total of 45 clubs entered in the Club Competition this year.

Drawing on their vast resources, the **Northern California Contest Club (NCCC)** was the only club able to get enough logs to enter the Unlimited Club category. The **Potomac Valley Radio Club (PVRC)** took top honors in the Medium Club category, narrowly beating the Minnesota Wireless Association (MWA). The Society of Midwest Contesters (SMC) made it to third place this year. The Local club competition was won by the **Orleans County Amateur Radio Club**.

2010 Club Table			
Club Name	Number of Logs	Score	Class
Northern California Contest Club	60	2502251	U
Potomac Valley Radio Club	40	1813567	M
Minnesota Wireless Assn	41	1726312	M
Society of Midwest Contesters	31	1463612	M
Yankee Clipper Contest Club	27	1365170	M
Tennessee Contest Group	29	1067347	M
Florida Contest Group	20	809574	M
Contest Club Ontario	20	767150	M
Frankford Radio Club	15	619152	M
Arizona Outlaws Contest Club	17	844099	M
Alabama Contest Group	13	620322	M
Grand Mesa Contesters of Colorado	12	571577	M
Willamette Valley DX Club	11	494490	M
CTRI Contest Group	11	477592	M
Central Texas DX and Contest Club	4	463987	M
Western Washington DX Club	8	407030	M
Louisiana Contest Club	3	376050	M
Contest Group Du Quebec	7	322190	M
Mad River Radio Club	10	281218	M
Order of Boiled Owls of New York	10	272449	M
BC DX Club	4	187235	M
Kentucky Contest Group	8	180874	M
Oklahoma DX Assn	6	161231	M
Southern California Contest Club	7	153951	M
Hudson Valley Contesters and DXers	6	130563	M
Rochester (NY) DX Assn	7	126818	M
Texas DX Society	4	106258	M
North Coast Contesters	3	90393	M
Saskatchewan Contest Club	3	86497	M
Western New York DX Assn	3	86335	M
South East Contest Club	4	72264	M
Carolina DX Assn	6	68610	M
Orleans County Amateur Radio Club	6	449103	L
Dominion DX Group	6	365692	L
Metro DX Club	7	217915	L
Southwest Ohio DX Assn	3	183450	L
Spokane DX Association	5	149910	L
Bergen ARA	3	147759	L
Midland ARC	3	141778	L
Maritime Contest Club	5	140237	L
Kansas City DX Club	3	114193	L
Sterling Park ARC	3	52476	L
Delaware-Lehigh ARC	4	50174	L
Nanaimo Amateur Radio Association	3	34714	L
Great South Bay ARC	4	29653	L

Looking ahead to Next Year

"I love the smell of transformer in the morning...That smell--it smells like...VICTORY." N2EIK

Predicting solar cycles is sort of fun. Look for some 10 meter action next year - probably mostly to South America but there might be some other openings. 15 meters will be back in full force, so rates will increase along with participation. The 3,000-QSO barrier is still there but with 15 back and perhaps some action on 10 it might go in 2011. Perhaps we will see several more of the super stations show up in the battle next year - they add quite a lot to our fun. January 8-9, 2011 will be the next running of the RTTY Roundup

Acknowledgments

Many thanks to Ken, K1EA for his labor in checking the logs again this year. A tip of the hat to Ken, WM5R who always does the data work on my records. Seems the format always changes and he does a great job every year for us on short notice. I appreciate the entire ARRL support staff as well.