



ARRL RTTY Roundup 2023 Full Results

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If You Don't Listen, You'll Be Missin'

One common canard of RTTY operating is that real RTTY operators can decode diddles in their head. While obviously not the case and seldom actually humorous, there is some truth to this. For instance, if you actually listen to the diddles you start to recognize the “melody” of a CQ, your callsign, and other common patterns. But that's not the main reason to listen.

Just like phone and CW, a received RTTY signal can tell you a lot beyond the actual decoding.

I often hear from phone and CW ops about how RTTY is lazy and you're letting the computer do the work. That may be the case for a casual RTTY ragchew (remember those?) but if you want to be competitive you need to pay more attention to what the received signal and decoders are telling you. Firstly, if you aren't running multiple decoders/profiles - windows for MMTTY, 2tone, etc. - you're going to be asking for more fills than you should need to. Hearing the signal quality can help you make decisions on the quality of the print in those windows. .

One example: The other station sends you their serial number twice, and as the first number comes in there is a static crash that obliterates it. But the second comes in with a clear signal. You can make the decision that since the signal was clear for the second instance you don't need a fill.

Here's another: Now that you have several decoders open you gotta look at all of them to decide which one has the best and most correct print. Once you start listening for signal quality, now you can start to make decisions on which windows to look at first. Flutter over-the-pole signals? The 2tone window set to the Flutter profile should be the first place your eyes land. With practice you'll find more correlations like this.

Thine Cart Goeth Not Before Thine Horse

Or so they say... but another topic I wanted to address is best exchange practices. Much more often in the last couple of years I've noticed this trend of responding to a CQ not with a callsign, but rather leading with the whole exchange and finally sending their call, like this:

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WK6I WK6I 599 599 123 123 DE WX9XXX
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Now, if there are not multiple stations calling and conditions are good, this may be a little annoying - the loggers I know really like to have a callsign first - but it gets the job done. But it seems so often that the exchange bits (and my callsign) come in loud and clear but by the time we get to their call something obliterates it. And you can't really even respond until you have it all because once you do they assume you got it and they are gone. It can take several rounds when conditions are less than wonderful. As Phil GUØSUP put it: “A large number of stations called me with my call twice, and their call got lost in QRM/QSB.”

It gets more problematic when there ARE multiple stations calling. I like to “call stack”, which is where you “stack up” multiple calls heard at the same time and work them in turn. Modern loggers facilitate this by providing the stack. Normally this enables you to work them faster with fewer overs, but this station isn't going to get into the stack. First, I have other customers waiting. But even if I do throw the call into the stack I don't have their exchange stored, and when I do work them, they may leave before I can get a repeat of the exchange. Therefore, I won't be working them until I'm not stacking.

I'm sure I'm preaching to the choir here - all you fine ops do things call-first. But I've long harbored a suspicion this practice is hiding in the default messages of one or more logging programs. This is doubly clear when you start to notice spacing and how many times elements are repeated (why oh why do they repeat my call, which I know already, and not theirs?) If you spot this behavior in your favorite

logger, maybe drop a note to the developer? And maybe at the next club meeting mentor the new ops? The community will thank you!

It's Data Time!

With all this FT* stuff bouncing in and out of the contest, you could be excused if you found nothing to comment on, but I will press my case nonetheless and refer you to this table of logs submitted by year (not counting checklogs).

Total Logs Submitted, by Year	
Year	Total Logs
2016	1,757
2017	1,733
2018	1,620
2019	2,642 (FT* introduced)
2020	2,087
2021	2,353
2022	2,350
2023	1,793 (RTTY only)

I see two points of comparison to previous years. We had 1,620 logs submitted in 2018, so on our return to RTTY-only in 2023, 1,793 is a healthy increase. And in 2022, I noted that about $\frac{2}{3}$ of the logs submitted were RTTY only. $\frac{2}{3}$ of the 2022 total works out to 1575. All in all, RTTY contesting was alive and well and growing in 2023!

Category Choice		
Single Operator		
High Power	SOHP	255
Low Power	SOLP	762
QRP	SOQRP	57
Total		1,074
Single Op Unlimited		
High Power	SOUHP	340
Low Power	SOULP	298
QRP	SOUQRP	12
Total		650

Multioperator		
Single Transmitter, High Power	MSHP	29
Single Transmitter, Low Power	MSLP	21
Two Transmitter	M2	14
Multi Transmitter	MM	5
Total		69

Looking at the category breakdown and (again) comparing apples and oranges - it looks like the growth this time has been in the Unlimited and Multiop categories. And in QSO totals, the loss of FT modes was nicely compensated by the increases on 10/15m - three cheers for the solar flux!

Yearly QSO Totals, by Band						
Band	2018	2019	2020	2021	2022	2023
80 M	91,966	91,935	95,592	112,048	83,711	56,420
40 M	150,648	201,136	188,940	224,277	182,658	119,255
20 M	210,821	250,967	231,761	277,248	241,905	157,649
15 M	36,233	38,554	16,178	48,667	95,685	127,427
10 M	50	253	60	145	3,313	53,464
Total	489,718	582,845	534,551	662,385	609,294	516,238

Affiliated Club Competiton

Club	Score	Entries
Unlimited		
Potomac Valley Radio Club	2,563,742	61
Northern California Contest Club	2,084,038	61
Medium		
Minnesota Wireless Assn	1,661,289	44
Society of Midwest Contesters	1,638,316	35
Frankford Radio Club	1,592,205	39
Arizona Outlaws Contest Club	1,051,570	13
Yankee Clipper Contest Club	893,062	26
Contest Club Ontario	694,085	18
Willamette Valley DX Club	639,151	15
Florida Contest Group	569,188	19
Tennessee Contest Group	565,053	16
Grand Mesa Contesters of Colorado	531,141	7
Western Washington DX Club	521,896	8
Kansas City Contest Club	476,711	4
Orleans County Amateur Radio Club	458,898	6
South East Contest Club	393,461	10
DFW Contest Group	373,254	10
Orca DX and Contest Club	341,068	6
Spokane DX Association	311,474	6
Kentucky Contest Group	285,185	9

Skyview Radio Society	274,427	4
Central Texas DX and Contest Club	240,412	8
Big Sky Contesters	200,916	3
Saskatchewan Contest Club	198,123	3
Swamp Fox Contest Group	179,540	7
Niagara Frontier Radiosport	176,672	8
North Coast Contesters	174,616	5
Northeast Maryland Amateur Radio Contest Society	165,665	11
Southern California Contest Club	149,720	10
Bay Area DXers	148,289	4
Valley Amateur Radio Association	138,785	3
New Providence ARC	103,902	4
Great Places Contest Club	94,530	3
Order of Boiled Owls of New York	93,418	5
Rochester (NY) DX Assn	76,092	4
Mad River Radio Club	72,782	8
Carolina DX Association	69,454	5
Hudson Valley Contesters and DXers	59,193	5
Alabama Contest Group	54,699	7
Heartland DX Association	50,402	4
Portage County Amateur Radio Srv.	43,347	4
Oklahoma City Autopatch Assn.	34,900	3
Silver Comet Amateur Radio Society	22,522	4
Phil-Mont Mobile Radio Club	1,808	3
Local		
Bristol (TN) ARC	150,427	6
Meriden ARC	28,476	4
Alexandria Radio Club	16,869	3

Outlaws Contest Club with 13 logs at 80,890 points per log.

Affiliated Club Gavel Winners, 2004 to present

Unlimited

<i>Year</i>	<i>Club</i>	<i>Logs</i>	<i>Score</i>
2023	Potomac Valley Radio Club	61	2,563,742
2022	Northern California Contest Club	75	3,118,045
2021	Northern California Contest Club	75	3,286,060
2020	Northern California Contest Club	51	2,250,767
2019	Northern California Contest Club	63	2,233,702
2018	Northern California Contest Club	74	3,486,901
2017	Potomac Valley Radio Club	62	1,929,695
2016	Northern California Contest Club	67	3,809,079
2015	Minnesota Wireless Assn	56	1,891,478
2014	Northern California Contest Club	65	3,202,878
2013	Northern California Contest Club *	71	4,044,558
2012	Northern California Contest Club	73	3,715,609
2011	Minnesota Wireless Assn	64	2,183,630
2010	Northern California Contest Club	60	2,502,251
2009	Northern California Contest Club	86	3,307,797
2008	no winner		
2007	no winner		
2006	no winner		
2005	no winner		
2004	no winner		

Medium

<i>Year</i>	<i>Club</i>	<i>Logs</i>	<i>Score</i>
2023	Minnesota Wireless Assn	44	1,661,289
2022	Frankford Radio Club	41	1,858,118
2021	Frankford Radio Club *	48	2,550,431
2020	Frankford Radio Club	39	1,592,104
2019	Society of Midwest Contesters	49	1,788,349
2018	Society of Midwest Contesters	47	1,811,579
2017	Northern California Contest Club	43	1,879,145
2016	Frankford Radio Club	19	1,178,489
2015	Potomac Valley Radio Club	47	2,406,478
2014	Society of Midwest Contesters	28	1,524,519
2013	Minnesota Wireless Assn	43	1,607,832
2012	Potomac Valley Radio Club	49	2,500,870
2011	Potomac Valley Radio Club	37	1,833,820
2010	Potomac Valley Radio Club	40	1,813,567
2009	Potomac Valley Radio Club	37	1,778,086
2008	Potomac Valley Radio Club	35	1,440,226
2007	Potomac Valley Radio Club	37	1,966,378

The top club scores in recent years have been a model of sameness but this year everything got flipped on its head. After years of commanding the Unlimited Club category, the Northern California Contest Club got booted out by the Potomac Valley Radio Club (with the same number of logs). Similarly, the Frankford Radio Club lost its Medium Club gavel to a concerted effort by the Minnesota Wireless Association, who edged out the Society of Midwest Contesters by less than 23,000 points. And finally the top dogs in Local Club - who have held that spot longer than this writer can remember - the Orleans County ARC jumped up to the Medium category (posting a very fine score with just 6 logs, leaving the number one spot to the Bristol (Tennessee) ARC.

After typing that paragraph, I got curious to see which club had the highest points per log, so after some math - it was the Kansas City Contest Club with 4 logs at 119,178 points per log. If I arbitrarily choose a 10-log minimum, then it's the Arizona

2006	Potomac Valley Radio Club	28	1,355,040	K3RWN	93,394
2005	Northern California Contest Club	31	1,231,336	WQ5L	83,824
2004	Northern California Contest Club	35	1,439,443	KW1X	77,871
	Local			K8ARY	73,748
<i>Year</i>	<i>Club</i>	<i>Logs</i>	<i>Score</i>	AA4DD	71,500
2023	Bristol (TN) ARC	6	150,427	AE7AP	71,316
2022	Orleans County ARC	8	511,727		
2021	Orleans County ARC	10	609,977	Single Operator, QRP	
2020	Orleans County ARC	10	583,258	WDØT	69,042
2019	Orleans County ARC	8	492,003	K2YG	56,814
2018	Orleans County ARC	10	455,258	K4XL	44,115
2017	Orleans County ARC	6	475,347	WZ8P	32,864
2016	Orleans County ARC	7	748,161	KO1H	30,192
2015	Orleans County ARC	6	533,555	K6GHA	26,013
2014	Orleans County ARC	10	655,255	AA5KD	15,768
2013	Orleans County ARC*	10	1,065,283	WB3DPS	13,920
2012	Orleans County ARC	10	936,547	WDØBGZ	10,530
2011	Dominion DX Group	10	639,851	KB7EEG	9,308
2010	Orleans County ARC	6	449,103		
2009	Orleans County ARC	4	294,392	Single Operator Unlimited, High Power	
2008	Maritime Contest Club	4	297,018	K3MM	281,029
2007	Alabama Contest Group	7	453,854	K1LZ	280,416
2006	Maritime Contest Club	5	262,279	AD4EB	224,688
2005	Spokane DX Assn	3	131,022	WØLSD	217,412
2004	Dauberville DX Assn	3	125,534	NØXR (@NØNI)	208,104

* Record score

The Winners

Top Ten- United States and Canada

Single Operator, High Power

ACØC	295,120
AA3B	286,649
W7RN (WK6I, op)	283,580
K7RL	179,931
K5XH	168,468
N3QE	151,646
AE1P	130,570
N5YT	128,856
AD5XD	126,984
K7QA	124,644

Single Operator, Low Power

W4AAA (KK9A, op)	217,080
K9WX	114,945
KØTI	111,111
NN1D	110,201

Single Operator Unlimited, Low Power

AA5AU	239,785
KA4RRU	143,472
VE3MGY	112,560
NØHJZ	107,040
K9PW	90,797
K6EI	89,910
N8HRZ	89,452
KG5VK	80,878
WT9U	74,200
AD1C	72,802

Single Operator Unlimited, QRP

W7RY	43,977
NØUR	10,584
VE3NZ	9,420

W4RN	3,312
WQ6X	1,736
K8ZT	700

Multioperator, Single Transmitter, High Power

WØSD	220,311
N7AT	195,692
K3AJ	181,040
K9YY	139,708
N4SS	132,632
N7GCO	125,604
AD4ES	120,512
AC8Y	114,695
K5RZA	88,200
W7VO	85,176

Multioperator, Single Transmitter, Low Power

WTØDX	85,054
W2NTN	70,494
KS3H	58,734
W3ZGD	50,589
WA1F	46,170
KOØZ	40,092
WSØZ	38,760
VA3LML	28,908
N7ECM	20,332
N1SOH	17,111

Multioperator, Two Transmitter

NJ4P	401,744
NA7TB	318,060
ND2T	281,610
K7RU	272,698
KT7E	245,065
NA4DA	191,015
VE7SCC	154,068
K3GP	139,216
WB9TFF	63,080
W5NN	52,430

Multioperator, Multitransmitter

W3GH	253,011
N6WM	250,676
KB3VQC	132,132
K9NR	43,110

Most of the first-place winners had pretty decisive leads, but in the high-power single-op and the multi-multi categories it was really close. Like for example where the difference in SOUHP between K3MM and K1LZ was just 5 QSOs. Similarly, just two more multipliers would have N6WM edging out W3GH for the MM top spot. This really underscores the importance of good copying and keeping one's derriere in le chair!

Regional Highlights

Domestic Participation, Logs Received by Region						
Region	2018	2019	2020	2021	2022	2023
Central	171	268	226	260	236	171
Midwest	197	284	230	247	259	204
Northeast	213	326	260	332	339	272
Southeast	201	342	246	333	319	233
West Coast	228	364	242	297	285	230
Total	1,010	1,584	1,204	1,469	1,438	1,110

As with overall participation, when we look at logs by regional participation, there was not much change. And the same goes for section participation, the Top Ten sections are pretty much the same, with the exception of a nice jump up by MDC. But the real news here is that we have a FULL LIST of sections for the first time in maybe ever. I can't recall another time we had at least one log for every Section!

Domestic Participation, Logs Received by Section			
Section ID	Logs Received	2022 Rank	2022 logs
VA	53	2nd	61
MN	46	4th	58
MDC	43	3rd	58
OH	41	5th	50
IL	41	1st	69
EPA	38	6th	46
TN	34	8th	38
NC	31	7th	44
CO	30	10th	35
WWA	29	11th	33
WNY	28		
OR	26		
SCV	25	9th	36
STX	25		
EB	24		
AZ	23		

MI	23		
NTX	21		
NFL	21		
WI	20		
NNJ	20		
MO	19		
GA	19		
ENY	17		
BC	16		
AL	16		
SV	15		
WPA	14		
EMA	13		
IN	13		
QC	13		
CT	13		
KY	12		
EWA	12		
WCF	12		
SFL	12		
SJV	11		
SC	11		
IA	11		
KS	11		
ONS	10		
SNJ	10		
NH	10		
ONE	10		
OK	10		
NLI	10		
ID	9		
WMA	9		
MS	8		
NE	8		
NV	8		
MT	7		
AR	7		
DE	7		
SF	6		
UT	6		
RI	6		
VT	6		
GH	6		
ME	6		
ORG	5		
LA	5		

PR*	5		
PAC*	4		
AK*	4		
SD	4		
AB	4		
WV	4		
SDG	4		
SK	3		
NNY	3		
SB	3		
LAX	3		
NM	3		
NS (MAR)	3		
PE	2		
MB	2		
ND	2		
WTX	2		
NL	1		
WY	1		
ONN	1		
VI*	1		
TER (NT)	0		
* DX Section			

West Coast Region

(Pacific, Northwestern and Southwestern Divisions;
Alberta, British Columbia and TER Sections)

W7RN (WK6I, op) 283,580 SOHP

K7RL 179,931 SOHP

K7QA 124,644 SOHP

W6EU 104,650 SOHP

K7RAT (N6TR, op) 54,855 SOHP

AE7AP 71,316 SOLP

VA7ST 60,960 SOLP

WZ8T 51,324 SOLP

WS7V 50,540 SOLP

KE6GLA 48,555 SOLP

K6GHA 26,013 SOQRP

KTØP 8,352 SOQRP

N7JI 7,009 SOQRP

W6QPA 2,244 SOQRP

N6JSO 966 SOQRP

K6LL	174,915	SOUHP
W7GES	141,110	SOUHP
KA6BIM	135,888	SOUHP
VE6WQ	134,460	SOUHP
VE7LWW	129,390	SOUHP
K6EI	89,910	SOULP
VA7KO	69,064	SOULP
N7UVH	42,525	SOULP
WAØWWW	38,038	SOULP
N6GEO	30,228	SOULP
WQ6X	1,736	SOUQRP
N7AT	195,692	MSHP
N7GCO	125,604	MSHP
W7VO	85,176	MSHP
VA7MAY	56,538	MSHP
W1RH	29,580	MSHP
NA7TB	318,060	M2
ND2T	281,610	M2
K7RU	272,698	M2
KT7E	245,065	M2
VE7SCC	154,068	M2
N6WM	250,676	MM

Turns out there's a good reason the N6WM Multi-Multi missed out on those 2 multipliers. "Sometimes Murphy strikes even the biggest contest stations. In this case, this resulted in a loss of nearly 7 hours of op time... the gap was between 1(ish)am and 20m open. and it cost us dearly. So, in keeping with the theme out here in CA.. when it rains.. it pours.. and the wind blows.. and the power fails.. and amps fail.. and well... there is always next year."

K6LL also had his challenges in SOUHP, but they were more gradual: "With Solar Flux at 179 and K Index < 1 at the start of the contest, I had high hopes for a massive three-band opening to Europe on Sunday morning, but it was a big disappointment. The K Index suddenly jumped to 3 on Sunday morning, and the opening was a dud." Not only that, one of his MORTTY FSK encoders started acting up, and his left-hand radio failed, but

he still had one radio: "With the left side radio and amp out of action, the duty cycle on the right side increased. Midway through the afternoon, while CQ'ing on 20, I noticed that the power output of the amp had dropped to about 800 watts. I retuned, and brought it back to 1500, but the position of the capacitor knobs was quite different than normal. It still worked fine on 20, 15 and 10, so I kept going. About an hour before the contest ended, I went to put the amp on 40, and it absolutely would not tune. I suspect that something failed or came unsoldered in the tank circuit with all the heat."

That atmospheric river took a toll all over the west. At N6GEO (SOULP) "Storm took down 20/15/10 doublet just before the contest. On Friday, swapped out 6-meter Yagi off tower for a TH3JRS, which performed adequately despite being 50 ft lower than the doublet it replaced." The Multi-Single VA7MAY at VA7MM: "An hour into the contest we had a power outage that lasted about four hours. When the power came back on the station computer would not boot up due to a power supply malfunction. Two hours after that, with the installation of a spare power supply we had on hand, our computer was running but we had lost about six hours of prime-time operation at the outset of the event. Nevertheless, we made contacts on all contest bands with some good runs of US stations and European contacts on 40, 20 and 15m. Thanks for the contacts and HNY! May and Mark." And back at W1RH, California hurricane central "Had huge winds on the mountain Saturday night that broke the top off of a power pole. Spent all of Sunday on generator. Limited time to operate on Saturday. Still on generator as I write this."

Midwest Region

(Dakota, Midwest, Rocky Mountain and West Gulf Divisions; Manitoba and Saskatchewan Sections)

ACØC	295,120	SOHP
AD5XD	126,984	SOHP
NØAT	121,900	SOHP
N7WY	113,080	SOHP
VE5CPU	76,125	SOHP
KØTI	111,111	SOLP
VE5SF	71,064	SOLP
KFØUR	70,512	SOLP
W5ITR	66,895	SOLP

VE5KS	50,934	SOLP
WDØT	69,042	SOQRP
AA5KD	15,768	SOQRP
WDØBGZ	10,530	SOQRP
KB7EEG	9,308	SOQRP
KC9ZQW	1,080	SOQRP
WØLSD	217,412	SOUHP
NØXR (@NØNI)	208,104	SOUHP
KØMD	173,043	SOUHP
WØPR	123,172	SOUHP
NXØI	91,770	SOUHP
NØHJZ	107,040	SOULP
KG5VK	80,878	SOULP
AD1C	72,802	SOULP
AEØDX	57,594	SOULP
K4IU	51,211	SOULP
W7RY	43,977	SOUQRP
NØUR	10,584	SOUQRP
WØSD	220,311	MSHP
K5RZA	88,200	MSHP
WTØDX	85,054	MSLP
KOØZ	40,092	MSLP
WSØZ	38,760	MSLP
W5NN	52,430	M2

Meanwhile, the Midwest was uncharacteristically mild, perhaps helping ACØC to a first place overall in SOHP. That, and he had "...put up a couple of new 10m antennas last year and this was the first time to have some EU prop to see if they worked; pretty good so far. No other surprises came up - it's always great to finish a RTTY contest without equipment breakdowns. In fact, wanting to find a way to give gear a serious workout is how I got interested in RTTY contesting in the first place. Even the weather cooperated and the expected local QRN was absent."

There were more first places in the temperate Midwest, like WDØT: "Was going to operate at WØSD multi, but work kept me here near town and at my QTH, so gave QRP a shot, it was good actually, bands were good overall. Sure, a lot of fun to do this

one SO2R, been a while since I've been set up to do that, a few years ago anyhow. Conditions seemed very good; propagation decent for this part of the cycle." Seldom has work turned out to have a positive effect on a contesting effort - this was also a new overall SOQRP record for W/VE!

QRP was also a first-place success at W7RY in the Unlimited category. WØLSD also had a good weekend SOUQRP: "Propagation was the best in years. From out here it appeared the EU participation was really low, especially "running", rather than SP. Mult score really suffered. My personal best score."

And VE5KS (SOLP) had a lesson for us all: "I made a rookie mistake on Sunday morning, I forgot to switch to my beam when working on 20-10m I wondered why the signals were so low and it turned out that the signals are much weaker when you are using an inverted-V instead of a tri-bander.... note for next contest.. check which antenna I am using." Raise your hand if you never made this mistake... yeah, I thought so!

Central Region

(Central and Great Lakes Divisions; Ontario East, Ontario North, Ontario South, and Golden Horseshoe Sections)

N8RU	86,730	SOHP
K9UC	65,170	SOHP
WA8MCD	51,678	SOHP
VE3GYL	51,480	SOHP
VE3TW	48,519	SOHP

K9WX	114,945	SOLP
AA8CA	59,241	SOLP
N8CWU	52,065	SOLP
AD4TA	47,232	SOLP
W9TD	41,028	SOLP

WZ8P	32,864	SOQRP
VE3JZT	81	SOQRP

KI6DY	186,468	SOUHP
AI9T	124,992	SOUHP
K9CT	120,250	SOUHP
K9WO	112,774	SOUHP
VA3DF	108,927	SOUHP
VE3MGY	112,560	SOULP

K9PW	90,797	SOULP
N8HRZ	89,452	SOULP
WT9U	74,200	SOULP
KYØQ	57,421	SOULP
VE3NZ	9,420	SOUQRP
K8ZT	700	SOUQRP
K9YY	139,708	MSHP
N4SS	132,632	MSHP
KD9V	55,076	MSHP
N8LRG	27,679	MSHP
K8BZ	16,821	MSHP
VA3LML	28,908	MSLP
K9IU	667	MSLP
K3GP	139,216	M2
WB9TFF	63,080	M2
W8FT	15,189	M2
K9NR	43,110	MM

VE3NZ finished third overall in Unlimited QRP, using only "...250 mW (same power as a single LED on the Christmas tree) into 3EL on 10M, verticals on 15M, 20M and 80M, and a dipole on 40M." Wow! Ben "Tried calling CQ too and got a few answers, but mainly had to do S&P. 10M did not meet my expectations, however 15 and 40 was great for DX and NA as well. After a long lunch break Sunday, I went back to 20M to have more fun. It is amazing what 250mW can do when your wires are at half decent height." Um, yeah!

WB9TFF placed ninth overall in Multi-two. And operating low power: "First time as multi-op M2, low power, 2 transmitters. WB9TFF Donna and WB9TFH Gil. We used Ugly bandpass filters that I made. Antennas were yagi at 51 feet, 135 ft. inverted V doublet at 50 feet and ground mounted 5 band vertical. We had a good score combined; we never reached this goal before individually contesting. May operate other contests as multi M2." I think you should!

AI9T racked up an impressive SOUHP score with a severely compromised antenna: "Was planning to do

M/S this weekend but plans changed. When I started to get everything ready early Saturday I found that the SWR was high on 20 and 15 meters on my 3 element Steppir.. The day before it was fine. I was able to change the length of the driven element for SWR but I'm sure it degraded the overall performance. Band conditions Sunday were great for stateside and SA. Worked everybody I heard without moving an antenna."

AA8CA learned that maybe the newest is not the bestest: "My mistake is using a computer with a Windows 11 operating system. With Edge or Chrome running it is impossible to transmit "CQ AA8CA AA8CA CQ". SO2R with MK2R+. All transferred to MAC mini? Windows 10. Boot camp. No problem at all."

And we have a little commentary from KI6DY (SOUHP) "A lot more fun now that it's only RTTY. Not many dull moments. My best score ever. And VA3DF (also SOUHP) "As usual, it's a jungle out there..." Indeed.

Southeast Region

(Delta, Roanoke and Southeastern Divisions)

K5XH	168,468	SOHP
N5YT	128,856	SOHP
WF4W	99,736	SOHP
KF4FC	74,366	SOHP
W4UK	68,191	SOHP
W4AAA (KK9A, op)	217,080	SOLP
WQ5L	83,824	SOLP
K8ARY	73,748	SOLP
AA4DD	71,500	SOLP
WA3LXD	66,432	SOLP
K4XL	44,115	SOQRP
WU4G	9,164	SOQRP
AD4TT	4,896	SOQRP
N3RN	4,180	SOQRP
K2PI	1,377	SOQRP
AD4EB	224,688	SOUHP
N4IQ	138,168	SOUHP
K9OM	138,136	SOUHP
W4NF	128,280	SOUHP
WO4O	127,690	SOUHP

AA5AU	239,785	SOULP
KA4RRU	143,472	SOULP
N9TF	47,288	SOULP
K2MK	42,245	SOULP
K4MIL	25,752	SOULP
W4RN	3,312	SOUQRP
AD4ES	120,512	MSHP
AC8Y	114,695	MSHP
W4MLB	78,806	MSHP
W5YD	10,972	MSHP
KS3H	58,734	MSLP
WA1F	46,170	MSLP
W4BNO	5,600	MSLP
KT4XA	2,881	MSLP
NJ4P	401,744	M2
NA4DA	191,015	M2

The also-temperate Southeast produced three first-place finishes. W4AAA (op KK9A) in SOLP says the Roundup "...is a great way to start the new year! My fastest rate came during the first hour of the contest while running on 15m and 20m with the majority of contacts coming from 20m. It is great when a contest starts well! There was a lot of U.S. activity and conditions were good, so I did not have any really slow hours. I kept two transceivers busy for the entire 24 hours. The Sunday morning 20m opening to Europe did not last as long as I had hoped but the great 15m opening more than made up for it. More than half of my 15m QSOs were in Europe. 10m also opened to many parts of the world."

NJ4P first-place Multi-two: "Well... THAT was Fun! The first few hours did not look good, the west coast guys were manhandling us on the high bands, and we just had to take it... Thankfully the low bands evened it up a bit. Everyone on the scoreboard fought hard and only in the last few hours stopped trading places. Great job to all the M/2's." And a new Multi-two overall W/VE record! AA5AU, a man of few words this time (hihi) scored first overall in SOULP.

AD4EB ran up a big score in SOUHP for third overall: "Wanted to break my old RU record score of 173K, mission accomplished. Many long exchanges

and dupes encountered this year, probably a sign more people are just getting started in RTTY contesting which is a good thing. Enjoyed the contest, glad I hung in there for the duration." Us too!

Northeast Region

(New England, Hudson and Atlantic Divisions; New Brunswick, Nova Scotia, and Quebec Sections)

AA3B	286,649	SOHP
N3QE	151,646	SOHP
AE1P	130,570	SOHP
N2WK	122,436	SOHP
NG1M	103,851	SOHP
NN1D	110,201	SOLP
K3RWN	93,394	SOLP
KW1X	77,871	SOLP
W1QK	70,300	SOLP
VE2BVV	67,098	SOLP
K2YG	56,814	SOQRP
KO1H	30,192	SOQRP
WB3DPS	13,920	SOQRP
WD8RYV	450	SOQRP
WW2G	315	SOQRP
K3MM	281,029	SOUHP
K1LZ	280,416	SOUHP
K1MK (@K1TTT)	172,658	SOUHP
W3LL	134,070	SOUHP
W3FIZ	127,322	SOUHP
W3KB	56,695	SOULP
K2DFC	49,590	SOULP
N2CJ	44,411	SOULP
WA2DNI	39,150	SOULP
K3QP	38,092	SOULP
K3AJ	181,040	MSHP
K3CCR	59,664	MSHP
AK2S	17,095	MSHP
K9RS	12,384	MSHP
NS3L	4,368	MSHP
W2NTN	70,494	MSLP
W3ZGD	50,589	MSLP
N7ECM	20,332	MSLP
N1SOH	17,111	MSLP

KG5TA	10,224	MSLP	EA5JDN	SOUHP	8,595	191
W3GH	253,011	MM	K6BIR	SOLP	10,416	186
KB3VQC	132,132	MM	NN6NN	SOHP	6,708	172

The Northeast had two first-place overalls (sounds like farm clothes), K3MM by a whisker in SOUHP and W3GH by almost the same whisker in MM (and a new MM W/VE record!). NG1M (SOHP) reported that this “...was my first contest as a RETIRED PERSON! You’d figure being retired I’d have more butt-in-chair time than last year – life is funny! I was able to work every state in the Union, include HI & AK, but came up shy on the Canadian providences, thus missing some multipliers. I REALLY LOVE THIS CONTEST – it is one of my favorites!” Mine too! K3CCR (MSHP) clarified that this “is the club station at the Collington continuing-care retirement community in MD, just east of DC.” That’s good because any residential station would be afraid of that call! “N3UM and W5MPB did Multi-1 HP. We hoped to do Multi-2; our old K3 with Signalink did RTTY FB recently. But [right before the contest] it would receive and key, but no Tx power. Remedies and rig-swaps failed; we fell back to Multi-1 and started 2.2 hrs. Late.”

Golden Logs

A Golden Log is arbitrarily defined as a log with no errors and with at least 100 QSOs. Historically the top logs have always had around 300-400 QSOs. Congratulations to this year's top Golden Log, submitted by VE1LD with an impressive 400 QSOs (even!) and a respectable 30,800 points in the Single Op Low Power category. And this year we again have two repeat appearances in this listing. Last year KIØJ also had a Golden Log with 201 QSOs. And, we have K6BIR for their third year in a row, having Golden Logs with 154 QSOs in 2022 and 214 QSOs in 2021. Keep up the good work!

Golden Logs

Call	Category	Score	QSOs
VE1LD	SOLP	30,800	400
KIØJ	SOLP	21,440	320
N1SOH	MSLP	17,111	241
VE4/KØMKL	SOLP	11,816	211
K3FH	SOUHP	13,455	207
W8TB	SOLP	10,864	194

KR2D	SOLP	8,466	166
K1RO	SOLP	9,120	160
KC2WUF	SOLP	8,792	157
ND4G	SOHP	9,702	154
K2DD	SOLP	9,240	154
N3KN	SOLP	8,512	152
KEØL	SOULP	7,248	151
KS4X	SOULP	10,658	146
AD7L	SOLP	7,830	145
K8ESQ	SOUHP	11,200	140
KCØNFB	SOLP	7,038	138
OZ6TL	CHECKLOG	4,500	125
DL5KUT	SOUHP	5,566	121
K5WP	SOHP	5,640	120
VE2QV	SOLP	5,772	111
K9JM	SOULP	5,500	110
PA3DUU	SOULP	4,095	105
KCØV	SOHP	4,600	100
K1GU	SOLP	4,700	100

Loggers

Speaking of logs, I thought I’d check and see what loggers are being used in the Roundup. Far and away the choice of most Roundup entrants is N1MM (usually N1MM+).

Reported Logging Program Used	
<i>(10 or more reported)</i>	
Logger (all versions)	Logs
N1MM	1,110
N3FJP	160
WRITELOG	96
MIXW	73
QARTEST	63
CTESTWIN	49
Unknown	42
DXLOG.NET	36
UCXLOG	27
WIN-TEST	24
FLDIGI	24
5MCONTEST	19
WA7BNM	15
RUMLOGNG	11

DX Results

DX Participation, Logs Received by Continent						
Continent	2018	2019	2020	2021	2022	2023
Africa	5	8	4	3	4	2
Asia	117	209	152	150	153	103
Europe	490	683	620	636	607	498
North America (non W/VE)	22	18	27	17	40	38
Oceania	33	69	40	47	41	26
South America	26	71	40	31	47	38
Total logs	693	1,072	883	884	892	705

DX participation I'd say was flat as always even though it looks down due to the removal of FT*, it helps to compare with the last non-FT year 2018, With the exception that DX in both Americas holding on to their FT* gains. The Roundup is at its heart a DX contest; it sure would be great to get more DX participating!

Top Ten- DX

Single Operator, High Power

P49X (WØYK, op)	338,715
OK7W	221,796
LC3A	157,024
UW1M	151,728
ZZ2T (PY2MNL, op)	144,650
SO4M	142,025
KH6ZM	97,353
IK3ORD	96,390
DL3BQA	81,002
I4JED	73,233

Single Operator, Low Power

HI3T	105,534
PJ4JP (WA2BOT, op)	96,224
KP2B (WP3A, op)	76,992
PZ5RA	63,518
IR9D (IW3RUA, op)	63,428
SV2AEL	57,939
KH6CJJ	57,318
TI2OY	42,000
LU6ETB	37,422
IT9VCE	37,191

Single Operator, QRP

TI2YO	30,668
TG9ADQ	24,486
IK2SGF	16,310
SP4NKJ	13,915
DF2F (DF2SD, op)	11,072
GM1J (MMØBQI, op)	6,625
YU1RH	4,880
TI2BSH	4,420
SP2UUU	3,430
EA1GT	3,344

Single Operator Unlimited, High Power

9A5W	189,420
S53M	172,085
PV2K (PY2KNK, op)	150,765
HG5D (HA8QZ, op)	137,385
LY5W	99,484
OG2P	96,500
SM2M (SM2LIY, op)	89,426
PY5AMF	82,838
OH2HAN	78,330
G3ORY	66,761

Single Operator Unlimited, Low Power

TM3Z (F4DSK, op)	204,408
EA4GOY	143,840
EA4AOC	111,807
PA4O	77,625
ON5GQ	75,339
EA5DF	74,918
HI3MM	63,448
EA4BAS	61,215
IW2MXY	51,600
HI3K	50,464

Single Operator Unlimited, QRP

RM5F	27,755
SP3EMA	19,516
IU1HHH	6,669
YU1LM	6,027
PE2K	4,950
TA9J	3,696

Multioperator, Single Transmitter, High Power

YU5R	139,476
OK7O	113,109
G3B	49,764
SD3T	33,417
SB7A	23,638

Multioperator, Single Transmitter, Low Power

9A7T	75,670
S57ZT	29,522
HI8SDR	20,824
PR4C	8,007
OK1OFM	1,269
IQ2DN	561
JK2VOC	208

Multioperator, Two Transmitter

EI7M	302,841
OH5Z	86,394
OZ4GM	36,225

Multioperator, Multitransmitter

DP9A	253,440
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P49X (Ed, WØYK, op) was once again on top of the world. He writes “This was a fun 24 hours contesting with not nearly the number and severity of issues I encountered in the September CQ WW RTTY Contest. Thanks to all participants, serious or otherwise, because it makes it great for everyone... I started on 15 and 20 which was, of course, a mistake. I should have been on 10 instead of 20 which was very muted.

At 19 UTC, I moved the 20-meter radio to 10 and its rate increased 250%. In good years, I enjoy 200+ rates in the first four hours of RU. This year, I finished the first 4 hours with just 761 QSOs, discouraging. It looked like I was headed for one of the worst results of my 18 years doing this contest from Aruba. It seemed I might have the lowest total QSOs ever, excluding the first couple of years. Certainly, it looked as though it would be below 3,000 as it has been since 2018. So, after the dismal start, I set 3,000 as a stretch goal, pretty sure I wouldn't reach it, but it kept me motivated. At the end, I barely made it, to 3,016.” And still came in first SOHP!

OK7W was first runner-up: “I knew before the contest that there should be great conditions on high

bands, so I started on 20m. It's hard to say if that was a good move or not, but the first two hours had nice rates. Unfortunately, then the rate came down. I guess it's because lots of US stations enjoy already working high bands and not calling me on 40m :(.

But I knew I will be compensated next day afternoon on 20 and 15. And it was!

The best 60-minute rate was 147/hour from 15:07 to 16:06 - that was great, and I really enjoyed it, both radios of 2BSIQ operation was full of strong callers :). And the fun fact is, looking to my 2022 stats, I see that the best rate was in the same minutes from 15:07 to 16:06! - what a coincidence :).

The contest was fun with the 2BSIQ and nice openings. Thanks for organizing the test!

In SOLP, HI3T came in first with a very compromised station: “The station worked perfectly. I worked the entire contest with only 2 elements of 4 of my Steppir (discovered the next day). Otherwise very, very happy, even if it is not my best ending... I am very happy with my results HIHI. P.S. Thanks for very special messages during the contest!” I also like getting special messages during contests, but maybe not when I'm running 200/hr!

First place EI7M in M2: “Apologies about sent serial number problems for first 20 or so QSOs - software problem fixed after that. Good fun with nice conditions, especially on the high bands, and it was great to have some visiting newcomers to get a taste of contesting. Thanks for all the QSOs and HNY! (How many of us, when doing their first Roundup, thought people were calling you HONEY?)

It was easy for DP9A to place first in MM, being the only DX entry in the category! But still a nice effort: “Not a real multi-multi. We tested the first hour with 5 stations. At night 2 OP (80, 40), during the day 3 OP, at times only 1 OP. Very nice that 10m was open between North America and Germany.

All states except ND, NM, and WY could be reached. No spot in the cluster and nobody who called in from the missing states. Surprisingly no QSO with VE4, VE9 and VO1 and (less surprisingly) with VE8, VY1 and VY0.”

Continental Winners

Africa		
Single Operator, High Power	ZD7BG	16,870
Single Operator, Low Power	EA8OM (DJ1OJ, op)	4,559

Multioperator, Single Transmitter,
Low Power PR4C 8,007

The Records

Asia		
Single Operator, High Power	JA7ACM	17,080
Single Operator, Low Power	7N2UQC	11,460
Single Operator, QRP	JH7UJU	2,752
Single Operator Unlimited, High Power	J11LET	23,542
Single Operator Unlimited, Low Power	JG1LFR	13,048
Single Operator Unlimited, QRP	TA9J	3,696
Multioperator, Single Transmitter, Low Power	JK2VOC	208

Europe		
Single Operator, High Power	OK7W	221,796
Single Operator, Low Power	IR9D (IW3RUA, op)	63,428
Single Operator, QRP	IK2SGF	16,310
Single Operator Unlimited, High Power	9A5W	189,420
Single Operator Unlimited, Low Power	TM3Z (F4DSK, op)	204,408
Single Operator Unlimited, QRP	RM5F	27,755
Multioperator, Single Transmitter, High Power	YU5R	139,476
Multioperator, Single Transmitter, Low Power	9A7T	75,670
Multioperator, Two Transmitter	EI7M	302,841
Multioperator, Multitransmitter	DP9A	253,440

North America		
Single Operator, High Power	KL7SB	56,637
Single Operator, Low Power	HI3T	105,534
Single Operator, QRP	TI2YO	30,668
Single Operator Unlimited, High Power	AL2F	7,098
Single Operator Unlimited, Low Power	HI3MM	63,448
Multioperator, Single Transmitter, Low Power	HI8SDR	20,824

Oceania		
Single Operator, High Power	KH6ZM	97,353
Single Operator, Low Power	KH6CJJ	57,318
Single Operator Unlimited, Low Power	YB9ELS	14,008

South America		
Single Operator, High Power	P49X (WØYK, op)	338,715
Single Operator, Low Power	PJ4JP (WA2BOT, op)	96,224
Single Operator Unlimited, High Power	PV2K (PY2KNK, op)	150,765
Single Operator Unlimited, Low Power	PU1JSV	34,400

Overall Records - W/VE				
<i>New records in bold. *=Category retired in 2022</i>				
<i>(NOTE: The retired SO-RTTY and SOU-RTTY records have been rolled into the SO and SOU records.)</i>				
Call	Score	Category	Sec	Year
AB5K	347,625	SOHP	NTX	2014
AA5AU	274,944	SOLP	LA	2012
WDØT	69,042	SOQRP	SD	2023
KI1G	357,576	SOUHP	RI	2015
AA5AU	280,704	SOULP	LA	2015
NØUR	60,876	SOUQRP	MN	2020
N8OO	255,996	SOU-MIX-HP*	LA	2021
W9SN	158,662	SOU-MIX-LP*	TN	2021
NØUR	51,552	SOU-MIX-QRP*	MN	2022
W1UE	141,504	SOU-DIG-HP*	EMA	2021
W1UE	107,046	SOU-DIG-LP*	EMA	2022
WM5L	10,945	SOU-DIG-QRP*	WTX	2021
NØNI	298,934	MSHP	IA	2014
NØNI	210,500	MSLP	IA	2010
NA5NN	55,272	MSQRP	MS	2020
NJ4P	401,744	M2	TN	2023
W3GH	253,011	MM	WPA	2023

Overall Records - DX				
<i>New records in bold. *=Category retired in 2022</i>				
<i>(NOTE: The retired SO-RTTY and SOU-RTTY records have been rolled into the SO and SOU records)</i>				
Call	Score	Category	Cty	Year
P49X (WØYK, op)	468,720	SOHP	P4	2015
HI3TEJ	183,885	SOLP	HI	2009
F5BEG	49,036	SOQRP	F	2020
P49X (WØYK, op)	309,348	SOUHP	P4	2019
TM3Z (F4DSK, op)	204,408	SOULP	F	2023
RM5F	27,755	SOUQRP	UA	2023
5B4AMM	117,216	SOU-MIX-HP*	5B	2022
EW7B	50,310	SOU-MIX-LP*	EU	2021
PC2F	7,956	SOU-MIX-QRP*	PA	2021
CT2FEY	43,596	SOU-DIG-HP*	CT	2022
SV2AEL	30,178	SOU-DIG-LP*	SV	2021
PA3EOU	10,865	SOU-DIG-QRP*	PA	2022

PJ2N	279,554	MSHP	PJ2	2012
KP2D	171,454	MSLP	KP2	2007
EI7M	302,841	M2	EI	2023

M2	Southeastern	NA4DA	191,015
M2	Southwestern	NA7TB	318,060
M2	West Gulf	W5NN	52,430
M2	Canada	VE7SCC	154,068
MM	Atlantic	W3GH	253,011
MM	Central	K9NR	43,110
MM	Pacific	N6WM	250,676

Now that RTTY Roundup is a true RTTY-Only event, the Single Operator Unlimited Mixed and Digital-Only categories introduced in 2021 have been retired. Those records will remain in perpetuity. The RTTY-Only records from 2021 and 2011 will be rolled into the Single Operator and Single Operator Unlimited records.

As noted in the tables above, there were three new W/VE overall records set this year, by WDØT in SOQRP, NJ4P in M2, and W3GH in MM. New DX overall records were set by TM3Z (F4DSK op) in SOULP, RM5F in SOUQRP, and EI7M in M2. (Has anyone noticed that there have been no DX MM entries since the category was added to the Roundup? (RTTY DXpedition anyone?))

There are lots of new Division records in W/VE! I counted 29. And there are 6 new records for DX Continental records.

New Division Records

Category	Division	Call	Score
SOHP	Midwest	ACØC	295,120
SOLP	Roanoke	W4AAA (KK9A, op)	217,080
SOQRP	Atlantic	WB3DPS	13,920
SOQRP	Dakota	WDØT	69,042
SOQRP	Great Lakes	WZ8P	32,864
SOQRP	Hudson	K2YG	56,814
SOQRP	New England	KO1H	30,192
SOQRP	Northwestern	KTØP	8,352
SOQRP	Pacific	K6GHA	26,013
SOQRP	Roanoke	K4XL	44,115
SOQRP	Rocky Mountain	KB7EEG	9,308
SOUHP	Dakota	KØMD	173,043
SOUHP	Great Lakes	KI6DY	186,468
SOUHP	Midwest	NØXR (@NØNI)	208,104
SOULP	Dakota	NØHJZ	107,040
SOULP	Pacific	K6EI	89,910
SOUQRP	Roanoke	W4RN	3,312
SOUQRP	Canada	VE3NZ	9,420
MSHP	Atlantic	K3AJ	181,040
M2	Central	WB9TFF	63,080
M2	Delta	NJ4P	401,744
M2	Northwestern	K7RU	272,698

New DX Continental Records

Category	Continent	Call	Score
SOQRP	North America	TI2YO	30,668
SOULP	Europe	TM3Z (F4DSK, op)	204,408
M2	Europe	EI7M	302,841

Continental Records by Continent

Continental Records by Continent				
<i>(new records in bold)</i>				
<i>(* indicates originally entered in RTTY-ONLY category)</i>				
Call	Score	Category	Cty	Year
Africa				
V5/DL9NDS	183,655	SOHP	V5	2014
5C5W (CN8KD, op)	146,133	SOLP	CN	2009
EA8PT	27,440	SOUHP	EA8	2020
EA8OM	50,140	SOULP	EA8	2014
ZD7BG	3,182	SOU-DIG-HP	ZD7	2022
CT9M	206,142	MSHP	CT3	2008
CS9Z	51,775	MSLP	CT3	2006
Antarctica				
DP1POL (DL5XL, op)	19,278	SOHP	CE9	2010
Asia				
5B4AIF	117,824	SOHP	5B	2012
ZC4LI	73,429	SOLP	ZC4	2012
JA6WFM	3,030	SOQRP*	JA	2021
P3X (5B4AMM, op)	139,810	SOUHP	5B	2017
JP1QDH	30,618	SOULP	JA	2014
JG1LFR	3,885	SOUQRP	JA	2020
5B4AMM	117,216	SOU-MIX-HP	5B	2022
JH7RTQ	20,448	SOU-MIX-LP	JA	2021
7L4IOU	345	SOU-MIX-QRP	JA	2021
JO7KMB	13,969	SOU-DIG-HP	JA	2021
BG8GAM	12,152	SOU-DIG-LP	BY	2021
TA3OWL	931	SOU-DIG-QRP	TA	2021

RW9C	100,548	MSHP	UA9	2002
UO6P	26,904	MSLP	UN	2005
Europe				
G6PZ (UT5UDX, op)	278,528	SOHP	G	2013
F6IRF	130,806	SOLP	F	2006
F5BEG	49,036	SOQRP	F	2020
LZ8E (LZ2BE, op)	255,080	SOUHP	LZ	2014
TM3Z (F4DSK, op)	204,408	SOULP	F	2023
RM5F	29,184	SOUQRP*	UA	2022
YO9HP	99,327	SOU-MIX-HP	YO	2021
EW7B	50,310	SOU-MIX-LP	EU	2021
PC2F	7,956	SOU-MIX-QRP	PA	2021
CT2FEY	43,596	SOU-DIG-HP	CT	2022
SV2AEL	30,178	SOU-DIG-LP	SV	2021
PA3EOU	10,865	SOU-DIG-QRP	PA	2022
EI7M	219,604	MSHP	EI	2013
EA1DR	129,840	MSLP	EA	2012
EI7M	302,841	M2	EI	2023
North America				
ZF1A (W9KKN, op)	331,680	SOHP*	ZF	2022
HI3TEJ	183,885	SOLP	HI	2009
TI2YO	30,668	SOQRP	TI	2023
XE2K	174,570	SOUHP	XE	2014
XE2K	139,314	SOULP	XE	2016
CM3EFM	8,007	SOUQRP*	CM	2022
KL7DE	5,577	SOU-MIX-LP	KL	2022
KL7TC	38,346	SOU-DIG-HP	KL	2022
NP4TX	24,069	SOU-DIG-LP	KP4	2022
NP2Q	2,117	SOU-DIG-QRP	KP2	2022
WP2NN	269,008	MSHP	KP2	2013
KP2D	171,454	MSLP	KP2	2007
Oceania				
KH6ZM	163,822	SOHP	KH6	2012
KH6ZM	108,388	SOLP	KH6	2013
YC4SIZ	476	SOQRP*	YB	2022
KH6ZM	83,472	SOUHP	KH6	2017
KH6ZM	98,212	SOULP	KH6	2016
YB2BNN	140	SOUQRP	YB	2020
4F3BZ	11,745	SOU-MIX-LP	DU	2022
NH6O	442	SOU-MIX-QRP	KH6	2022
DU3TW	6,360	SOU-DIG-HP	DU	2021
VL3M	2,628	SOU-DIG-LP	VK	2022

KH7Q	82,104	MSHP	KH6	2005
YB1ALL	34,191	MSLP	YB	2012
South America				
P49X (WØYK, op)	468,720	SOHP	P4	2015
P4ØYL (AI6YL, op)	177,480	SOLP	P4	2012
PU2YMH	1,540	SOQRP*	PY	2022
P49X (WØYK, op)	309,348	SOUHP	P4	2019
YV1KK	167,388	SOULP	YV	2016
PY2MQ	42	SOUQRP	PY	2020
LU5VV	72,474	SOU-MIX-HP	LU	2021
YV4ABR	41,680	SOU-MIX-LP	YV	2022
LU6ETB	8,533	SOU-DIG-HP	LU	2022
YV5KAJ	14,904	SOU-DIG-LP	YV	2021
PJ2N	279,554	MSHP	PJ2	2012
ZX2B	119,886	MSLP	PY	2010
Maritime Mobile				
N4TRA/MM	143	MSLP	MM	1989

Division Records				
<i>(New records in Bold)</i>				
<i>(* indicates originally entered in RTTY-ONLY category)</i>				
Call	Score	Category	Div	Year
Atlantic Division				
AA3B	310,863	SOHP	EPA	2012
WØBR	141,480	SOLP	EPA	2012
WB3DPS	13,920	SOQRP	WPA	2023
K3MM	286,488	SOUHP*	MDC	2022
WW3S	139,040	SOULP*	WPA	2021
KD2EFR	6,862	SOUQRP*	WNY	2022
K3AJ	181,040	MSHP	MDC	2023
NA3M	162,992	SOU-MIX-HP	MDC	2022
WA3AAN	60,630	SOU-MIX-LP	EPA	2021
N8URE	6,321	SOU-MIX-QRP	MDC	2022
AG2J	55,752	SOU-DIG-HP	SNJ	2021
WA2BOT	66,833	SOU-DIG-LP	NNY	2021
WA9QXY	836	SOU-DIG-QRP	WPA	2021
N2WK	162,503	MSLP	WNY	2014
W2ROO	13,847	MSQRP	WNY	2020
K3CCR	118,932	M2	MDC	2021
W3GH	253,011	MM	WPA	2023
Central Division				

AI9T	218,377	SOHP	IL	2013
N9CK	192,120	SOLP	WI	2015
K9CT	267,197	SOUHP*	IL	2022
WE9V	187,354	SOULP	WI	2014
N2BJ	68,646	SOU-MIX-HP	IL	2022
KB9S	46,725	SOU-MIX-LP	WI	2022
NE9U	27,145	SOU-DIG-HP	WI	2021
N7ZZ	33,152	SOU-DIG-LP	WI	2021
KT8O	9,750	SOU-DIG-QRP	IN	2022
K9NS	222,176	MSHP	IL	2003
K9NR	128,810	MSLP	IL	2015
WB9TFF	63,080	M2	WI	2023
K9NR	43,110	MM	IL	2023
Dakota Division				
KØIR	196,000	SOHP	MN	2010
NØAT	199,200	SOLP	MN	2013
WDØT	69,042	SOQRP	SD	2023
KØMD	173,043	SOUHP	MN	2023
NØHJZ	107,040	SOULP	MN	2023
NØUR	60,876	SOUQRP	MN	2020
NØBAK	36,360	SOU-MIX-HP	MN	2022
NØFJP	19,293	SOU-MIX-LP	MN	2022
NØUR	51,552	SOU-MIX-QRP	MN	2022
KØTLG	10,422	SOU-DIG-HP	MN	2022
ACØDA	34,103	SOU-DIG-LP	MN	2022
KØHW	936	SOU-DIG-QRP	SD	2022
WØSD	252,830	MSHP	SD	2012
NØHJZ	81,144	MSLP	MN	2012
Delta Division				
KI5XP	266,936	SOHP	LA	2009
AA5AU	274,944	SOLP	LA	2012
W9SN	256,053	SOUHP	TN	2016
AA5AU	280,704	SOULP	LA	2015
N8OO	255,996	SOU-MIX-HP	LA	2021
W9SN	158,662	SOU-MIX-LP	TN	2021
KF8PD	4,032	SOU-DIG-HP	MS	2021
AJ6T	22,360	SOU-DIG-LP	TN	2022
NJ4P	401,744	M2	TN	2023
KN5O	219,648	MSHP	LA	2014
N5ZM	177,580	MSLP	AR	2012
NA5NN	55,272	MSQRP	MS	2020
Great Lakes Division				

N8BJQ	167,680	SOHP	OH	2013
K9TM	117,705	SOLP	OH	1999
WZ8P	32,864	SOQRP	OH	2023
KI6DY	186,468	SOUHP	OH	2023
AA8R	127,897	SOULP	MI	2014
AC8ZU	18,904	SOUQRP	OH	2020
KI6DY	140,672	SOU-MIX-HP	OH	2022
N8CWU	59,760	SOU-MIX-LP	OH	2022
K8ZT	2,646	SOU-MIX-QRP	OH	2022
KC8GAE	19,890	SOU-DIG-HP	OH	2021
W4UWC	49,425	SOU-DIG-LP	KY	2022
N8ME	7,992	SOU-DIG-QRP	OH	2021
N8NR	146,850	MSHP	OH	2011
AA8R	123,308	MSLP	MI	2015
NW8S	227,808	M2	OH	2021
W8BAP	31,330	MM	OH	2022
Hudson Division				
N2KI	166,750	SOHP	ENY	2014
K2DSL	95,452	SOLP	NNJ	2015
K2YG	56,814	SOQRP	NNJ	2023
NY6DX	119,640	SOUHP	NLI	2015
KU2M	77,066	SOULP	NNJ	2016
K4KGG	65,758	SOU-MIX-HP	ENY	2021
KC2WUF	47,502	SOU-MIX-LP	NNJ	2022
K2IW	9,882	SOU-DIG-HP	ENY	2021
K2GLS	13,910	SOU-DIG-LP	NNJ	2021
NY6DX	131,322	MSHP	NLI	2022
K2DS	98,333	MSLP	ENY	1998
Midwest Division				
ACØC	295,120	SOHP	KS	2023
N3SL	143,910	SOLP	IA	2003
NØNI	32,163	SOQRP*	IA	2021
NØXR (@NØNI)	208,104	SOUHP	IA	2023
KI6DY	117,600	SOULP	KS	2018
WØGJ	44,571	SOUQRP	IA	2020
W7II	66,483	SOU-MIX-HP	IA	2021
KAØBOJ	17,160	SOU-MIX-LP	NE	2022
NFØN	14,022	SOU-DIG-HP	NE	2022
KB3HF	17,766	SOU-DIG-LP	MO	2022
KEØPRK	902	SOU-DIG-QRP	MO	2022
NØNI	298,934	MSHP	IA	2014
NØNI	210,500	MSLP	IA	2010
New England Division				

KI1G	317,814	SOHP	RI	2012
N1RCT	140,220	SOLP	ME	1999
KO1H	30,192	SOQRP	ME	2023
KI1G	357,576	SOUHP	RI	2015
K1SD	113,100	SOULP	RI	2014
N1VVV	1,891	SOUQRP	ME	2020
N1RR	22,081	SOU-MIX-HP	EMA	2021
W1HS	41,574	SOU-MIX-LP	NH	2021
W1UE	141,504	SOU-DIG-HP	EMA	2021
W1UE	107,046	SOU-DIG-LP	EMA	2022
K1SFA	224,250	MSHP	WMA	2013
W1SLF	102,144	MSLP	ME	2012
WB8PKK	84,600	M2	WMA	2022
WW4LL	174,615	MM	ME	2021
Northwestern Division				
W7RY	210,041	SOHP	WWA	2015
K2PO	194,235	SOLP	OR	2014
KTØP	8,352	SOQRP	MT	2023
W7RY	192,458	SOUHP	WWA	2014
KB7Q (@WA7U)	170,362	SOULP	MT	2015
W7CD	4,032	SOUQRP	WWA	2020
KA6BIM	112,752	SOU-MIX-HP	OR	2022
AK6A	78,958	SOU-MIX-LP	OR	2021
W7YAQ	31,084	SOU-MIX-QRP	OR	2021
N7PHY	27,880	SOU-DIG-HP	WWA	2021
N7UVH	40,524	SOU-DIG-LP	ID	2022
KG7CW	10,070	SOU-DIG-QRP	ID	2022
NK7U	206,700	MSHP	OR	2012
WB7AVD	85,002	MSLP	EWA	1993
K7RU	272,698	M2	WWA	2023
Pacific Division				
W7RN (WK6I, op)	309,248	SOHP	NV	2013
N6OJ	111,588	SOLP	SF	2001
K6GHA	26,013	SOQRP	SCV	2023
W1SRD	269,568	SOUHP	SV	2015
K6EI	89,910	SOULP	SCV	2023
K6EI	20,306	SOUQRP*	SCV	2022
W6SX	104,240	SOU-MIX-HP	SJV	2022
K6GHA	47,212	SOU-MIX-LP	SCV	2021
KE6YLH	2,975	SOU-MIX-QRP	SCV	2022
KW6S	47,334	SOU-DIG-HP	SCV	2022
W6US	11,607	SOU-DIG-LP	NV	2022
W6CZ	3,219	SOU-DIG-QRP	SJV	2022

N6WM	250,676	MM	EB	2023
N6DE	192,416	MSHP	SV	2009
W6YX	114,648	MSLP	SCV	2003
W6YX	307,680	M2	SCV	2022
Roanoke Division				
K4GMH	310,050	SOHP	VA	2013
W4AAA (KK9A, op)	217,080	SOLP	NC	2023
K4XL	44,115	SOQRP	VA	2023
K4GMH	284,532	SOUHP	VA	2014
N2QT	206,976	SOULP	VA	2014
W4RN	3,312	SOUQRP	VA	2023
KT4Q	102,432	SOU-MIX-HP	NC	2022
KT4Q	57,362	SOU-MIX-LP	NC	2021
KQ4AV	46,065	SOU-DIG-HP	NC	2021
N3KN	19,008	SOU-DIG-LP	VA	2022
KK4BZ	10,476	SOU-DIG-QRP	VA	2021
W4RM	199,936	MSHP	VA	2016
NTØK	114,688	MSLP	NC	2021
Rocky Mountain Division				
WØLSD	244,156	SOHP	CO	2012
KTØDX	142,230	SOLP	CO	2014
KB7EEG	9,308	SOQRP	UT	2023
WØLSD	271,586	SOUHP	CO	2016
AD1C	104,092	SOULP	CO	2014
KBØSNI	1,242	SOUQRP	CO	2020
NØTA	69,520	SOU-MIX-HP	CO	2022
WØGJT	17,871	SOU-MIX-LP	CO	2021
KB1IKC	62,624	SOU-DIG-HP	NM	2022
KB1IKC	44,880	SOU-DIG-LP	NM	2021
WØKI	8,668	SOU-DIG-QRP	CO	2022
WA5ZUP	208,940	MSHP	NM	2012
KØDU	144,368	MSLP	CO	2012
K5LRW	14,045	MM	NM	2022
Southeastern Division				
W4/LY5W (@N8PR)	177,548	SOHP	SFL	2015
WW4LL	177,749	SOLP	GA	2011
W4DWS	17,152	SOQRP*	GA	2021
W4DXX	229,274	SOUHP	GA	2016
K9OM	159,427	SOULP	NFL	2016
W4ER	5,616	SOUQRP*	AL	2022
AG4W	135,184	SOU-MIX-HP	AL	2022
K9OM	143,910	SOU-MIX-LP	NFL	2021

KD4ADC	4,998	SOU-MIX-QRP	AL	2022
K9OM	126,378	SOU-DIG-HP	NFL	2022
KM4RL	43,120	SOU-DIG-LP	NFL	2022
K4PQC	3,640	SOU-DIG-QRP	GA	2021
W4UH	205,692	MSHP	SFL	2012
K9OM	148,302	MSLP	NFL	2012
NA4DA	191,015	M2	NFL	2023

VE7CC	271,816	SOHP	BC	2013
VA2UP	250,954	SOLP	QC	2014
VE3KI	35,700	SOQRP*	ONE	2021
VE7CC	284,928	SOUHP	BC	2014
VE4VT	123,785	SOULP	MB	2020
VE3NZ	9,420	SOUQRP	ONS	2023
VE5MX	163,449	SOU-MIX-HP	SK	2021
VE2CSM	78,302	SOU-MIX-LP	QC	2022
VE6WQ	35,446	SOU-DIG-HP	AB	2021
VE1ANU	23,714	SOU-DIG-LP	MAR	2021
VA4BEN	8,505	SOU-DIG-QRP	MB	2022
VA2UP	183,662	MSHP	QC	2012
VE1OP	87,045	MSLP	MAR	2009
VE7SCC	154,068	M2	BC	2023

Southwestern Division				
WK7S (K6LL, op)	238,497	SOHP	AZ	2013
KB7Q	142,596	SOLP	AZ	2012
W6QU (W8QZA, op)	4,515	SOQRP*	SDG	2022
K6LL	244,000	SOUHP	AZ	2016
W7ZR	82,880	SOULP	AZ	2018
KK6P (W7IV, op)	180,180	SOU-MIX-HP	SB	2022
AA2IL	45,290	SOU-MIX-LP	SDG	2022
NT6X	40,940	SOU-DIG-HP	ORG	2021
KC7CS	27,540	SOU-DIG-LP	AZ	2021
N6MW	432	SOU-DIG-QRP	SB	2022
N7AT	212,628	MSHP	AZ	2021
N6MA	81,654	MSLP	AZ	2012
NA7TB	318,060	M2	AZ	2023

West Gulf Division				
AB5K	347,625	SOHP	NTX	2014
KE5OG	136,141	SOLP	WTX	2013
WE6EZ	24,220	SOQRP	STX	2020
W5AP	196,262	SOUHP	NTX	2014
WB5TUF	174,360	SOULP	STX	2016
KIØG	609	SOUQRP	STX	2020
AA5H	14,884	SOU-MIX-HP	OK	2021
N5YHF	21,960	SOU-MIX-LP	STX	2022
AA5KD	9,000	SOU-MIX-QRP	OK	2021
KG5EIU	31,088	SOU-DIG-HP	NTX	2022
NA5M	59,128	SOU-DIG-LP	NTX	2022
WM5L	10,945	SOU-DIG-QRP	WTX	2021
NR5M	272,718	MSHP	STX	2015
KU5B	199,821	MSLP	STX	2014
W5NN	52,430	M2	STX	2023

Canada

Sponsored Plaque Winners

Winner	Plaque Category	Plaque Sponsor
ACØC	W/VE Single Operator High Power	Brian Moran, N9ADG
WTØDX	W/VE Multioperator Low Power	Dan Karg, KØTI
NJ4P	W/VE Multioperator, Two Transmitters	JK Antennas
W3GH	W/VE Multioperator, Multitransmitter	Skyview Radio Society – In memory of Jim Jackson Sr, N3ENK
P49X (WØYK, op)	DX Single Operator High Power	Yankee Clipper Contest Club
HI3T	DX Single Operator Low Power	Rich Cady, N1XF
YU5R	DX Multioperator High Power	Paolo Cortese, I2UIY, Memorial by WØYK
OK7W	Europe Single Operator High Power	Kresimir Kovarik, 9A5K, Memorial by K6MR
K3RWN	Atlantic Division Single Operator Low Power	Mike Jacoby, N3MA
K9UC	Central Division Single Operator High Power	Society of Midwest Contesters
K9WX	Central Division Single Operator Low Power	Society of Midwest Contesters
AI9T	Central Division Single Operator Unlimited High Power	Society of Midwest Contesters
K9PW	Central Division Single Operator Unlimited Low Power	Society of Midwest Contesters
NØAT	Dakota Division Single Operator High Power	Minnesota Wireless Association
KØTI	Dakota Division Single Operator Low Power	Minnesota Wireless Association
KØMD	Dakota Division Single Operator Unlimited High Power	Minnesota Wireless Association
NØHJZ	Dakota Division Single Operator Unlimited Low Power	Minnesota Wireless Association
AE7AP	Northwestern Division Single Operator Low Power	Brian Moran, N9ADG
KA6BIM	Northwestern Division Single Operator Unlimited High Power	Brian Moran, N9ADG
N7UVH	Northwestern Division Single Operator Unlimited Low Power	Brian Moran, N9ADG
N6WM	Pacific Division Single Operator Unlimited High Power	Northern California Contest Club
KS3H	Roanoke Division Multioperator, Single Transmitter, Low Power	Sheila Blackley, K4WNW

Plaque Sponsorship Information

Thanks to the generous support of numerous clubs and individuals, we are pleased to list the winners of the Sponsored RTTY Roundup plaques below. Remember, you too can be a plaque sponsor, and you can sponsor any available outcome - or make up your own for a contest within the contest. For more information on plaque sponsorship or to order a duplicate plaque, contact ARRL Contest Program Manager Paul Bourque, N1SFE at 860-594-0232 or n1sfe@arrl.org. Plaques cost \$80, which includes all shipping charges