



# ARRL RTTY Roundup 2015 Results

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*Smack dab in deepest darkest winter, RTTY Roundup brought all aspects of weather straight to the fore.*

Everyone likes to talk about the weather. With hams it is doubly so, since we've got both solar weather and terrestrial weather to talk about, try to anticipate, and sometimes suffer through during the weekend of January 3rd and 4th. For many hams across North America, keeping antennas in the air and working put the focus on the terrestrial weather. While some dealt with snow drifts, icy buildup on antennas, and freezing rain, others out west might have secretly wished for some of that wet stuff to be deposited in depleted reservoirs.

2015 also saw a power shift - not a shift from east to west or anything like that - but specifically from high power to low power and even QRP as shown in Table 1. While Unlimited entries remained almost perfectly flat, the Single-Op, Low Power category showed the biggest increase with a corresponding decrease on the High Power side. With the further proliferation of top-quality QRP rigs - and the necessities of stealthier or portable operation - more ops are discovering that maybe life isn't too short for low-power RTTY after all. (Want to see QRP categories in the Roundup? Write your ARRL Director!)

**Table 1 - 2013 versus 2014 Category Entries**

Category	2014	2015
SOLP	843	921
SOULP	225	229
SOHP	331	296
SOUHP	254	258
MSLP	29	28
MSHP	40	48
Total entries	1722	1780

Taking a peek at Table 2, it's also interesting to note that while overall participation rebounded this year compared with last year, the total number of logged QSOs was down, with the big 35% increase in 10 meter QSOs not enough to offset the drops on the other bands, especially 20 meters and 80 meters.

**Table 2 – Yearly QSO Totals by Band**

Band	2013	2014	2015
80	79,226	76,006	67,015
40	161,081	131,653	125,537
20	200,106	169,502	145,994
15	174,985	175,681	160,868
10	42,671	70,580	95,436
Total QSOs	658,523	623,422	595,971

## New Records

Several records bit the dust this year, with three world records falling by the wayside. The high-water mark in SOHP was bumped up again by P49X (Ed, WØYK op.) to a massive 468,720 points. Even still, Ed noted in his soapbox that he feels "4000 QSOs and 500K points is achievable by a single-op." I think we will see that soon!

As one might expect for categories that are only in their second year, many Single-Op Unlimited (SOU) records tumbled. AA5AU crushed the world record set last year by N2QT with an impressive 280,704 points in SOULP. And KI1G obliterated VE7CC's world mark with 357,576 points in SOUHP.



*How cool indeed to operate the Roundup from Roundup, Montana, the home of Keith, K7KAR? (Photo courtesy of Keith Regli, K7KAR)*

For W/VE stations, 21 division and 75 section records were reset in 2015. And yet, there are still 42 section records still unclaimed! On the DX side, 6 new continental records were established — from the aforementioned P49X record in South America, all the way down to DU3/KL7IWC's new SOULP high mark of 2,340 points in Oceania.

## New Japanese RTTY Bands!

The new year brought welcome news of the expansion of the Japanese RTTY subbands (see the table). Unfortunately - in a perverse twist of fate - for the participants in this year's Roundup, the changes took effect immediately after the contest! So take good note of this chart for the 2016 RTTY Roundup - and any other DX RTTY contests in which you participate. You'll see that the subbands now constitute a pretty significant subset of the subbands available to W/VE ops, especially on 80 meters and 40 meters. (Thanks to Hisami-san 7L4IOU for the update!)

### New Japanese RTTY Subbands

<b>Band</b>	<b>RTTY Subband</b>
160	1907.5-1912.5 kHz
80	3520-3575 kHz
40	7030-7100 kHz
30	10130-10150 kHz
20	14070-14150 kHz
17	18090-18120 kHz*
15	21070-21150 kHz
12	24910-24940 kHz**
10	28070-28200 kHz

\* US upper limit is 18110 kHz.

\*\* US upper limit is 24930 kHz.

## The Centennial Effect

The ARRL's year-long Centennial QSO Party in 2014 brought hundreds, if not thousands, of operators onto the bands who had little experience in pileups from either end and who tried new modes and techniques for the first time. Will the interest last? *"This was my first-ever ARRL contest. I would not have attempted it if it had not been for the opportunities Centennial operations gave me, where I learned how to operate RTTY, and where I gained confidence with operating in a contest-like environment. Thanks to all the excellent operators I worked, and to the organizers of this very enjoyable event...KI8JY"* Welcome to all of the operators with a new-found interest in contest-style operating excitement. It's fun, isn't it?

## Top Ten by Category – US and Canada

### Single Operator, Low Power

N9CK	192,120
NØAT	165,060
KØTI	161,117
KA4RRU	148,542
KØAD	134,805
VA2UP	130,624
NTØF	127,428
AD5XD	112,763
KC4HW	101,376
KD9MS	99,170

### Single Operator, High Power

NN1SS	314,370
AA3B	292,863
W7RN (WK6I, op)	278,168
ACØC	232,764
K6LL	226,692
K8IA	226,395
K1RO	214,080
W7RY	210,041
AI9T	209,125
ABØRX	207,536

### Single Operator Unlimited, Low Power

AA5AU	280,704
N2QT	204,229
WB5TUF	173,118
KB7Q (@WA7U)	170,362
N2MM	112,668
VE3KI	112,530
W3FIZ	107,576
AA2MF/4	87,451
AB4SF	83,930
W9ILY	83,895

### Single Operator Unlimited, High Power

K1G	357,576
W1SRD	269,568
WØLSD	253,150
VE7CC	222,300
K9OM	209,560
N1QD (@K1KP)	191,490
W3LL	190,336
W4PK	167,101
W7ZR	148,824
N3QE	140,774

### Multioperator, Low Power

K9NR	128,810
AA8R	123,308
N4LR (@K9XD)	112,080
K7OX	72,261
W4DTB	69,112
KOØZ	62,604
KIØI	61,971
W4BNO	50,149
VA7RY	46,512
WØFRC	45,630

*Multioperator, High Power*

NR5M	272,718
NØNI	244,094
WØSD	234,720
WW4LL	202,752
N7TR	182,484
W4RM	164,052
W4ML	156,252
WY7SS	151,700
K6ND	148,562
KIØF	139,847

*Multioperator, High Power*

EI7M	200,298
OL7M	162,500
S53S	158,424
IQ1RY	137,940
SZ1A	125,874
EA2RCF	82,784
UT7E	71,568
SV3QUP	69,696
EA1AP	66,608
EA2WT	58,674

**Top Ten Scores - DX**

*Single Operator, Low Power*

WP3C	166,980
OQ6A (ON5MF, op)	94,464
F5BEG	94,328
TG9ANF	83,955
GWØA	75,558
EA4TD	67,907
UT5EPP	63,258
F6HRP	57,624
YV5AAX	53,156
EI3GRB	51,772

*Single Operator, High Power*

P49X (WØYK, op)	468,720
9A5W	155,154
EMØI (UT2IZ, op)	154,920
OL8M	147,160
UR7GO	138,564
LY6A	121,794
SQ9UM	114,608
DL3BQA	88,332
RW6CR	87,122
IK4GNI	70,266

*Single Operator Unlimited, Low Power*

YV1KK	128,594
VP9/K4KGG	111,333
UZ2HZ	71,905
IW3RUA	65,184
IK3TPP	61,206
GMØFGI	55,348
UTØNN	54,960
DF2F (DF2SD, op)	52,650
S56A	51,300
HP2AT	43,700

*Single Operator Unlimited, High Power*

SN7Q	180,687
PZ5RA	138,820
PI4DX (PD1DX, op)	127,794
OH2HAN	122,250
IZ4AFW	100,656
LZ6K (LZ2PL, op)	94,550
EA5KA	92,463
S53M (S51FB, op)	88,638
OH2MZB	76,194
GW4BLE	74,336

*Multioperator, Low Power*

UX4E	39,263
OK2RVM	30,351
LU2EE	11,526
JM1NKT	9,776

**Data is your Friend**

While a certain Star Trek android might be the perfect minion to help keep your station up and running for the duration of the contest — especially if it is a good cook — making good use of available data can make a key difference in meeting your personal contest goals, whatever they might be.

One source of data I use regularly is the 3830 web site ([3830scores.com](http://3830scores.com), see the figure below). Even though the scores posted are only claimed scores, they are still pretty close to the final score and can give you a picture of what other operators were able to achieve. For example, did you miss your goal to reach a certain score? Take a look at the score breakdowns to see how other operators in your area and entry class achieved that score. Did they operate longer? Did they find more multipliers? Let's look at the top three U.S. stations in Single-Op, High Power: If AA3B had gotten a few more Qs per hour, or if W7RN had found more multipliers, the order of finish might have been very different. This suggests that perhaps AA3B needed to run more, or that W7RN should have gone multiplier hunting a little more.

Single Op HP Call	Score	Totals					80	40	20	15	10
		QSOs	State/Prov	Countries	Q	Q	Q	Q	Q		
NN1SS	327,726	2601	59	67	277	428	702	798	396		
AA3B	296,094	2427	58	64	350	607	432	596	442		
W7RN(WK6I)	284,817	2613	57	52	251	541	539	789	493		

Also, don't miss the 3830 comments section. Sure, you will find a lot of whinging about equipment failures and lousy propagation, but there are also plenty of useful tidbits about local conditions, contest strategy, equipment choices and challenges, and the occasional bit of humor. In comments about the 2015 RTY Roundup, you can read about the challenges of multiplier hunting at P49X, how a new receive antenna improved things for N4LR, and the trials and tribulations of making exactly one contact at K6WSC.

For propagation data — unless you are really good at catching WWV at 18 minutes after the hour and in the middle of a contest run — a great website for comprehensive data is the propagation page at

[dx.qsl.net/propagation](http://dx.qsl.net/propagation). You can find the usual indices, plus near-real time auroral and X-ray flux data. Wonder what just happened to the band? Check the X-ray flux. If that red line gets into the M or the (shudder) X range, maybe it's time to take your break...

Speaking of propagation, if you've ever seen those beautiful multi-colored propagation maps in this magazine and others and wondered how to make them, look no further than [k6tu.net](http://k6tu.net). You don't have to know much about propagation to use the site, but there is plenty of tutorial material if you do. I never start a contest without generating a set of maps per band and loading them on my iPad to study before and have handy during the contest. (Note that Stu does ask for a nominal yearly subscription to keep the servers running.)

Sure, poring over data might seem like drudgery, but try instead to think of it as inspiration. A few minutes of poking around just might lead to an idea to try next time. And who knows, during next year's RTTY Roundup on January 2<sup>nd</sup> and 3<sup>rd</sup>, you might set a section record that stands for the next decade!



Some say you have to have "big shoes" to win RTTY contests. Will big slippers do? Will, K6ND, placed 9<sup>th</sup> in the Multioperator, High Power category with this footwear! (Photo courtesy of Will Angent, K6ND)

## Affiliated Club Competition

In 2015 it would appear that most of the big clubs took the year off, at least compared with 2014. Neither the Northern California Contest Club nor the Potomac Valley Contest Club — both perennial contenders for the top Unlimited Club spot — managed to pull together the 50 logs required to make that category. Curiously, if the PVRC had found just three more logs they would have made the cut and added another gavel to their trophy case. Instead, they surrendered the coveted gavel to the Minnesota Wireless Association and took first place in the Medium Club category. In the Local Club category, the Orleans County ARC once again took the top spot.

## Affiliated Club Competition

Category	Entries	Score
<i>Unlimited</i>		
Minnesota Wireless Assn	56	1,891,478
<i>Medium</i>		
Potomac Valley Radio Club	47	2,406,791
Yankee Clipper Contest Club	27	1,520,271
Society of Midwest Contesters	31	1,435,965
Frankford Radio Club	18	1,222,264
Arizona Outlaws Contest Club	25	1,130,695
Mother Lode DX/Contest Club	19	1,112,409
DFW Contest Group	17	869,528
Contest Club Ontario	25	840,857
Florida Contest Group	18	830,078
Alabama Contest Group	16	756,293
Northern California Contest Club	24	726,251
CTRI Contest Group	6	556,921
ORCA DX And Contest Club	10	547,242
Tennessee Contest Group	13	529,343
Louisiana Contest Club	6	442,580
Grand Mesa Contesters of Colorado	8	425,686
Contest Group Du Quebec	7	421,180
Carolina DX Association	5	351,760
Western Washington DX Club	6	315,781
Willamette Valley DX Club	13	311,325
Mad River Radio Club	6	263,964
Southern California Contest Club	11	261,775
Mississippi Valley DX/Contest Club	3	258,266
South East Contest Club	8	236,859
Georgia Contest Group	3	224,876
Swamp Fox Contest Group	6	203,153
Kentucky Contest Group	5	170,451
Saskatchewan Contest Club	4	96,652
Hudson Valley Contesters and DXers	4	90,115
Maritime Contest Club	3	42,002
North Coast Contesters	3	38,800
<i>Local</i>		
Orleans County Amateur Radio Club	8	533,555
Kansas City Contest Club	4	266,103
Bergen ARA	6	245,726
Spokane DX Association	8	226,828
Skyview Radio Society	3	138,617
Bristol (TN) ARC	6	114,388
Metro DX Club	4	105,963
New Providence ARC	4	69,413
Meriden ARC	3	62,666
Murgas ARC	3	25,821
West Park Radiops	4	15,393

## Regional Highlights

Once again, Minnesota topped the charts with the most logs submitted by a section, and even two more than last year. And once again, Virginia claimed the next spot, though Illinois surged forward with almost 50% more logs than last year to grab a tie for second. Meanwhile, Arizona wins the consistency award with 31 logs again this year.

In terms of overall section participation, we missed a clean sweep of sections by just one: Newfoundland/Labrador. (Hey, we know it's cold up there, but if Minnesota can do it...)

### Domestic Participation by ARRL Section

Section (2014 Rank)	Logs	Section (2014 Rank)	Logs
MN (1st)	54	SJV	11
IL (7th)	38	SC	10
VA (2nd)	38	ID	10
AZ (3rd)	31	ONE	9
EPA (9th)	30	NE	9
TN (14th)	30	SNJ	9
OH (5th)	29	GTA	8
MDC (8th)	25	IA	8
NNJ (15th)	25	QC	8
WWA (16th)	25	LA	8
WNY (4th)	22	LAX	8
CO	21	MT	8
STX	21	OK	7
NTX	20	UT	7
AL	19	RI	7
NC	19	SD	6
SV	18	WY	6
SCV (6th)	17	AR	6
MI	16	MS	6
WI (10th)	16	ORG	6
MO	16	NLI	5
CT	16	WV	5
ONS	15	NV	5
BC	15	SB	5
OR	14	NM	4
IN	13	SK	4
EMA	13	MAR	4
SFL	13	WTX	3
EWA	13	DE	3
KS	12	ME	3
ENY	12	NNY	3
NH	12	VT	3
GA	12	AB	3
NFL	12	SF	3
WCF	12	MB	2
EB	12	ND	2
KY	11	ONN	1
WMA	11	NT	1
WPA	11	NL	0
SDG	11		

Looking overall at the five regions, the Northeast and West Coast were a close one-two for logs submitted, while despite a good showing from Illinois and Ohio, the Central region brought up the rear.

### Domestic Participation by Region

Region	Logs received
Northeast	222
West Coast	216
Midwest	202
Southeast	190
Central	156
Total	986

### West Coast Region

Recent RTTY convert W1SRD continues his charge up the scoreboard, setting a new Pacific Division record in SOUHP and placing second overall. Meanwhile up north, KB7Q (op. WA7U) and W7RY set new Northwestern Division records and placed in the top ten in SOULP and SOHP (respectively).

#### West Coast Region

Call	Score	Cat	QSOs	Mults	Operators
K7TQ	94,520	SOLP	1124	85	
KE7X	72,802	SOLP	827	89	
AF6SA	71,550	SOLP	804	90	
NW7D	65,611	SOLP	736	91	
VA7ST	58,575	SOLP	831	71	
KB7Q (@WA7U)	170,362	SOULP	1676	103	
W6UX	58,078	SOULP	828	71	
W6KY	35,840	SOULP	522	70	
K7GS	35,802	SOULP	449	81	
W7DRM	35,088	SOULP	527	68	
W7RN (WK6I, op)	278,168	SOHP	2578	109	
K6LL	226,692	SOHP	2115	108	
K8IA	226,395	SOHP	1962	117	
W7RY	210,041	SOHP	2036	107	
N6IE	198,968	SOHP	1699	119	
W1SRD	269,568	SOUHP	2344	117	
VE7CC	222,300	SOUHP	1983	114	
W7ZR	148,824	SOUHP	1443	104	
VA7KO	123,481	SOUHP	1296	97	
W7VJ (N7NM, op)	109,980	SOUHP	1235	90	
K7OX	72,261	MSLP	795	93	(+K7AJ)
VA7RY	46,512	MSLP	652	72	
N6GEO	44,080	MSLP	595	76	(+WQ6X)
WØPC	35,856	MSLP	511	72	(+N6EVG, ACØNF, KF7STT)
AK7AZ	22,320	MSLP	387	60	(AK7AR, KØDVH)
N7TR	182,484	MSHP	1661	111	(+K6ST)
K7BTW	136,500	MSHP	1522	91	(+N9ADG, K7EDX)
WS7L	50,654	MSHP	592	86	
W6DR	50,165	MSHP	639	79	(+N9YS)
AB7AA	48,552	MSHP	743	68	(+AB7BB)

### Midwest Region

Five new section records got crushed in the Midwest, including NR5M in the West Gulf Division who also took the top spot overall in MSHP (along with team members KU5B, NX5M, and K5GA); WØLSD with a commanding total in the Rocky Mountain Division SOUHP and third overall; WB5TUF for a West Gulf SOULP record and also third overall; and NØHIZ and KØCN with Dakota Division records in SOULP and SOUHP (respectively).

### Midwest Region

Call	Score	Cat	QSOs	Mults	Operators
NØAT	165,060	SOLP	1594	105	
KØTI	161,117	SOLP	1676	97	
KØAD	134,805	SOLP	1450	95	
NTØF	127,428	SOLP	1154	111	
AD5XD	112,763	SOLP	1284	89	
WB5TUF	173,118	SOULP	1428	122	
NØHJZ	73,781	SOULP	833	89	
NØOJ	65,250	SOULP	729	90	
NØEKM	46,750	SOULP	561	85	
AAØAW	39,900	SOULP	534	76	
ACØC	232,764	SOHP	2027	119	
ABØRX	207,536	SOHP	1874	112	
W5AP	165,743	SOHP	1594	107	
WØGJ	131,345	SOHP	1231	109	
N9TX	103,182	SOHP	1220	87	
WØLSD	253,150	SOUHP	2113	122	
W7CT	108,737	SOUHP	1131	97	
N5JR	94,050	SOUHP	830	114	
KØCN	90,504	SOUHP	852	108	
WA5ZUP	86,688	SOUHP	1017	86	
KIØI	61,971	MSLP	687	91	(+NØJRO)
WØFRC	45,630	MSLP	718	65	(KØSU, KØGIE, KØKMK, ops)
WSØZ	33,460	MSLP	489	70	(+KDØWAB)
KN5S	9,150	MSLP	184	50	(K5WW, KF5EJX, ops)
K7EMR	1,333	MSLP	48	31	(+K4EMR)
NR5M	272,718	MSHP	1990	139	(+KU5B, NX5M, K5GA)
NØNI	244,094	MSHP	1972	127	(+NØAC, NØMGK, NØXR, WØBNW, WØFLS)
WØSD	234,720	MSHP	1983	120	
WY7SS	151,700	MSHP	1541	100	(WY7FD, WY7YL, ops)
KIØF	139,847	MSHP	1310	109	(+NØBUI)

### Central Region

N9CK set a new Central Division record and took the top spot in SOLP. K9NR pulled off the same trick with a first place and Central Division record in MSLP. NO9C ratcheted up the SOUHP record, also in the Central Division; AA8R teamed with W8TAX to kick up the Great Lakes MSLP record; and up across the border VE3KI set a new mark for SOULP in Canada.

### Central Region

Call	Score	Cat	QSOs	Mults	Operators
N9CK	192,120	SOLP	1611	120	
KD9MS	99,170	SOLP	1069	94	
VA3DF	88,620	SOLP	847	105	
K8AJS	86,736	SOLP	847	104	

VE3FH	71,800	SOLP	721	100	
VE3KI	112,530	SOULP	1027	110	
W9ILY	83,895	SOULP	709	119	
K9NW	55,328	SOULP	613	91	
KW9U	33,453	SOULP	415	81	
VE3IAE	31,374	SOULP	382	83	
AI9T	209,125	SOHP	1687	125	
N8RU	117,859	SOHP	1052	113	
W8JWN	116,523	SOHP	1121	107	
WA8KHP	100,788	SOHP	916	111	
VE3CX	96,309	SOHP	1199	81	
NO9C	131,890	SOUHP	1222	109	
N2BJ	74,336	SOUHP	776	101	
KS9W	66,176	SOUHP	766	88	
W9IU	53,730	SOUHP	611	90	
VE3RZ	46,740	SOUHP	496	95	
K9NR	128,810	MSLP	1199	110	
AA8R	123,308	MSLP	1080	116	(+W8TAX)
N4LR	112,080	MSLP	964	120	(+K9XD)
(@K9XD)					
KOØZ	62,604	MSLP	687	94	(+KC9ULA)
K4FT	37,179	MSLP	473	81	(+KT4HR, K4OH)
KB8O	127,600	MSHP	1185	110	(+AB8M)
WZ8P	116,380	MSHP	1083	110	(+W8TJT, KE8YP)
KE4YVD	30,528	MSHP	465	72	
(KF4REN, KJ4PXR, AJ4A, WB4VFN, KY4OZ, KJ4YLR, KK4NZI, AG4ZA, K4BLP, KY4SGM, KJ4RPY, KO4OL, KK4NZT, KI4NEC, ops)					

### Southeast Region

The star of this region was AA5AU, who established a convincing World Record in SOULP and (naturally) took the top spot. Meanwhile, LY5W travelled to N8PR's station so that he could operate SOHP as W4/LY5W - got all that? It was apparently worth it because he set a new Southeastern Division record. K9OM scored a new Southeastern SOUHP record, while NB4M adjusted the SOUHP record in the Delta Division.

### Southeast Region

Call	Score	Cat	QSOs	Mults	Operators
KA4RRU	148,542	SOLP	1336	114	
KC4HW	101,376	SOLP	1051	99	
WA1FCN	98,838	SOLP	983	102	
WD4AHZ	95,266	SOLP	879	109	
KU4V	85,540	SOLP	947	91	
AA5AU	280,704	SOULP	2198	129	
N2QT	204,229	SOULP	1571	131	
AA2MF/4	87,451	SOULP	1012	91	
AB4SF	83,930	SOULP	766	110	
WO4D	64,746	SOULP	673	99	
W4/LY5W	177,548	SOHP	1537	119	
(@N8PR)					
AB4GG	160,195	SOHP	1404	115	
WX4G	157,058	SOHP	1350	118	
AG4W	128,800	SOHP	1168	112	
W4OX	120,571	SOHP	1074	113	
K9OM	209,560	SOUHP	1633	130	
W4PK	167,101	SOUHP	1407	121	

<b>K5EK</b>	138,852	SOUHP	1120	126	
<b>N4GU</b>	108,693	SOUHP	935	117	
<b>K7BV</b>	100,548	SOUHP	952	108	
<b>W4DTB</b>	69,112	MSLP	711	106	(+N1LN, KK4UNZ)
<b>W4BNO</b>	50,149	MSLP	523	97	(+KB2SDR, KJ4NPR)
<b>K4RFT</b>	37,398	MSLP	574	69	(W4TZX, WB4YDL, N4MJ, N4PWG, AK4VU, ops)
<b>N4SVC</b>	29,175	MSLP	418	75	
<b>WW4LL</b>	202,752	MSHP	1606	128	(+K1ZZI, W9SN)
<b>W4RM</b>	164,052	MSHP	1367	124	(+W7IY, K4RG)
<b>W4ML</b>	156,252	MSHP	1354	116	(KI4UDF, W4MYA, ops)
<b>NR4M</b>	107,580	MSHP	996	110	(+K3TN, K7SV)
<b>N4CW</b>	102,396	MSHP	976	106	(+KK4WSP, W4TMO)
<b>KA4RRU</b>	148,542	SOLP	1336	114	

## Northeast Region

Speaking of stars, KIIG set a commanding total in SOUHP to set the World Record and claim top spot, with almost 100,000 points over his nearest competition. NN1SS didn't set any records but his total was good enough for first place overall SOHP. W3LL set a new Atlantic Division record in SOUHP, in the Hudson Division K2DSL and NY6DX notched things up in SOLP and SOUHP (respectively).

### Northeast Region

Call	Score	Cat	QSOs	Mults	Operators
<b>VA2UP</b>	130,624	SOLP	1268	104	
<b>K2DSL</b>	95,452	SOLP	978	98	
<b>WØBR</b>	94,395	SOLP	1020	93	
<b>W2GR</b>	84,099	SOLP	876	97	
<b>KB3LIX</b>	74,942	SOLP	713	106	
<b>N2MM</b>	112,668	SOUHP	921	123	
<b>W3FIZ</b>	107,576	SOUHP	968	113	
<b>VE2EBK</b>	82,297	SOUHP	811	103	
<b>K1JY</b>	41,216	SOUHP	459	92	
<b>N1DBL</b>	35,992	SOUHP	412	88	
<b>NN1SS</b>	314,370	SOHP	2539	126	
<b>AA3B</b>	292,863	SOHP	2399	123	
<b>K1RO</b>	214,080	SOHP	1793	120	
<b>K5ZD</b>	192,542	SOHP	1632	119	
<b>N2WK</b>	134,643	SOHP	1224	111	
<b>K1IG</b>	357,576	SOUHP	2553	141	
<b>N1QD</b>	191,490	SOUHP	1475	130	
<b>(@K1KP)</b>					
<b>W3LL</b>	190,336	SOUHP	1515	128	
<b>N3QE</b>	140,774	SOUHP	1202	118	
<b>WA2TMC</b>	122,688	SOUHP	1161	108	

<b>none!</b>		MSLP			
<b>K6ND</b>	148,562	MSHP	1282	118	(+K6NDV, W1UE, WM1K, ops)
<b>K3MJW</b>	125,048	MSHP	1100	116	
<b>(KC3CSH, KC3CSI, WC3O, K3RMB, W3VYK, KB3EY, KØJRS, WA3KFS, WQ3Q, ops)</b>					
<b>KT1I</b>	117,200	MSHP	1197	100	
<b>WG3J</b>	82,194	MSHP	872	103	(+NJ3I)
<b>W2YC</b>	61,880	MSHP	601	104	(+WB2P)

## New W/VE Records

There were 21 new Division records set in the US and Canada. This RTTY thing seems to be catching on, ya think?

### New W/VE Division Records

Call	Division	Cat	Score	QSOs	Mults
<b>N9CK</b>	Central	SOLP	192,120	1611	120
<b>K2DSL</b>	Hudson	SOLP	95,452	978	98
<b>VE3KI</b>	Canada	SOUHP	112,530	1027	110
<b>NØHJZ</b>	Dakota	SOUHP	73,781	833	89
<b>AA5AU**</b>	Delta	SOUHP	280,704	2198	129
<b>KB7Q (@ WA7U)</b>	Northwestern	SOUHP	170,362	1676	103
<b>WB5TUF</b>	West Gulf	SOUHP	173,118	1428	122
<b>W7RY</b>	Northwestern	SOHP	210,041	2036	107
<b>W4/LY5W (LY5W op. @ N8PR)</b>	Southeastern	SOHP	177,548	1537	119
<b>W3LL</b>	Atlantic	SOUHP	190,336	1515	128
<b>NO9C</b>	Central	SOUHP	131,890	1222	109
<b>KØCN</b>	Dakota	SOUHP	90,504	852	108
<b>NB4M</b>	Delta	SOUHP	45,778	491	94
<b>NY6DX</b>	Hudson	SOUHP	119,640	1036	120
<b>KI1G**</b>	New England	SOUHP	357,576	2553	141
<b>W1SRD</b>	Pacific	SOUHP	269,568	2344	117
<b>WØLSD</b>	Rocky Mountain	SOUHP	253,150	2113	122
<b>K9OM</b>	Southeastern	SOUHP	209,560	1633	130
<b>K9NR</b>	Central	MSLP	128,810	1199	110
<b>AA8R</b>	Great Lakes	MSLP	123,308	1080	116
<b>NR5M</b>	West Gulf	MSHP	272,718	1990	139

**\*\* World Record**

## DX Highlights

Overall DX participation was once again down a bit as compared to last year - 46 fewer logs - mostly from Asia and Europe. On the other hand, both Oceania and South America were up a little.

### DX Participation, by Continent

<i>Continent</i>	<i>Logs</i>	<i>% of total DX</i>
AF	7	0.9%
AS	133	16.8%
EU	569	71.7%
NA (non W/VE)	33	4.2%
OC	21	2.6%
SA	31	3.9%
Total logs	794	

### New DX Records

<i>Call</i>	<i>Cont</i>	<i>Cat</i>	<i>Score</i>	<i>QSOs</i>	<i>Mults</i>
<b>VP9/K4KGG (K4KGG op.)</b>	North America	SOULP	111,333	1008	111
<b>DU3/KL7IWC (KL7IWC op.)</b>	Oceania	SOULP	2,340	118	20
<b>YV1KK</b>	South America	SOULP	128,594	1163	113
<b>P49X (WØYK op.)**</b>	South America	SOHP	468,720	3760	126
<b>ZL2B (ZL2BR op.)</b>	Oceania	SOUHP	51,688	575	91
<b>PZ5RA</b>	South America	SOUHP	138,820	1277	110

\*\* World Record

Clearly my observation last year that the Unlimited records for Oceania were ripe for the picking was noticed, because both records were filled in 2015 - though one might suspect that the 2,340 points recorded by DU3/KL7IWC won't stand very long. All of the other new records were also Unlimited, except of course for the obligatory yearly new world record in SOHP by P49X (hi hi).

And just by the way, SOUHP Africa is still unclaimed, as well as nearly all Antarctic records. I can think of worse reasons for a DXpedition!

## Wrap up

If you are still reading - first, thank you for sticking it out! I hope you liked this writeup, such as it is. I won't bore you with the reasons why this year's report is a little lean, but next year you can be sure I will be putting out the call for your experiences, fun stories, sad stories, and interesting photos. I look forward to all of them!



## Sponsored Plaque Winners

Thanks to the generous sponsorship of numerous clubs and individuals, we are pleased to list the winners of the sponsored RTTY Roundup plaques below:

<b>Plaque Category</b>	<b>Plaque Sponsor</b>	<b>Winner</b>
W/VE Single Operator High Power	Preston Radio Club, W7PRC	NN1SS
W/VE Single Operator Low Power	Ray Day, N6HE	N9CK
W/VE Single Operator Unlimited High Power	Tom Haavisto, VE3CX	KI1G
W/VE Single Operator Unlimited Low Power	Jeff Stai, WK6I	AA5AU
W/VE Multioperator High Power	John Lockhart, WØDC	NR5M
W/VE Multioperator Low Power	Dan Karg, KØTI	K9NR
DX Single Operator High Power	Rick Tavan, N6XI	P49X
DX Single Operator Unlimited High Power	Marsh Stewart, KA5M	SN7Q
DX Multioperator High Power	Paolo Cortese, I2UIY, Memorial by WØYK	EI7M
Hudson Division Single Operator Low Power	The New Providence ARC Digital Group	K2DSL
Midwest Division Single Operator Low Power	Sand Hills Amateur Radio Club of Southwest Kansas	NTØF
Pacific Division Single Operator High Power	Northern California Contest Club	W7RN (WK6I, op)
Pacific Division Single Operator Low Power	Dick Wilson, K6LRN & Carolyn Wilson K6TKD	AF6SA
Pacific Division Single Operator Unlimited High Power	Rich Hallman, N7TR	W1SRD
Pacific Division Multioperator High Power	Steve, W1SRD and Doris, KØBEE	N7TR
Roanoke Division Single Operator Low Power	Mike Sims, K4GMH	KA4RRU
Roanoke Division Single Operator Unlimited High Power	Mark Sihlanick, N2QT	W4PK
Roanoke Division Multioperator Low Power	Sheila Blackley, K4WNW	W4DTB

To inquire about purchasing an unsponsored plaque, or for information on plaque sponsorship, please contact the ARRL Contest Branch at (860) 594-0232. Plaques cost \$75 each, which includes all shipping and handling costs.