

# 2011 ARRL DX Phone Contest

By Ward Silver, NØAX <n0ax@arrl.net>

*“Now THAT’S what I’m talking about!” – NIUR*

During February’s ARRL DX CW contest, I was sitting at the 15 meter position of the K3LR multi-multi station on Feb 19th with Doug, K1DG waiting for the band to pop open...and waiting...and waiting. It felt so close! Recent rumblings on the solar surface gave every indication that there would be a dramatic increase in activity...but when? The answer to my grumbles was not long in coming. On March 1<sup>st</sup>, the solar flux suddenly jumped from 98 to 111 and kept rising right through the ARRL DX Phone contest on March 5<sup>th</sup> and 6<sup>th</sup>, all the way to 155 – a level not seen since January 2005 and comparable to the contest weekend in 2003! Furthermore, the A index was only 5 and the average K index just over 1 making for a stable ionosphere and sustained DX openings with an average sunspot number of 116. Welcome back, ol’ Sol!

## Propagation Indices for ARRL DX Phone

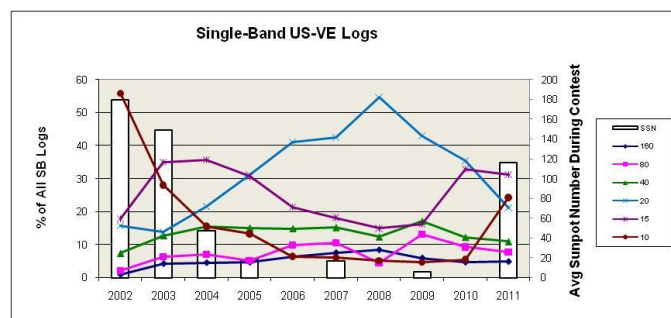
Year	Solar Flux		Planetary Ap		Estimated K	
	Sat	Sun	Sat	Sun	Sat	Sun
2002	191	183	5	10	1.6	2.5
2003	138	147	14.5	11	2.8	2.6
2004	105	106	5	6	1.8	1.8
2005	81	84	10	36	2.5	4.3
2006	75	74	2	1	0.9	0.5
2007	73	73	2	3	0.5	0.8
2008	69	69	19	8	3.3	2.0
2009	69	69	1	8	0.3	2.6
2010	78	77	3	4	0.8	1.0
2011	135	143	5	5	1.1	1.2

How did that play out on the bands? With word spreading rapidly the week before the contest, schedules were rearranged to operate in the contest and submitted log totals set another all-time mark at 3343 – 1812 logs were from W/VE stations and 1531 DX logs. This is a solid 5% increase from last year which was also a record. Club log submissions jumped by 10% as well, to a total of 76 with the increase in the Medium and Local categories – the heart and soul of the ARRL-Affiliated Club Competition.

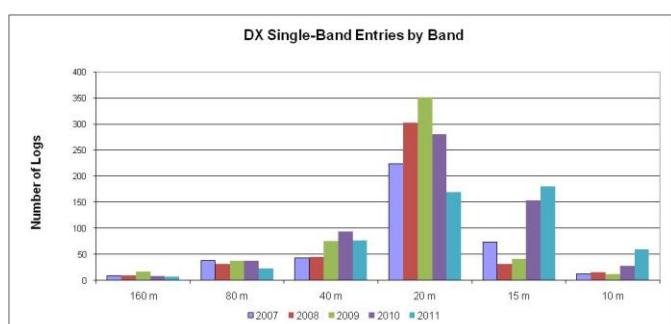
The wide-open bands kept more butts in more chairs with the result being a 24% increase in QSOs reported by W and VE stations (a total of 676,546). DX logs contained 812,262 QSOs which was a 17% increase. (Those missing 135,716 QSOs are in un-submitted logs – it’s never been easier to submit a log so why not give it a try next year if you’re a non-submitter?)

Clearly, there were a lot more stations on the air. Three DX stations reported single-band QSO totals over 3000 QSOs: HK1K had 3022 QSOs on 20 meters and PJ4G reported 3459 on 15 meters and 3345 on 10 meters. From the W-VE end, the team at K3LR logged 2480 DX stations

on 20 meters and 2684 on 15 meters – the first year in quite a while that Tim’s 15 meter team surpassed 20 meter totals! Tim’s minions also found another four DXCC entities on the airwaves this year, pushing the single-band bar to 149.



The changing solar tides are reflected in the year-to-year changes in the single-band log submissions shown in the figure at left. There were more single-band logs than ever (247) and the big increase this year was – no surprise – 10 meter logs which went from 13 in 2010 to 60 in 2011.



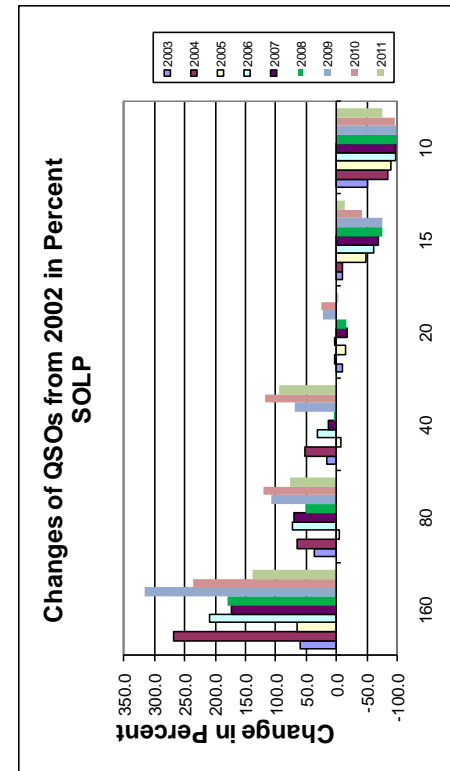
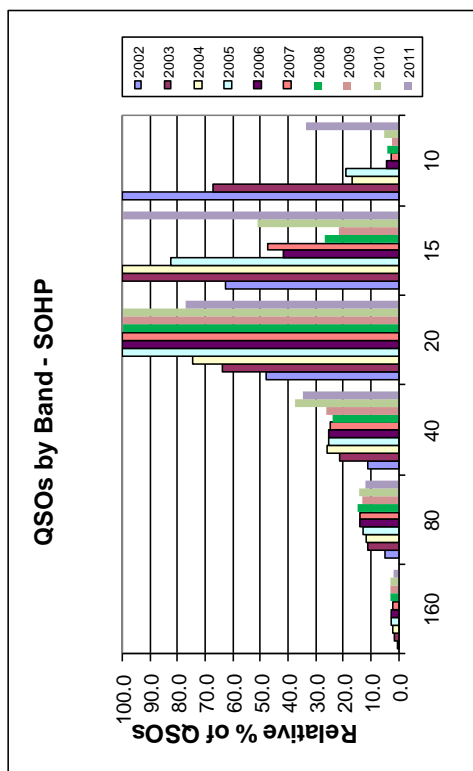
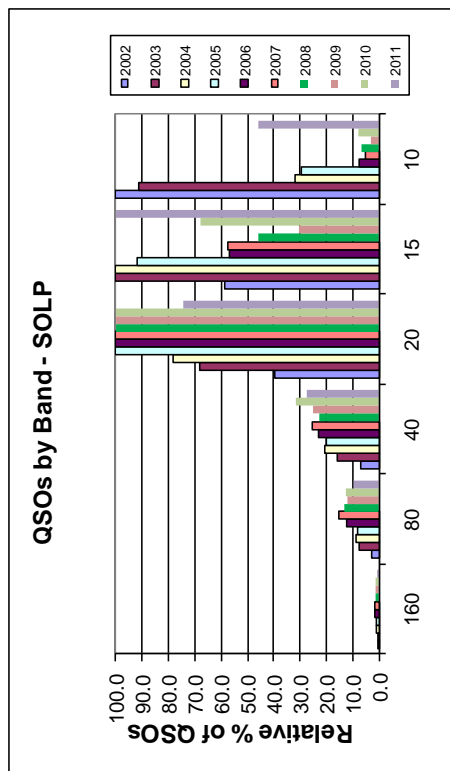
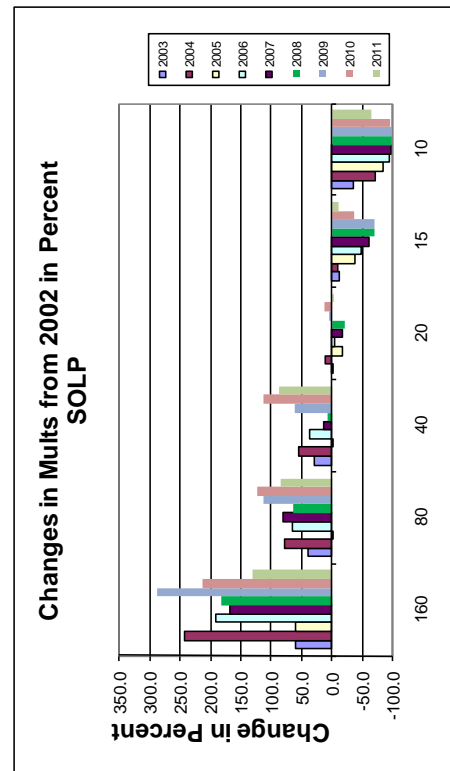
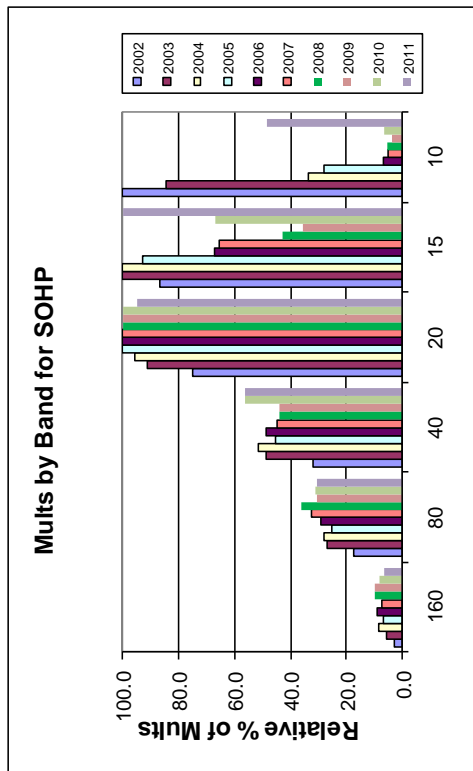
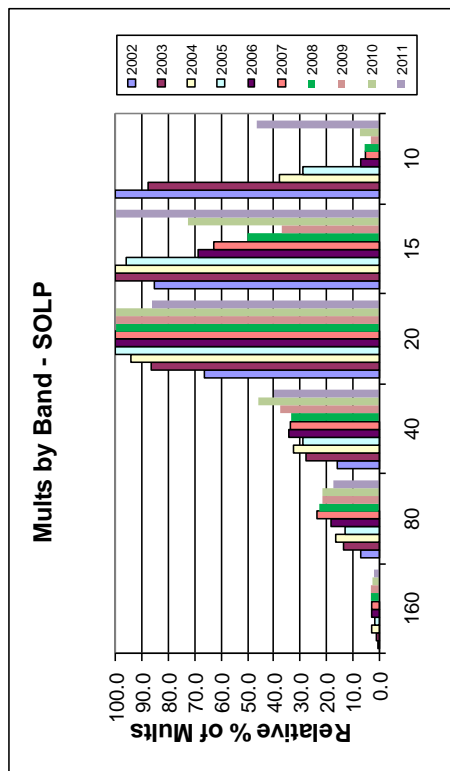
This is mirrored on the DX side as shown in the lower figure. Stations that may have stayed on 20 meters for the past few years are now venturing up to 15 and 10 meters. For those of you chasing your DXCC Challenge band-entities, the trends are good if you need higher totals on the higher bands!

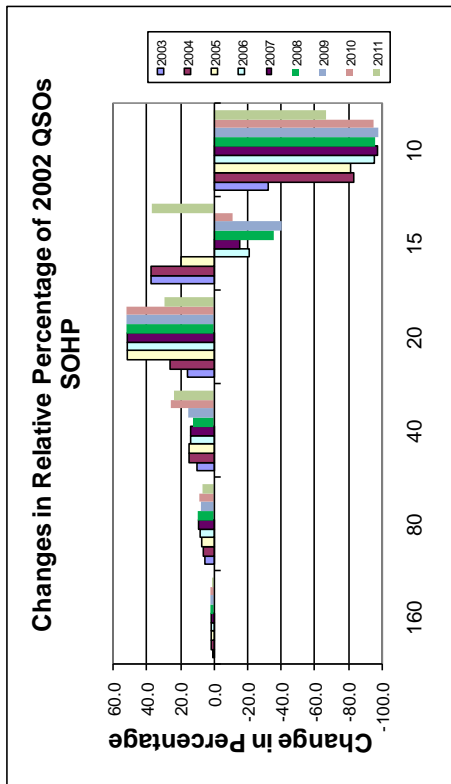
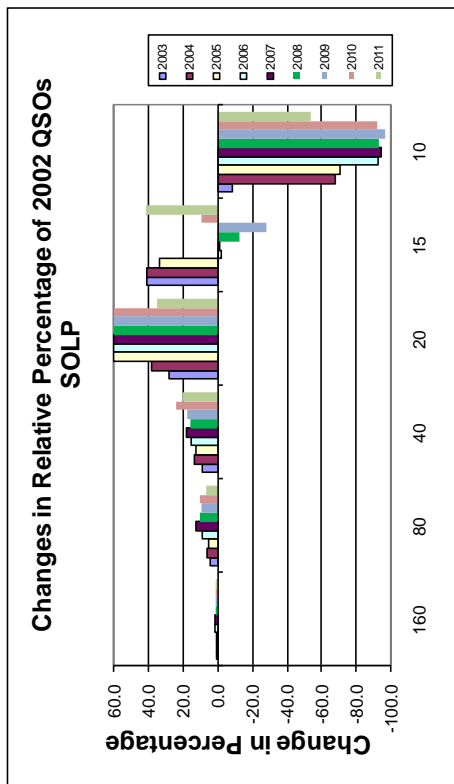
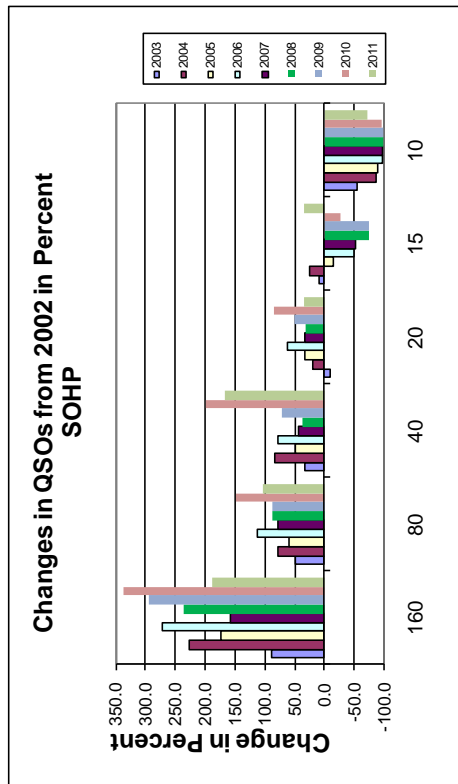
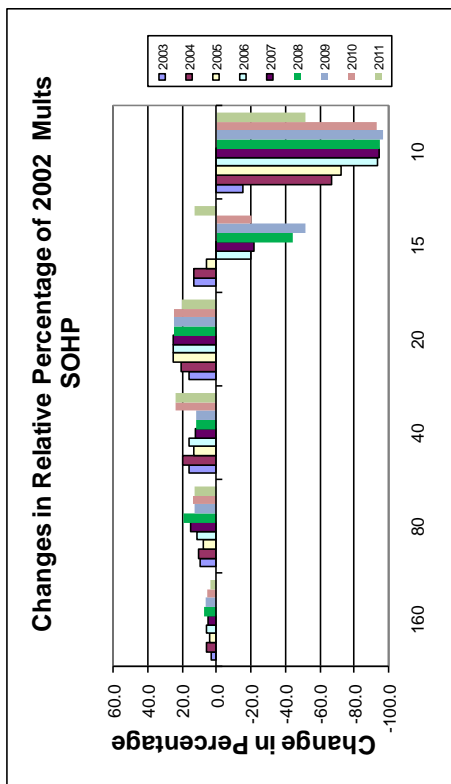
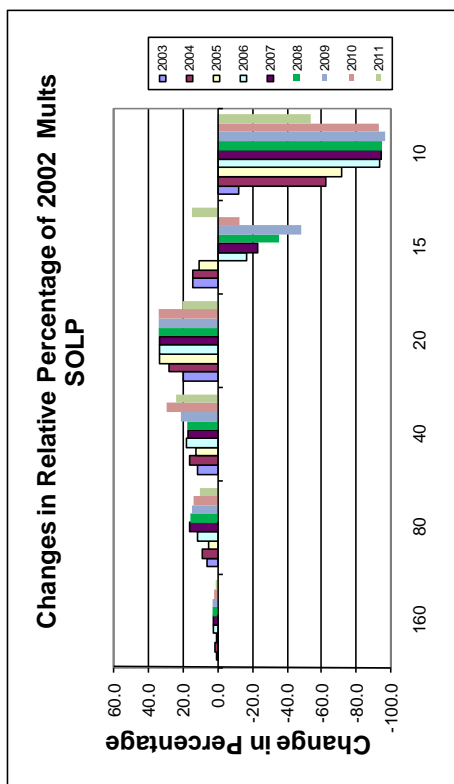
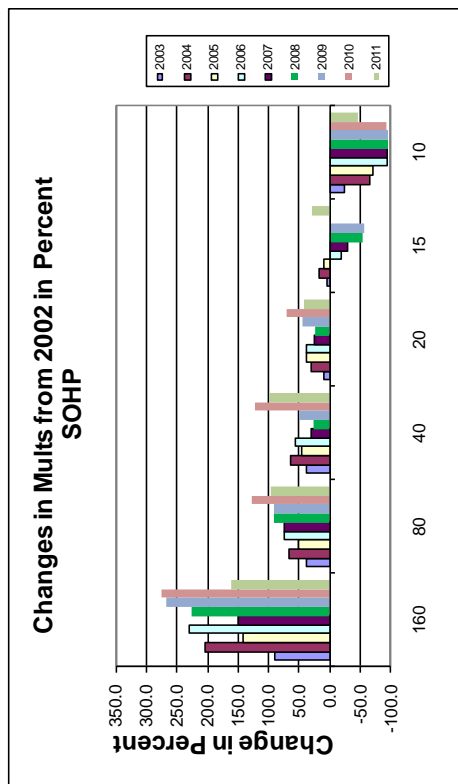
### *“Big News: 15 Meters Crosses the Rockies!” – VE7XF*

The headline may have been 10 meters this year but the real news was on 15 meters as we learned last year. Even a middling opening on 15 changes the complexion of the contest dramatically. As operators at smaller stations know well (or quickly learn), it is a lot easier to make DX contacts on 15 and 10 meters because a multiband antenna can be more effective as wavelength falls (and electrical height rises).

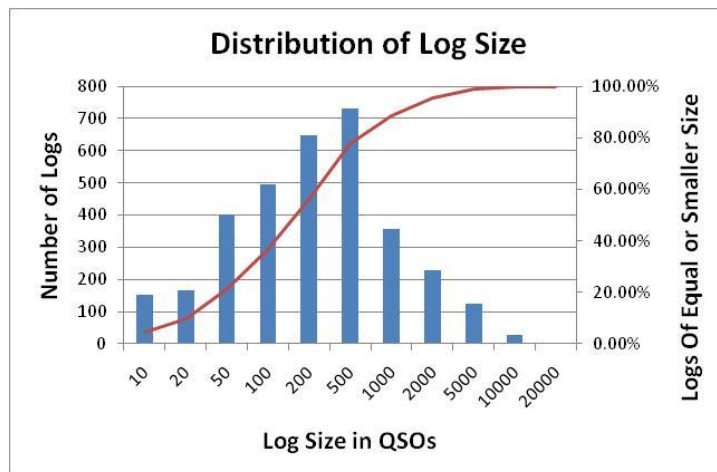
With such good 15 meter conditions this year, operators were encouraged to participate for longer periods and that benefited all bands. The wide-open spaces (comparatively) of 15 meters – an extra 100 kHz of General phone band compared to 20 meters – made operating a *lot* more fun for the Little Pistol and casual operator just looking to put a few contacts in the log and hand out some points. I certainly hope the ARRL QSL Bureau staff has their calendars clear for some overtime!

As you can see from the collection of charts on the next two pages, the progression of the solar cycle and its effects on the relative importance and activity for the different bands continues and is even accelerating. (The SOLP and SOHP categories have the most entries and are used as the bellwether for band-by-band activity.) Along with the higher solar activity comes a resurgence in interest from the Little Pistol as it is easier to have fun with the bands are open, eh? Expect a more dramatic upswing in the 10 and 15 meter relative percentages next year as we leave the solar minimum behind.





Just how important are the logs from Little Pistols and part-time or casual operators? They are VERY important as shown by the figure at right. Nearly 56% of all logs received – W/VE and DX – contain 200 or fewer QSOs! Every QSO is important and we would like to have YOUR contacts in the database next year.



### Extra Goodies

Beginning on page 23, you'll also find 80 pages (!!) of Regional Analysis for your Division or Continent written by a volunteer author from the area with photos and tables. There's also a close look at the results from the Caribbean's annual festival of DXing frenzy. This is one way to fight the "don't get no respect" blues – everybody can't be in the Magic Locations so why not get some peer recognition right here at home?

The appendixes include a short explanation of category abbreviations if you are unfamiliar with all the alphabet soup being thrown around. There is also a short explanation of the Accuracy Index as discussed later in the writeup.

In the supplemental files provided on the ARRL website, you'll find an 8-page PDF version of the Top Ten History since 2002 for both W/VE and DX stations, including the new Low Power categories. The complete Soapbox comments from the submitted logs are included as are the Soapbox comments from the popular 3830 score posting website as compiled by Dink, N7WA. It is fun to browse through all the entries as each comment builds up a Seurat-like image of the contest, point by point.

*"Best. Score. Ever." W2IRT (SOAHP)*

### Records

John, KK9A has been filling contest logs as P4ØA as an SOLP entry. In 2010 he had a string of six straight wins – the second-longest since 2002. All good things must come to an end and John has closed down his "Iguana Village" Aruba QTH. He decided to make one last go of it as a SOQRP entry. And what a go! Talk about going out with a bang, John smashed the old 1993 all-time SOQRP record with a monster score of 3.073 Mpoints – a leap of around 50%. John, we'll miss you on the bands!

The happy table below contains an additional pair of all-time records set this year – the MSHP title is now held by the K1LZ team who inched by the 2000 record set from W3BGN. (I am assuming MS records from before this year were set using High Power.) The HK1T record on SO40 is also a new all-time record, eclipsing N6TJ's mark set at 9Y4AA in 1986.

## New Records for 2011

### W-VE Records

Category	Call	District	New Record	Old Record	Year Set
SOHP	WØUA	Ø	3,051,360	2,721,510	1991
SOLP	N1UR	1	2,665,065	1,717,380	2009
SOQRP	VA3DF	VE	556,842	294,120	2010
SOAHP	W2RE	2	5,128,875	4,846,485	2002
SO40	W6YI	6	238,140	207,648	2010
SO40	N7DD	7	245,784	210,936	1998
M2	WE3C	3	10,543,338	9,557,757	2000
<b>MSHP</b>	<b>K1LZ</b>	<b>1</b>	<b>6,780,420</b>	<b>6,730,380</b>	<b>2000</b>
MSHP	NK7U	7	2,878,722	2,537,115	1981

### DX

Category	Continent	Call	New Record	Old Record	Year Set
SOLP	EU	IR1Y	1,635,375	1,579,356	1992
<b>SOQRP</b>	<b>SA</b>	<b>P4ØA</b>	<b>3,073,275</b>	<b>1,584,360</b>	<b>2004</b>
SO15	EU	CR2A (OH8NC, op)	604,083	495,432	1982
SO15	OC	KH7Y	501,120	433,608	1988
SO20	AF	EF8R (EA8CAC, op)	463,512	298,758	1999
SO40	NA	ZF2AH	458,607	431,100	2010
<b>SO40</b>	<b>SA</b>	<b>HK1T</b>	<b>495,954</b>	<b>364,008</b>	<b>1986</b>
SO160	EU	CR2X (OH2BH, op)	76,797	62,034	2009

### Close Calls

Category	Dist/Cont	Existing Record	Year Set	This Year's Score
SOHP	VE	5,647,008 by VY2ZM	2004	5,142,882 by VY2ZM (K6AAX, op)
SOLP	3	1,447,680 by NN3W	2005	1,202,385 by W6AAN
SO80	2	130,410 by K1ZM	1994	119,271 by K2XA
M2	SA	13,061,412 by PJ2T	2003	12,474,567 by PJ4G
SOHP	NA	9,650,745 by WP3R (K9PG, op)	2003	9,440,100 by 8P5A (W2SC, op) 9,377,979 by TO7A (UT5UGR, op)

**Bold** indicates an all-time record for the category

Excluding the flood of new records from 2011's new LP categories, the mother lode of 2002 still remains the biggest year for records. That could change if we get a sustained period of solar flux in the 150-180 range and quiet ionospheric conditions!

The oldest record broken this year is the 7<sup>th</sup> district MS 1981 record now held by MSHP entry NK7U from Joe's Baker City, OR QTH. Several other old-timers are under new ownership as well: OH8NC operated CR2A to a new European SO15 record last set in 1982, the 1998 SO40 record is now held by N7DD, and IR1Y took the 1992 SOLP record for EU.

The oldest surviving record is still the KØRF MM record set from Colorado in 1979. At 4.03 Mpoints, it is the smallest of the US district MM records and should be reachable with the great new technology available to station builders. Nevertheless, that it has stood so long is a tribute to the KØRF station that set the record – and continues to set records such as the new SOHP 10<sup>th</sup>-district record set by WØUA at the station this year, another that had lasted twenty years.

What would a table of records be without some close calls, too? Some records may not have been broken but they were seriously challenged. Look for more records to fall in the years to come. Do you think you are record-breaking material? If so, have a look at the K5TR Contest database ([www.kkn.net/~k5tr/scoredb](http://www.kkn.net/~k5tr/scoredb)) where more than 400,000 published scores have been entered by volunteers for you to pick out a target.

# 2011 ARRL DX Phone

US and VE Top Ten				DX Top Ten			
Call	Score	Call	Score	Call	Score	Call	Score
Single Operator, High Power		Single Operator, 40 Meters		Single Operator, High Power		Single Operator, 40 Meters	
VY2ZM (K6AAX, op)	5,142,882	N7DD	245,784	8P5A (W2SC, op)	9,440,100	HK1T	495,954
K5ZD (KM3T, op)	4,665,339	W6YI	238,140	TOTA (UT5UGR, op)	9,377,979	ZF2AH	458,607
KC1XX (WA1Z, op)	4,245,120	W5WMU	170,286	PJ2T (K6AM, op)	8,512,776	TM9R (F5FLN, op)	289,041
VC3E (VE3AT, op)	4,199,481	WDØBGZ	67,977	P49Y (AE6Y, op)	8,044,440	S51YI	265,530
W9RE	3,692,127	K9WZB	65,658	KP2M (N2TK, op)	6,719,814	E47KW	250,560
N2IC	3,408,000	K9OM	40,740	V26M (N3AD, op)	6,080,832	YH8A (YU1EA, op)	211,410
K8PO	3,279,780	K8DJC	38,010	KH6YR (K1YR, op)	5,078,376	HA6P	194,076
AA1K	3,179,655	WB2REM	22,848	PZSP	4,868,394	HC2AQ	179,655
W3BGN	3,172,680	V43XH	22,572	V48M (W2OX, op)	4,674,402	I6A (K6CWWQ, op)	169,344
K3CR (LZ4AX, op)	3,083,421	KD2JA	22,506	AN5F	3,355,848	JH8JWF	129,450
Single Operator, Low Power		Single Operator, 80 Meters		Single Operator, Low Power		Single Operator, 80 Meters	
N1UR	2,665,065	AA1BU	139,107	H3TEJ	5,193,981	CT3DZ	182,352
N1PGA	1,497,999	K1UO	139,062	V31AM (N2ZN, op)	4,498,002	EE8W (EA8AH, op)	166,344
N5AW	1,249,620	K2XA	119,271	J88DR (G3TBK, op)	4,143,993	GM3PPG (G4BYB, op)	164,502
W6AAN	1,202,385	W4QNW	30,870	VP9W6PH	3,656,340	XE2S	124,080
N4TZ	1,094,700	WA4TII	18,810	J7Y (K1LI, op)	2,684,352	SN3A (SP3GEM, op)	84,177
N2RJ	1,021,500	N48V	13,260	PY2NDX	1,978,728	YU1WS	63,597
N4XL	993,114	AA2DS	11,232	W5KG	1,835,856	F8ARK	56,631
NA4K	817,848	KØKT	10,731	TG7/N6HD	1,760,388	HG6A	29,400
N7ZG	634,368	K9IDQ	10,488	IR1Y	1,635,375	OK1GTH	19,437
W2TF	586,704	AA1O	10,062	PY2NY	1,047,252	RCØF	17,487
Single Operator, QRP		Single Operator, 160 Meters		Single Operator, QRP		Single Operator, 160 Meters	
V43DF	556,842	W2MF	16,317	P4ØA (KK9A, op)	3,073,275	KV4FZ	83,790
N5DO	294,600	K1HAP	5,145	F5BEG	119,196	CR2X (OH2BH, op)	76,797
N1TM	253,440	K5RX	4,752	PUSATX	94,710	HQ9R (WQ7R, op)	37,812
KA1LMR	214,866	W3GH	4,182	DL8LR	85,386	I4FYF	5,976
NT4TS	184,008	KM1R	3,960	IK1BBC	36,408	E4IDVY	5,625
NDØC	153,624	AG4W	3,762	JR4DAH	35,154	SP6HEQ	1,260
W6QU (W8QZA, op)	140,580	W2VO	2,604	LU1VK	34,821	EU3AR	390
NN7SS (K6UFO, op)	109,890	N2GC	1,440	IV3AOL	33,327		
KS4X	109,350	W4LJM	756	EI4II	26,820		
KT8K	85,977	VE3EDY	462	JH1APZ	23,400		
Single Operator Assisted,		Multioperator,		Single Operator Assisted,			
High Power		Single Transmitter, High Power		High Power			
W2RE	5,128,875	K1LZ	6,780,420	ZX2B (PY2MNL, op)	2,743,902		
K3WWV	4,491,954	K9RS	4,516,239	EC2DX	2,582,901		
AA3B	3,659,964	WW4LL	3,638,160	GW9T (MWØZZK, op)	2,580,336		
N3RS	2,793,150	NØNI	3,471,144	LU4DX	2,410,644		
K1ZZ	2,634,615	N1FD	3,302,028	IR1G (IZ1LBG, op)	1,807,650		
W1GD	2,507,466	NK7U	2,878,722	WP4SK	1,470,660		
K1KI (KM1P, op)	2,418,792	NN2W	2,579,634	AØA (LU8ADX, op)	1,342,980		
W2IRT	2,112,480	K3MD	2,579,310	E47RU	1,328,880		
K2SG	2,065,653	W3MF	2,096,640	EA5BY	1,042,302		
K3PP	2,056,626	W2XL	1,806,399	9A3XV	984,060		

# 2011 ARRL DX Phone

US and VE Top Ten				DX Top Ten			
Call	Score	Call	Score	Call	Score	Call	Score
Single Operator Assisted,		Multipoperator,		Single Operator Assisted,		Multipoperator,	
Low Power		Transmitter, Low Power		Low Power		Transmitter, High Power	
VE2XAA	1,304,478	WØUO	943,008	PY1NX	2,090,772	VP5H	7,483,938
KS1J	1,009,785	KØUK	633,327	PY2SEX	1,731,828	PJ7DX	6,662,250
KT4ZB	1,009,014	NØ2J	73,542	YW5T (YV5JBI, op)	1,162,935	TW6M	4,987,800
K4YA	954,180	W3WN	30,495	HH2PY1ZV	987,840	CS2C	4,843,458
KØKX	942,645	K2DV	11,880	YV5EAH	616,476	LS1D	3,938,517
K1LD	829,170	W4AAZ	4,743	KP2DX (KP2BH, op)	585,972	ED5T	3,372,780
K42D	763,962	K1DM3	3,078	EF1W (EA1WS, op)	506,760	OE3K	3,049,725
W3KB	687,960	VE2CJR	1,875	PY2VZ	332,856	IO5O	2,772,900
KØRI	684,294	K8DAC	1,764	LU7YZ	328,383	HB9CA	2,531,232
NK3Y	605,283	KDØHMH	936	DK5DQ	314,400	HQ2W	2,256,741
Single Operator, 10 Meters		Multipoperator, Two Transmitter		Single Operator, 10 Meters		Multipoperator,	
W5PR	200,100	WE3C	10,543,338	PW5G	535,320	Transmitter, Low Power	
N8OO	133,440	W4RM	6,818,952	LR2F	486,540	P4ØV	5,498,106
W4SVO	117,468	KB1H	5,884,245	ZW5B (PY5KD, op)	444,240	WP3C	5,467,380
WB9Z	112,497	KØTV	4,620,486	PW2D (PY2ZXU, op)	402,984	H13K	4,933,440
K4WI	103,284	W6WB	3,765,801	PY2ZEA (OH2MM, op)	362,880	LU1UM	1,253,358
W4IX	93,240	K8AZ	3,404,037	PP5KR	308,334	XE2AU	683,754
W2RR (WA2AOG, op)	54,312	K2AX	3,040,884	EF8S	284,085	HH4AF4Z	406,992
W3EP	42,432	NØUJ	2,687,550	PV5ZD	222,642	KG4AN	395,460
N4FCG (N4BP, op)	39,312	KY5R	2,532,591	LU6FOV	207,816	PR5A	284,139
K7BG	35,568	VE3RM	2,346,258	E87TL	202,950	S5ØXX	270,546
Single Operator, 15 Meters		Multipoperator, Multi-Transmitter		Single Operator, 15 Meters		IQ1CN	208,656
K5GO	557,994	K3LR	15,844,323	CR2A (OH8NC, op)	604,083	Multipoperator, Two Transmitter	
N4PN	537,855	W3PL	13,070,880	ZX5J (PP5JR, op)	537,840	PJ4G	12,474,567
N2PP	518,814	K1TTT	7,359,555	KH7Y	501,120	T18M	7,190,730
KU2M	459,540	K1RX	5,790,540	WH7Z (WØCN, op)	367,920	PT5T	6,523,902
K5TR (WM5R, op)	455,544	WØAH	4,681,152	OQ4U	367,200	LP1H	6,335,424
N1SV	443,850	NE3F	3,214,995	9A3TR	352,980	CE4CT	5,962,656
N8II	417,060	WG3J	1,949,799	HK1R	345,960	RL3A	1,868,501
N6BV	327,849	KBØHH	468,180	E71A	318,600	EA3EZD	1,337,928
K6RQ	287,565	KRØVER	7,128	TM7F (F6GLH, op)	317,139	JA1YPA	1,210,140
VE3DZ	242,256	VE7DXG	1,824	TM4W	307,800	ED5K	570,150
Single Operator, 20 Meters				Single Operator, 20 Meters		JA1ZGP	179,265
K2TR	768,996			HK1X	546,987	Multipoperator, Multi-Transmitter	
VE6WQ	274,215			EF8R (EA8CAC, op)	463,512	T15N	11,044,164
WR2G	235,200			YV5EED	434,700	C6ANM	5,198,094
W9EXY	134,805			TM1W (F1HAR, op)	430,050	9A1A	4,809,360
K2RD	119,301			LN9Z (LB1G, op)	397,110	JA3YBK	1,732,200
W7AR	109,470			XP1A (OX3KQ, op)	388,260	DR1A	726,645
K1QS	94,944			KP2CW (K6VVA, op)	386,745	CE3PCG	509,949
W4RCN	91,125			PR2B (PY2LSM, op)	368,820	E71AWW	12,696
AC5O	88,218			TF3W (TF3CW, op)	356,220		
K6HNZ	86,400			9A7V	352,098		



## New Categories

Two old categories, Single-Op, Assisted (SOA) and Multioperator, Single Transmitter (MS), each split into a pair of High Power (SOAHP and MSHP) and Low Power (SOALP and MSLP) categories this year – certainly an opportunity to set a record! Seriously, the concern when creating Low Power categories is that the High Power leaders, sensing a new competitive opportunity, will enter and dominate the new category, squeezing out the stations the new category was intended to feature. I'm pleased to report that this was not case – not one of the Top Ten in the new Low Power categories (see the Top Ten table) can be found in last year's High Power Top Ten. That's not to say no High Power station “dialed it down” and entered as Low Power this year – you'll surely recognize the call signs of the category winners – but my point is that stations that usually operated with low power were indeed the ones competing for top honors in general. Let's meet the winners, shall we?

On the W-VE side of things, our first overall SOALP winner is Alexey Yushin, VE2XAA (also UX3UA) a member of the Contest Groupe du Quebec. Alexey is active in many contests and makes a lot of people happy with the Quebec multiplier. His efforts paid off this year!

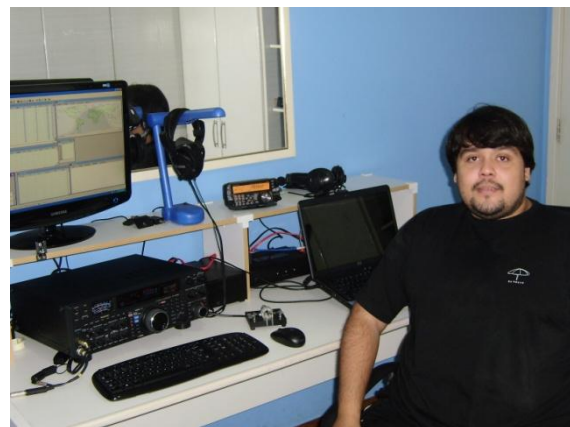


His antenna farm consists of a single tribander and rotatable dipole at about 15 meters in height plus wires. Thanks for the photo, Alexey!

In the MSLP category, Jim W0UO decided to change his usual CW-only contest style and put together a five-operator team effort, including three who were new to DX contesting. I'd say they learned pretty quickly! The team (W0UO, W5AO, K5ANR, KE5SCG, and KF5BHG who is shown in the photo by W0UO) put together a very good score of 943 kpoints that would

have placed within the top twenty scores in MSHP.

Outside the US and Canada, the SOALP category attracted a lot of attention, too. Our first winner is from South America – Soni, PY1NX who sent us his photo at right. Soni's 2.09 Mpoints would have finished #6 in the SOAHP listings so this was quite a good score from his home station. Soni had big numbers on 15 and 40 meters plus a handful of 80 meter





QSOs and multipliers, keeping him in first.

You'll recognize the call signs of both team members in the MSLP top spot – veteran contesters Carl AI6V (left) and Robert W5AJ (right) shared the operating duties at P4ØV to just squeak by the WP3C and KP4WW team with nearly 5.5 Mpoints. Carl's XYL, Sue P4ØYL, took this happy picture of the team.

What made the difference – aside from contesting savvy – was “10 meters as good as it was in the old days down here,” according to

Carl. That one band and 2240 QSOs was the key to their being able to out-score a team far closer to North America and whose QSO totals were higher on every other band!

After the contest(s), it is a tradition for all of the Aruba-based operators to get together and share a meal. How many QSOs do you think were represented around the table? How many records? The answer? Lots!



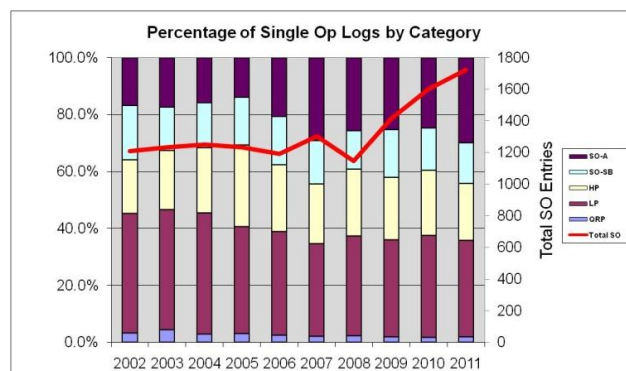
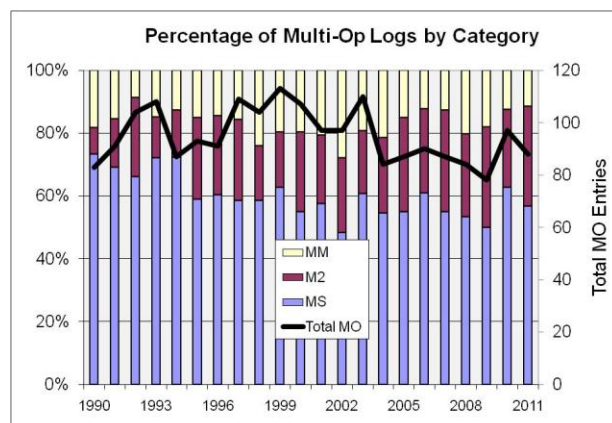
(Left to right) Carl P49V, John P4ØA, Robert P4ØP, Sue P4ØYL, Cristina P43C, Jean-Pierre P43A, and Andy P49Y (Photo courtesy John Bayne, KK9A)



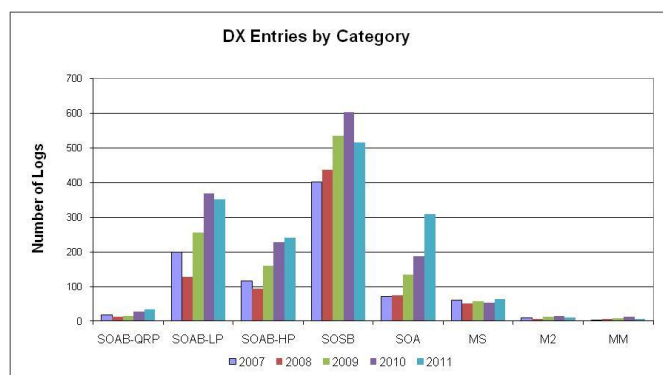
Continental Leaders					
Category	Call	Score	Category	Call	Score
<b>Africa</b>			<b>North America</b>		
Single Operator, High Power	EA8BMG	211,047	Single Operator, High Power	8P5A (W2SC, op)	9,440,100
Single Operator, Low Power	V51YJ	564,039	Single Operator, Low Power	HI3TEJ	5,193,981
Single Operator Assisted, Low Power	EA8OM	236,457	Single Operator Assisted, High Power	WP4SK	1,470,660
Single Operator 10 Meters	EF8S	284,085	Single Operator Assisted, Low Power	HH2/PY1ZV	987,840
Single Operator 15 Meters	CT3DL	251,517	Single Operator 10 Meters	XE3N	47,736
Single Operator 20 Meters	EF8R (EA8CAC, op)	463,512	Single Operator 15 Meters	KL2R (N1TX, op)	65,562
Single Operator 40 Meters	CT3BD	36,414	Single Operator 20 Meters	XP1A (OX3KQ, op)	388,260
Single Operator 80 Meters	CT3DZ	182,352	Single Operator 40 Meters	ZF2AH	458,607
<b>Asia</b>			Single Operator 80 Meters	XE2S	124,080
Single Operator, High Power	JR1AIB	799,992	Single Operator 160 Meters	KV4FZ	83,790
Single Operator, Low Power	JH4UYB	460,224	Multipoperator, Single Transmitter, High Power	VP5H	7,483,938
Single Operator QRP	JR4DAH	35,154	Multipoperator, Single Transmitter, Low Power	WP3C	5,467,380
Single Operator Assisted, High Power	5B4AIF	927,990	Multipoperator, Two Transmitter	TI8M	7,190,730
Single Operator Assisted, Low Power	JH1DGQ	45,570	Multipoperator, Multi-Transmitter	TI5N	11,044,164
Single Operator 10 Meters	JA7OWD	15,939	<b>Oceania</b>		
Single Operator 15 Meters	JR1CBC	231,246	Single Operator, High Power	KH6YR (K1YR, op)	5,078,376
Single Operator 20 Meters	JH7XMO	134,475	Single Operator, Low Power	KH6CJJ	487,017
Single Operator 40 Meters	JH8JWF	129,450	Single Operator QRP	VK4ATH	1,827
Single Operator 80 Meters	RC0F	17,487	Single Operator Assisted, High Power	DU1BP	192,096
Multipoperator, Single Transmitter, High Power	RW0CWA	1,186,434	Single Operator Assisted, Low Power	AH6NF	32,724
Multipoperator, Single Transmitter, Low Power	JL3YJF	264	Single Operator 10 Meters	ZL3TE (W3SE, op)	82,800
Multipoperator, Two Transmitter	JA1YPA	1,210,140	Single Operator 15 Meters	KH7Y	501,120
Multipoperator, Multi-Transmitter	JA3YBK	1,732,200	Single Operator 20 Meters	DU1JI	2,160
<b>Europe</b>			Single Operator 40 Meters	VK5FPAS	2,079
Single Operator, High Power	OM3GI	2,804,976	<b>South America</b>		
Single Operator, Low Power	IR1Y	1,635,375	Single Operator, High Power	PJ2T (K6AM, op)	8,512,776
Single Operator QRP	F5BEG	119,196	Single Operator, Low Power	PY2NDX	1,978,728
Single Operator Assisted, High Power	EC2DX	2,582,901	Single Operator QRP	P40A (KK9A, op)	3,073,275
Single Operator Assisted, Low Power	EF1W (EA1WS, op)	506,760	Single Operator Assisted, High Power	ZX2B (PY2MNL, op)	2,743,902
Single Operator 10 Meters	CR2T (CU2AF, op)	72,051	Single Operator Assisted, Low Power	PY1NX	2,090,772
Single Operator 15 Meters	CR2A (OH8NC, op)	604,083	Single Operator 10 Meters	PW5G	535,320
Single Operator 20 Meters	TM1W (F1HAR, op)	430,050	Single Operator 15 Meters	ZX5J (PP5JR, op)	537,840
Single Operator 40 Meters	TM9R (F5FLN, op)	289,041	Single Operator 20 Meters	HK1X	546,987
Single Operator 80 Meters	GM3PPG (G4BYB, op)	164,502	Single Operator 40 Meters	HK1T	495,954
Single Operator 160 Meters	CR2X (OH2BH, op)	76,797	Single Operator 80 Meters	LU2DVI	2,574
Multipoperator, Single Transmitter, High Power	TM6M	4,987,800	Multipoperator, Single Transmitter, High Power	LS1D	3,938,517
Multipoperator, Single Transmitter, Low Power	S50XX	270,546	Multipoperator, Single Transmitter, Low Power	P40V	5,498,106
Multipoperator, Two Transmitter	RL3A	1,668,501	Multipoperator, Two Transmitter	PJ4G	12,474,567
Multipoperator, Multi-Transmitter	9A1A	4,809,360	Multipoperator, Multi-Transmitter	CE3PCG	509,949

## Old Categories

The old categories did just fine, thanks, holding their own even as those upstart Low Power categories grabbed all the attention. The story is the same both here on the North American continent and around the world. More and more operators are availing themselves of the information out there on the Internet and



entering the now-two Assisted categories. In fact, this year nearly 30% of all W-VE logs were submitted as either SOAHP or SOALP, the highest fraction for the Assisted category ever. As the red line in the figure shows, however, even as the relative size of the different slices is changing the pie continues to get larger. No worries, mate!



The Multioperator categories are fairly steady with a total of about 90 from W and VE stations – between 80 and 100 since 2004 – and the fraction of M2 and MS stations seems to be about the same with MM dropping a bit. We shall see what the addition of the MSLP category does to these totals as more experience is gained.

## Plaque Winners

Congratulations to these winners – and thanks to the sponsors who make it possible to provide these awards that will surely hang proudly on shack walls around the world! If you win a sponsored plaque (in *any* contest), be sure to drop the sponsor a note of appreciation for their efforts on behalf of radiosport!

Sponsored Plaque Winners		
Plaque Category	Plaque Sponsor	Winner
W/VE Single Operator High Power Phone	Frankford Radio Club	VY2ZM (K6AAX, op)
W/VE 1.8 MHz Phone	Butch Greve, W9EWC Memorial	W2MF
W/VE 3.5 MHz Phone	Jeffrey Briggs, VY2ZM	AA1BU
W/VE 21 MHz Phone	Northern Illinois DX Association	K5GO
W/VE 28 MHz Phone	Ralph Fontaine AF7DX	W5PR
W/VE Single Operator Low Power Phone	Dauberville DX Association	N1UR
W/VE Single Operator QRP Phone	Jeffrey Briggs, K1ZM	VA3DF
W/VE Single Operator Assisted, High Power Phone	Pete Carter, K3VW Memorial	W2RE
World Single Operator High Power Phone	North Jersey DX Association	8P5A (W2SC, op)
World 1.8 MHz Phone	Fred Race, W8FR, In Memory of ZL2BT	KV4FZ
World 7 MHz Phone	Jim Rafferty, N6RJ Memorial - Cayman ARS	HK1T
World 14 MHz Phone	Don Wallace, W6AM, Memorial Award	HK1X
World 28 MHz Phone	North Shenandoah DX Association NS4DX	PW5G
World Single Operator Assisted, High Power Phone	Southern California DX Club	ZX2B (PY2MNL, op)
Asia Multioperator Single Transmitter, High Power Phone	Yankee Clipper Contest Club	RWØCWA
North America Multioperator Single Transmitter, High Power Phone	Nick Lash, K9KLR	VP5H
World Multioperator Two Transmitters Phone	W6NL and K6BL	PJ4G
W/VE Single Operator High Power Combined Score	National Contest Journal	K5ZD (KM3T, op)
W/VE Single Operator Low Power Combined Score	Rochester DX Association, K2FR Memorial	N1UR
Japan Single Operator Low Power Phone	Western Washington DX Club	JH4UYB
Seventh Call Area Single Operator High Power Phone	Willamette Valley DX Club	K5RR
World Multioperator Unlimited Combined Score	Jim Lawson - W2PV Memorial - Schenectady ARA	9A1A
World Multioperator Unlimited Phone	Stanley Cohen, W8QDQ	Ti5N
World Single Operator Low Power Combined Score	C. Sharp, K5DX Memorial by the Texas DX Society	J88DR (G3TBK, op)
Canada Single Operator Low Power Phone	Contest Club Ontario	VA3SWG
New England Division Single Operator Low Power Phone	CTRI Contest Group	N1UR
Great Lakes Division Single Operator Unlimited, High Power Phone	Northern Ohio DX Association	N8TR

2011 ARRL DX Phone Contest														
Regional Leaders by Category														
Boxes list call sign, score, and category (M SH/L-Multi-Single HP/LP; M2-Multi-Two; MM-Multi-Multi; QRP-Single-Op, QRP; LP-Single-Op, Low Power; HP-Single-Op, High Power; SAH-Single-Op, Assisted HP/LP)														
Northeast Region			Southeast Region			Central Region			Midwest Region			West Coast Region		
New England, Hudson and Atlantic Divisions; Maritime and Quebec Sections			Delta, Roanoke and Southeastern Divisions			Central and Great Lakes Divisions; Ontario Section			Dakota, Midwest, Rocky Mountain and West Gulf Divisions; Manitoba and Saskatchewan Sections			Pacific, Northwestern and Southwestern Divisions; Alberta, British Columbia and NWT Sections		
VY2ZM (K6AAX, op)	5,142,882	HP	K4AB	2,350,926	HP	VC3E (VE3AT, op)	4,799,481	HP	N2IC	3,408,000	HP	K6NA	1920,996	HP
K5ZD (KM3T, op)	4,665,339	HP	K1TO	2,279,070	HP	W9RE	3,692,127	HP	W0UA	3,051,360	HP	WC6H (NU6S, op)	1885,290	HP
KC7XX (WA7Z, op)	4,245,120	HP	N4NW	1,461,600	HP	K8GL	1,571,388	HP	NR5M	2,414,313	HP	VE7CC	1714,911	HP
K8PO	3,279,780	HP	KZ2I	1,241,136	HP	N8BJQ	1,421,970	HP	K0SR	1,318,740	HP	K6XX	1548,000	HP
AA7K	3,179,655	HP	WX4G	976,626	HP	K9CT	1,398,441	HP	VE4EAR	1,093,935	HP	K7RL	1,132,461	HP
N1UR	2,665,065	LP	N4XL	993,114	LP	N4TZ	1,094,700	LP	N5AW	1,249,620	LP	N7ZG	634,368	LP
N1PGA	1,497,999	LP	NA4K	817,848	LP	VA3SWG	585,552	LP	K0BJ	340,095	LP	N6RV	497,016	LP
W6AAN	1,202,385	LP	W4PFM	388,620	LP	KD9MS	452,790	LP	VE5ZX	300,000	LP	K7ACZ	263,886	LP
N2RJ	1,021,500	LP	W6DVS	331,200	LP	K9JE	287,646	LP	WB0SOK	263,562	LP	K7JE	233,625	LP
W2TF	586,704	LP	N2WN	303,456	LP	N4NTQ	209,745	LP	KY0K	247,050	LP	AA6K	217,728	LP
NTTM	253,440	QRP	NT4TS	184,008	QRP	VA3DF	556,842	QRP	N5DO	294,600	QRP	W6QU (W8QZA, op)	140,580	QRP
KA1MR	214,866	QRP	KS4X	109,350	QRP	K78K	85,977	QRP	ND0C	153,624	QRP	NN7SS (K6UFO, op)	109,890	QRP
WB7OCV	53,424	QRP	K4WY	52,170	QRP	W9AQ	10,584	QRP	KK0Q	43,056	QRP	K6MI	16,611	QRP
N8HM	10,950	QRP	WX4RM	29,670	QRP	VA3RKM	6,396	QRP	N0UR	20,196	QRP	N6LB	2,967	QRP
WB0WNG	9,936	QRP	K7SZ	13,359	QRP	K9WIS	3,276	QRP				KJ6AGX	75	QRP
W2RE	5,128,875	SAH	N4RV	1,909,128	SAH	VE3CX	1,998,816	SAH	W0BM	872,784	SAH	N6QQ	1,100,397	SAH
K3WV	4,491,954	SAH	N4ZC	1,777,248	SAH	VE3RTU	1,929,960	SAH	N5AA (K5NA, op)	793,167	SAH	N7TT	914,904	SAH
AA3B	3,659,964	SAH	K3XC	1,721,835	SAH	VE3MMQ	1715,700	SAH	N0AT	761,733	SAH	N6WIN	810,17	SAH
N3RS	2,793,150	SAH	W4QN	1,682,496	SAH	K9NW	1,657,983	SAH	NC00	600,600	SAH	KE6YL	803,451	SAH
K7ZZ	2,634,615	SAH	KT4Q	1,567,917	SAH	N8TR	1,248,669	SAH	KB0EO	581,670	SAH	K7WP	669,600	SAH
VE2XAA	1,304,478	SAL	KT4ZB	1,009,014	SAL	VE3RHD	472,800	SAL	K0KX	942,645	SAL	WN6K	375,066	SAL
KSU	1,009,785	SAL	K4YA	954,180	SAL	K8LY	310,776	SAL	K0RI	684,294	SAL	VA7BEC	255,006	SAL
K1LD	829,170	SAL	N4DA	296,121	SAL	W0DS	299,400	SAL	W0VX	430,155	SAL	W7SO	161,163	SAL
KA2D	763,962	SAL	K4MF	180,441	SAL	VE3XAT	123,930	SAL	AD1C	385,560	SAL	W6SA	156,492	SAL
W3KB	687,960	SAL	W3ZL	150,672	SAL	WA3PAK	105,840	SAL	N0UY	342,324	SAL	VA7FC	155,694	SAL
W2RR (WA2AOG, op)	54,312	SO10	N8OO	13,440	SO10	WB9Z	12,497	SO10	W5PR	200,100	SO10	K7BG	35,568	SO10
W8EP	42,432	SO10	W4SVO	117,468	SO10	N8CN	23,406	SO10	WN0L	11,187	SO10	K7RF	25,878	SO10
KA2LM	22,050	SO10	K4WI	103,284	SO10	K1TN	6,510	SO10	AG0M	11,160	SO10	K7HP	24,900	SO10
K6NDV	18,720	SO10	W4IX	93,240	SO10	VE3UZ	1,638	SO10	WA0FQK	5,226	SO10	W7BJN	24,552	SO10
WB2AIO	10,320	SO10	N4FCG (N4BP, op)	39,312	SO10	N8PVT	1104	SO10	KD5JAA	3,456	SO10	WA6KHK	10,974	SO10

2011 ARRL DX Phone Contest  
Regional Leaders by Category

Boxes list call sign, score, and category (MSH/L-Multi-Single HP/LP; M-2; M-Multi-Two; M-M-Multi-Multi; QRP-Single-Op; QRP-LP-Single-Op; Low Power; HP-Single-Op; High Power; SAH - Single-Op; Assisted HP/LP)									
Northeast Region		Southeast Region		Central Region		Midwest Region		West Coast Region	
New England, Hudson and Atlantic		Delta, Roanoke and Southeastern		Central and Great Lakes Divisions;		Dakota, Midwest, Rocky Mountain		Pacific, Northwestern and	
N2PP	58,84 SO6	K5GO	557,994 SO6	VE3DZ	242,256 SO6	K5TR (MM5R, op)	455,544 SO6	N6BV	327,849 SO6
KUZM	459,540 SO6	N4PN	537,855 SO6	W9NY	193,662 SO6	WA5ZUP	122,031 SO6	N7RQ	237,165 SO6
ISV	443,850 SO6	N8II	417,060 SO6	K2UR	158,466 SO6	K8OZ	95,628 SO6	K8LZ	86,512 SO6
WABUEG	192,900 SO6	K5RQ	287,585 SO6	VA3FP	54,741 SO6	K5QEA	79,212 SO6	W6AFA	170,208 SO6
K1NYK	72,171 SO6	N4BP (GVAJUN op)	111,141 SO6	VE3AE	34,020 SO6	W5GFI	76,545 SO6	W7VO	16,406 SO6
K2TR	768,996 SO20	AC5O	88,218 SO20	W5EXY	134,805 SO20	K5YM	41,292 SO20	VE6WQ	274,216 SO20
WR2G	235,200 SO20	WA4JUK	48,840 SO20	WA8RCN	91,025 SO20	N7YK	23,400 SO20	K2RD	18,301 SO20
K1QS	94,944 SO20	WB2TFM	48,777 SO20	W9WJ	52,920 SO20	WA5SWN	756 SO20	WA7AR	19,470 SO20
WAVVK	80,442 SO20	K4QVK	30,441 SO20	K9DN	38,640 SO20			K6HNZ	86,400 SO20
K3SWZ	56,826 SO20	K4DES	13,818 SO20	VA3GUY	36,666 SO20			VE6TR	71,253 SO20
AC1O	5,712 SO40	W5WMIU	170,286 SO40	K8DJC	38,010 SO40	W08BGZ		N7DD	245,784 SO40
		K9OM	40,740 SO40	VA3XH	22,572 SO40	KE5ZRT		W6YI	238,140 SO40
		WB2REM	22,848 SO40	W8KTQ	12,789 SO40			K9WZB	65,668 SO40
		KD2JA	22,506 SO40	W5QL	10,488 SO40			W6RKC	4,131 SO40
		K3TW4	22,134 SO40	N8BV	8,241 SO40			WA7NWL	2,925 SO40
AA1BU	189,107 SO80	W4QNW	30,870 SO80	NA8V	13,260 SO80	K0KKT	10,731 SO80	WA6NPG	6,771 SO80
K1JO	139,062 SO80	WA4TII	18,810 SO80	K9IDQ	10,488 SO80			N1WC	4,410 SO80
K2XA	18,271 SO80	W6HH	1575 SO80	W8RH	2,100 SO80				
AA2DS	11,232 SO80	K4MT1	714 SO80						
AA1O	10,062 SO80	KZ1A	468 SO80						
W2MF	16,317 SO60	A4AW	3,762 SO60	W4LJM	756 SO60	K5RX	4,752 SO60		
K1HAP	5,445 SO60			VE3EDY	462 SO60				
W3GH	4,182 SO60			VA3ST	432 SO60				
KM1R	3,960 SO60			VE3CUI	243 SO60				
W2VO	2,604 SO60								
K1LZ	6,780,420 MSH	W44LL		KD9ST	1724,416 MSH	N0NI	3,471,144 MSH	NK7U	2,878,722 MSH
K9RS	4,516,239 MSH	W4HZ	3,638,180 MSH	KC8MB	353,241 MSH	K3MBB	671,610 MSH	W6LH	1205,436 MSH
N1FD	3,302,028 MSH	K4WNW	994,185 MSH	VE3MIS	219,618 MSH	K0JA	438,768 MSH	NX6T	932,316 MSH
NN2W	2,579,634 MSH	KK5DNA	10,800 MSH	KC9ARR	145,866 MSH	W0MA	330,708 MSH	WX7P	354,036 MSH
K3MD	2,579,310 MSH					W07MB	329,157 MSH	N6XT	297,360 MSH
NO2J	73,542 MSL	W4AAZ	4,743 MSL	K8DAC	1764 MSL	W0JO	943,008 MSL		
W3WN	30,495 MSL			K0UK	633,327 MSL				
K2DV	11,880 MSL			KD0HHM	936 MSL				
K1DM/3	3,078 MSL								
VE2CJR	1,875 MSL								
WE3C	10,543,338 M2	W4RM	6,818,952 M2	K8AZ	3,404,037 M2	N0MA	979,068 M2	W6VB	3,765,801 M2
K8H	5,894,245 M2	KY9R	2,532,591 M2	N0U	2,687,550 M2	N5RZ	902,460 M2	W7IV	1,754,964 M2
K0TV	4,620,486 M2	W5RU	2,016,133 M2	VE3RM	2,346,258 M2	KE0L	401,145 M2	VE6FI	1048,950 M2
K2AX	3,040,884 M2			W8BI	461,070 M2			W7RN	940,905 M2
WA3EKL	2,094,090 M2			K9IU	188,496 M2			VE6AO	370,656 M2
K3LR	1,644,323 MM			W0AH	4,681,162 MM	KB0HH	468,180 MM	VE7DXG	1,824 MM
W3LPL	1,070,880 MM					KR0VER	7,128 MM		
K1TTT	7,359,555 MM								
K1RX	5,790,540 MM								
NE3F	3,214,995 MM								

## Staying Power

There is no FCC limit on “staying power” – the ability to produce year after year, contest after contest. The following table shows the active winning streaks both here at home and abroad. (For a complete list of category winners since 2002, see the PDF version of Top Ten History.) The WE3C crew is establishing their hold on the Multi-Two category with another convincing win. Ed, N1UR once again submitted the top SOLP score and has 5 of the last 6 wins in the category.

### Active Winning Streaks

<i>W-VE</i>		
<i>Call (@ QTH)</i>	<i>Number</i>	<i>Category</i>
WE3C	4	M2
N1UR	3	SOLP
W5PR	3	SO10
W2MF	3	SO160
W2RE	3	SOAHP
K1LZ	3	MSHP
<i>DX</i>		
<i>Call (@ QTH)</i>	<i>Number</i>	<i>Category</i>
W2SC (@ 8P5A)	2	SOHP

Several notable runs have come to an end, as well. While the VY2ZM call sign is once again at the top of the W/VE SOHP listing, the usual “K1ZM – op” is not. Jeff yielded the operator’s chair to son Pat who kept the plaque in the family by taking the top spot. Dad’s streak may have ended at eight but we have yet to see who can beat the Prince Edward Island station.

Always present on 10 meters, Juan, LU1HF relinquished his run of five straight years of dominating 10 meter scores from Argentina. Another South American streak that ended was PP5JR’s run of four consecutive SO15 wins as ZX5J. Sergio was still a strong second to the record-setting score of CR2A (OH8NC, op) and we suspect that Sergio will be a fixture in the Top Ten for years to come!

Another streak has begun and this one is going to be hard to sustain. Having won 7 of the last 8 years in ARRL DX Phone, for the second straight year the K3LR multi-op station has taken *both* modes of the ARRL DX contest. With competition in Multi-Multi so intense, it will be hard for Tim to maintain this level of performance with W3LPL and other top stations on his tail!



## Single-Op Breakdown

It's always fun to have a look at the QSO and multiplier breakdown of the top-scoring table if for no other reason than to answer the question, "How do they DO that?" This comparison – to be expanded in future ARRL contest writeups – establishes the top performance levels to which we can all aspire.

CALL - QSOs	SEC	160 Q	80 Q	40 Q	20 Q	15 Q	10 Q
VY2ZM (K6AAX, op)	MAR	107	473	688	1303	967	228
K5ZD (KM3T, op)	WMA	49	300	511	1119	1384	138
KC1XX (WA1Z, op)	NH	37	407	622	1029	934	199
VC3E (VE3AT, op)	ON	22	125	484	1274	1207	162
W9RE	IN	41	134	375	759	1060	383
N2IC	NM	23	95	714	346	1495	177
K8PO	ME	34	106	384	891	1304	174
AA1K	DE	68	149	448	985	850	143
W3BGN	EPA	59	184	375	895	755	262
K3CR (LZ4AX, op)	WPA	39	167	309	798	872	275
CALL - MULTs	SEC	160 M	80 M	40 M	20 M	15 M	10 M
VY2ZM (K6AAX, op)	MAR	48	75	91	101	85	58
K5ZD (KM3T, op)	WMA	34	67	83	100	101	62
KC1XX (WA1Z, op)	NH	29	71	84	97	96	63
VC3E (VE3AT, op)	ON	20	57	83	103	101	65
W9RE	IN	30	64	83	99	100	73
N2IC	NM	19	48	77	86	118	52
K8PO	ME	30	55	77	89	85	44
AA1K	DE	38	54	81	100	83	49
W3BGN	EPA	39	60	80	98	84	59
K3CR (LZ4AX, op)	WPA	28	62	71	98	88	72

On 160 meters, there is just NO substitute for proximity and the Prince Edward Island QTH of VY2ZM is a lot closer to the European continent than just about all other W and VE stations, outdistancing them easily. The situation begins to tighten up on 80 meters, the highest band on which VY2ZM led in QSOs. The northeastern Top Ten stations were in the lead here, as well, with WA1Z piloting the KC1XX mountaintop station to a strong showing. On 40 meters, you see the results of savvy strategy as Steve, N2IC didn't waste time trying to go head-to-head with the NE stations on 160 and 80 – he pointed his beams west as well as east to make a solid statement as the QSO leader on this band. Steve did the same on 15 meters as the QSO and multiplier leader – taking advantage of good conditions from NM and sacrificing 20 meter totals where VY2ZM and VC3E operated by Ron, VE3AT led the way. In fifth place, Mike, W9RE made his statement one band farther up the spectrum and leading everyone in both contacts and entities on 10 meters.

We can clearly see the competition in SOHP tightening as conditions improve on the higher bands. I'm sure Dave, KM3T (op at K5ZD) and WA1Z and VE3AT are thinking to themselves that a win must be within reach with better 15 and 10 meter conditions that might elude their northeastern nemesis. If 10 had opened more strongly, Mike was within striking distance of fourth place, as well. These will be races to watch in the coming years as solar flux rises and with it the chance of unstable geomagnetic conditions. It will take a special year to get that first-place trophy off of Prince Edward Island.



*“WOW! What just happened?” NØMA (M2)*

### **Westerners In the Top Ten**

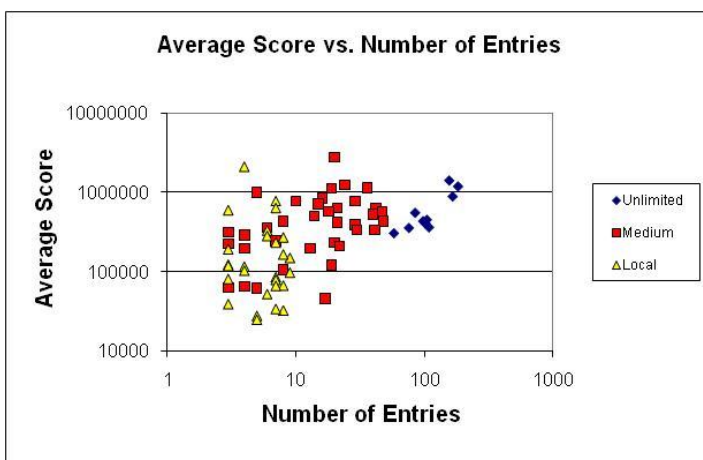
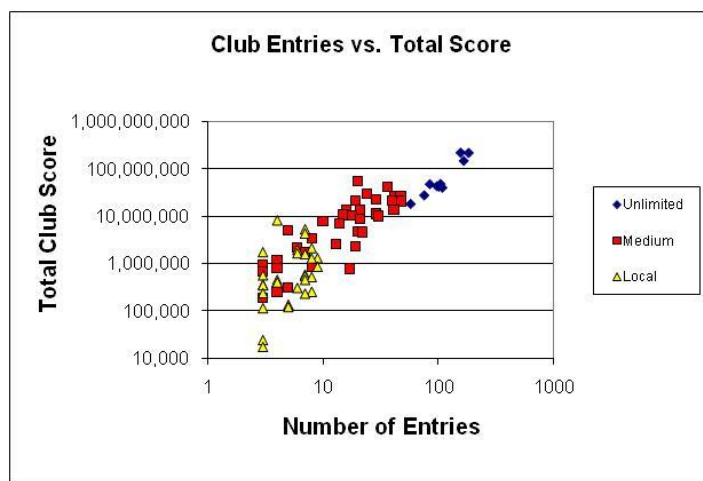
One of the benefits to better conditions on 15 and 10 meters is the spread of Top Ten spots in the All-Band categories. For example, from about as far southwest as a fifth-district station can be and not become “a seven,” Steve, N2IC muscled his way into the SOHP Top Ten in 6<sup>th</sup> place – no mean feat from anywhere on the continent! The key? Big 15 meter totals including the highest 15 meter multiplier total (118) of any single-op station, including the single-band entries! Elsewhere in the SOLP and SOQRP categories, you’ll see new western calls like N7ZG (9<sup>th</sup> in SOLP) and NN7SS (8<sup>th</sup> in SOQRP).

On the Single-Band leader boards for 10 and 15 meters, the story continues – more calls from longitudes and latitudes normally out-of-the-running on those bands. From Illinois, WB9Z grabbed the #4 position – you’d have to go back to 2005 before a 9<sup>th</sup>-district call sign made the 10 meter Top Ten. *Zut alors!* Not content to leave the sweet stuff for somebody else, K7BG is in the 10<sup>th</sup> position from Montana! No sneaking in through lack of interest, either – the Ten Top Ten and beyond were full of competitive scores this year.

One band down, the competition heated up “considerable” with K5GO taking the number one position from his NW Arkansas QTH. 15 meters was *muy caliente* this year with nine stations in the Top Ten completing a single-band DXCC. On 20 meters, the competition was just crazy – the Top Ten very nearly represents a clean sweep of all districts and Canada: 2, VE, 2, 9, 6, 7, 1, 8, 6, 1. It’s up for grabs, boys and girls – go for it! In another sign of the improving solar times, the MM team at WØAIH continue their relentless march to the top, moving up another place to 5<sup>th</sup> due to – you guessed it – big scores on 15 and 10 meters.

## ARRL Affiliated Club Competition

What a difference a year makes! Last year, the Yankee Clipper Contest Club dominated the Unlimited category with 203 logs and 234 Mpoints. That obviously caught the attention of the Frankford Radio Club who pumped up their score with another 17 logs and grabbed the gavel from the grasp of YCCC by just 1% of the total score, 222 to 220 Mpoints. The Northern California Contest Club traded places with Contest Club Ontario and another paper-logsheet-thin margin, 47.4 to 44.1 Mpoints.



## Affiliated Club Competition

	Score	Entries
<b>Unlimited Category</b>		
Frankford Radio Club	222,644,199	157
Yankee Clipper Contest Club	220,000,884	184
Potomac Valley Radio Club	148,744,419	167
Northern California Contest Club	47,472,297	105
Contest Club Ontario	47,102,589	85
Society of Midwest Contesters	42,565,110	98
Minnesota Wireless Assn	41,706,240	102
Florida Contest Group	39,551,604	109
Arizona Outlaws Contest Club	27,078,405	76
Tennessee Contest Group	17,700,834	58

<b>Medium Category</b>		
North Coast Contesters	55,761,960	20
South East Contest Club	41,091,723	36
Central Texas DX and Contest Club	29,904,333	24
Hudson Valley Contesters and DXers	26,781,951	42
Carolina DX Association	26,587,443	47
Mad River Radio Club	22,610,499	29
Rochester (NY) DX Assn	21,284,007	19
Alabama Contest Group	21,086,385	40
Southern California Contest Club	20,769,429	48
Willamette Valley DX Club	13,620,084	41
Maritime Contest Club	13,548,855	16
Mother Lode DX/Contest Club	13,322,766	21
Western Washington DX Club	11,255,679	29
Order of Bolled Owls of New York	10,714,053	15
CTRI Contest Group	10,326,021	18
Grand Mesa Contesters of Colorado	10,103,217	30
North Texas Contest Club	8,770,320	21
Louisiana Contest Club	7,705,062	10
Contest Group Du Quebec	6,959,382	14
BC DX Club	4,985,082	5
ORCA DX And Contest Club	4,689,927	20
Utah DX Assn	4,648,368	22
Western New York DX Assn	3,457,692	8
Eastern Iowa DX Assn	2,528,781	13
Spokane DX Association	2,299,668	19
Kentucky Contest Group	2,167,770	6
Allegheny Valley Radio	1,711,800	7
Missouri DX and Contest Club	1,157,106	4
Central Arizona DX Assn	943,650	3
Texas DX Society	845,952	8
Saskatchewan Contest Club	786,900	4
West Park Radios	778,974	17
Alberta Clippers	672,552	3
Northern Rockies DX Association	308,445	5
Mississippi Valley DX/Contest Club	256,983	4
Nacogdoches ARC	190,251	3

<b>Local Category</b>		
Iowa DX and Contest Club	8,411,946	4
Southwest Ohio DX Assn	5,447,451	7
Central Virginia Contest Club	4,439,466	7
Blue Ridge ARC	2,154,801	8
Delaware-Lehigh ARC	1,977,900	6
Central Oregon DX Club	1,780,032	3
Hilltop Transmitting Assn	1,679,754	6
Delaware Contest Team	1,616,862	7
Kansas City DX Club	1,331,142	9
Bergen ARC	1,310,979	8
Bristol (TN) ARC	872,265	9
Portage County Amateur Radio	593,886	7
Wireless Association of South Hills	572,778	3
Meriden ARC	548,004	7
Metro DX Club	530,250	8

In the Medium category, the North Coast Contesters seemingly have a lock on the top spot...or do they?

The South East Contest Club made a big-time run at the top spot this year moving from tenth to second place and nearly quadrupling their total score. Watch out NCC! The Local category gavel will go to a gregarious new group – the Iowa DX and Contest Club – and welcome to the new Blue Ridge ARC, too, placing 4<sup>th</sup> in this first ARRL Club Competition appearance.

How did your club do this year? The higher on the charts you can “push your dot”, the better you are doing. This is a great way to motivate your member to get on the air and contribute to the club score – no log is too small!

### **By A Nose**

Who says log checking doesn't matter? Send in your log, no matter how small because every single QSO and multiplier counts! In one of our new categories, for example, SOALP competitors KS1J (1,009,785) and KT4ZB (1,009,014) were only 771 points apart – a miniscule separation of 0.07%. Over in the other new category of MSLP, P4ØV lost 59,109 of 5,557,215 claimed points while being pursued by WP3C who lost 57,846 of 5,525,226 points, leaving only 30,726 points between them – a nasal whisker of only 0.56%!

The highly competitive W-VE SOHP category always has a photo finish it seems and this year we had two. KC1XX managed to hold off VC3E for second place by 1.1% and in an even tighter finish, eighth place (AA1K) and ninth place (W3BGN) were only separated by 0.22%! Also in the W-VE results, on 80 meters, AA1BU held on to his title by only 55 points out of more than 100,000. (0.03%) Ninth and tenth places in SOAHP were separated by 0.4% with K2SG coming out ahead of K3PP.

The DX side has its share of tight finishes, too – sometimes between competitors a continent apart. GW9T crossed the finish line only 0.1% of his southern competition from LU4DX to take third in DX SOAHP. Another antipodal atom-thin acquisition of accolades occurred as WH7Z prevailed by 0.2% over a challenge from Europe's OQ4U in the 15 meter, single-band category.

The closest race of all, though, was in the W-VE MSHP category as only 0.01% (my calculator wasn't even sure) constituted the margin between NN2W in 7<sup>th</sup> place and K3MD in 8<sup>th</sup>. That final difference of 324 points out of 2.6 million represents less than one QSO or multiplier – less than one! Think about that next time you are tempted to take a little extra nap time on take a guess on a call sign or exchange!

## Accuracy

The top five Accuracy Indexes achieved by SOAHP/LP, SOHP/LP, and MO stations are listed in the table below. (Appendix B explains the Accuracy Index.) While the order generally tracks number of QSOs, some entries with a smaller but slightly more accurate log are rated higher than a larger one.

### Accuracy Leaders

#### W-VE

##### Single-Op (Non-assisted)

Call	Category	QSOs	Error %	Index
VY2ZM (K6AAX, op)	SOHP	3766	0.9	13.486
VC3E (VE3AT, op)	SOHP	3274	0.6	13.455
KC1XX (WA1Z, op)	SOHP	3228	0.7	13.439
K5ZD (KM3T, op)	SOHP	3501	1.1	13.434
W9RE	SOHP	2752	0.5	13.390

##### Single-Op (Assisted)

Call	Category	QSOs	Error %	Index
W2RE	SOAHP	3541	0.7	13.479
AA3B	SOAHP	2623	0.5	13.369
K3WW	SOAHP	3097	1.5	13.341
N3RS	SOAHP	2078	0.5	13.268
K1KI (KM1P, op)	SOAHP	2083	0.7	13.249

##### Multi-Op

Call	Category	QSOs	Error %	Index
K3LR	MM	7894	0.6	13.837
W3LPL	MM	6994	0.9	13.755
WE3C	M2	5889	0.4	13.730
K1TTT	MM	4672	0.8	13.590
K1LZ	MSHP	4086	0.9	13.521

#### DX

##### Single-Op (Non-assisted)

Call	Category	QSOs	Error %	Index
8P5A (W2SC, op)	SOHP	9292	0.5	13.918
P49Y (AE6Y, op)	SOHP	7816	0.3	13.863
PJ2T (K6AM, op)	SOHP	8230	1	13.815
KP2M (N2TK, op)	SOHP	7004	0.4	13.805
TO7A (UT5UGR, op)	SOHP	9100	1.7	13.789

##### Single-Op (Assisted)

Call	Category	QSOs	Error %	Index
ZX2B (PY2MNL, op)	SOAHP	3857	0.4	13.546
LU4DX	SOAHP	3707	0.6	13.509
EC2DX	SOAHP	3195	0.7	13.434
PY1NX	SOALP	2934	0.6	13.407
GW9T (MWØZZK, op)	SOAHP	3296	1.2	13.398

##### Multi-Op

Call	Category	QSOs	Error %	Index
PJ4G	M2	12197	0.6	14.026
TI5N	MM	10992	0.7	13.971
CE4CT	M2	7515	0.6	13.816
VP5H	MSHP	7512	0.6	13.816
LP1H	M2	7820	0.8	13.813

Since starting to track the index last year as shown in the Accuracy Index records of **Table 5**, we have our first-ever index greater than 14 (14.026 by the PJ4G M2 team)! Tracking your own accuracy index from year to year is a great way of improving your operating skills.

### Accuracy Records

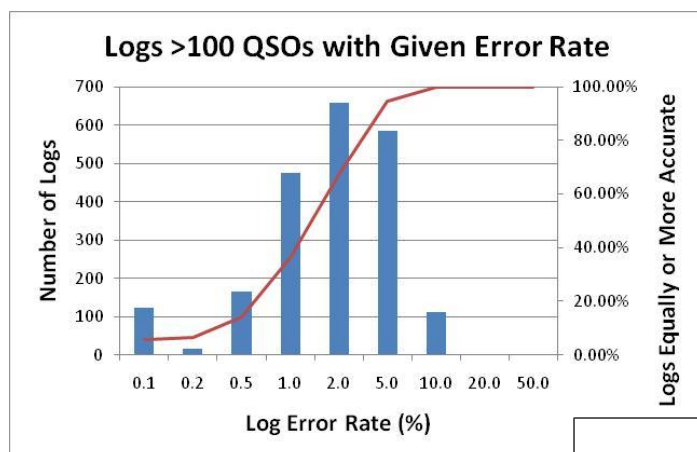
#### Top Index by Year

Max W-VE Index 13.837

Call	Category	QSOs	Error %	Index	Year
SO VY2ZM	SOHP	4084	0.5	13.561	2010
SOA W2RE	SOAHP	3541	0.7	13.479	2011
MO K3LR	MM	7894	0.6	13.837	2011

Max DX Index 14.026

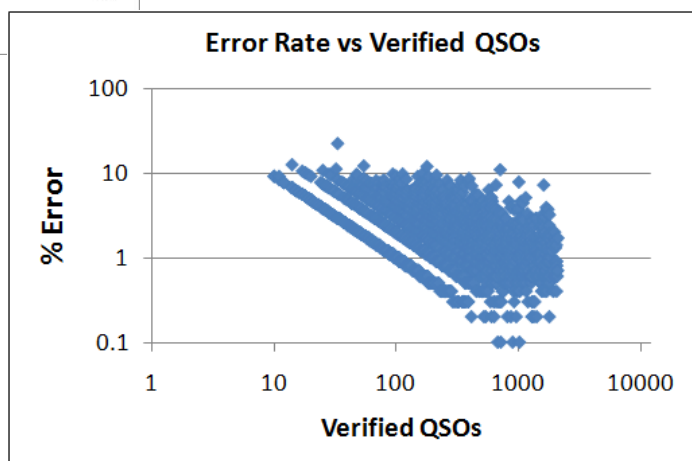
Call	Category	QSOs	Error %	Index	Year
SO 8P5A (W2SC, op)	SOHP	9292	0.5	13.918	2011
SOA J7N (K3TEJ, op)	SOA	4684	0.8	13.591	2010
MO PJ4G	M2	12197	0.6	14.026	2011



How do you stack up? The following two figures tell the tale. In the chart of number of logs versus error rate, your task is to move to the left. You want to be in a bar showing lower error rate. On the chart showing error rate versus verified good QSOs, your task is to move lower and to the right.

The following are the ten largest Golden Logs (zero errors) for this year's contest – congratulations to these skilled operators!

Call Sign	QSOs
DL5KUT	741
JA7COI	515
W1MAT	402
K4MF	369
XE1ZTW	339
W5KI	338
K4CX	321
AE1P	303
K2BBQ	303
IK2ANI	301



*Operating from a jungle Dxpedition location on the Fly River in the Western Province of Papua New Guinea. ... P29CW.*

## **DXing**

The top DX count band bonanzas for multi-op and single-op are really starting to heat up on the high bands. This is quite a change from last year when the top W-VE multiplier total on 10 meters was 30! It's an open question whether there will be good enough 80 meter conditions deep enough into the new solar cycle for one of the top stations to bag a 5-Band DXCC – top-mult-sweeping-K3LR is only four DXCC entities away from “hitting for the cycle” and I know Tim is already furrowing his brow trying to figure out where those QSOs will come from!

160: K3LR (MM) 59, W2MF (SOSB-160) 49  
80: K3LR (MM) 96, AA1BU (SOSB-80) 89  
40: K3LR (MM) 119, W5WMU (SOSB-40) 101, 6 stations made DXCC  
20: K3LR (MM) 149, K2TR (SOSB-20) 123, 37 stations made DXCC  
15: K3LR (MM) 140, N2IC (SOHP) 118, 78 stations made DXCC  
10: K3LR (MM) 108, W5PR (SOSB-10) 92, 2 stations made DXCC

On the DX side, which stations had the highest overall multiplier total? Not surprisingly, the station had to be close enough to North America for the low bands to be productive while not so close that 10 and 15 meters skipped over large areas. Thus, all of the top multiplier magicians are found in the Caribbean or on the north shore of South America.

TO7A (UT5UGR, op)	349 (SOHP)
PJ2T (K6AM, op)	348 (SOHP)
P49Y (AE6Y, op)	344 (SOHP)
PJ4G	343 (M2)
8P5A (W2SC, op)	340 (SOHP)

## **Some Simple Requests**

After the statistics and stories, I'd like to relay a simple request: Make sure your station information is correct before sending in your Cabrillo-formatted log! The log checkers have a big enough job to do, so make it easy for them to get your score in the right category and location by double-checking the information in the header and in the exchange for each contact. This information should be updated by using your logging software's configuration options so that the information is correct every time. You can also use a plain-text editor (such as *Notepad* – free with the Windows operating system) to change and save the Cabrillo log file before emailing. The ARRL contest email-handling robot will respond with the QTH (and category) you sent with the log – be sure it's correct! If not, edit and resubmit your log with the correct information.

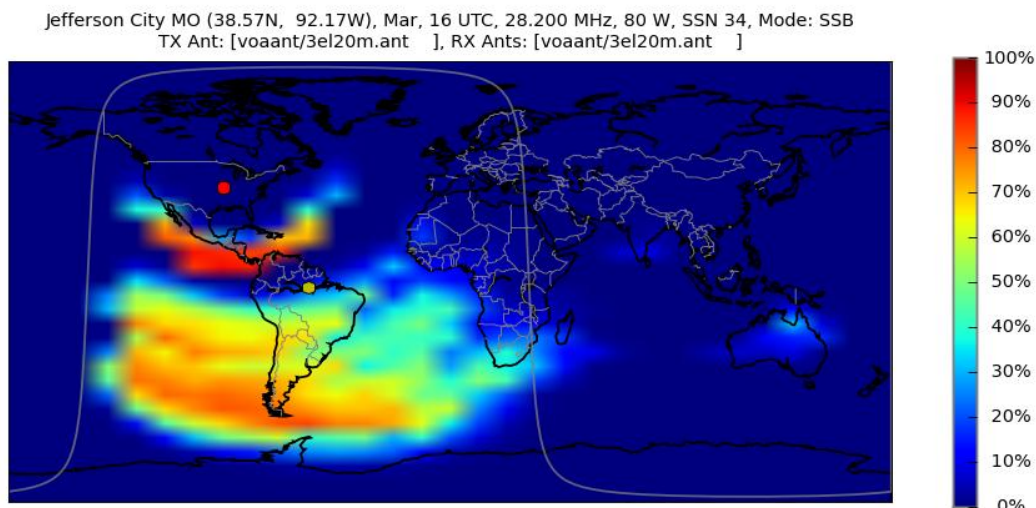
*“DX Stations – QRZ is not your call sign!” – KM3T, op at K5ZD*

Stations running a pileup, we encourage you to give your call signs frequently – and those of you who aren’t know who you are. The seconds ticking by while you “assume” everyone is logging your call correctly are incredibly frustrating from the other end. You are losing QSOs and you are wasting time logging unnecessary QSOs from duplicate contacts and from busted spotting network calls. Don’t depend on the spotting network to do your CQing for you! It is no coincidence that the top scoring stations give their calls every time or go no more than two or three QSOs without identifying.

Audio quality is also something many stations can improve. Turn down the compression and the microphone gain – watch that ALC meter! I was operating at W1AW on Sunday afternoon during a 10 meter opening and it was hard to make out many call signs because of poor audio. One particular instance was notable: I was struggling to understand phonetics from the several stations calling when one station with beautiful clear audio dropped in his call. The difference was stunning. No repeats or requests for confirmation were needed – he was in and out of the pileup in seconds while others were still trying to get through. That’s the way it should be done – it doesn’t matter how loud you are if the station on the other end can’t understand you!

### Distance Scoring

As after most DX contests, a discussion of whether distance scoring would be a “fairer” method of calculating points for each QSO. After all, the Stew Perry Topband Distance Challenge uses grid squares to calculate QSO points and that seems to work fairly well – why not for a DX contest? The picture below gives one reason why not. The VOACAP graphic shows the expected coverage for 10 meters from Jefferson City, MO in March of 2011 at 1600 UTC with 3-element Yagis 66 feet high on each end of the path. Brighter colors predict more likely communications with stronger signal levels. (Graphic obtained from [www.voacap.com/coverage.html](http://www.voacap.com/coverage.html).)





With the beam pointed south, which would be a more difficult QSO? HC8 or CEØY more than twice as far away? PZ on the north shore of South America or southern LU nearly three times as distant? 6Y close by in the Caribbean or HP which is 50% farther? Clearly, distance alone is not a useful scoring metric on any band with a skip zone as the results of the DX MSLP first and second place illustrate! Things get even more complicated when you realize that the picture looks completely different just a few hours later and on the different bands even at the very same time.

Unless the scoring algorithm is able to take into account the myriad factors affecting ionospheric propagation – time and date (at the time of the QSO as well), geographic latitude, solar activity, geomagnetic activity, frequency, and many more station variables such as antenna height – distance scoring will be just as unfair in different ways from the current scoring system.

There are many ways of improving the competitive environment in a DX contest – there will always be “sweet spots” so why not focus on competition within your region? Our Regional Analysis authors do just that – if you feed them the story, we’ll publish it! Or create your own “Contest Within A Contest” that is meaningful within your region. As long as the rules are compatible with those of the overall contest, go for it! Write up the results and send a copy or the link to your publication to your Regional Analysis author. Sponsor plaques or trophies for regional winners and then be sure to advertise them. Here’s an example – the DX and contest clubs in the Pacific Northwest sponsor the [Pacific Northwest Challenge Cup](#). It’s hotly contested every year and awarding bragging rights for the coming contest season is a major draw at the yearly DX convention.

In summary – there will never be a continent-wide level playing field in a DX contest but regionally and locally the geographic variations are much smaller. And then again, one can always work on improving one’s station and operating skill – the purpose of having contests in the first place.

*”Just a girl and her radio.” N7RQ (SO15)  
LICENSED : 16.02.2011 ... YO6PZZ.*

### **Concluding Remarks**

After the DX Phone weekend was over, I sent an email about conditions to Doug K1DG and suggested we’d been just a little early. “No,” he replied, “the band was late!” Maybe so – whatever the reason, we all enjoyed having such good conditions on 15 and 10 meters during the phone weekend. Next year – even with a slowing solar cycle predicted – should be even better. Get the ARRL DX contests (18/19 Feb and 3/4 Mar) on your calendar now, polish up those high-band antennas, and get ready for a healthy dose of radiosport!

73, Ward Silver NØAX



## Appendix A - Category Abbreviations

SO:	Single Operator
HP/LP/QRP:	High Power, Low Power, QRP
AB:	All Band
SB:	Single Band
A or U:	Assisted or Unlimited (see below)
MO:	Multioperator
MS:	Multioperator, Single-Transmitter
M2:	Multioperator, Two-Transmitter
MM:	Multioperator, Multiple Transmitters

These abbreviations are usually combined, such as SOLP for a Single Operator, Low Power entry. (Usually the “AB” is omitted.) A band number will be added to a Single Operator, Single Band entry, such as SO-10 or SOSB-15. A or U indicates that the operator made use of information from the call sign spotting networks – assistance doesn’t refer to “assistance”, such as physical help with operating, for example.

## Appendix B - Error Rate and Accuracy Index

Error rate is calculated in percent as the number of “bad” QSOs – those listed in your Log Checking Report with a busted call (B), a miscopied exchange (X), or “Not In Logs” that can’t be found in the other station’s log (N) – divided by the total number of verified-good QSOs after duplicates have been removed from that log.

$$\text{Error Rate (\%)} = 100\% \times (B+X+N) / \text{QSOs}$$

The accuracy index is a measure calculated so as to reward lower error rates for large logs. That is, for two logs with equal error rates, the log with more verified contacts has a higher accuracy index. The higher the index, the more accurate the operator(s).

$$\text{Accuracy Index} = \log(\text{QSOs}) + 10 \times (1 - \text{Error Rate in \%}/100)$$

## Regional Analysis

It is your editor's strongly-held belief that the vast majority of participants – whose calls do not appear in any of the “boxes” or leader boards – compete against themselves and against their local and regional peers. It is recognition among those peers that brings them back to the game again and again. That's why it's so important to have regional write-ups that look beyond the top scores.

The main contest writeup – in *QST* and on the web – should rightly focus on the overall leaders, since they have made the big effort to make those huge scores. They deserve that coverage. That doesn't diminish the achievement of any operator moving up in the standings, making the most of a modest station, or taking advantage of smart strategy. We applaud and encourage their efforts, too.

An attempt is made every year to have each ARRL Division and all of the continents graced with the attention of a resident (or nearly-resident) author to look at their results and emphasize the best efforts among propagational peers. (Some might be “Under Construction” when this writeup is first released, but keep checking and they'll be added as soon as they are available.)

In a DX contest spread across the world, the variations at smaller scales are often what hold our personal interest. It's definitely worth taking a minute to read the analysis for your region and learn more about the contest from your area. Note that we are looking for a European editor – if you are interested, please contact NØAX ([n0ax@arrl.net](mailto:n0ax@arrl.net)).

Please welcome the following new editors this year:

- Delta Division – Trent Fleming, N4DTF
- Northwestern – Scott Tuthill, K7ZO
- Roanoke – Paul Opert, K8PO

Your regional editors do the best job they can, but are often limited by a lack of information about your station and its operator. You can help them in future contests by uploading your contest stories to the [ARRL Soapbox pages](#). Soapbox comments from your Cabrillo-formatted log are gleaned for them to use, too. Alternatively, you can contact the editor for your Division or Continent directly--they will appreciate it! Don't be shy about contributing photos and comments – we would love to see them, no matter what the capabilities of your station may be. We're interested!

## Atlantic Division – by Charles Fulp, K3WW

This year we saw a nice increase in activity in the Atlantic Division – a total of 211 entries, with about 282 operators was an increase of 33 entries and 42 total operators. Many commented on the improved 10 meter propagation.

Single Op Low Power was the top class with 57 entrants, up from 49 last year. Scores were up with [W6AAN](#) leading the pack with over 1.2 million points. W2TF, KB3LIX, W2CCC, [WB8YYY](#), and KV2M followed with scores of over 200K. W6AAN and W2TF made the overall Top 10 list.

The Single Op Assisted High Power class gained two over last year's SOA class with 51 entries. Ray, [W2RE](#) operated from his new NNY QTH, moving into the Atlantic division where his overall Number 1 also let him take over as the Atlantic division leader. The move pushed frequent division leader [K3WW](#) into second place, closely followed by Bud, [AA3B](#) with a personal best score, then [N3RS](#), K2SG, and [K3PP](#) all with over 2 million points and top 10 overall finishes, then N2MM, [W8FJ](#), W3EA, N1WR, [N3ZA](#), [AB3CX](#), W3KL, N1IBM, and K3IPK all with over 1 million points, a big increase in big scores for the SO Assisted High Power guys.

The next most popular class was Single Operator High Power, with 34 entrants, down 5 from last year. [AA1K](#) ended up edging out [W3BGN](#) by about 7,000 points with 3.179 million points. Last year's winner [K3CR \(LZ4AX op\)](#) trailed both by about 90K. All three made the overall Top 10. [K3ZO](#) was just under 3 million and K3TC broke one million.

The Atlantic Division had 28 Single Band entrants this year, up by 10. SOSB15 was the most popular with 10 entrants, led by N2PP with over 500K points and an overall Top 10 finish, followed by [W8UEG](#), N3JDQ and K2BQW. SOSB20 was the next group with 7 entrants led by [K3SWZ](#) with 56K points, followed by [WB2KLD](#) and KB3VKI. SOSB10 had 5 entrants led by W2RR (WA2AOG op) with 65K points and an overall Top 10 finish, followed by [KA2LIM](#) and WB2AIO. SOSB160 had 3 entrants with [W2MF](#) making 16 K points followed by [W3GH](#) and [W2VO](#). All made the overall Top 10. SOSB80 had 3 entrants With KM3J earning 8K followed by K2SZ and K7LU. No one entered SOSB 40 from the Atlantic Division this year.

The new Single Operator Assisted Low Power class had 17 entrants, many that used to go head to head with the high power assisted gang. Dedicated low power op, Keith, [W3KB](#) with 687K beat out Ken, [NK3Y](#) with 605K, both made the overall Top 10. [N3ALN](#), K3AU ([K2YWE](#)op) and WW3S all broke 200K.

Multi Single High Power replaced Multi Single which had 12 entrants last year, with a total of 8 this year. Once again Team [K9RS](#) led, the division with 4.5 million points. [K3MD](#) edged out last year's second place finisher [W3MF](#); all 3 were in the overall Top 10. [N2RM](#), [KN3A](#) both broke one million points this year. Team DC, W3DQ came in with just under a million points from our nation's capital.

Perhaps the 4 lost entrants were in the new Multi Single Low Power class. NO2J, [W3WN](#), K2DV and K1DM/3 were the first Atlantic division teams to try this class. They all made the overall Top 10 box.

Single Op QRP went from 1 to 4 entrants this year. Perennial winner Tom, K3TW has

moved to Florida leaving the class wide open. Congratulations to WB7OCV, who beat out [N8HM](#), WBØIWG, and KX2J to become the new Atlantic Division QRP champion.

There were many operators involved in the 4 Multi Multi entries in the division. Once again team [K3LR](#) beat out team [W3LPL](#) for an Atlantic Division finish that is the same as the entire contest finish. NE3F finished third in the division again and WG3J joined the big boys for 4<sup>th</sup> entrant this year, they both also made the overall Top 10.

Multi Two was down from 5 to 4 entries this year with [WE3C](#) dominating the division again, as well as the whole contest. [K2AX](#) finished with a strong second and made the overall Top 10, followed by WA3EKL and [W3CC](#).

2011 was another good year for the ARRL DX Phone contest in the Atlantic Division.

---

## Central Division – by Ralph Bellas, K9ZO

Under construction

---

## Dakota Division – by Bill Lippert, ACØW

After the ARRL DX CW weekend Dakota Division stations were pleased to see 10 and 15 meters open up to make for a fun and enjoyable weekend. The following comments provide a good summary of what people were saying in the Dakota Division: “If only we could have had these condx for CW weekend (heavy sigh)”, Steve NEØU; “10 meters !!! What a pleasant surprise on Sunday & 15 was still open to Europe into the afternoon. Very Cool”, Mark KØKX; and “Man that was fun!! Memories of solar activity from the past”, Ron WBØSOK. To make things even better for Mark and Ron, they both finished first in their category in the Dakota Division.



2010 VP5H 5-band tee shirt (Photo by NRØT)

Improved conditions also brought out 11 more stations in the Dakota Division than last year. We even saw one new scoring record set in the Single Op, High Power, All Band Category. Steve, KØSR broke a 19 year old record set by KEØOL (now KØPA) in 1992. Congratulations Steve, we look forward to even more new records as conditions improve over the next few years.

With the improved conditions many Minnesota Wireless Association members were focusing on working fellow MWA members at VP5H on 6 bands this year. Last year most fell short of that goal last year which they did not want to repeat. From the chatter on the MWA reflector many were successful at getting VP5H on 5 or 6 bands. The team at WØAIH did not

take any chances with many of them wearing the VP5H tee shirts from last year as a reminder of falling short of the goal by one band last year. Fortunately Taty, OA4ABC got VP5H in the log on 10 meters Saturday morning for the last band.

Taty, OA4ABC at 10 meter rig of  
WØAIH (Photo by NRØT)



This year we had two Dakota Division stations making it into the US Top Ten Box, doubling the number from last year. Mark, KØKX, finished in the number 5 U.S. spot in the single-op assisted high power category.

Making a repeat visit to the Top Ten box is Randy, NDØC, finishing at number 6 in the single-op QRP category. Randy achieved this by only working part time and staying off of 80 and 40. As Randy put it in his soapbox posting: “I had decided to try to



preserve what bit of sanity I have left (considering I operate 100% QRP) and not venture into the QRP hell of 80 and 40 SSB this time.”

Randy, NDØC, Dakota Division QRP  
Winner (Photo by NDØC)

Based on the feedback I’ve received, it seems people like the tabular format of the Dakota Division results. At the end of this section you

will find three tables. Table 1 shows the eleven Dakota Division stations that made their way into the Midwest Region Top Five boxes. This is up from seven last year. Table 2 shows the top nine Dakota Division stations in their respective categories. Finally, Table 3 presents the three section only winners, all from South Dakota.

Speaking of South Dakota, the number of entries from the Dakotas was down this year. While North Dakota had no logs submitted, we do know stations were on the air, Tom, KC0W, operated mobile and I’m sure a few others were on as DX stations were reporting clean sweeps of all sections. Hopefully next year they will remember to get their logs submitted in time.



### *Dakota Division Operations Outside the Region*

Three stations staffed by operators from the Minnesota Wireless Association deserve mention here for their fine finish. First we have VP5H staffed by Glenn, WØGJ (shown operating VP5H at right in a photo by teammate KØMD); Scott, KØMD; and Mark WAØMHJ. Their claimed score of 7,595,790 gives them a shot at the # 1 spot for the Multi-single high power category based on claimed scores on 3830. This is any increase of almost 1.6 million points over last year. Good luck guys, hope you accomplish your goal.



The next station participating in the Multi-Multi category from Wisconsin is WØAIH, finishing 5th in the category, up one spot from last year. With the improved conditions, the 15 meter station saw more activity than the 20 meter station, which has been the work horse station the last few years.

The final station making it into a Top Ten box is NØIJ operating the in the Multi-2 category from Wisconsin. The crew finished eighth overall. Dick, NØIM, had this to say about his time at the run station “15 meters was H-O-T today. I relieved NØIJ around 0930 and didn't leave the chair until I departed ~1430. What a pleasure it was to hear all those European stations calling.”

Thanks to all the Dakota Division stations for getting on the air and making this a fun contest for everyone. Hope to hear you all next year.

73, Bill ACØW

Table 1 - Dakota Division Stations in Midwest Region Top Five Box

<u>Station</u>	<u>Category</u>	<u>Region</u> <u>Finish</u>	<u>Section</u>	<u>Score</u>
KØSR	SO AB HP	4	MN	1,318,740
WBØSOK	SO AB LP	4	MN	263,562
NDØC	SO AB QRP	2	MN	153,624
NØUR	SO AB QRP	4	MN	20,196
WØBM	SOA HP	1	MN	872,784

NØAT	SOA HP	3	MN	761,733
KBØEO	SOA HP	5	MN	581,670
KØKX	SOA LP	1	MN	942,645
NØUY	SOA LP	5	MN	342,324
KØJA	MS HP	3	MN	438,768
KEØL	M2	3	MN	401,145

Table 2 - Dakota Division Winners

Station	Category	Section	Score
KØSR	SO AB HP	MN	1,318,740
WBØSOK	SO AB LP	MN	263,562
NDØC	SO AB QRP	MN	153,624
WØBM	SOA HP	MN	872,784
KØKX	SOA LP	MN	942,645
NØOK	SO 10	MN	1,944
NØPK	SO 15	MN	67,797
KØJA	MS HP	MN	401,768
KEØL	M2	MN	401,145

Table 3 – Section-Only Winners Dakota Division

Station	Category	Section	Score
WDØBMS	SO AB HP	SD	38,889
WBØTSR	SO AB LP	SD	169,260
KØPIR	SO 15	SD	765

---

### Delta Division – by Trent Fleming, N4DTF

The Delta Division was well represented in this year's ARRL DX Phone contest. This was in spite of the weather: many operators, including your correspondent, were chased off the air more than once by lines of thunderstorms featuring lightning and strong wind. Ted, KN5O, writing for the W5RU Delta DX Contest station, also reported several interruptions from the storms.

Steve, NA4K, winner of the SOLP category in Delta Division, reported that the storms interfered with his low band efforts both nights. Steve ran a K3 and used N1MM logging software. For aluminum, Steve relied on an 80 meter vertical hanging from the pine trees, a 40 meter Zepp used on 40 - 10 meters at 85 feet and Johnson KW matchbox, and a TH6dxx 20 - 10 meters at 60 feet. Steve reports that his efforts were 90 percent Search and Pounce, only called CQ two times on the second day, once on 10 meters and once on 15 meters. He said it was good to have 10 and 15 meters open to Europe and to have 15 meters open to Japan later, which really helped the score.

Solar conditions were favorable, with flux moving above 140 by Sunday, and many enjoyed great conditions on the higher bands, including 10 and 15 meters. “Welcome Back, 10!” was a common Soapbox comment. Many operators reported the best signals they've heard on 10m in years. W5RU won the Multi-Op, Two Transmitter category, and reported great conditions on Sunday for both 10 and 15 meters. Several stations, including Patrick, AE5PW, reported contacts into the South Pacific on 10m Sunday afternoon.

Stan, K5GO, was the Delta Division winner for Single Operator, Single Band on 15m. Stan reported steady runs into Europe and Asia allowing him to compile a score of more than 560,000 points.

Lastly, three categories had no entries from the Delta Division . . . Single Operator, 160m; Multi-Op, Single Transmitter Low-Power; and Multi-Operator, Multi-Transmitter. Think I'll keep that in mind for next year!

---

### **Great Lakes Division – by Greg Surma, K8GL**

It finally happened. We knew it was only a matter of time! 10 and 15 meters were back in grand style during the ARRL DX Phone contest held in March 2011. Participants from the Great Lakes Division happily took advantage of the hotter bands, especially appreciating the much anticipated opening of 10 meters.

How much better were conditions? In 2009 Great Lakes participants reported 162 10 meter contacts. In 2010 570 ten meter contacts were counted towards Great Lakes Division final scores. In 2011 a whopping 5304 QSO's were reported. Multiplier totals were similarly higher than previous years, with division leading K8AZ leading the way with contacts with 72 entities. How soon will 10 meters yield a one-weekend DXCC? The propagation crystal ball indicates that 2012 is a good bet. Out-of-division-by-one-mile K3LR managed 108 multipliers on 10 meters in the 2011 affair.

Also enjoying the renaissance in sunspot activity was 15 meters. Comments such as “15 meters was just amazing” and “the conditions were better than I anticipated” and “15 meters was wall-to-wall signals all day” pretty well summarizes the comments received. Contestants with low power and humble antennas were basking in the great hourly rates even in the S&P mode.

20 meters remained a meat-and-potatoes band for those stations who didn't mind digging thru the QRM to make the exchange. WA8RCN exchanged log entries with almost 400 DX contestants to claim the division leading 20 meter score and the number 8 spot among W/VE



contestants. Single op all band W5MX and M/2 K8AZ had 400 and 800 Q's respectively on the band.

Heavy rain and snow static put a damper on much of the low band activity. Those willing to duke it out had mixed feelings about the 7125 to 7200 transceive activity. Some longed for the old days of split operation. SOAHP N8TR (using simple wire antennas) and SO40 operator K8DJC racked up impressive multiplier totals on 40, while SOLP NA8V managed 52 multipliers in his single op single band 75 meter effort. Greg managed the 6th highest reported score from this end while running low power to a pair of wire verticals.

Can you imagine operating for hours on 75 meters and only having a GM3 contact to show for your effort? Ever-patient KT8K, the Ann Arbor wizard running QRP to simple wire antennas, reported those results. Tim was rewarded by having the highest score in the division and the number 10 score for W/VE while running QRP. Imagine his results with a legal limit station to some serious aluminum.

Perseverance and a positive attitude will get you everywhere. Ralph N4NTQ operated a mere 20 hours with his old venerable Yaesu FT757GX and Mosley TA33 up 40 feet. He took the SOLP crown for the division and lists his highlights as "...loads of fun making contact after contact, having people call me in a pileup, and, by the way, 10 meters!" Congrats on a fine effort!

The most eloquent summary of proper contest operating is from the pen of KD8GOX. Karl writes that "...Contest scores are (resulted from) time in the saddle and continuously thinking about how you must sound on the other end and using your brain to improve your chances.....It is not just from blindly calling into the mic or pounding it out on the key". Great advice!

The countdown to the 2012 contest is under way. Now is the time to improve the antenna system or make that change to the station that you've been putting off pending better conditions. CU in the fray!

---

### **Hudson Division – by Ken Boasi, N2ZN**

As if by magic or by the sheer will and hope of hams all over the world, the waiting was over. High band propagation finally made a welcome appearance during the weekend of the ARRL DX SSB contest. Openings to Europe and Asia on 10 meters brought the believers back to their radios, while those that fought out the doldrums were rewarded for their patience. This can only be the start of something that we should be able to enjoy for the next few years (or so we hope!).

This year, a number of new calls from the Hudson Division showed up, proving that good conditions will bring everyone to the radio, at least for a little while! 113 logs were submitted from the Hudson hams this year, compared with 104 in 2010 and 97 in 2009. With each year showing growth, no matter how small, DX contest activity is surely growing.

Nationally, the Hudson Division was home to at least one #1 USA winner, as it has been in previous years. Fred, K2TR, operating from his refurbished station in ENY, was #1 USA in

the single band, 20 meter category, finishing with over twice the score of his nearest competition! “The contest was my second mono 20 this year. I was lucky to get a clear run frequency on both Saturday and Sunday. The antennas played well. They are 5 element OWA designs on a 52' boom. The lower is fixed on Europe at 66'; the upper is rotatable at 111'. My second 4 over 4 antenna array on 20 suffered wind damage and was not used. The FT-2000 and AL-1500 amplifier worked perfectly”. With nearly 2100 QSO's and 123 countries, there's no doubt things were working well that weekend. Congratulations and welcome back, Fred.

Other nice placings within the national standings for Hudson Division contesters were N2RJ (#6 SOLP), W1GD (#6 SOAHP), W2IRT, (#8 SOAHP), KA2D, (#7 SOALP), KU2M (#4 SOSB15) K2XA (#3 SOSB80), and N2GC (#8 SOSB160). Many of these familiar calls took the opportunity to put more time in the chair this year, most likely due to the excellent conditions.

Locally, some new calls are seen in the listings for division-wide plaques. Congratulations to any first time plaque winners; it is a great thrill to see your call on one! Peter, NX2X was #1 SOHP for the Hudson Division, just barely beating out his cross-river rival David, KM2O; even in defeat, David was gracious: “This was my best ever score in this contest. It is a tribute to all my fellow area hams who have assisted me over the past couple of years in erecting a new tower and getting running as a high power station. From here I just have to stay in the chair longer to keep pace with others like my HVC DX colleague and friend across the river Pete NX2X who had an amp blow halfway through the contest and to beat my claimed score. Way to go Pete!”. Ryan, N2RJ was #1 SOLP. #1 SOQRP was W2JEK, and #1 SOA belongs to another familiar call, W1GD.

Tom, KA2D was #1 SOALP. He said “I ran LP assisted, all S&P... as I am not proficient at running, and sometimes have fat fingers. First time using a homebrew DVR using the sound card and wav files”. This was the first year the Assisted category was expanded to include power levels, a decision that seemed popular among the participants.

WB2AMU was the top Hudson Division scorer in the Single Band 10 meter category, with 104 QSO's and 27 countries. Much better than last year! Peter, KU2M was #1 in the single band 15 meter category, while K2TR, as mentioned was #1 USA and also #1 Hudson Division. There was no entrant for Single Band 40 meters this year, but K2XA and N2GC made sure that 80 and 160 were not neglected, as they took home the plaques for their respective bands. W2CG again made an appearance in the M/2 category, and were #1 in the division. No entrant in Multi Multi from the Hudson Division has shown up in the last few years...come on guys, what will it take? Maybe next year, right?

A brief look at each section...

In New York City/Long Island, WA2OVG was #1 in single band 20, while N2GC and WB2AMU were tops in the 160 and 10 meter single band competition. Section manager N2YBB captured the #1 spot as SOLP, while K2BBQ was #1 SOHP. KA2D was #1 SOALP, and fellow Boiled Owl N2MUN was #1 SOAHP.

In ENY, where antennas grow a bit more plentifully than in NLI, K2XA was #1 in the single band 80 meter category, while national champion K2TR was #1 SOSB20. WX2N captured the top spot in single band 15 meter activity. Another familiar call, WA2JQK was #1 SOLP, while division champion NX2X was #1 SOHP. N2SQW and KF2O were #1 in SOALP and SOAHP, respectively, while W2XL was #1 in M/S HP.

NNJ champions this year were WR2G in #1 as SOSB 20, and division leader KU2M was #1 SOSB 15 in NNJ. Perennial QRP winner W2JEK again claimed #1 in NNJ and the division! N2RJ was #1 SOLP, while K1AK, operated by John, W2ID, was the top NNJ score in SOHP. Even more remarkable was John's achievement of finishing #3 in NNJ in the SOLP category also! Here's how he did it: "I do remember a little about the contest. I got on the air Saturday morning to try out my new QTH for the first time in a DX contest. I just have a 2 element quad up 40 feet, and tried 20 meters in the morning, and maybe a little on 15 when it opened up. I didn't get many answers by CQing with 100 watts, so I switched to just S&P. It was very frustrating, so I gave up pretty quickly. Later in the weekend, I decided to give high power a try. So I went to Home Depot and got some parts to make up a 240V extension cord, and plugged in the amplifier. I decided to use our club call (K1AK) so that I could differentiate between the low power operation and the QRO operation. It was a lot more fun being able to call CQ, and also good being fresh meat late in the contest. I ran for a couple of hours until my wife dragged me away from the radio to work on the honeydew list. Even though I was on the air QRO for a LOT less time, the QRO score was about 50% higher". So, lesson learned, kids; staying in the chair, no matter what, might make you a winner! The top score in SOALP went to KC2WLO, while Gerry, W1GD, added another terrific SOAHP score to his impressive past efforts and picked up another #1 NNJ certificate in addition to the Division plaque. Frequent QRP entrant George, K2DM appeared in the SOAHP category this year, puzzling a few of us: "I was unable to defend my ARRL DX CW QRP title this year because I was vacationing in Florida. Normally, I do not participate much in ARRL DX SSB, but I got on and made a part-time SOAB entry in order to contribute some points to the Frankford Radio Club effort. I had a lot of fun, but it was certainly not a serious effort".

Rounding out the NNJ section was AB2DE as #1 M/S, and W2CG #1 NNJ, in addition to their division win.

In the Club competition, two of the titans share territory in the Hudson Division, and numerous participants submitted logs on behalf of a club. This year, the Frankford Radio Club eked out a win over the Yankee Clipper Contest Club in the Unlimited category. FRC had 222 million, compared to YCCC's 220 million. Even more remarkable about this win is the fact that FRC had 27 fewer logs submitted than YCCC, yet they ended up ahead, breaking a two year YCCC winning streak. In the Medium category, the Hudson Valley Contesters and DXers were #4, with 42 submitted logs, and the Order of Boiled Owls were #14 in the Medium category.

How is club competition driven? It could be argued that the number of logs could lead to a winning club score, but judging by FRC's win this year, that isn't the case. It seems that the

entry category could have something to do with it; after looking at the data from the Hudson Division, it seems that the number of Assisted entries that are submitted on behalf of a club is very high, while the number of Assisted entries not submitted on behalf of a club is very low. This year, 113 logs from the Hudson Division were received; out of those, there were 36 assisted entries (single operator, either high or low power). Of those 36 assisted logs, 30 were submitted on behalf of an Unlimited or Medium club; 1 was submitted on behalf of a local club, and 5 were not affiliated with any club. And, out of the four Medium or Unlimited clubs, here are the stats (Hudson Division only):

Medium/Unlimited Clubs	Entries	Assisted Entries	% of Total Assisted Entries	% of Total Club Entries
FRC	17	11	31%	65%
YCCC	8	4	11%	50%
HVCDX	21	10	28%	45%
Owls	6	5	14%	83%

So, the numbers do show that the Assisted category is being used more frequently by hams in the larger contest clubs, while hams associated with a local club (or no club at all) prefer to enter unassisted...or perhaps are not aware of the Assisted category at all? Maybe with the recent expansion of the Assisted category to include low power ops, instead of lumping everyone together, things will change.

Looks like that's all for me this year-congratulations to all the winners, and thank you to everyone who took time to send their logs in, and keep the contest growing. But next year, come on and let's try for at least one M/M entry.

---

### **Midwest Division – by Toni Radebaugh, NØNI**

Activity from our division is increasing each year. The largest increase in entries came from Missouri, which continues to be the most active state with 29 entries this year. Missouri is followed by Kansas, Iowa, and Nebraska.

When the numbers are added up, our Midwest division participants racked up a score of 10.2 million points. Fortunately 10 and 15 meters were open, allowing us to more than double our 2010 score. The total QSO count was 16,831, and 7,547 country multipliers were logged. Scores for contest entrants were anywhere from 12 points to 3.4 million points.

The table below shows total QSOs by band when all entrants in our division are added up.

<u>Rank</u>	<u>Band</u>	<u>QSOs</u>
1	15	6,319
2	20	4,487
3	10	2,926
4	40	1,328
5	80	567
6	160	63

Entry class listed in order of popularity

Single Operator Low Power	25
Single Operator High Power	18
Single Operator Assisted High Power	11
Single Operator Assisted Low Power	5
Single Operator Single Band 15m	5
Single Operator Single Band 10m	4
Multi Operator Single Transmitter High Power	2
Single Operator Single Band 20m	1
Multi Operator Single Transmitter Low Power	1
Multi Operator Two Transmitter	1
Single Operator Single Band 80m	1
Multi Operator Multi-Transmitter	no entry
Single Operator Single Band 40m	no entry
Single Operator Single Band 160m	no entry
Single Operator QRP	no entry

### Division Leaders:

<u>Call</u>	<u>Class</u>	<u>Score</u>	<u>State</u>
KØDEQ	SOHP	271,206	Missouri
KØBJ	SOLP	340,095	Kansas
NCØO	SOAHP	600,600	Iowa
KCØDEB	SOALP	220,149	Kansas
WNØL	SOSB10	11,187	Nebraska
KØRH	SOSB15	56,592	Kansas
WA5SWN	SOSB20	756	Kansas
KØKT	SOSB80	10,731	Iowa
NØNI	MSHP	3,471,144	Iowa
KDØHMH	MSLP	936	Kansas
NØMA	M2	979,068	Iowa

### Single Operator High Power

This is the class with the 2<sup>nd</sup> most entries, and it was certainly popular in Missouri with 8 of the top 10 scores coming from that state. KØDEQ led the pack as shown in the Top Ten box below.

#### Top Ten Scores

<u>Call</u>	<u>Score</u>	<u>QSOs</u>	<u>Mults</u>	<u>State</u>
KØDEQ	271,206	496	183	Missouri
WØHBH	216,750	434	170	Missouri
KØARY	200,430	397	170	Missouri
NØIRM	197,628	390	172	Missouri
WMØL	165,996	356	159	Nebraska
WDØECO	148,656	310	163	Missouri
KBØVE	137,676	303	154	Missouri
KØOU	132,990	297	155	Missouri
WØBH	103,632	276	127	Kansas
KDØZZ	76,560	235	110	Missouri

### Single Operator Low Power

This is the most entered class with all of the states represented in the Top Ten scores listed below. KØBJ was the leader with a score better than any of the high power entries.

#### Top Ten Scores

<u>Call</u>	<u>Score</u>	<u>QSOs</u>	<u>Mults</u>	<u>State</u>
KØBJ	340,095	557	205	Kansas
KYØK	247,050	459	183	Nebraska
NEØS	172,800	324	180	Missouri
WBØLJK	102,753	235	147	Iowa
KBØNHW	89,646	227	134	Missouri
K2HT	70,821	187	129	Missouri
WBØPYF	70,434	182	129	Missouri
KØMDS	67,512	198	116	Kansas
NZØF	44,394	159	98	Kansas
KAØVXK	44,394	157	98	Nebraska
ADØH	36,900	156	82	Iowa

#### Single Operator Assisted High Power

All states in the division were represented in this class, and the most entries in the Top Ten score were from Kansas. NCØO in Iowa was the winner and also had the best score of any single operator entry classes.

#### Top Ten Scores

<u>Call</u>	<u>Score</u>	<u>QSOs</u>	<u>Mults</u>	<u>State</u>
NCØO	600,600	732	275	Iowa
KØDG	327,129	438	253	Nebraska
WØYV	237,606	403	199	Iowa
KØJPL	218,559	409	179	Missouri
W4RK	104,544	265	132	Missouri
WØCEM	97,875	377	87	Kansas
NØUU	88,374	288	103	Kansas
ACØTP	19,008	89	72	Kansas
KØAP	14,976	97	52	Kansas
KIØHA	10,065	61	55	Missouri

#### Single Operator Assisted Low Power

KCØDEB handily placed 1<sup>st</sup>. Most of the entries were from Missouri and there were no

entries from Iowa.

#### Top Five Scores

<u>Call</u>	<u>Score</u>	<u>QSOs</u>	<u>Mults</u>	<u>State</u>
KCØDEB	220,149	405	183	Kansas
NXØI	80,190	199	135	Missouri
KØLAF	30,015	118	87	Missouri
KBØQH	12,444	71	61	Nebraska
KFØIQ	1,512	28	18	Missouri

#### Single Operator Single Band 10M

WNØL finished 1<sup>st</sup> very closely followed by AGØM in 2<sup>nd</sup> place. There were entries from all 4 states.

<u>Call</u>	<u>Score</u>	<u>QSOs</u>	<u>Mults</u>	<u>State</u>
WNØL	11,187	114	33	Nebraska
AGØM	11,160	120	31	Iowa
WAØFQK	5,226	67	26	Missouri
WØOTV	1,008	24	14	Kansas

#### Single Operator Single Band 15M

This was a popular class for Kansas and Iowa, with KØRH Jim coming out on top.

<u>Call</u>	<u>Score</u>	<u>QSOs</u>	<u>Mults</u>	<u>State</u>
KØRH	56,592	266	72	Kansas
W1SBY	2,970	34	30	Kansas
AI9I/Ø	1,560	26	20	Iowa
KCØFUE	75	5	5	Kansas
N9HDE	12	2	2	Iowa

#### Single Operator Single Band 20m

<u>Call</u>	<u>Score</u>	<u>QSOs</u>	<u>Mults</u>	<u>State</u>
WA5SWN	756	18	14	Kansas

#### Single Operator Single Band 80m

Bill KØKT finished in 8<sup>th</sup> place overall with his 80m entry using his triangle array of



verticals.

<u>Call</u>	<u>Score</u>	<u>QSOs</u>	<u>Mults</u>	<u>State</u>
KØKT	10,731	73	49	Iowa

### Multi Operator Entries

KDØHMH gave the new multi-single low power category a try this year and earned 1<sup>st</sup> place in the division and region and 10<sup>th</sup> place overall. NØNI and crew were able to finish 4<sup>th</sup> place overall in the multi-single category. WØMA placed 2<sup>nd</sup> in the division. The crew at Radio Ranch operating NØMA ventured into the multi-2 category this year more than doubling their multi-single score from 2010.

<u>Call</u>	<u>Category</u>	<u>Score</u>	<u>Qso</u>	<u>Mult</u>	<u>State</u>
KDØHMH	MSLP	936	28	12	Kansas
NØNI	MSHP	3,471,144	2387	488	Iowa
WØMA	MSHP	330,708	510	217	Missouri
NØMA	M2	979,068	1005	332	Iowa

---

### **New England Division – by Joe Fitzgerald, KM1P**

Under Construction

---

## Northwestern Division – by Scott Tuthill, K7ZO

Ward, NØAX put out a call to find a replacement for him as Northwest Division editor so I thought I would give it a try. I have authored many 3830 contest write-ups from NK7U as well as I am Joe's website manager. So, just another opportunity to write about ham radio. How good does that get?

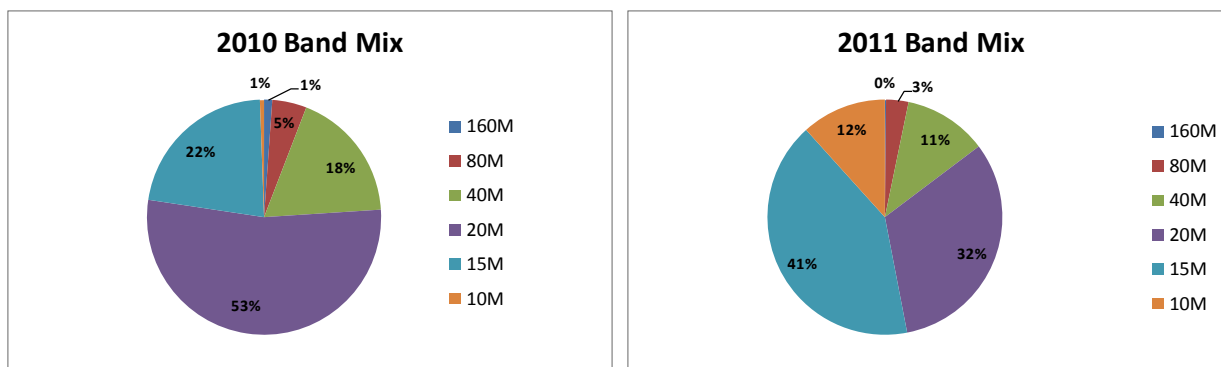
### *Participation*

Participation this year in the Northwest Division was well up from 2010. Perhaps better propagation draws people out to the bands. Makes all the sense in the world to me. In 2010 a total of 99 Northwest Division hams submitted logs for ARRL SSB whereas this year the total climbed to 119, a 20% increase! The division was out in force with every section showing equal to or better participation than 2010. Notable were Alaska with a 43% increase and Western Washington with a 56% increase. The Puyallup hamfest was not the same weekend as ARRL SSB this year and that could explain the nice increase from WWA. Can you believe they prioritized a hamfest over contesting last year! It is also interesting that ID, MT, and OR had the exact same number of logs in both years.

Section	AK	EWA	ID	MT	OR	WWA	Total
# of logs 2010	7	14	12	10	33	23	99
# of logs 2011	10	18	12	10	33	36	119
% increase 2010 to 2011	43%	29%	0%	0%	0%	56% !	20%

### *Band Activity*

2011 was the year the high bands returned for everyone and the Northwest Division was no exception. In 2010 the percentages of QSO's on 10M & 15M was 23% with almost all of those being on 15M. In 2011 the 10M & 15M percentage increased to 53% with about one quarter of those being on 10M! This led to a much more enjoyable contest for those with smaller stations and antennas.



### Notable comments from satisfied operators included:

- KL7RA -- Very happy ten meters blew open for us with some nice rates.
- W7VO -- This was my first effort as a SOSB (15), and it was a blast. All hail the power of the sunspot!
- W7BU -- Even the high bands are starting to cooperate and 15 has shown itself to me in ways I've never seen.
- K7ABV -- Nice opening to JA on 10 meters...what a nice surprise...15 good to Eu both days.
- K7BG -- Did a single band 10 meter effort thinking I would get some time during the day to do other things, but the band was too intriguing to leave the shack.
- K7EG -- 15 & 10 SMOKING Sunday. The good old days are back sporadically.
- K7RF -- Decided to give 10 meters a solo band try and conditions certainly contributed to an enjoyable event. Never heard anything from EU, but at 2200z Saturday a very nice run to Asia was a kick.
- K7RL -- Saturday did produce nice JA runs on 10m, and G, F, and EA runs on 15m. That alone was worth hanging in there.
- K7ZS -- Welcome Cycle 24 (hope it lasts a while!) Haven't put 91 contacts in a 10m log box for a while!
- NE7D -- Fun to find stations to work on 10M -- even some that could hear me!
- NK7U -- 14 JA QSO's on 10M including a tantalizing 10 minute mini run on Saturday afternoon.
- W7QN -- Mobile whip antennas. Glad to see 10 meters appearing again.
- W7ZB -- It was so good to hear DX on 10
- WL7BDO -- Nice to get some 10 Meter with short openings each day.
- WO7V -- Great openings on 10 meters
- K2PO -- Seems like our long wait for Cycle 24 is over. At one point Sunday afternoon, my N1MM 15m bandmap included audible stations from Oceania, Asia, Europe, Africa, North America and South America. Whew!

### Scoring

With this increase in High Band activity did the scores in the Northwest Division respond? You bet they did. First let's look at the Division high scores in the more popular categories from those stations in the lower 48 and comparing the increase to the top W/VE score:

	Northwest Division 2010 Top Score	Northwest Division 2011 Top Score	% increase 2010 to 2011	W/VE Top Score Increase 2010 to 2011
<b>Single Op High Power</b>	899,388 (N7TT)	1,132,462 (K7RL)	26%	-5%
<b>Single Op Low</b>	123,900 (KE7NO)	634,368 (N7ZG)	412%	55%

Power				
Single Op Assisted	551,736 (KG7H)	914,904 (N7TT)	66%	22%
Multi-Single	2,236,761 (NK7U)	2,878,722 (NK7U)	29%	29%
Multi-Two	2,179,377 (K7ZSD)	1,754,964 (W7IV)	-20%	21%

In every category but M/2 the Northwest Division increased their top score by more than the score increase by the top W/VE station. It seems like we were able to take advantage of the better propagation more than others!

The results from Alaska are harder to figure out as there are fewer scores to compare year over year and there were notable category changes by the operators. One score that we can compare is AL9A who operated Single Op Assisted both years and saw his score drop 21% from 2010 to 2011. However, in 2011 he had trouble with high winds keeping his crank up tower retracted and that will certainly impact a score.

Another look at the data show that we had 28 stations who operated the contest in the same category in 2010 and 2011. They averaged a 65% increase in score year over year with 9 stations more than doubling their score in 2011 over 2010. That's a great showing!

### *Multioperator Results*

Multi-operator is never a large category in the Northwest. Though we certainly have the space out in this neck of the woods to put up big stations it is often hard to assemble enough operators to pull off a well staffed operation. This year reported participation was down quite a bit from last year with stalwart K7ZSD off the air and KL7RA, though on the air, did not report a score. NK7U turned in a strong score, powering to a new W7 MS record and finishing 6th W/VE and high M/S score west of the Mississippi. The old W7 MS record was the second oldest ARRL SSB record, dating back to K7SP's operation in 1981! They also had the only two reported band DXCC's in the region -- recording 105 mults on 20M and 107 mults on 15M.

Call	Score	QSOs	Mults	Category	Section	Notes
NK7U	2,878,722	2,404	402	MS - HP	OR	6th Place W/VE!
W7IV	1,754,964	1,694	348	M2	WWA	
WX7P	354,036	653	181	MS - HP	EWA	48% increase over 2010
KL7AIR	246,330	812	102	MS - HP	AK	33% increase over 2010
KK7PR	124,320	375	112	MS - HP	OR	

### *Single-Operator, High Power Results*

Even with the nice score turned in by K7RL we still placed out of the W/VE top 10. Mitch's score was also well below W7EJ's W7 record of 3.2M in 2002 which shows that although conditions are improving, we still have a ways to go. More fun ahead!

Call	Score	QSOs	Mults	Category	Section	Notes
K7RL	1,132,461	1363	279	SOHP	WWA	26% better than N7TT's top SOHP score in 2010.
W7IJ	654,240	945	232	SOHP	WWA	
KØIP	311,436	495	211	SOHP	ID	
K7EDX	263,835	534	165	SOHP	WWA	
K7ZS	226,350	505	150	SOHP	OR	450% increase over 2010

### *Single-Operator, Low Power Results*

Single-Op Low Power is the Division's most popular category with 42 total entries. KE7NO who had the top score last year managed to match last year's score but got passed up by several hard charging stations. N7ZG topped out the Division's SO-LP standings this year with a big win. Guy's new station is coming together and starting to turn in results. His score is a similar % of K7RI's all time W7 SOLP record as K7RL's was for SOHP.

Call	Score	QSOs	Mults	Category	Section	Notes
N7ZG	634,368	899	236	SOLP	WWA	412% better than KE7NO's top SOLP score in 2010.
W7TSQ	174,936	399	148	SOLP	WWA	
KL7AC	145,782	536	91	SOLP	KL7	
KE7NO	120,951	270	151	SOLP	MT	
N7VJ	81,180	221	123	SOLP	ID	113% increase over 2010

### *Single-Operator, QRP Results*

We had a couple of QRP entries this year vs. none last year. K6UFO operating as NN7SS took Division honors with a pretty respectable score -- he placed 8th W/VE! Well done. Good to have the Division show up in the Top 10 box.

Call	Score	QSOs	Mults	Category	Section	Notes
NN7SS (K6UFO, op)	109,890	332	111	SOQRP	WWA	8th Place W/VE!
N6LB	2,967	43	23	SOQRP	WWA	

### *Single-Operator Assisted Results*

This category has both high and low power versions now for the first time. It is a fairly popular one in the Division with 23 total entries in 2011. N7TT moved from SOHP to SOAHP this year and took top honors in the category. If AL9A had not had high winds forcing him to keep is crank up retracted he would have given N7TT a run for his money. AL9A actually had more QSO's than N7TT but N7TT almost doubled AL9A's mults. W7SO took top honors in the SOALP category with stations close to the coast in OR and WWA holding down the first four spots. Guess it helps to have a good path to JA if you are low power.

Call	Score	QSOs	Mults	Category	Section	Notes
N7TT	914,904	1169	262	SOAHP	WWA	
AL9A	693,720	1650	141	SOAHP	KL7	High wind problems -- 21% drop from 2010
KI7M	570,897	840	229	SOAHP	OR	
W6AEA	246,915	470	177	SOAHP	EWA	
K7EG	210,144	404	174	SOAHP	WWA	
W7SO	161,163	384	141	SOALP	OR	
K2PO	109,440	291	128	SOALP	OR	
WL7E/W7	60,822	190	109	SOALP	WWA	
KE7LOQ	16,296	97	56	SOALP	WWA	
KW7N	8,295	82	35	SOALP	EWA	

### *Single Operator, Single Band Results*

These categories always attract a number of operators. Either they have a favorite band, they have limited operating time or they only have antennas for a band or two in the air. For the first time in many years SOSB10 was a reasonable entry and K7BG made a great showing and placed 10th W/VE. SOSB15 was popular with 8 total entries in the Division. W7VO took top honors and came pretty close to DXCC. It should not be long before a SOSB15 gets to that 100 Mult mark. WA7AR operated SOSB20 again, increased his score by 6% over 2010 and placed 6th W/VE. Well done from the west coast in a tough category. We didn't have anyone report a score for SOSB40 or SOSB160. KL7OU stuck it out on 80M though and took home Division honors.

Call	Score	QSOs	Mults	Category	Section	Notes
K7BG	35,568	229	52	SOSB10	MT	10th Place W/VE!
K7RF	25,878	230	38	SOSB10	OR	
W7VO	116,406	454	87	SOSB15	OR	
K7ABV	66,825	277	81	SOSB15	MT	
WA7AR	109,470	413	89	SOSB20	OR	6th Place W/VE!, 7% score increase over 2010
WL7UQ	24,960	210	40	SOSB20	KL7	
KL7OU	2,160	60	12	SOSB80	KL7	

### *Looking ahead*

Northwest Division participation and scores were well up in 2011 over 2010. We placed four scores in the W/VE Top 10. We had one all time W7 record set in 2011 as well. Propagation is continuing to improve and we know from scores during past sunspot peaks that things are going to be getting better for a couple of years to come. DXCC on 10, 15, and 20 will be in reach for a single weekend. In the single op categories we have seen scores 2-3 times what we had in 2011. So, let's plan on getting out next year, recruit some more ops to contesting, and make a good showing.

---

### **Pacific Division – by Mark Schreiber, K6OWL**

Despite the promise of improved propagation, there were 16% fewer entries from the Pacific Division this year: 96 compared to 116 participants last year. Nevertheless, this still represents a healthy increase over the 84 entries in 2009 and the 66 log submissions in 2008. Assuming some correlation between expected propagation and Pacific Division participation, the west coast testers appeared to be taking a wait and see attitude on the conditions this year after having been faked out in 2010 by the extraordinarily promising conditions a few weeks



earlier in the CW weekend of last year's contest.

Alan AD6E, one of the operators at the W6WB multi-op, gave a detailed report on this year's propagation in the Division. According to Alan, it was really nice to see 10 and especially 15 meters back alive again during the contest weekend. He had been hoping for nice openings to EU and wasn't disappointed. Among the high bands, Alan found that 15 was better than 20 in almost all respects. EU openings were strong to all of western EU and extended to the Mediterranean and northern Africa areas. However, he found that eastern EU was effectively blocked by an auroral zone. He reported that 15 meters was so solid with signals all day that it was difficult to find a run frequency.

Alan's observations were confirmed by Anna KE1BYL, the winner in the single-operator assisted high power category. Anna found 20 meters a bit disappointing, but described 15 meters as a "goldmine." On 15 meters alone, she logged 96 countries.

Alan observed further that 10 meters was open early with spectacular "searchlight propagation" where all signals were S0 except for F and G stations that were peaking at S9+ on a skew path of 90 degrees. By 10 am local time, 10 meters was dense with signals from 28300 to 28450 and above. Direct EU openings on 10 meters were there eventually, but not super strong; again, it was western EU mostly. Alan found 10 meters quite open to Asia in the afternoon, but was disappointed by the lack of stations (and multipliers) to work. Anna didn't count out 10 meters either but couldn't get through to EU as well as other stations in the division. Bob K6XX remarked that he was able to work all continents on 10 meters, something he hadn't been able to do in the past few ARRL DX contests.

More than half of this year's Pacific Division entries identified themselves as members of the Northern California Contest Club (the "NCCC"). The Club's on-going outreach, recruiting, and training efforts help get and keep testers on the air. On a combined basis, NCCC members scored almost 47.5 million points, down ten percent from last year, but enough to put the NCCC in fourth place nationwide in the unlimited category, one notch up from last year. In the medium club category, the Mother Lode DX/Contest Club tallied 13.3 million points to place twelfth in its class.

### *The Winners*

Tim NU6S (operating at WC6H in the San Joaquin Valley Section) took top honors in the Pacific Division single-operator high power category, despite facing a two-hour power outage during the contest. This was Tim's first effort in a SSB DX contest since the new 40 meter band plan went into effect. He also placed second in the West Coast Region.

Alan K7ACZ of the Nevada Section returned to the winner's circle in the single-op low power category. He had won in this category in 2007 and has placed in the top five consistently over the intervening years. His score also received third place honors for the West Coast Region.

John K6MI from San Joaquin Valley won the QRP crown this year. John has won in this

category before but with far fewer contacts. This year, his log reflected 115 QSOs. His score was the third highest in the West Coast Region.

The single-operator-assisted high power category was won by Anna KE1BYL from Santa Clara Valley, whose effort also earned her fourth place in the West Coast Region. She reported that the log for the weekend represented her personal record for QSOs (1077) in any contest. This was a huge step up for her from last year when Anna submitted only a few contacts as a 10 meter single band entrant.

The single-operator assisted low power category was won by Walt W6SA of Nevada. His efforts placed fourth in the West Coast Region. According to QRZ.com, Walt relies on an R7 vertical for 40-10 meters and a long wire at 17 feet for the low bands.

The operators at W6WB won the multi-two category from the East Bay Section. They also placed first in the West Coast Region and fifth nationwide in this category. W6WB was the call sign of Clayton “Bud” Bane who was a well known contestator and friend of many in the San Francisco Bay Area amateur radio community. The Wireless Contesters Club puts Bud’s call sign on the air from time-to-time to celebrate his memory. Six well known hams (JK3GAD, G0CKV, OH1VR, AD6E, KX7M, and W6NV) operated the station in this year’s contest. Denny KX7M reported that “10m was a greatly improved, but the money band was 15m. Disappointing 20m conditions, but we made it up with increased JA numbers on all bands.”

W6LH (operated by Dan W7DR and Bob K6XV) was the Pacific Division's only multi-single entry from the Sacramento Valley Section. They operated high-power and placed second in the West Coast Region.

For the first time in many years, there were entries in each single band category (except 160 meters). The following participants led their categories: Charles W6DPD (ten meters) from San Joaquin Valley, Dean N6BV (fifteen meters) from the East Bay Section (also first place in the West Coast Region and eighth place nationwide), Ira K2RD (twenty meters) in Santa Clara Valley (also fifth place nationwide and second place in the West Coast Region), Richard W6RKC (forty meters) from Sacramento Valley (also fourth place in the West Coast Region, and Tom WA6WPG (eighty meters) from the San Joaquin Valley Section (also first place for the West Coast Region).

### *Nationwide and Regional Box Scores*

On the nationwide level, three Pacific Division entries made the Top Ten in various categories. In the West Coast Region, seventeen entries placed among the top five in their categories, more than twice the number than were represented in last year’s West Coast Region results.

No Pacific Division multi- or single-operator all-band contestant broke into the Top Ten nationwide. Among single band entries, N6BV placed eighth nationwide and first in the West Coast Region on 15 meters. K2RD placed fifth nationwide and second in the West Coast Region on 20 meters. K6HNZ placed tenth nationwide and fourth in the West Coast Region on 20

meters.

Additional entries from our Division among the top five entries in their categories in the West Coast Region were K6NA (first in SOHP), K6XX (fourth in SOHP), K7ACZ (third in SOLP), AA6K (fifth in SOLP), K6MI (third in SOQRP), KJ6AGX (fifth in SOQRP), KE1YBL (fourth in SOHP-Assisted), W6SA (fourth in SOLP-Assisted), W6RKC (fourth in SO-40 meters), WA6WPG and N1WC (first and second in SO-80 meters), W6LH (second in multi-single high power), and W6WB and W7RN (first and fourth place in multi-two).

### *Single Operator High Power*

As noted at the start of this report, Tim NU6S (operating at WC6H in the San Joaquin Valley Section) took top honors in the Pacific Division with 1,885,290 points (1,985 Qs and 319 multipliers). Bob K6XX, reporting from the Santa Clara Valley Section, came in second with 1,728 Qs, 300 multipliers, and a score of 1,548,000 points. Dick K6LRN, from the Sacramento Valley Section, finished third in the category (339 Qs, 148 multipliers, 150,072 points). K9JDV (117,900), K7XC (102,816), K6UUW (89,100), K6YK (77,250), WU6W (50,085), W0HJW (45,756), and N6AJR (27,885) rounded out the Pacific Division's Top Ten list in the SOABHP category.

### *Single Operator Low Power*

Alan K7ACZ from the Nevada Section won the low power competition in the Pacific Division with a score of 263,886 (429 Qs and 206 multipliers). Last year's winner in this category, Shirl AA6K from the San Joaquin Valley Section improved on his score to take second place with 438 Qs, 168 multipliers, and a score of 217,728. The third place winner in this category was John N7UR, from the Nevada Section, who submitted a log with a score of 85,344 (255 Qs, and 112 multipliers). The remainder of the Top Ten of the SOABLP class consisted of K7XE (56,826), K6EGF (50,160), KE6SHL (48,015), K6GHA (47,124), K7DNH (38,025), KE6WC (30,753), and K3FIV (28,542).

### *Single Operator QRP*

Two operators in the Pacific Division submitted QRP entries this year. John K6MI from San Joaquin Valley completed 115 contacts with 49 multipliers for a winning score of 16,611. John KJ6AGX from Santa Clara Valley reported 5 contacts, 5 multipliers, and a score of 75.

### *Single Operator Single Band*

Seventeen single band entries were submitted from the Pacific Division. Three of these entries appeared in the nationwide Top Ten boxes this year, one more than last year.

On ten meters, Charles W6DPD (9,240 points, 111 Qs and 28 multipliers.) of the San Joaquin Valley Section and Anton N6DXX (2,214 points, 42 Qs and 18 multipliers.) from Sacramento Valley entered single band entries.

On fifteen meters, there were nine entries. Dean N6BV, operating from the East Bay, completed 1,067 Qs with 103 multipliers for a top score of 327,849. This was also good for a first place finish in the West Coast Region and eighth place nationwide. Ed K6HP reported a score of 116,367 (492 Qs and 79 multipliers) to finish second. Third place went to Tom WV6E from the East Bay with 395 Qs, 85 multipliers, and 98,430 points. Rounding out the fifteen meter single band entries were KO6LU (13,452), AE6YB (11,904), W7XZ (10,185), WA6ADP (9,486), N2NS (8,526), and W6ITN (operated by N6WR with 1,710 points).

There were two entries on twenty meters this year, both placing in the Top Ten nationwide and top five in the region. Ira K2RD of Santa Clara Valley took first place in this category with a score of 119,301 (441 Qs and 91 multipliers). Ira's score placed fifth nationwide and second in the West Coast Region. The winner of this category in the two prior years, Ken K6HNZ, also of the Santa Clara Valley Section, reported 369 Qs, 80 multipliers, and a score of 86,400. Ken's score placed tenth nationwide and fourth in the West Coast Region.

We had two forty meter single band entries this year. Richard W6RKC completed 52 contacts from Sacramento Valley with 27 multipliers for a score of 4,131. This score was good for fourth place in the West Coast Region. Jerry KG6PCA submitted a lot showing one contact for a score of three points.

Our two eighty meter single band entries placed first and second in both the West Coast Region and Pacific Division. Tom WA6WPG led with a score of 6,771 (61 Qs and 37 multipliers) followed by Wendell N1WC with a score of 4,410 (49 Qs and 30 multipliers).

There were no single band entries this year for 160 meters.

### *Single Operator Assisted High Power*

Anna KE1YBL from Santa Clara Valley (803,451 points, 1,077 Qs, and 251 multipliers) led this category with a score almost 25% higher than last year's winner in the combined packet category. This entry was also good for fourth place in the West Coast Region. Norm N6JV, from the Sacramento Valley Section, took second place (649,380 points, 795 Qs and 274 multipliers). Dave KA6BIM, from San Joaquin Valley (580,608, 773 Qs, and 256 multipliers) placed third. W6OAT (317,688), K6TA (266,568), K6RIM (244,209) K7LV (188,856), K6ST (181,278), N6DQ (165,240), and K6III (135,255) rounded out the Top Ten among the Pacific Division high power packet users.

### *Single Operator Assisted Low Power*

Walt W6SA from the Nevada Section won the low power packet category with a score of

156,492 (329 Qs and 161 multipliers). Steve K6AAB from the San Joaquin Valley Section took second place with 203 Qs, 118 multipliers, and a score of 71,508. The third place winner in this category was Bill N6BM, from the East Bay Section, who submitted a log with a score of 64,800 (273 Qs, and 80 multipliers). The remainder of the Top Ten of the low power packet class consisted of KC6MMU (35,036), N6ORB (34,680), KE6QR (30,927), W6DTW (24,723), K6LE (10,332), ND6S (7,719) and N6ROB (7,314).

### *Multi-Operator Entries*

The Pacific Division fielded three multi-operator entries this year, half the number of last year. There was no multi-multi entry this year from the Pacific Division.

W6WB from the East Bay Section, which was last year's multi-multi winner, won the multi-two category this year operated by JK3GAD, G0CKV, OH1VR, AD6E, KX7M, and W6NV. They completed 2,926 contacts and recorded 433 multipliers for a score of 3,765,801, which was also good for fifth place nationwide and first place in the West Coast Region.

W7RN (operated by K1VR, K5RC, K7KTI, KF7AMY, and W7NIK) from the Nevada Section took second place in the Pacific Division and fourth place in the West Coast Region with a score of 940,905 (1,023 Qs and 309 multipliers).

W6LH (operated by W7DR and K6XV) from the Sacramento Valley Section mounted the Division's only high power multi-single effort, placing second in the West Coast Region with a score of 1,205,436 (1,256 Qs and 323 multipliers) and falling just short of placing in the Top Ten nationwide.

### *Propagation*

All bands showed improved productivity this year compared to last year. The greatest improvements were seen on 10 meters (3,576 Qs and 1,248 multipliers this year compared with 613 Qs and 230 multipliers last year) and 15 meters (11,348 Qs and 3,010 multipliers this year compared with 7,614 Qs and 2,302 multipliers last year). Twenty meters was far less productive this year (5,647 Qs and 2,105 multipliers) than last year (10,102 Qs and 3,463 multipliers). The results on forty and eighty meters were similar to last year. Forty meters yielded 4,331 contacts and 1,348 multipliers and eighty meters produced 1,027 Qs and 603 multipliers. There was much less activity this year on 160 meters than last year (56 contacts and 54 multipliers this year compared with 160 Qs and 143 multipliers last year).

The improved propagation naturally improved the scores. Overall, the scores submitted, especially by the top scorers, were significantly higher this year compared to last year.

---

## Roanoke Division – by Paul Obert, K8PO

Under Construction

---

## Rocky Mountain Division – by Tom Horton, K5IID

Well it appears that the sunspots are coming back and conditions are finally getting back to where we like them. The Rocky Mountain Division was well represented this year as is normally the case.

The participation from the Division was up considerably this year from 59 entries last year to 76 this year. That is an increase of almost 29%. Good going guys (and gals).

### *Single Operator High Power*

Leading the way in the High Power group was Steve, N2IC, with almost 3.5 million points from his southern New Mexico QTH on the edge of the Gila National Forest and the sixth place spot nationally. George, WØUA, finished up with just over 3 million for second in the Division. The battle over Q's was won by Steve while George won in the multiplier hunt, with 416 to Steve's 400. Both Steve and George took the top two spots in the Midwest Region. Rounding out the top five are Phil, NØKE (after his outstanding QRP score last year), Rob, NCØB (of Sherwood Engineering fame), Noel, WS7X finished at number 5.

N2IC	3,408,000	2850	400
WØUA	3,051,360	2465	416
NØKE	722,190	916	266
NCØB	621,456	857	242
WS7X	514,368	907	162

### *Single Operator Low Power*

Ken, WØETT, from near Denver took tops in the division as SOLP with 203K points. Second place was George, WF4U with a little over 152K in Cache county Utah. The rest of the top five were: Dave, WB6RAB, Charles, N7MZW and Jim KAØZPP from down in New Mexico.

WØETT	203,307	408	169
WF4U	162,640	322	159
WB6RAB	32,376	142	76
N7MZW	31,758	139	79
KAØZPP	20,007	118	57

### *Single Operator QRP*

Wow! Where were the QRP guys this year? Only one entry here and that was Dennis, KKØQ. While being the only entry he certainly made a good showing outscoring the majority of the LP stations. Dennis also claimed third place in the Region.

KKØQ	43,056	164	92
------	--------	-----	----

### *Single Operator Assisted*

The Single Operator Assisted categories had several entries.

### High Power

Among the thirteen entries in the high power group, Mike, WØMU, scored just over 500K points. He claimed the first spot in the division and just missed the top five in the Midwest Region. AD7KG, Jed, came in second with 247K points.

WØMU	513,864	522	312
AD7KG	247,503	395	211
K5VYT	147,312	375	132
KC6R	135,138	448	101
WWØAL	56,133	191	99

### Low Power

A couple of stations outpaced the five souls that ventured into the LP Assisted fight. Larry, KØRI, got the top spot with around 684K points and Jim, also in Colorado (up where the asparagus grows wild in the ditches) came in with almost 386K. While he was at it Larry walked away with the 9th place overall award.

KØRI	684,294	811	283
AD1C	385,560	542	238
W4ZW	118,428	284	142
WØLSD	24,000	160	50
K7BBR	3,600	52	24

### *Single Bands*

There were only 6 single band entrants from the Rockies this year but several claimed regional recognition. One station even claimed 4th place nationally.



### 10 Meters

There were two 10 meter entries. KD5JAA, Mike, from New Mexico claimed the Regional top honors as well as the Rocky Mountain Division.

KD5JAA	3,456	48	24
K7ULS	702	26	9

### 15 Meters

The two 15 meter entries were John, WA5ZUP, from Farmington, NM (one of my old QTHs) and Jim, K8OZ, from about 180 miles south of John in Albuquerque, NM. John turned in the top 15 meter score for the Division and second in the Midwest Region.

WA5ZUP	122,031	450	91
K8OZ	95,625	381	85

### 20 and 40 Meters

N7IX, Mike, from WY turned in the only 20 meter score while WDØBGZ, Alan entered the 40 meter contest and came away with 4th place nationally and 1st place in the Region.

20 Meters	N7IX	23,400	124	65
40 Meters	WDØBGZ	67,977	278	83

### *Multioperator*

There were 5 Multi-Single entries and the lone MSLP outlasted all the other Multi stations. Bill, KØUK, and his crew, way out in western Colorado took top place for the Division and 2nd in the Region. They also came in 2nd in the nation MSLP. Among the MSHP stations the “wild bunch” from WC7WB came in first in the Division and 5th in the Region. Everyone’s friend Alan, KO7X and his troops came in second for the division. The only MM station was KRØVER.

### MSLP

KØUK	633,327	783	271
------	---------	-----	-----

### MSHP

WC7WB	329,157	519	219
KO7X	131,418	297	149
NIØO	115,920	284	138
W7DXX	37,944	136	93

MM

KRØVER            7,128   55   44

### *Affiliated Club Competition*

Some of the contest entrants also submitted their score to be applied to their club score. There were four clubs that have scores listed in the club competition. The big winner in the Medium Category here was the Grand Mesa Contesters of Colorado. The Utah DX Association was next in line for the Division. In the local club category the Albuquerque DX Assn. beat out the Utah Contest Club.

### Medium Category

GMC                10,103,217   30 entries

Utah DX Assn.    4,646,368   22 entries

### Local Category

Albuquerque DX Assn.   408,231   4 entries

Utah Contest Club        115,713   3 entries

Well, that's about it for this year. Maybe it would be a good time to go over the results and start planning for what you might want to do in 2012. There seem to be a lot of empty places for some big scores.

73, good DX and may the sunspots be with you, Tom K5IID

---

## **Southeastern Division – by Jeff Clarke, KU8E**



20 and 15 meter stacks at K1TO (Photo by K1TO)

### *Excellent High Band Conditions*

The 2011 running of the **ARRL DX SSB Contest** provided us all a preview of the conditions that we might see in the near future of the current solar cycle. This year I had a chance to operate at a “real” station joining the **WW4LL** multi-single operation. We enjoyed good conditions on all the bands. The highlights of the contest weekend were the excellent openings worldwide on 15 meters, but the kicker was the Sunday opening to Europe on 10 meters that took us back to what we experienced during the last sunspot maximum. See the comments from the 3830 reflector at the end of the write up which echo this sentiment.

### *Southeastern Division Highlights*

In the **SOHP** category there was a close battle between Larry, **K4AB** and Dan **K1TO**. When it was over Larry edged out Dan by a scant 28K points to claim the top score in the division. Another excellent effort was turned in by Jere, **KT4ZB**, in the **SOALP** category. He doubled his score from last year and was rewarded with a #3 finish in the USA. Norm, **W4QN**, had the high **SOAHP** score in the division with 1.6 M points. Laing, **NT4TS**, had the top **SOQRP** score, which was also the 5<sup>th</sup> best score in this category in the USA. Curt, **WB4JFS**, had the top **SOLP** in the division with 298K points.

The good high band conditions contributed to the rise in activity on 10 meters that hasn't been there the past few years. Mark, **W4SVO**, move up a band (after winning 15 meters single band last year) to claim the high **SOSB10** score in the division and #3 in the USA. Paul, **N4PN**, is a perennial top finisher in the single band categories. He moved up a band from 20 meters last year to take the top spot in **SOSB15**. His score was also good for #2 in the USA. On **20 meters** Frank, **WB2TFM** had the top **SOSB20** division score with almost 49K points.

With the higher bands so hot, the activity on the lower bands suffered somewhat. Despite this there were many good scores turned in. On **SOSB40** Dick, **K9OM**, turned in the top score with 40.7 K points. This was also good for #6 in the USA. On **SOSB80**, Dwight, **WA4TII** had the top score with 18.8 K (#5 in USA) and on **SOSB160**

Stephen, **AG4W** had the top division score with 3.7 K points. (#6 in USA)

In the **Multi-Single** class **K4BAI**, **N4LR** and **KU8E** joined up with **WW4LL** to have the top **MSHP** score in the division and #3 overall in the USA. In the **M2X** class **KY5R** had the top score and #9 in the USA. The low power multi /single operator class was added for the contest in 2011. **W4AAZ** claimed the top **MSLP** score with 4.7 K points.

The improved conditions increased club activity within the division. The **Florida Contest Group** had 109 entries and a score of 39.5 million points to place #8 in the **Unlimited** category. The **Southeast Contest Club's** 36 entries and 41 million points was the #2 club score in the **Medium Club** category. The up and coming **Alabama Contest Group** was at #8 with 40 entries and 21 million points.

### *Top Scores by Category*

**Table 1 – Southeastern Division - Top Scores by Category**

Single-Op – High Power	<b>K4AB</b>	2,350,926
Single-Op – Low Power	<b>WB4JFS</b>	298,275
Single-OP - QRP	<b>NT4TS</b>	184,008
160 Single Band	<b>AG4W</b>	3,762
80 Single Band	<b>WA4TII</b>	18,810
40 Single Band	<b>K9OM</b>	40,740
20 Single Band	<b>WB2TFM</b>	48,777
15 Single Band	<b>N4PN</b>	537,855
10 Single Band	<b>W4SVO</b>	117,468
Single Op – Assisted – High Power	<b>W4QN</b>	1,682,496

Single Op – Assisted – Low Power	<b>KT4ZB</b>	1,009,014
Multi-Single	<b>WW4LL</b>	3,638,160
Multi- 2 Transmitter	<b>KY5R</b>	2,532,591

**Table 2 – Southeastern Division Single Operator High Power Top 5 Scores**

<b>K4AB</b>	AL	2,350,926
<b>K1TO</b>	WCF	2,279,070
<b>N4UU</b>	NFL	798,543
<b>N6AR</b>	NFL	671,220
<b>N4NO</b>	AL	622,182

**Table 3 – Southeastern Division Single Operator Low Power Top 5 Scores**

<b>WB4JFS</b>	GA	298,275
<b>KJ4EX</b>	GA	240,669
<b>W4AMS</b>	SFL	219,474
<b>W3WW</b>	SFL	218,829
<b>N9CM</b>	WCF	148,230

**Table 4 – Southeastern Division Single Operator QRP Power Top 5 Scores**

<b>NT4TS</b>	SFL	184,008
<b>K7SZ</b>	GA	13,359

**Table 5 – Southeastern Division Single Operator 160 Meters Top 5 Scores**

<b>AG4W</b>	AL	3,762
-------------	----	-------

**Table 6 – Southeastern Division Single Operator 80 Meters Top 5 Scores**

<b>WA4TII</b>	GA	18,810
<b>K4MTI</b>	NFL	714

**Table 7 – Southeastern Division Single Operator 40 Meters Top 5 Scores**

<b>K9OM</b>	NFL	40,740
<b>WB2REM</b>	SFL	22,848
<b>KD2JA</b>	SFL	22,506
<b>K3TW</b>	NFL	22,134
<b>KG4UVU</b>	GA	11,376

**Table 8 – Southeastern Division Single Operator 20 Meters Top 5 Scores**

<b>WB2TFM</b>	NFL	48,777
<b>K4DES</b>	WCF	13,818



WB2TFM Antennas (Photo by WB2TFM)

**Table 9 – Southeastern Division Single Operator 15 Meters Top 5 Scores**

<b>N4PN</b>	GA	537,855
<b>K5RQ</b>	WCF	287,585
<b>N4BP (GW4JUN)</b>	SFL	141,141
<b>N4IG</b>	WCF	97,020
<b>KV1P</b>	NFL	10,998

**Table 10 – Southeastern Division Single Operator 10 Meters Top 5 Scores**

<b>W4SVO</b>	SFL	117,468
<b>K4WI</b>	AL	103,284
<b>N4FCG (N4BP)</b>	SFL	38,312
<b>NTØY</b>	NFL	11,664
<b>KI4LTO</b>	NFL	8,556

**Table 11 – Southeastern Division Single Operator Assisted Top 5 Scores**

<b>W4QN</b>	SFL	1,682,496
<b>KT4Q</b>	NFL	1,567,917
<b>W4PG</b>	WCF	1,265,451
<b>N4KG</b>	AL	1,224,720
<b>NF4A</b>	NFL	1,183,320



W4QN (Photo W4QN)



**Table 12 – Southeastern Division Multi-Single  
Top 5 Scores**

<b>WW4LL</b>	GA	3,638,160
--------------	----	-----------

Tower at WW4LL with a stack of Optibeam antennas (Photo WW4LL)

**Table 13 – Southeastern Division Multi-Two  
Top 5 Scores**

<b>KY5R</b>	AL	2,532,591
-------------	----	-----------

### *Southeastern Division 3830 Comments*

Call: **AG4W**      Class: SOSB/160 HP      Total Score = 4,059

I ran 160M only to try and pick up some new band countries. Got 2 new ones. I had family obligations that kept me from an all out effort. 160M was very noisy due to the bad weather we received both nights. I did work some new ones outside the contest which took some of the pain away from not going all out in the contest. SV2ASP/A on 12M RTTY, A65BD on 12M CW and AH0J on 80M CW.

=====

Call: **K1TO**      Class: SOAB HP      Total Score = 2,269,014

- Just one radio (and one operator - hi)

- Both Plan A and Plan B for having voice messages fell thru, so "sent by mouth"

Highlights:

- + Used N1MM software for the first time here at home, after 21+ yrs with CT (tnx K1EA) Kept hitting F11 to wipe the QSO line - oh well, I'll relearn...
- + The seemingly endless supply of Western EU newer licenses (PD, DD, M3, F1, IW\*, etc.)
- + 08Z hour each morning on 20M to southwestern EU -- mostly Is.
- + Over-the-pole opening on 20M the 2nd evening
- + 15M the 2nd morning - I think there's a 200 hour in there
- + Several YBs and DUs on 15
- + 10M QSOs with: 5B4, 5N, FR, KH2
- + Surviving on an SSTV freq of 14231 for quite a while
- + Zero intentional QRM
- + Finding that the 2L 80M inverted vee works OK up on SSB as is
- + The predicted line of thunderstorms that didn't materialize Sunday afternoon
- + Saying hello to so many friends around the globe!

Thanks to everyone who made the effort to turn on the radio and work some of us Americans & Canadians this weekend!

73, Dan

=====

Call: **K4AB**      Class: SOAB HP      Total Score = 2,323,161

10 ROARS BACK!

It may not have been the best 10 meter opening, but it certainly was the most welcome! The low bands had a lot to be desired. Way too much QRN from the storm front, the first night. I hoped the noise level would be reduced Saturday, but initially it was worse. When the front passed, the QRN was in front of the Beverages, as opposed to the rear. It finally got a bit better as the evening wore on, but the damage was done.

But, when the history of this contest is written it will be about 10 meters. The Europeans were loud and plentiful, and the long path Sunday morning sure woke me up!

73, Larry K4AB

=====

Call: **K4TD**      Class: SOAB(A) HP      Total Score = 556,974



First, thanks for the QSO's! Just a part-time effort to hand out a few Q's and gather some new countries on SSB on the high bands. High point was the 10M LP QSO with BV1EK on Sunday morning. Low point(s) were getting beat out in several pileups by WW4LL and KY5R. Congrats on your station improvements, guys! The results showed this weekend.

I finally got curious about what KY5R and KC4HW were up to after they beat me out several times in pileups. I told them that I was going to drop by for an eyeball QSO. It took me about 45 minutes to an hour to get over there. When I walked into the KY5R superstation shack, it was pretty warm, and they were sitting in Bermuda shorts perspiring and sipping tropical refreshments. I have to figure they spent my travel time hauling the 3-hole Alpha 77SX out to the garage (Tim must have bought one of N4KG's surplus amps) and rolling up the 3" hard line... Quite an impressive feat for a couple of OF's like them... :-)

73, Rick K4TD

=====  
Call: **K4WI**            Class: SOSB/10 LP            Total Score = 104,880

Wow, what a week end! Friday night nothing heard; Saturday was pretty well a bust with some S+P between rain static all day long... only the strongest S. American's made it thru the static. But Sunday was different.... opened early and had a nice short long path opening to BY,BV,VR2 and JA ; then Europe opened up. I couldn't hold a run frequency for very long so moved up high in the band and sat and ran Euro's for a while... I had forgot what fun that is... had ZB2, HZ, SV and several other goodies call in. Not much from Scandinavia only one LA... no USSR; mostly Western Europe. Anyway... a blast for sure! Thanks  
for the q's 73's Cort K4WI

=====  
Call: **K7ZS**            Class: SOAB HP            Total Score = 228,150

A part time effort, thanks for all the Q's, I am sure well see some incredible scores! Welcome Cycle 24 (hope it lasts a while!) Haven't put 91 contacts in a 10m log box for a while!

73 Kevin K7ZS

=====  
Call: **KB4KBS**            Class: SOAB(A) LP            Total Score = 33,108

I didn't have a lot of time to omit to this contest - this was tax preparation preparation weekend and I had to attend a memorial service for the brother of a close friend. My MO was to just cherry pick mult that I could hear well and work them, with the end game being to edge closer to a DXCC status. I haven't done the analysis yet, but it appears that between the 89 bad countries, I should have at least two dozen new ones for the counter to tabulate - if they will LoTW. I tried my hand at using the DVR function of N1MM, I think it did OK, I'd appreciate signal reports from anyone that hear me and could tell I was using a canned message - especially if the report is that the audio fidelity was horrible.

10M was a blast - I only had 2.5 hours Sunday afternoon to play due to church and the memorial service, so I spent it all on that band. worked several EU's and lots of SA, 80% were mults, but I left just as may as I worked on the board. I definitely will need to increase my RAM before the next contest - the spots were so numerous that I kept getting buffer overflows. Great problem to have!

=====

Call: **KR4F**            Class: SOAB(A) HP            Total Score = 857,208

This mult hunt was a mixed experience. The Titan amp is still down for repairs, so I was using my old low-voltage SB-220 (low output and no 160m). There was heavy QRN and absorption on the low bands. The damp weather did not mitigate the local power line noise as hoped. But, 15m and 10m were incredibly wonderful! Surely next year will be even better!

73 Johnny, KR4F

=====

Call: **KT4Q**            Class: SOAB(A) HP            Total Score = 1,581,606

I think I am ready for bed. Best effort yet for KT4Q.

Rig: Yaesu FT1000MP MV

Ant: Cushcraft X7 @ 65 ft

Carolina Windom/Beam @ 35

Carolina Windom 160 @ 35

Amp: Ameritron AL-572 running 1100w

S/W: Writelog 10.57E

=====

Call: **KT4ZB**      Class: SOAB(A) LP      Total Score = 1,036,224

The expectation level for this year's contest was higher than last as the solar flux was nudging 120 on Friday. And boy, how the sun did deliver. HF conditions were good on Saturday; the only down side was 10 meters failed to open to EU. The other bands were all good for us low power search and pouncers, plenty of stations to chase. Sunday was really good, particularly when the flux jumped to 143 in the afternoon. Then 10 meters took off with a solid opening into Western Europe. I worked 44 more countries on 10 than last year and 20 more on 15, ending up with 91 on 15m for my high band. Too many fun things in this one to list, but, breaking the big pile to HS in two tries made my day. Expect to see some relay big scores this year as mine jumped about 70 percent.

Thanks to everyone for the Q's and cu in WPX.

Best ♦ " Jere

=====  
Call: **KY5R**      Class: M/2 HP      Total Score = 2,653,839

Great to see high band propagation on the rise. 10 and 15 mtrs was a blast. Mother nature had us in her grasp Fri night and all day Saturday with ultra high QRN and rain static from a storm that dumped a lot of rain on our QTH. Beverages did a fair job on 80/160 mtrs both nights thank goodness however the low bands weren't as much fun as the CW weekend on low bands which had fair WX cndxs. However that is what you have to deal with and the op's forged ahead. The antennas on the high bands performed well. The fairly new(summer of 2010) 10/15/20mtr stacks of old Hygain Long Johns did there best.

This was a casual effort with plenty of off time for food, drink and sleep ( multi 2 lite = 4 ops). Had the 1st equipment failure in a while as a TT Orion xcvr and Alpha 374A amp decided not to play with the boys during the course of the event. Other than that there were some great runs and tons of mult hunting which will make some great conversation in the future. Still sorting out the station configuration however. TNX to all the DX for being on the bands and see you next year. Gud luck in the future

73 Tim ,KY5R and crew.

=====  
Call: **N4DXI**      Class: SOAB(A) HP      Total Score = 89,625

Notice anything different in my scores? Look at 10 meters. Usually zero or at least well below 20 meters. DX signals on 10 meters were strong, in the clear and plentiful! Finally!! I thought 10 meters was never going to come

2011 ARRL DX Phone Results      Extended Version 1.2      Page 64 of 105

back to being useful! And the DX! Worked: Sudan, French Guiana, French Polynesia, Isle of Man, Iceland, Namibia, Auckland and Campbell Is, S Cook Is!!! Wow! Great conditions, especially on 10 meters! Hurray!!!  
73....John Bescher, N4DXI

=====  
Call: **N4KG**            Class: SOAB(A) HP            Total Score = 1,243,578

Conditions were very different (and challenging) from the CW weekend.

The Low Bands were quite Noisy but Signal Absorption to Europe was a greater challenge to overcome on 160 and 80 meters. I missed several easy multipliers on 40M due to spending too much time on lower bands.

On the High Bands, 20 and 15 were quite good Saturday but few new stations appeared Sunday morning. Only CT and CU were worked on 10M from Europe on Saturday. The 10M opening on Sunday 'saved the contest' with lots of interesting multipliers from Europe. I thought my 61 countries on 10 was a good showing but obviously others found WAY more. Maybe I should have tried CQing to 'draw in' more mults! ALL QSO's were S&P or from Packet Spots.

I found myself with just under 1000 Q's and 400 mults with 2 hours left in the contest so I jumped from 10 to 15 to 20 to 40 in the 2200 hour, picking up any fresh meat' (mostly JA's on 15 - they were weak on 20) I could find and filling in some multiplier blanks. During the 2300 hour, I managed to work YB8EL (he was weak but readable) on 15 after all the West Coasters had him logged, then hopped to 20, 40, and even 80 meters at the end.

Phone Contests really wear me out. I expect narrower filters would help some.

Icom 746 with cascaded 2.4 kHz filters (and Low Output on Low bands...)

B&W PT-2500 at 600-900 Watts output (depending on drive)

160M Inverted L to East, Elevated GP to West

80M Elevated GP

40M Two Half Waves in Phase (80M dipole/ladderline) NE/SW at 120 ft

.....Inverted Vee SE/NW at 60 ft

20/15/10 TH7 at 40 ft.

Tom N4KG in North Alabama

=====

Call: **N4LZ**      Class: SOAB HP      Total Score = 103,833

FUN, FUN

=====

Call: **N4PN**      Class: SOSB/15 HP      Total Score = 547,056

MAN!! A few good numbers and the world comes back to life. Been a long time since 15 and 10 was like this weekend..Both days were great and hard to leave the chair. Lots of surprises....being called by 5X1NH, TJ3AY, ST2AR, YB8EL,7Z1SJ, HZ1PS, N1SNB/CY0, V5/DJ4SO, SV5DKL, SV9COL, 5N7M,7X5AV, ZA1E, TA2/DL7BC & YB8EL....will keep BIC... Last two contest have worked more KL7's than KH6's....Lots of Alaskan stations in this one....

Missed BX5AA and others...on Saturday night...caught up with 9M6/VO1AU and BD4QH on Sunday evening....

Thanks to all....we missed a few we just could not get their call.

73, Paul, N4PN

=====

Call: **W4AX**      Class: SOAB(A) HP      Total Score = 193,347

Thank you for all the QSO's. This was a lot of fun, especially on 10M which was the best I've seen in 5 years.

73, Mack de W4AX

ex. WB4MAK

=====

Call: **W4LT**      Class: SOAB(A) HP      Total Score = 442,860

Rig : Elecraft K3/100/KRX3 - Ameritron ALS600 @ 500w Max

Antennas : Cushcraft A3S at 40ft, Carolina Windom 80LP at 38ft

Soapbox :

Returned from Pittsburgh late Thursday after being away a week for a family funeral. Lots of stuff to do, pool needs work after being on its own for a week, with the oak trees feeding the algae with their pollen. My that algae is

hungry :) Several activities like Moving my daughter to her new apartment, washing clothes/dishes and rebuilding a computer for the local repeater group during this contest. So most definitely part time... Got somewhere around 11 hours in, not even in prime time for my antenna complement, but any air time is good air time.

Terrific conditions! Wonderful 10 15 and 20 meter conditions which plays to my station's strengths. Sunday, 80 and 40 got noisy with QRN. Mostly search and pounce as I rarely had a chunk of time to sit and establish a run.

Split is Fun! Very enjoyable dual receive run session on 40m listening on my frequency and in the EU phone band which garnered several QSO's. Also a funny experience when a stateside op who probably clicked on a spot from a EU station and called me on 7093, not knowing his rig automatically set up to split, to tell me "isn't this part of the CW Band?" I reminded him that I was \*LISTENING\* there for EU phone, which is legal outside of our region, but was \*TRANSMITTING\* in our Phone band. Then I reminded him that he was transmitting out of band.

He then realized where he was transmitting and thanked me for the "education".

Usual SSB QRM mess on the bands. CW is so much easier on the ears. Looking forward to WPX where I can work stateside too... Lots of stateside callers who evidently don't read the rules or just don't care... but my antennas are more optimum for stateside, so it's my fault too :)

Interesting to hear K3LR calling in \*SPANISH\* on 10m. PJ7G was LOUD everywhere, worked them on all the bands I had antennas for nice work Marty and crew!

Hoping my score helps the club, but my heart was really not in it this time. Maybe next time I will be more serious.

=====

Call: **W4QN**      Class: SOAB HP      Total Score = 1,754,445

Band conditions were outstanding - best in years. 15m on Saturday was the band, but Sunday I think 10m took the prize. Best experience? - Running Europe on 20m at the extreme high end (14345) and having Charley HS0ZCW call with a great signal (real 57) - Thanks for multiplier Charley. Overall results was my best ever - these new logging programs really help.

Norm W4QN

=====

Call: **W4SVO**      Class: SOSB/10 HP      Total Score = 124,425

Wow! Simply amazing on Sunday. Saturday was just a teaser into Europe, but on Sunday the SFI went to 143/114, best since 2005. And Europe exploded on Sunday. I ran Europe from 1247z to 1847z-6 hours! Only Western Europe though. Did work SV,SV9,OM,YU and northern Europe, LA,SM an OZ. Only Asia was 5B4AIF and one Ja on Sunday, running 50 watts! Worked many Europeans running low power 10,25 and 50 watts! I was told only USA station heard at the beginning on Sunday, by many Europeans! I was told I was one of the loudest stations on the band, WOW! KT-36XA and new AI-82, plus Orion really played well. I am lucky to be so far South, really help me. CU in WPX. FCG will get these points as I am outside of circle for SECC.

Mark W4SVO

=====

Call: **WW4LL**      Class: M/S HP      Total Score = 3,773,721

Band conditions like we've not seen for quite some time. 15 Meters was absolutely awesome and great opening on 10 meters, particularly on Sunday. 10 was like a slot machine with the mults just coming today during the runs. 40 meter numbers were not like they usually are, but Jeff and Gordon did a great job on 40 last night. Of course John knows 15 meters like no one else and had a LARGE time on that band. Many Asian stations worked in the last two hours on 15, including several surprising mults.

Thanks to everyone we worked and those that tried to work us. This was great fun!

73'....Fred WW4LL

---

## **Southwestern Division – by Leigh Jones, KR6X**

Under Construction

---

## **West Gulf Division – by John Geiger, AA5JG**

*What a difference a year can make!*

A lot can happen in one year. Between the 2010 and 2011 ARRL DX contests something major happened-the sunspots returned! Cycle 24 finally started, and it hit contest weekend with a bang. On Sunday of contest weekend the solar flux hit 135 with a smoothed sunspot number of 114, definitely an improvement over 2010. People's operating patters also reflected this-many people commented on how the bread and butter band for this contest was 15 meters, with lots of QSOs being made there, and even European runs on 10 meters. Who could have pictured that a



year ago? For Steve, N5TEY, the big thrill in the contest was working ST2AR on 10 meters. The Sudan is still a good catch on any band. In fact, 15 meters was the most popular single band to use from the West Gulf division.

A year's time can also lead to many other contest related changes. Maybe in the past year a new rig found its way into your shack. The added performance of this rig might have lead to QSOs that would have been impossible in years past. Several new models were introduced in the past year, like the Yaesu FTDX5000, the Ten-Tec Eagle, and the Kenwood TS590. All look like fine contesting radios. I got a different radio from last year also, and this one has a voice keyer. That sure makes operating a SSB contest much easier. However, a recurrent case of the flu greatly limited my operating time.

Other operators added a new antenna or other station accessory in the past year. Dave, N5DO replaced a 3 element SteppIR with a SteppIR DB-18 which gave him 2 elements on 40 meters as well. It must have worked as he put up a fine QRP score. Jim, N1CC added a MFJ 1026 noise reduction system which he said made all the difference in knocking out some local noise he has. He was able to increase his total number of QSOs by 300%. That definitely sounds like a worthwhile investment. Jim, K5LAD replaced his Heil Proset with a pair of Yamaha CM-500 headphones. He said they fit his head better so he could wear them the entire weekend. Larry, K5ZCJ said the biggest change this year was that all of the equipment worked this year. Don't you love weekends like that? On negative change from last year was noted by Milton, AD5XD. His Collins 30L-1 was down, so he had to do low power this year. Running low power also demonstrated some antenna weaknesses he needed to improve. He also thought that the low bands were worse than in the past, as Asia was weaker on 40m in the morning than usual.

Maybe the change was with increased operating space due to a license upgrade, or a new call sign that (hopefully) was easier or quicker under contest conditions. So let's see how everyone did this year, and if the sunspots and better high band conditions really made the weekend worthwhile.

### *Single Operator Unassisted*

In the single operator category, Dave, N5DO was the only one brave enough to try QRP. He did so well at it last year that he decided to give it a try again in 2011. The biggest boost to his score came from the 10 meter opening on Sunday afternoon. He worked some EU stations on 10m that he hasn't heard on that band for some time, and worked 2 or 3 BY stations on 15 which surprised him for QRP. His main strategy for operating QRP is to avoid the big pileups and come back when they have died down. This must have worked, as he finished with 294,000 points, making 494 QSOs with 200 multipliers. That is a fine score for any power level.

Low power is usually the most popular single op category, and this year N5AW ran away from the competition. Marvin made 1200 QSOs and had 353 multipliers for a total score of 1,249,620. He had some nice EU runs on 10 meters and JA runs on 15 and 40 meters. He has just improved his 40 meter antenna so let's see what that does for next year's contest. South

Texas also finished in second and third place with W5FIT scoring 154,488 and WA5IYX scoring 140,160. Pat, WA5IYX is a well known VHF propagation expert, so it isn't surprising that he spent a good deal of time on 10 meters, since that is almost VHF. He feels he spent too much time chasing ST2AR which would have been an all time new country, but how can one resist? New countries don't come around that often for many of us. Pat was excited about working Crete on 15 meters. He avoids 20 meters during big stateside openings since he has a low antenna there, but did work Scotland and the Canary Islands on 75m, which are always nice catches on that band. W1JCW was the North Texas winner with 102,912 points. He likes to run search and pounce and to work the band where the MUF is. He also tends to arise early during contest weekends to try and catch Pacific stations on 40m. 15 meters was also his best band (see a common thread here?) The West Texas winner was AJ5ZX with a score of 95,493. No Oklahoma stations entered this category this year. If you were in OK and ran low power didn't submit a log, you missed out on earning a certificate. It is always important to send in your log, no matter what your score was. You never know what might happen. Unfortunately I didn't follow this advice and forgot to send mine in. Maybe next year.

As is typical in many contests, the single operator high power led to the highest score. George, NR5M broke the 2 million point barrier with 2234 QSOs and 363 multipliers. That led to a total score of 2,414,313. Congratulations, George, that is a fine effort! Tom, WD5K (another big VHF operator as well) finished in second with 899,610, and AD5XD came in third with 469,821. Larry, K5ZCJ was the best in Oklahoma with 201,690 points, and W5RAW made sure that West Texas was represented with a score of 18,711.

### *Single Operator Assisted*

Another big change in the past year involved splitting up the assisted category by power level. This should help level the playing field a bit for those who choose to go assisted, and gave everyone a chance at setting a division record for the new categories. So why do people choose to go assisted? Jeff, K5MV doesn't change his strategy much when going assisted, but will use the cluster to look for stations he hasn't worked. Darin, WG5J likes to combine contesting and DXing and feels that there are many good DX entities on that only appear during contests. The cluster gives him a chance at finding them. Colin, KU5B uses assisted for the same reason, and also was hoping to find some long path openings in the morning to BY and VR. Saturday didn't work out but he found some nice Asian catches on Sunday morning. He also had a nice run of England stations for an hour on 10m Sunday afternoon. Jim, N1CC runs a vertical so he feels that assisted helps him since signals tend to be weaker on a vertical.

Dave, WØVX won the single operator assisted low power category with a fine score of 430,155. That came from 606 QSOs and 237 multipliers. Jim, N1CC finished in second with 282,615. That MFJ 1026 he bought after last year's contest really did pay off. K5BZH finished in third with 29,388 from West Texas. Peter, N5UWY won for Oklahoma and N5KAE took the South Texas honors.

Single Operator assisted high power was won by N5AA (what a great call sign!) with

793,167 points. That score came from 635 QSOs and 419 multipliers. Darin, WG5J made the cluster use worthwhile to finish in second with 576,828. K5MV's strategy of using the cluster to find stations he missed must have also worked as Jeff took third place with 526,011 points. K5LAD won Oklahoma with 205,590 points, and West Texas was left out of the mix this time. Next year you have the chance to set a section record if you are in West Texas and want to go high power assisted!

### *Single Band Entries*

Entering the DX contest as a single band entry certainly has its advantages. You can really focus on one band, getting to experience all of the propagation it has to offer during the weekend. Depending on what band you pick, you can sleep at night (if you go 10 or 15 meters) or get some nice afternoon naps in if you go 160 or 80 meters. Some hams choose to maximize their station for one band, which certainly cuts down on the number of antennas running around the backyard, while others just prefer a single band and getting to learn as much about it as you can. Some people even do a contest analysis from the previous years and try to determine which band would give them the best chance of winning.

Jim, K5RX decided to give 160 meters a try this year. Now that is a band that usually takes some real estate. Those top band operators are a class unto themselves, and Jim demonstrated his fine operating skills to the tune of 49 QSOs with 33 countries, for a score of 4752. I haven't even heard 33 countries on 160 yet, much less worked that many, and that is over 25 years time. Good show for a weekend Jim!

No one tried 80 meters by itself this year, so there was another certificate available for the taking. Chris, KE5ZRT decided to give 40 meters a try this year and earned himself a certificate with 7 QSOs with 6 countries. 40 meters can sure be a fun band when you have some decent conditions. Dave, K5YM likes 20 meters because it tends to stay open as long as he cares to stay awake, and still has good daytime activity as well. He uses the search and pounce method and always found stations to work. The S & P method must have worked as he won the category with 41,292 points. He worked 2 new countries in the contest and hopes to get DXCC just from contesting operating. With the increasing solar cycle that shouldn't take too much longer to accomplish. Good luck, Dave!

The biggest single band competition this year was on 15m. How can you ignore this great band with the sun finally cooperates? Ken, WM5R operated K5TR to a very impressive score of 455,544, which came from 1363 QSOs and 114 multipliers. Who would have guessed a year ago that a station in the black hole of 5-land would have made over 1300 QSOs and did DXCC on 15m in a single weekend? Conditions sure have improved with the start of cycle 24. K5QEA and W5GFI ran neck and neck for second place most of the weekend, with Sammy, K5QEA finally coming out on top with 79,212. NZ5M took care of 15m from West Texas with 1683 points. No one in North Texas was brave (or crazy?) enough to try 15 meters as a single band entry this year. Charles, W5PR won the 10 meter class with 200,100 points from 727 QSOs in 92 countries. That sure is impressive for 10 meters, just missing a single band DXCC.

That would have never seemed possible in 2010.

### *Multioperator*

Why do people decide to go multiop? There are probably several reasons. Some like the companionship of having other hams contesting with them. Some want to make a full 48 hour effort but don't have the physical or mental stamina to do it alone. Probably one of the best reasons came from both Gator, N5RZ, and Jim, WØUO. They both opened up their stations to introduce new hams to contesting, and to provide the mentor role to them. I can't think of a better reason for going multiop, and with these experienced operators leading the new hams, the future of contesting seems to be in good hands. Jim said the new ops caught on quickly when it came to spotting new multipliers, and are ready to do it again next year.

Jim, WØUO and his crew of new testers took the multiop single transmitter low power category with a score of 943,008. That came from 898 QSOs and 352 multipliers. It sounds like these new ops did catch on to spotting new mults. The multiop single transmitter high power category winner was the crew at K9MBB in South Texas. They made 742 QSOs with 305 multipliers for a final score of 671,610. Gator, N5RZ, and Deborah, KF5HHD went multiop two transmitter to the tune of 902,160 points. They made 1086 QSOs and found 280 multipliers. I am sure we will be hearing more of Deborah in future contests. Gator had been QRT for a little while and was really glad to be back contesting from home again. I can certainly understand that feeling. Finally, Gary, KBØHH opened up the bunkhouse for another multioperator multitransmitter effort and finished with 468,180 points, making 605 QSOs with 270 multipliers.

If there were any categories that were underrepresented in the West Gulf this year, they were the multiop categories. Each category had only a single entry. As WØUO and N5RZ found out, hosting a multiop effort is a great way to introduce new hams to contesting. Maybe in 2012 we will see a few more multiop entries and a few more testers created.

### *Wrapup*

So that's the scoop from the West Gulf division this year. What will 2012 hold? Who knows? Hopefully 15 meters will do a repeat of 2011 with its great openings. Hopefully 10 meters will beat its 2011 performance, and it should as the solar cycle continues to rise. Even with the great sunspot numbers and solar flux, don't overlook the low bands, as Pat WA5IYX found out. There is still plenty of good DX to be worked on 40, 80, and 160. Use the rest of the year to identify the weaknesses in your station that can be improved for next year. Maybe another antenna would fill in some holes in coverage for you. Adding a gain antenna for another band certainly couldn't hurt. It might be time to take the leap and try out that new rig you have had your eye on. But most of all, contest, contest, contest between now and then. One cannot get enough practice in this great art called radiosport!

## Canada – by John Sluymer, VE3EJ

In analyzing the Canadian results for 2011 one quickly realizes how similar the statistics for 2011 are to those of 2010. The regional distribution for Canadian entries varied slightly but total number of VE entries was almost identical to 2010 with 115 compared to 116 the year before. Of the 14 Canadian multipliers available, 12 were represented by log entries with Nunavut (VYØ) and Yukon (VY1) being absent this year.

While high band conditions may have improved a bit over 2010, they would certainly not be described as spectacular. On balance, judging by overall scores, conditions were just slightly below those of 2010.

### *Regional distribution:*

		2011	2010
Newfoundland	VO1:	3	4
Labrador	VO2:	1	1
Nova Scotia	VE1:	5	6
New Brunswick	VE9:	1	4
Prince Edward Island	VY2:	4	3
Quebec	VE2:	16	14
Ontario	VE3:	48	47
Manitoba	VE4:	4	2
Saskatchewan	VE5:	4	7
Alberta	VE6:	11	12
British Columbia	VE7:	17	13
North West Territories	VE8:	1	1
Yukon	VY1:	0	2
		<hr/> 115	<hr/> 116

### *Categories:*

High power entries totaled 67 while low power represented 46 with QRP totaling 2.  
In order of popularity:

SOLP (Single Operator Low Power) : 35

SOHP (Single Operator High Power) : 21

SOSB (Single Operator Single Band): 20

SOAHP (Single Operator Assisted High Power): 16

SOALP (Single Operator Assisted Low Power): 12

M2 (Multi Two): 3

MSHP (Multi Single High Power): 3

SOQRP (Single Operator QRP): 2

MSLP (Multi Single Low Power): 1

MM (Multi Multi): 1

60 percent of Canadian entries indicated club affiliation. CCO had the largest number of entries with 39 which also represents 91% of all Ontario entries. Other significant contest clubs represented this year were “Contest Group du Quebec” (CGQ), “Maritime Contest Club” (MARCC) and “ORCADX” from British Columbia.

In the Club competition, Contest Club Ontario (CCO) placed 5th overall, dropping one position over 2010 with 47.1 Million points from 85 participants (combined phone and CW). The Maritime Contest Club (MARCC) managed 13.5 million with 16 club members submitting logs followed by Contest Group du Quebec (CGQ) with 6.9 million points from 14 entries, the BC DX Club with 4.98 million and the ORCA DX and Contest Club following closely with 4.69 Million points. CCO was in the Unlimited Club Category while the other four competed in the Medium size club Category.

### *Individual Highlights*

Special congratulations to the following for finishing first overall in their respective categories:

**VY2ZM (K6AAX op) – #1 VE/W Single op High Power.**



Patrick K6AAX testing out the bands just prior to the ARRL DX Phone contest.

Your 2011 big winner is Patrick K6AAX operating from his father’s station on the North shore of Prince Edward Island. Patrick’s father is none other than Jeff, VY2ZM. Jeff indicated that AAX has only been licensed since 2009 and had only participated in a half dozen contests prior to the 2011 running of the ARRL DX Phone contest. This victory is a real testament to Patrick’s contesting talent, the value of having a strong mentor and the hard work that has gone into building the VY2ZM station.

### **VA3DF – #1 VE/W QRP (New Canadian record!)**



Doug, VA3DF keeping the rust off his paddle following the ARRL DX Phone contest.

Doug continues to dominate the QRP category in the ARRL DX Phone contest by almost doubling his record setting score of 2010. His 2011 score of 556,842 points nearly twice his own Canadian record set only last year. Entering most contests in the QRP category is Doug's signature theme. Patience and tenacity is what it takes here.

### **VE2XAA - #1 VE/W Single Op Assisted Low Power. New category and new VE/W record.**



Alex, VE2XAA enjoying a relaxing moment after the ARRL DX Phone contest.

Alex took advantage of the newly formed Low Power assisted category to establish a record winning score of 1,304,478 points and outdistance the completion by nearly 30%. Alex's station is located in suburban Montreal but he frequently operated from Sept-Isles in zone 2.

### *Top Ten Scores*

#### Single Operator Unassisted all band High Power

- **VY2ZM** (K6AAX) – First overall, #1 Canada
- **VC3E** (VE3AT) – Fourth overall, # 2 Canada.

#### Single Operator all band QRP

- **VA3DF** – First overall, #1 Canada.

#### Single Operator Assisted all band LP

- **VE2XAA** – First overall, #1 Canada.

#### Single Band 160 Meters

- **VE3EDY** – Tenth overall, # 1 Canada.

#### Single Band 40 Meters

- **VA3XH** – Ninth overall, #1 Canada.

#### Single Band 20 Meters

- **VE6WQ** – Second overall, #1 Canada.

#### Single Band 15 Meters

- **VE3DZ** – Tenth overall, #1 Canada.

#### Multi Two

- **VE3RM** – Tenth overall, #1 Canada.

#### Multi Multi

- **VE7DXG** – Tenth overall, #1 Canada.

### *Top Canadian finishers and scores:*

- Single operator all band high power: **VY2ZM** (K6AAX) - **5,142,882**
- Single operator all band low power: **VE3SWG** – **585,552**
- Single operator all band QRP: **VA3DF** – **556,842**
- Single operator assisted HP: **VE3CX** – **1,998,816\***
- Single operator assisted LP: **VE2XAA** – **1,304,478\***
- Single operator 10 meters: **VY2SS** – **6,720**
- Single operator 15 meters: **VE3DZ** – **242,215**
- Single operator 20 meters: **VE6WQ** – **274,215**
- Single operator 40 meters: **VA3XH** – **22,572**
- Single operator 80 meters: No Entry
- Single operator 160 meters: **VE2EDY** – **462**
- Multi Single High Power: **VE9GLF** – **711,540 \***
- Multi Single Low Power: **VE2CJR** – **1,875\***
- Multi Two: **VE3RM** – **2,346,258**
- Multi Multi: **VE7DXG** – **1,824**



By virtue of 4 new categories being established (“Single Op Assisted” and “Multi Single” both being broken into HP & LP categories), the scores listed with \* above represent new Canadian records.

*Trophy winners for 2011 are:*

**VY2ZM (K6AAX) – SOHP**

**VA3DF – SOQRP**

**VA3SWG – Canada – SOLP**

We continue to hope for increased solar activity and its resulting benefits to the high bands. It has been a long time since 10 meters has been a major factor in the ARRL DX Phone contest. After a long wait, maybe 2012 will be the year. Be there to find out!

73, John, VE3EJ

---

### **Africa – by David Burger, VK2CZ/ K3HZ**

Doing a little legwork to get a picture of the past history of the ARRL DX participation on the Africa continent has clearly shown a steady increase in the number of stations active since 2007. That said, the overall scoring has been close to the lowest in the past 10 years, and like the same observation for Oceania (see section below), this may be a result of more low power operators, more casual operating style or basic propagation issues.

The number of DX entities participating was also quite low this year, and looking back, it is evident some very interesting operations have occurred in the past. The bulk of the African participation in 2011 was from the northern part of the continent, potentially a result from less travel by the few who like taking to the air with heavy radio baggage.

Congratulations to Andrew V51YJ with the highest score, and being logged in the SOLP all band category. Comments from some of the participants in Africa include:

#### **EF8R (EA8CAC)**

First we was thinking to participate like M/S (EA8AH and me) but Pekka have visit from Finland at home and can't be all time in the station, then we was thinking to made a SOAB but few hours before contest i start to feel sick in that way we decided to made two SOSB Pekka on 80m and me on 20m.

This was the Murphy contest for me. I start to feel sick 12 hours before contest (great!!!), just starting we haved a lot of problems with RF in my microphone, and some problem on 80m band too, we spend a lot of time with that.

Then I haved a problem with a local station that made QRM on 60Khz!!! on the band. For some moments it was a lot of wind and the 20m yagui it was "dancing" I loose some time with SWR and Acom protection, What happened???

finally it was a wire that sometimes touch the driver element and make crazy the SWR.

With the good openings on 10 and 15m, 20m it was so bored, with a too low ratios and no good pile ups (you can see down) its no so funny to spend all weekend for just 2500 QSOs on SOSB, for the next time SOAB or Multi for sure(+QSO = +funny).

Many thanks to all stations for the QSOs, finally a new AF SOSB RECORD is CLAIMED !!!!! Thanks guys !!!!!

### **Ash 3V8SS/KF5EYY**

My participation in the SSB leg of ARRL DX Contest was mainly for having more points in the qualification race to WRTC2014. As I have many things interfering here, 9-hours was all the time I could afford to this contest. The big surprise was 10m! This contest witnessed my first QSO ever with W/VE on 10. On Saturday, I tried a quick move to 10 with K5ZD but nothing heard. However, Sunday showed a fantastic opening to NA. I was astonished seeing all these people calling me on 10.

I wonder what's happening on 20! I was calling for several minutes but in vain, except some few QSOs that never generated a pileup. Probably the time is not well chosen but also W/VE Stations weren't as loud as during few weeks ago.

Thanks to everyone for calling me. Again, what a disciplined W/VE Operators! You brought the pileup to an ultimate joy thanks to your excellent operating behaviour!

---

### **Asia -- by Brett Graham, VR2BG**

Japan again dominated Asian competition for 2011, taking most categories other than single operator 80m and multi-single high power which were won from Asiatic Russia and single operator assisted high power which was won from Cyprus. Second place was also all JAs other than three UAØs.

Active several times recently as XU7FMZ, Nob shows us part of the reason why – XU food! (Photo by XU7FMZ)



About 59% of Asian entrants were JAs and they made 73% of reported QSOs with the continent, followed by the Russians with 15% of entrants making 15% of QSOs. Compared to last year, there were 4% fewer JAs though they made 6% more contacts. The percentage of Russian entrants this year is the same, though they made about 7% less of total QSOs. There was one less Asian entrant this year, with the 233 entrants representing a little over 15% of all DX participants – roughly the same as last year.

There were six Asians in the overall Top Ten again, but only one was QRP – last year, more than half were QRP. In a welcome sign of improving conditions, a total of 1690 QSOs were made on 10m, up from only nine last year. Activity on top band was also up, with 74 of the 84 total QSOs being made from eastern end of the continent.

### *Single op single band*

For the first time in several years, there were single band 10m entries from the continent – led by Lou JA7OWD with 15.9k/255/21, followed by Sergey UAØDC at 2.9k/90/11 and JJ1RDX with 693/36/7.

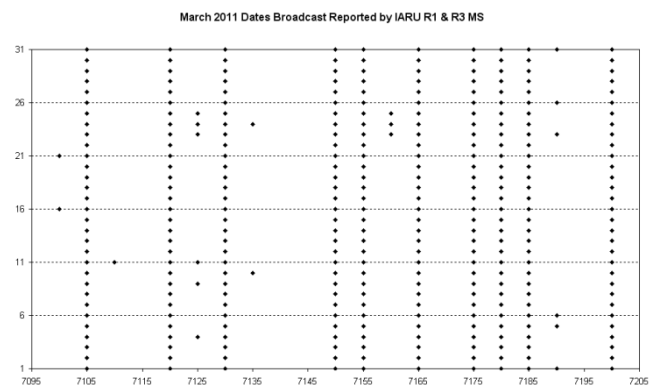
On 15m, leader Masi JR1CBC's 231k/1337/58 more than doubled last year's top score, ending eighteenth overall. Moving up to second place from third last year, Naomi JA7NVF with 213k/1247/58 was also over twice last year's winner & likewise in third JA2ZJW (operated by Mark JI2MWH) at 162k/927/59 also bettered that mark by a comfortable margin.

The Tohoku (Japanese seventh call area) domination of 20m weakened this year, with JH7XMO again taking top honors with 134k/831/55 – a little over one-third less than the previous year – though instead of other JA7s, he was followed by Igor RZØSR at 72k/449/54 and Yuri UN6P with 40k/256/53. JH7XMO was twenty-fifth overall.

On 40m, Eiki JH8JWF with 129k/868/50 finished comfortably ahead of Sergey UAØCM at 45.9k/405/38 and JG1ZUY (operated by Rin JG1VGX) with 15.2k/184/28. JH8JWF's score was also a third down from last year's continental leader, but was still good enough for tenth overall. UAØCM was eighteenth overall.

And down on 75m Vlad RCØF led the continent and was also tenth world with 17.4k/206/29, followed by Toru JE2OTM at 960/43/8.

This year was the third since the broadcast service was to have vacated 7100-7200 kHz and as this is written (early July), with just reports from the Region 1 and Region 3 IARU Monitoring Systems at hand there are still many days and frequencies in the plot showing broadcast's continued use of the band segment. We can hope that maybe next year they will finally leave & those on the DX-side will have an easier time hearing W/VEs through it all.



Now three years after broadcasters were to have vacated 7100-7200 kHz, they are still very much with us.

### *Single op all band*

Asian QRP strong man JR4DAH once again takes top honors and was sixth world with 35.1k/188/63. JH1APZ at 23.4k/151/52 was second and thirteenth overall, followed by again Hiro JA2MWV with 8.4k/93/31 in third and fourteenth overall.

Overlooking salt water, JA3AOP has one of those QTHs where you can hear the DX without an antenna! (Photo by JA3AOP)



Likewise, the continental single operator all band low power winner was again JH4UYB with 460k/1139/136. Masa ended up with about 100 less QSOs and 16 fewer multipliers than last year – 16k points, a 3.4% reduction – as a result slipping to twenty-second overall. In second was Serge UAØZS with 169k/652/85, followed by Hartwig TA2/DL7BC at 48.8k/229/73 in third.



Eddy, XV1X was a welcome multiplier for a lucky few. (Photo by XV1X)

On high power, Yasu JR1AIB with 799k/1666/164 ended comfortably ahead of Jim JR3NZC with 556k/1487/126 and JA3AOP with 470k/1159/137. Last year's Asian top three were all in the overall top thirty, this year JR1AIB was thirty-first with a score 30% down from JA1ELY's last year.

5B4AIF led the single operator assisted high power category with 927k/1493/210, eleventh overall, followed by Hideki JA2IVK with 738k/1763/142 in thirteenth and Hirano JQ1BVI with 490k/1260/133 was twenty-first overall.

Single operator assisted low power honors went to JH1DGQ with 45.5k/219/70, thirty-third overall. Behind JH1DGQ were Mutt JA6DIJ at 17.1k/128/45 in second and Taka JG5UWK with 14.1k/122/39 third on the continent.

### *Multi op*

The RWØCWA club station piloted by RWØCF, RWØCN, UAØCA, UAØCDX, UAØCO and RWØCR were essentially by themselves this year in the multi-single high power category, with 1.1M/2306/173 ended up twenty-second overall. TA7KA (operated by TA7OM, TA7AB, TA7K and TA7N) was second with 21.4k/143/51.

Also  
benefiting from the  
antenna-can-see-salt-  
water factor is club  
station TA7KA.  
(Photo courtesy of  
TA7KA)



JO3VVO and JO3XYZ, operating JL3YJF was the only multi-single low power entry, at 264/11/8.

Switching from multi-multi to multi-two this year, the team at JA1YPA – JA1PEJ, JE1PMQ, JE1HJA, JG4KEZ, JI6BRB, JE8KKX and JR8VSE – finished with 1.2M/2277/180 to take continental honors as well as eighth place overall. JA1ZGP (operated by JE1BJP, JG1JUX and KITTA) were second with 179k/643/95 and tenth place overall.

Operators JS1PWV, JG3MRT and JH4NMT returned to Mt RF – the JA3YBK super station – to put in the continent's only multi-multi entry, at 1.7M/2915/200 good for fourth overall.

---

### **Caribbean Region -- by Bill Smith, W9VA**

The Caribbean is always a popular warm weather destination in March, so why not take along a radio. This year's results again show a good mix of those northern visitors as well as resident operators. In total 37 entries were received, about half from resident stations. Scores were generally up from last year, primarily because of improved conditions on 10 meters.

#### *Caribbean Class Winners – Congratulations to All!*

Single Op High Power	8P5A (W2SC Op)	9,440,100
Single Op Low Power	HI3TEJ	5,193,981
Single Op Assisted HP	WP4SK	1,470,660
Single Op Assisted LP	HH2/PY1ZV	987,840
Single Band 160	KV4FZ	83,790
Single Band 75	KP4KE	7,272
Single Band 40	ZF2AH	458,607

Single Band 20	KP2CW (K6VVA Op)	386,745
Single Band 10	WP3GW	31,680
Multi Op Multi Trans	C6ANM (NE1B N1IW N1GN W2AFC)	5,198,094
Multi Op Single Trans HP	VP5H (WØGJ KØMD WAØMHJ)	7,483,938
Multi Op Single Trans LP	WP3C (+KP4WW)	5,467,380

In the Single Op High Power category, Tom W2SC in Barbados as 8P5A was not only first in the Caribbean but again first in the world, based on 9,292 contacts and 340 Multipliers, a 16% score improvement over 2010. Tom's 2011 score reflects almost 2,000 more contacts on 10 meters. Of course with the additional time on 10 the other bands suffered a bit – but the bottom line reflects the overall improvement in conditions. In second place we find TO7A on Martinique, operated by Dimitry, UT5UGR. TO7A finished second in the world, only 190 QSO's behind Tom – and actually leading in mults with 349 versus 340. Dimitry found the additional mults on 160 meters! Rounding out the top 5 are KP2M, V26M, and V48M.

The Single Op Low Power category attracted 11 entries, the most popular class in the region. Ted, HI3TEJ won the world this year, and repeated again as regional winner with 5,648 Q's and 309 Mults. This represents a 49% improvement in Ted's score. Close behind were J88DR and J7Y.

The Single Op Assisted category attracted 6 entries, with Henry, WP4SK in San Juan winning the High Power category and Fabio, HH2/PY1ZV, the Low Power winner.

There were six single band entries, with winners as shown above. Herb, KV4FZ, is the world winner on 160 meters with 500 QSO's and 57 Mults. Congratulations also to Joe, W6VNR, who piloted ZF2AH to second place on 40 meters world-wide.

And, finally, the Multi-Op stations. The region's only Multi-Multi Entry, C6ANM in the Bahamas, 5,868 Q's and 297 Mults – a score of 5.2M, in this category second in the world only to TI5N. In the more popular Multi-Single category, Glenn WØGJ, Scott KØMD, and Mark WAØMHJ at VP5H, won not only the Caribbean but the World. VP5H improved the previous year score by an impressive 26%. Second in both the World and Caribbean, PJ7DX on Sint Maarten not only had a great contest result, but rewarded DX'ers with over 7,000 Q's with this newly created DXCC entity.

### *Odds and Ends...*

One of the most competitive classes worldwide is Single Op High Power. Look at the table below to see how the World number 1 and number 2 stations compare:

Call	Score	QSOs	Mults	160	75	40	20	15	10
8P5A	9.44 M	9,292	340	235/43	728/58	1664/60	1954/60	2094/60	2617/59
TO7A	9.38 M	9,100	349	216/52	432/58	1616/60	2205/60	2266/60	2365/59

Lots of similarities – relatively few differences – band change decisions must have been crucial. Congratulations to both!



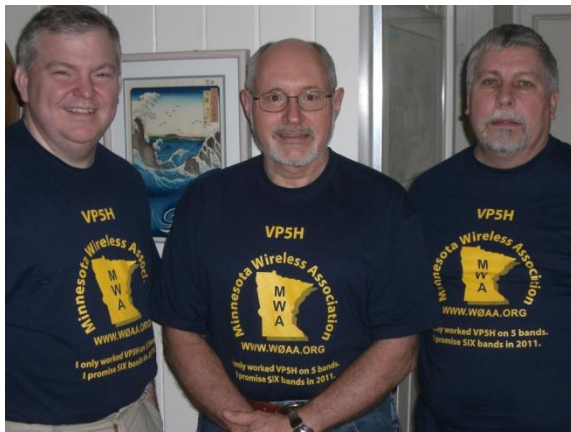
### Photo Gallery

Here's Worldwide Single Op Low Power Winner Ted, HI3TEJ, at the operating position and shot of Ted's antenna farm. (Photos courtesy of HI3TEJ)



In addition to HF contesting, Ted is active on 6 meters during the summer providing the gang with the Dominican Republic on the Magic Band.

Here's the gang that lead VP5H to a world championship. That's Scott KØMD, Glenn WØGJ and Mark WAØMHJ from left to right and in the right-hand photo you can see the VP5H view looking north from Providenciales. Especially for us northerners, what a great place to be in February or March!



So that's the Caribbean Region 2011 Phone Contest Story. Last year I concluded with the hope that 2011 would bring a few more sunspots, and more equal 10 meter opportunities for the entire region, keeping in mind that in 2010 the openings on that band were highly selective and favored the southern tier. Well, we had more sunspots, although not as many as we expected, and the entire region enjoyed widespread 10 meter openings. Even with such success on predictions for 2011 – my only prediction for 2012 is that everyone will have lots of fun and a great contest. How can I go wrong!

**Central America – by Diego Salom – LU8ADX, assisted by Diana XE2DN & Hector XE2K**  
(Unless otherwise noted, photos are credited to the person shown in the photo.)

## *Centroamérica* *Central America*

En la categoría Multi-Multi (MM) desde Centroamérica, este año contamos con la presencia de Costa Rica. La estación TI5N fue activada por un equipo del CVCC y DDXG formado por KD4ZDQ, N4KFT, N4LSP, W4DR, WK4Y, WV4Y y WA4PGM, ellos obtuvieron también el 1er puesto mundial de esta categoría.

In Multi-Multi Category (MM) from Central America this year we got Costa Rica. The station TI5N was activated for a team composed of CVCC and DDXG members, among them KD4ZDQ, N4KFT, N4LSP, W4DR, WK4Y, WV4Y, and WA4PGM. This team reached the 1st Place World in the category.

Call sign	Score	QSOs	160	80	40	20	15	10
TI5N	11.044.164	10992	213/43	935/58	1863/59	2947/60	2740/60	2294/57



TI5N Station. (Photo TI5N)



TI2JCY, TI2KAC, K4UN, W4BW, W4XO and W4KTR. (Photo TI8M)

También desde Costa Rica estuvo en el aire la estación TI8M con un equipo internacional integrado por TI2JCY, TI2KAC, TI4ZM, K4UN, W4BW, W4XO y W4KTR, siendo la única estación de la región en esa categoría Multi2 (M2) sacando un 1er lugar en el mundo.

Also from Costa Rica TI8M was on the air by another international team with TI2JCY, TI2KAC, TI4ZM, K4UN, W4BW, W4XO, and W4KTR. They were the only station from the region in that category and got 1st place Multi2 (M2) in the region and also 1st in the world.

Call sign	Score	QSOs	160	80	40	20	15	10
TI8M	7.190.730	7374	108/36	732/57	1400/57	1846/60	2047/60	1241/57



En la categoría Multi-single High Power (MSHP), hubo solo una estación desde Centroamérica, y esta fue desde Honduras, HQ2W compuesta por un equipo familiar, Dan, HR2DMR quien es el padre de Daniel, HQ2DMR de 14 años y Jonathan, HQ2JCM de 12 años. Ellos han hecho un gran trabajo ya que han logrado el 10mo puesto a nivel mundial.



From left to right: HQ2DMR, HR2DMR and HQ2JCM. (Photo HR2DMR)

In the Multi-Single High Power category (MSHP), there was only one station from Central America, HQ2W, operated from Honduras by the family team of Dan, HR2DMR father of Daniel, HQ2DMR, 14 years old, and Jonathan, HQ2JCM, 12 years old. They have done a great job and achieved the 10th position worldwide.

Call sign	Score	QSOs	Mults	Operators
HQ2W	2.256.741	3034	251	HQ2DMR, HQ2JCM, HR2DMR

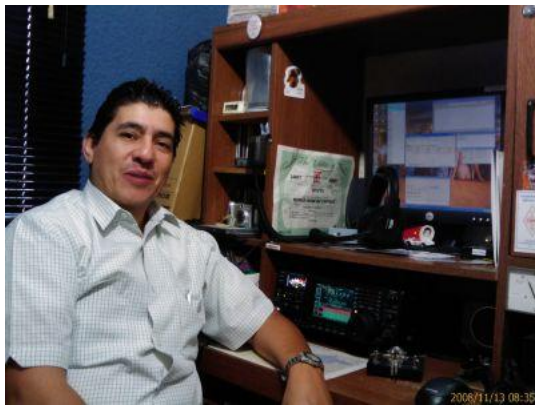
En la nueva categoría Multi-single Low Power (MSLP), hubo solo una estación desde Centroamérica, que fue XE2AU también compuesta por un equipo familiar, Benjamín, XE2AU es el padre de David, XE2AUD de 13 años, ellos obtuvieron el 5to puesto en el mundo.



In the new Multi-Single Low Power category (MSLP), there was only one station from Central America which was XE2AU, another family team, Benjamin XE2AU sends the photo at right of his 13-year-old son David XE2AUD. They made it to the 5th place in the world.

Call sign	Score	QSOs	Mults	Operators
XE2AU	683.754	1386	166	XE2AU and XE2AUD

En la nueva categoría Single-Op Assisted Low Power (SOALP) hubo una sola una participación en la región que fue Alejandro, XE1EE con 556 QSOs, 42 Mults con un total de 69,678 puntos.



In the new category Single-Op Assisted Low Power (SOALP) there was one participant in the region, Alejandro XE1EE, with 556 QSOs, 42 Mults and a total of 69.678 points.

En la categoría Single-Op High Power (SOHP), Jim, HQ2GL con casi 3800 QSOs fue el mejor clasificado de la región seguido por Javier, XE1CWJ.

In the category Single-Op High Power (SOHP), Jim HQ2GL (Left photo), with almost 3800 QSOs, was the highest ranked in the region followed by Javier, XE1CWJ (Right photo).

Call sign	Score	QSOs	Mults
HQ2GL	2.933.952	3798	259
XE1CWJ	2.371.197	3205	251



En la categoría Single-Op Low Power (SOLP) hubo 8 participantes desde Centro América. El mejor clasificado fue Ken, N2ZN que participo desde Belice como V31AM habiendo logrado el 2do puesto mundial, seguido por David, N6HD que participo desde Guatemala como TG7/N6HD quedando 8vo en el Top Ten mundial de la categoría. El 3er lugar desde Centro América fue Luis XE2AC desde Aguascalientes.



In the category Single-Op Low Power (SOLP) there were 8 participants from Central America. The highest ranked was Ken, N2NZ (at left) who participated as V31AM from Belize. He achieved the 2nd place worldwide, followed by David, N6HD (at right) who participated from Guatemala as TG7/N6HD being 8th in the World Top Ten, and from Central America the 3<sup>rd</sup> place was Luis XE2AC from Aguascalientes.



Call sign	Score	QSOs	Mults
V31AM (N2ZN, op)	4.498.002	5314	283
TG7/N6HD	1.760.388	2253	266
XE2AC	920.199	1530	203
XE1XOE	702.702	1192	198
XE2JA	242.874	648	131
XE1ZTW	85.428	339	84
HP3FTD	1.242	23	18
TG9AJR	75	5	5

En la categoría Single-Op Single-Band 10 (SOSB10) solo hubo un participante desde Centro América y fue Zalo, XE3N que pudo hacer 410 QSOs y 39 multiplicadores en la banda de 10 metros, cosa que hasta el año pasado era casi imposible hacerlo, el obtuvo en 1er puesto en Norte América.



In the category Single-Op Single-Band 10 (SOSB10) there was only one participant from Central America. Zalo, XE3N could make 410 QSOs and 39 multipliers in the 10 meter band, which until last year it was almost impossible to do. He got 1st place in North America.





En la categoría Single-Op Single-Band 20 (SOSB20), el primer lugar en la región fue para Francisco, TG9ANF pudiendo hacer 1141 QSOs y 57 multiplicadores desde Guatemala.

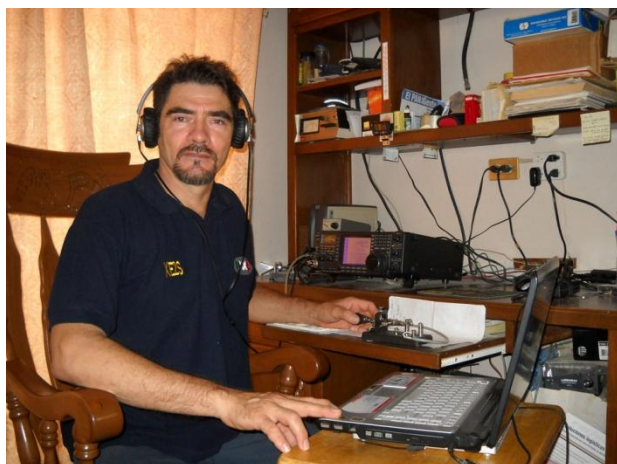
In the category Single-Op Single-Band 20 (SOSB20), the first in the region was Francisco, TG9ANF. (at left) He got 1141 QSOs and 57 multipliers from Guatemala.

En la categoría Single-Op Single-Band 40 (SOSB40), el primer lugar en la región fue para Luis, XE1L pudiendo hacer 471 QSOs y 51 multiplicadores desde México.

In the category Single-Op Single-Band 40 (SOSB40), the first place in the region went to Luis, XE1L (at right) with 471 QSOs and 51 multipliers from Mexico.



Con solo un participante en la región en la categoría Single-Op, Single-Band 80 (SOSB80), Marco, XE2S logro desde la desértica Sonora 756 QSOs y 55 multiplicadores logrando el 4to puesto en el Top Ten mundial y califico como ganador en Norte América.



The only participant in the region in the category Single-Op Single-Band 80 (SOSB80) was Marco, XE2S (at left) who made 756 QSOs and 55 multipliers from the desert land of Sonora, achieved the 4th place in the world, and ranked Top Ten winner in North America.

Con solo un participante en la región en la categoría Single-Op, Single-Band 160 (SOSB160) el cual fue Ray WQ7R que salió desde Honduras como HQ9R obteniendo el 3er lugar en el Top Ten mundial.



With only one participant in the region in the category Single-Op Single-Band 160 (SOSB160) the first place went to Ray, WQ7R (at left) who operated from Honduras as HQ9R getting 3rd place in the world.

---

**Europe – no author for 2011 – contact NØAX if you are interested in covering EU results!**

---

### **Oceania – by David Burger, VK2CZ/ K3HZ**

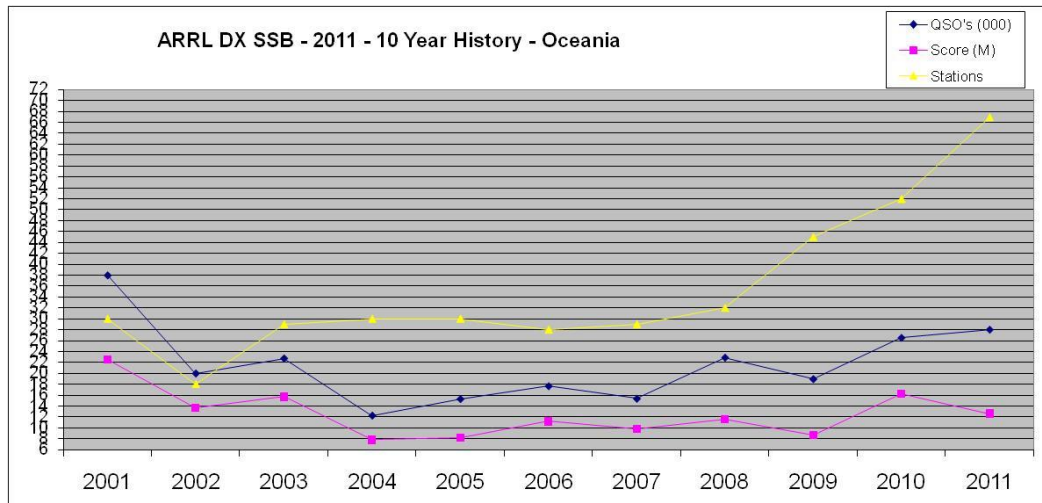
The early March timeframe of this event was just 5 days prior to the Japan earthquake and tsunami.

The standout change this year was the increasing number of stations participating as shown in the graph below, including activations of some new entities not seen in the past 10 years in this event, i.e., P29 and V85. Overall scoring was lower, indicative of more low power operations, more casual operation or propagation.

The continental leaders for Oceania were:

<b>Oceania</b>	<b>Station</b>	<b>Score</b>
Single Operator, High Power – Also ranked #7 in the world	KH6YR (K1YR, op)	5,078,376
Single Operator, Low Power	KH6CJJ	487,017
Single Operator QRP	VK4ATH	1,827
Single Operator Assisted, High Power	DU1BP	192,096
Single Operator Assisted, Low Power	AH6NF	32,724
Single Operator 10 Meters	ZL3TE (W3SE, op)	82,800
Single Operator 15 Meters – Also ranked #3 in the world	KH7Y	501,120
Single Operator 20 Meters	DU1JI	2,160
Single Operator 40 Meters	VK5FPAS	2,079

A special mention to Dan operating as WH7Z (WØCN, op) for ranking #4 in the world in 15m Single band as well.



Comments from some of the participants in Oceania include:

- Call: 9M6/VO1AU      Class: SOAB HP      Total Score = 349,044 (best band was 15m)

QSL via VO1MX and LoTW. This was a nice experience and a good warm-up for the Commonwealth Contest (BERU) next weekend. From 9M6, Canada and the US are 12,000 to 14,000 km away, so the openings are short and fleeting, clustered for the few hours before and after local sunrise and sunset. Conditions were great, and I was very pleased to work a few stations on 10m. Saturday night, I did get distracted for a couple of hours with a great 6m opening to Japan and to VK8.

I used the 9M6LSC club station near Kota Kinabulu. This is a nicely-equipped rent-a-shack at a modest beach resort on the South China Sea, however it is somewhat lacking in creature comforts. If you want to try a easy DXpedition, this would be good choice. Please see [http://www.apiapi-japan.com/new\\_radio/9m6\\_e.html](http://www.apiapi-japan.com/new_radio/9m6_e.html). Thanks, David.

- Call: KH6CW      Class: SOAB HP      Total Score = 263,466 (Best band 15m)

Very nice conditions but very limited time to operate. Wish I'd ordered the KDVR3 option for the K3 (cough cough) ... Aloha

- Call: KH6YR      Class: SOAB HP      Total Score = 5,140,101 (best band almost identical for 15m/10m)

Thanks again to my friend and host Max, KH6ZM for the use of his wonderful station, and his commitment to keeping me in the chair. You can put the whip down now, Max. Also, mahalo to the guys and gals of the AOCC for their support and motivation before and during the contest.

And, to whoever it was that I argued with about not identifying often enough, I'm sorry I snapped at you.

- Call: KH7BB      Class: SOSB/40 HP      Total Score = 60,048

A fun time as always. Commitments and a station in transition limited me to a 40 meter dipole 12 feet off the ground and 4 hours operating time. Couldn't figure out why everyone sounded so funny until half way through when I noticed the SHIFT knob on the FT1000 was tweaked LOL. Thanks to everyone that called and kept trying to break through that funny thing called SHIFT, argh. Aloha and 73, Carl

- Call: KH7Y      Class: SOSB/15 HP      Total Score = 509,400

The contest started with red hot conditions. First hour rate was 320qs. I lost three hours on Saturday morning due to a bad storm overhead. We received 3 and 1/2 inches in two hours. The rest of Saturday was red hot, Sunday started off slow and rates were good at the end of the contest. If my score holds I will have the OC record now at 447K. Thanks for all the Qs and see you all at the end of the month for WPX event. Aloha, Fred KH7Y

- Call: NH7A      Class: SOAB HP      Total Score = 3,147,312 (best band was 10m)

Had a bad cold which resulted in losing my voice during the contest. I almost spend more time in bed then on for the contest. Oh, well.

- Call: WH7Z      Class: SOSB/15 HP      Total Score = 371,520

Aloha! Thanks to Martin, KH6MB, for the use of his station. Equipment: K3, ACOM 1000 Antenna: 2-element Vertical Yagi constructed with 14 AWG wire supported by fiberglass masts, 20 feet from Pacific Ocean. Mahalo for all the Qs! 73, Dan, W0CN

- Call: ZL2GQ      Class: SOSB/15 HP      Total Score = 111,300 see ZL3IO
- Call: ZL3IO      Class: SOAB HP      Total Score = 1,463,085 (Best band was 15m)

I took part as a field day station from our new elevated section. The site is on the East costs of the North Island, 300m asl with great view over the ocean to North America. All antennas were installed on the cliff with some local help. The shack was a tent, power from a 3 kW Honda generator. Still some antenna work to do during the first hours so only interrupted operation. Then the weather changed with strong winds (100 km/h), rain and cold. The wind showed me the weaknesses of my antennas and damaged the 10m feeding system before I even made my first contact. But I was busy with the other bands... On our local Sunday morning my daughter came for her first contest activity. She is 15yrs and got her call ZL2GQ only recently. I was hoping that the conditions on 15m would allow her to enjoy some QSO's. My idea was 100-

200 QSO's to train her a bit and probably let her run her first pile up. She made a great job running 700 Q's in 6 hours. And conditions and location helped for sure.

I did not spend much time on 20m as I wanted to check mainly 40/15/10m and check antennas. Seems they are working... The second night I had to lower the crank up tower with the 40m Hex Beam due to the extreme winds. So the antenna was back to 5m height but standing on the cliff and the area sloping steep down for about 200m helped allowed for almost 600 Q's.

Monday morning (in ZL, we are UTC +13h) brought 15m back. The second day of the contest was for me and I enjoyed the huge pile ups on 15m. By checking 10m I spotted a busy band. Against all reason I "alone" lowered the beam, repaired it and got it back on the mast. This was bloody dangerous for the beam and myself but I made it and the last 4 contest hours I spent on 10m with a huge run of 700 Q's. Thank you for the nice pile ups. I was freezing, my tent was blown away twice but your calls gave me one of the best contest weekends I had!

73 Holger, ZL3IO

---

**South America – by Diego Salom – LU8ADX, assisted by Diana XE2DN & Hector XE2K**  
(Unless otherwise noted, photos are credited to the person shown in the photo.)

### *South America* *Sudamérica*

Con un total de 169 logs recibidos desde el continente Sudamericano, se observo un incremento del 15% comparado con el año anterior, esto ayudado por el trabajo que realizan grupos como el LU Contest Group, el Araucaria DX Group entre otros, promocionando e incentivando a nuevos radioaficionados a participar en estos concursos. Este año finalmente llego la esperada gran apertura en la banda de 10 metros dando una gran cantidad de QSOs a participantes de Sudamérica. También desde este continente se han batido 2 records no solo continentales sino que también mundiales. Con estos comentarios, pasamos a dar un breve comentario de la actividad en cada una de sus categorías.

A total of 169 logs were received from the South American continent, 15 % more than last year, this helped by the work of groups like the LU Contest Group and the Araucaria DX Group among others, promote and encourage new amateur radio operators to participate in these contests. This year we finally got the expected propagation in the 10 meters band, and that gave us lots of QSOs from South America. Also from this continent 2 records have been broken not only continental, but worldwide. After these comments we will give brief information about the activity on each category.

Comenzando con la categoría Multi-multi (MM), hubo una sola participación desde Sudamérica en esta categoría y fue la estación CE3PCG operada por los siguientes colegas:



CA3OEV, CA3SDF, CE3TKV, CE3LPJ, CE3MMT, CE3DOH y XQ7UP. Ellos participaron haciendo pruebas de la estación estando activos solo el día sábado y quedaron en el 6to lugar a nivel mundial.

First, in the Multi-multi (MM) category, there was one entry from South America with the station CE3PCG operated by CA3OEV, CA3SDF, CE3TKV, CE3LPJ, CE3MMT, CE3DOH, and XQ7UP. They participated with tests from the station being active only on Saturday and finished 6th global.

Call sign	Score	QSOs	Mults
CE3PCG	509.949	1126	153

Con 4 estaciones que han participado en la categoría Multi-2 (M2) desde esta región, la que obtuvo el 1er lugar en el mundo fue PJ4G operada por K1XX, W1MD, K1QX, K1DG y K2NG, ellos hicieron un gran trabajo y quedaron a solo medio millón de puntos de haber batido el Record del continente en manos de PJ2T desde el año 2003. El 2do lugar desde Florianópolis, Brasil fue para PT5T operada por LU9ESD, LU8EOT y PY5EG, los 2 colegas de Argentina habían viajado a Florianópolis con la idea de participar en la categoría Multi-multi (MM) desde ZX5J, pero debido a un incendio en la estación, tuvieron que cambiar de planes es así que Atilano PY5EG decidió hacer un Muti-2 (M2) desde su Shack Ecológico; muy pegados a ellos quedo LP1H desde la provincia de Córdoba, Argentina, calificando 3ro en Sudamérica y 4to en el mundo, los operadores fueron LU5HM, LU2NI, LU1NDC, LU3HY, LU5DX y LU7HE. El 4to lugar y 5to en el mundo fue para CE4CT activada por CE4CT, CE3FZ, VE7SV y LU1FAM.

With 4 stations from this region that had participated in the Multi-2 (M2) category, the one that won 1st place worldwide was PJ4G operated by K1XX, W1MD, K1QX, and K2NG. They did a great job and were just half million points from beating the continent record held by PJ2T since 2003.

The PJ4G team of K2NG/PJ4G, K1DG, K1QX, W1MD; and K1XX. (Photo K1DG)





The PT5T team - LU9ESD, PY5EG and LU8EOT. (Photo LU8EOT)

The second place, from Florianopolis, Brazil, was to PT5T, operated by LU9ESD, LU8EOT, and PY5EG. The two hams from Argentina had traveled to Florianopolis with the idea of participating in the Multi-multi (MM) from ZX5J, but due to a fire in the station they had to change plans. Atilano, PY5EG decided to do the Multi-2 from his ecological shack.

Close to them was LP1H from Cordoba, Argentina, qualifying 3rd place in South America and 4th place worldwide. The operators were LU5HM, LU2NI, LU1NDC, LU3HY, LU5DX, and LU7HE. The 4th place South America and 5th worldwide went to CE4CT activated by CE4CT, CE3FZ, VE7SV, and LU1FAM.

Call sign	Score	QSOs	Mults.	160	80	40	20	15	10
PJ4G	12.474.567	12167	343	292/47	1152/58	1716/60	2233/60	3459/60	3345/58
PT5T	6.523.902	7416	297	0/0	261/53	1256/59	1506/62	2221/62	2172/61
LP1H	6.335.424	7820	272	0/0	110/36	773/55	2039/61	2305/60	2593/60
CE4CT	5.962.656	7515	266	0/0	76/32	994/56	1352/60	2247/59	2846/59

Con la participación de 9 estaciones desde Sudamérica en la categoría Multi-Single High Power (MSHP) el ganador del continente y a la vez 5to puesto mundial fue para LS1D Six Stars, operada por LU3CT, LW1DTZ, LW9EOC habiendo logrado trabajar casi 5000 comunicados y disfrutando de la excelente apertura de la banda de 10 metros. El 2do puesto en el continente fue para CE3G operada por CE3WDD y CE3WDH y el 3er puesto en el continente fue para CV5D activada por CX5BE, CX2ABC, CX1CW, CX6DAP, CX5BW, CX7BZ y CX6ABC.



LW9EOC, LU3CT, LU8EOT and LW1DTZ. (Photo LW9EOC)



CE3WDH and CE3WDD. (Photo CE3WDH)

With 9 participating stations from South America in the Multi-single High Power (MSHP), the winner of the continent and 5th worldwide as well was LS1D Six Stars operated by LU3CT, LW1DTZ, and LW9EOC. They worked almost 5000 contacts really enjoying the propagation in 10 meters. The second place in South America went to CE3G operated by CE3WDD and CE3WDH. The third place went to CV5D activated by CX5BE, CX2ABC, CX1CW, CX6DAP, CX5BW, CX7BZ, and CX6ABC.

Call sign	Score	QSOs	Mults
LS1D	3.938.517	4991	267
CE3G	1.939.140	2876	228
CV5D	1.741.500	2623	225
ZW8T	1.556.433	2424	219
L73D	1.491.240	2921	172
PV2T	873.810	1558	190
LU4AA	635.850	1384	157
LU1SAM	338.940	826	140
LQ4D	132.699	511	89

Llego el turno de una de las nuevas categorías, en este caso es la Multi-Single Low Power (MSLP) que obtuvo 3 participantes desde este continente. El 1er lugar en el mundo y record en la categoría fue para P40V operada por AI6V y W5AJ. El 2do lugar en el continente y 4to en el Top Ten mundial desde la provincia de La Pampa fue para el Radio Club Santa Rosa LU1UM operada por LU2UF, LU4ULT (17 años), LU5UAE (14), LU5UAS (16), LU5UBI, LU5UEV (17) y LU7UPD (13). Este grupo merece un párrafo aparte, el matrimonio Alex LU2UF y Carmen LU5UBI han operado con un grupo de adolescentes recientemente egresados del Radio Club Santa Rosa LU1UM; estos chicos tienen entre 13 y 17 años de edad y han demostrado un gran entusiasmo a la hora de participar en los concursos. Felicitaciones y esperamos seguirlos escuchando en cada concurso. El 3er lugar y 8vo en el mundo clasifico desde Paraná, Brasil PR5A operada por PY5AP, PY5AK, PY5UB y PU5UAI.

Now is the turn for the newest categories. First we have the Multi-single Low Power (MSLP) which had 3 participants from this continent. The first place worldwide and also record in the category was for P40V operated by AI6V and W5AJ (seen at right in this photo from W5AJ). The second place in the continent and fourth in the worldwide Top Ten went to Radio Club Santa Rosa LU1UM from La Pampa province. It was operated by LU2UF, LU4ULT (17 years old) LU5UAE (14), LU5UAS (16), LU5UBI, LU5UEV (17), and LU7UPD (13). This group deserves a special mention. The





marriage between Alex LU2UF and Carmen LU5UBI have been operated with a teenage group that graduated recently from the Radio Club Santa Rosa LU1UM. These kids are between 13 and 17 years old, and have shown great enthusiasm participating in the contests. Congratulations to



all and we expect hear more from you in the next contests. In third place in South America and eighth worldwide from Parana, Brazil PR5A, operated by PY5AP, PY5AK, PY5UB, and PU5UAI.

LU1UM team of LU5UEV (17), LU2UF, LU5UAE (14), LU5UAS (16), LU5UBI, LU7UPD (13) and LU4ULT (17) @LU1UM. (Years Old) (Photo LU2UF)

Call sign	Score	QSOs	Mults
P4ØV	5.498.106	5704	323
LU1UM	1.253.358	2376	179
PR5A	284.139	727	131

Ahora es el turno de comentar la participación de las estaciones Single-Op Assisted High Power (SOAHP) que este año se recibieron 16 planillas. El ganador Mundial de este año fue Wanderley, PY2MNL operando su licencia especial ZX2B, el 2do puesto fue para Juan Pablo, LU4DX habiendo obtenido a la vez el 4to puesto en la grilla mundial, seguido por Diego, LU8ADX activando su licencia especial AY8A con un 7mo lugar en el Top Ten.



Next is the turn of the Single-Op Assisted High Power (SOAHP) stations from which we received 16 logs. This year worldwide winner was Wanderley, PY2MNL (at left) operating his special call sign ZX2B.

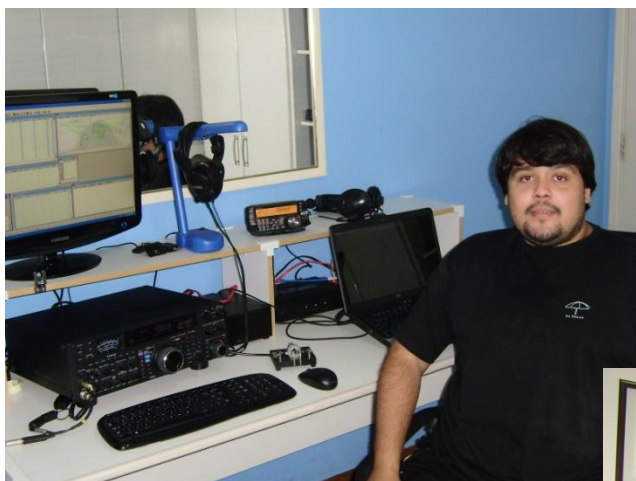


The second place in South America went to Juan Pablo, LU4DX (at right) who also got the fourth place worldwide, followed by

Diego, LU8ADX activating his special call sign AY8A and holding the seventh place world Top Ten.

Call sign	Score	QSOs	Mults
ZX2B (PY2MNL, op)	2.743.902	3857	238
LU4DX	2.410.644	3707	218
AY8A (LU8ADX, op)	1.342.980	2496	180
PY5KW	734.235	1610	155
LU5FF	677.364	1214	188
PY4RGS	663.060	1289	172
CE3P (CE3PG, op)	531.570	1230	145
LR4E (LW4EU, op)	414.888	2365	59
PY4OG	233.460	1306	60
PY3PA	130.416	428	104

Ahora el turno de la otra nueva categoría la SOAB Asistidos Low Power, la cual fue todo un éxito, ya que en la inauguración de esta categoría se recibieron 18 logs. El ganador mundial de esta nueva categoría fue Soni, PY1NX con casi 3000 QSOs y dejando 2.090.772 de puntos inaugurando el record para esta categoría, seguido en 2do lugar en el Top ten Mundial por Alex, PY2SEX y en 3er puesto mundial para Juan Manuel, YV5JBI operando su licencia especial YW5T.



The next new category is SOAB Assisted Low Power, a total success, from which we received 18 logs on this category inauguration. The worldwide winner was Soni, PY1NX (at left) with almost 3000 QSOs and 2,090,772 points setting the record for the category.

Soni was followed in second place in the Worldwide Top Ten by Alex, PY2SEX (at right) and in third place by Juan Manuel, YV5JBI operating his special call sign YW5T.



Call sign	Score	QSOs	Mults
PY1NX	2.090.772	2934	239
PY2SEX	1.731.828	2742	212
YW5T (YV5JBI, op)	1.162.935	1831	215
YV5EAH	616.476	1260	164
PY2VZ	332.856	853	134
LU7YZ	328.383	1060	107
PY2MTV	227.880	646	120
PY2XC	83.916	521	54
PU1KGG	80.712	477	57
PY2SE	80.568	379	72

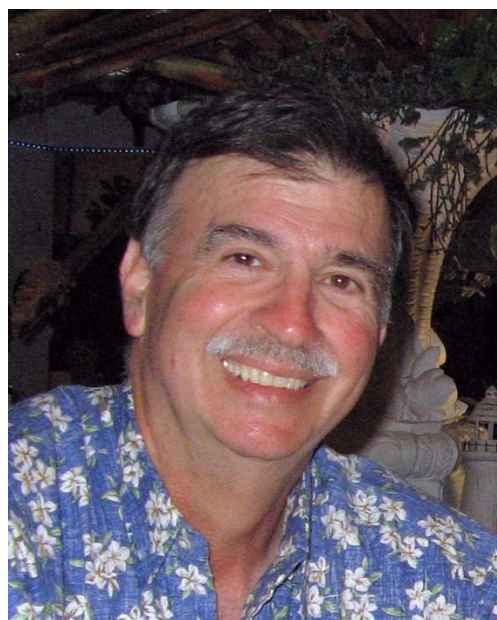
En la máxima categoría de un mono operador, la Single-Op High Power (SOHP), con un total de 17 logs recibidos, luego de un duelo entre PJ y P4, el 1er puesto Sudamericano resulto para John, K6AM desde PJ2T que a la vez obtuvo el 3er puesto mundial, el 2do lugar fue para Andy, AE6Y operando P49Y que califico en la grilla del Top Ten en el puesto 4to. En 3er lugar fue para Serge, RX3APM que salió desde Paramaribo como PZ5P quedando 8vo en el mundo y por ultimo desde la provincia de Santa Fe en Argentina, Jesús, LU5FC activando su licencia especial AY5F quedo 4to en el continente y 10mo en la grilla mundial.



In the top category of Single-Op High Power (SOHP) with a total of 17 logs received and after a match between PJ and P4, the first South American place went to John, K6AM (at left) from PJ2T who also won third place Worldwide.

Second place went to Andy

AE6Y (at right) operating from P49Y who qualified fourth place in the Top Ten. The third place went to Serge, RX3APM from Paramaribo as PZ5P and he also got eighth place Worldwide. Finally from the province of Santa Fe, Argentina Jesus, LU5FC activating his special call sign AY5F was fourth in the continent and tenth worldwide.





Call sign	Score	QSOs	Mults
PJ2T (K6AM, op)	8.512.776	8230	348
P49Y (AE6Y, op)	8.044.440	7816	344
PZ5P	4.868.394	5248	311
AY5F	3.355.848	4445	254
OA4SS	2.763.789	3587	259
PT7CB	1.758.276	3486	169
YV5AM	1.656.045	2133	261
CE1TT	1.252.080	2252	188
CX9AU	807.045	1582	173
LU4FLJ	769.284	1724	153

Habiendo recibido 31 planillas de en la categoría Single-Op Low Power (SOLP), siendo esta la categoría con mas participantes, el ganador Sudamericano y 6to en el mundo fue Rafael, PY2NDX, el segundo lugar fue para Johnny, YV5KG que a la vez obtuvo el 7mo lugar en el Top Ten de la categoría y el 3er sudamericano clasificado y 10mo en la grilla mundial fue Vitor, PY2NY.



In the Single-Op Low Power (SOLP) which was the one with more participants with 31 logs received, the South American winner and sixth Worldwide was Rafael, PY2NDX (at left).

Second place went to Johnny, YV5KG (at right) who also got seventh place in the Top Ten in the category. The third place in South America and tenth Worldwide was Vitor, PY2NY.



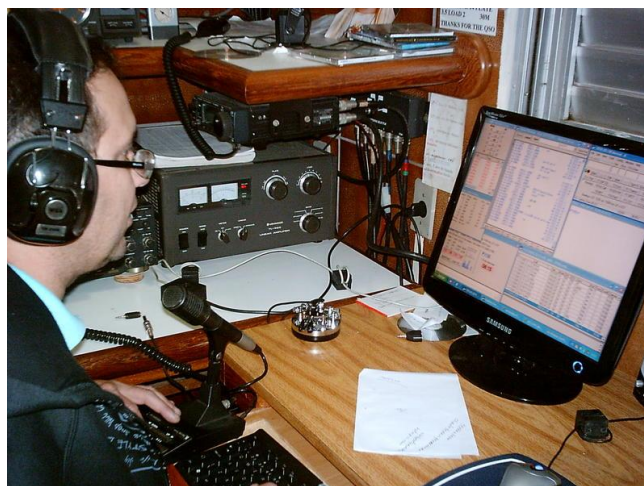
Call sign	Score	QSOs	Mults
PY2NDX	1.978.728	2853	232
YV5KG	1.835.856	3025	209
PY2NY	1.047.252	1780	197
LO7H (LU7HW, op)	917.331	1852	167
LW3DN	513.000	1171	150
XQ1KY	477.162	1087	147
HK3O	431.964	935	156
HK3/KC2LSD	428.076	1077	138
PY2LED	418.728	963	146
PT7ZT	398.259	979	137

En la categoría Single-Op QRP (SOQRP), participaron 4 estaciones desde este continente, el primer lugar en el mundo fue para John, KK9A operando P40A, que aparte de haber ganado la categoría ha destruido tambien el Record Sudamericano que tenia HD8A (HC1HC) desde 2004 y el record Mundial que tenia V7A (V73C) desde 1993 por un 58%. El 2do lugar continental y 3ro en el mundo fue para José, PU5ATX, seguido por Francisco, LU1VK que obtuvo el 3er puesto en el continente y 7mo en el Top Ten Mundial.



In the Single-Op QRP (SOQRP) category, we had 4 participants from this continent. The first place Worldwide was John, KK9A (at left) operating from P40A; he not only won in his category but also destroyed the South American record set by HD8A (HC1HC) in 2004 and the World record by a 58% who had V7A (V73C) since 1993.

The second place in the continent and third Worldwide went to Jose, PU5ATX (at right), followed by Francisco, LU1VK who got third place in the continent and seventh in the World Top Ten.





Call sign	Score	QSOs	Mults
P4ØA (KK9A, op)	3.073.275	3941	261
PU5ATX	94.710	582	55
LU1VK	34.821	161	73
PY4ZO	36	4	3

Entrando ahora en las categorías Mono banda, comenzamos por la banda de 10 metros que durante este concurso se pudo apreciar una gran mejoría en la propagación, es así que este año se recibieron 28 planillas desde Sudamérica.

In the Single band categories, we will start with the 10 meter band in which during this contest we could see an improvement in the propagation. As a result, we received 28 logs from South America.

En Single-Op Single-Band 10 (SOSB10) este año la categoría el ganador mundial fue Walter, PP5WG activando su licencia especial PW5G. Con 2do puesto sudamericano y mundial se ubico Roberto, LU2FA operando LR2F, seguido por ZW5B operada por Luciano, PY5KD con el 3er puesto en el Top Ten Mundial.



In Single-Op Single-Band 10 (SOSB10) this year's winner in the category was Walter, PP5WG (above at right) activating his special call sign PW5G. The South American second place and also second Worldwide was Roberto, LU2FA (below at right with Diego LU8ADX/AY8A in this photo by LU5FF) operating LR2F, followed in third place in the World Top Ten by ZW5B operated by Luciano, PY5KD.

Call sign	Score	QSOs	Mults
PW5G (PP5WG, op)	535.320	2994	60
LR2F (LU2FA, op)	486.540	2723	60
ZW5B (PY5KD, op)	444.240	2492	60
PW2D (PY2ZXU, op)	402.984	2332	58
PY2ZEA (OH2MM, op)	362.880	2023	60
PP5KR	308.334	1765	59
PY5ZD	222.642	1310	57
LU6FOV	207.816	1246	56
PU2LEP	184.296	1104	56
LW7DX	136.116	803	57



En Single-Op Single-Band 15 (SOSB15), con 12 logs recibidos el ganador continental de la categoría con más de 3000 QSOs, fue Sergio, PP5JR operando su gran estación “Morro da Boa Vista” ZX5J, que a la vez obtuvo el 2do puesto en el Top Ten mundial, en el 2do puesto en Sudamérica y 7mo en el mundo quedó Jorge, HK1R, y en 3er puesto quedo Fabio, PY2BK.



In Single-Op Single-Band 15 (SOSB15) with 12 received logs, the continent winner was Sergio, PP5JR with more of 3000 QSOs from his station in “Morro da Boa Vista” ZX5J who also got the second place in the World Top Ten.

Single-band entrants PR5B (PY2LSM) 20m - ZX5J (PP5JR) 15m - PW5G (PP5WG) 10m (Photo PP5WG)

In second place in South America and seventh worldwide was Jorge, HK1R (at right), and in third was Fabio, PY2BK.

Call sign	Score	QSOs	Mults
ZX5J (PP5JR, op)	537.840	3013	60
HK1R	345.960	1951	60
PY2BK	293.400	1644	60
CX2DK	225.180	1257	60
PP1CZ	204.258	1173	59
4M1F (YV1JGT, op)	121.014	760	54
PY2EX	93.960	545	58
PY2BRA	86.973	553	53
PV8DR	48.804	348	49
LU3DK	34.500	251	46



En Single-Op Single-Band 20 (SOSB20) con 19 logs recibidos en esta categoría y revirtiendo el resultado del año pasado en el que ningún sudamericano había ingresado en el Top Ten de esta categoría, este año el ganador mundial de la categoría ha sido Pedro, HK1X con más de 3000 QSOs y 61 multiplicadores, Ramón, YV5EED califico 2do en Sudamérica y 3ro en el Top Ten mundial y el 3er lugar fue para Alan, PY2LSM activando su licencia especial PR2B.



In Single-Op Single-Band 20 (SOSB20) with 19 logs received in this category and reversing last year's results in which no South American had entered the Top Ten this year the World winner is Pedro, HK1X (at left) with more of 3000 QSOs and 61 multipliers.

Ramon, YV5EED (at right) qualified second in South America and third in the World Top Ten. The third place was Alan, PY2LSM activating his special call sign PR2B.



Call sign	Score	QSOs	Mults
HK1X	546.987	3022	61
YV5EED	434.700	2439	60
PR2B (PY2LSM, op)	368.820	2060	60
PT2CM (PT2FE, op)	271.440	1541	60
9Y4D	224.082	1290	59
ZP5RPO	131.841	788	57
PR7AR	106.704	641	57
LR1H	92.736	563	56
HC2A	87.804	552	54
YV8AD	77.064	497	52

En Single-Op Single-Band 40 (SOSB40) con 4 logs recibidos desde Sudamérica y también una gran sorpresa, puesto que el ganador mundial fue Jham, HK1T ha batido el record continental que tenía N6TJ desde 9Y4AA (1986) y el record mundial que tenía OH2BH desde CR2X (2010), luego en 2do lugar continental y 8vo mundial fue para Alberto, HC2AQ y en 3er lugar continental fue para Dany, YY5EDG.



In Single-Op Single-Band 40 (SOSB40) with 4 logs received from South America and a great surprise, because the World winner was Jham, HK1T (at right) beating the former record set by N6TJ from 9Y4AA in 1986 and also the record set by OH2BH from CR2X in 2010.



The second place in the continent and eighth Worldwide went to Alberto, HC2AQ, and the third place went to Dany, YY5EDG.

The HC2AQ station (Photo courtesy of HC2AQ)

Call sign	Score	QSOs	Mults
HK1T	495.954	2806	59
HC2AQ	179.655	1042	59
YY5EDG	123.975	739	57
4M6CQ (YV6BXN, op)	68.112	484	48

En Single-Op Single-Band 80 (SOSB80) con 1 un solo log recibido desde Sudamérica, el 1er puesto para este continente fue para Juan Carlos, LU2DVI.

In Single-Op Single-Band 80 (SOSB80) with only one log received from South America the first place in the continent was Juan Carlos, LU2DVI.

Call sign	Score	QSOs	Mults
LU2DVI	2.574	39	22

En Single-Op Single-Band 160 (SOSB160) este año no ha habido participación en la categoría desde el continente Sudamericano.

In Single-Op Single-Band 160 (SOSB160) this year has not been any participant from South America in this category.

Queremos agradecer especialmente a los que han donado las placas para los ganadores de cada categoría y en especial a las que han quedado en el continente sudamericano.

Special thanks to those who have donated plaques for the winners for each category, especially those plaques who remained in the South American continent.

Plaque Category	Plaque Sponsor	Winner
World 7 MHz Phone	Jim Rafferty, N6RJ Memorial - Cayman ARS	HK1T
World 28 MHz Phone	North Shenandoah DX Association NS4DX	PW5G (Op. PP5WG)
World Single Operator Assisted, High Power Phone	Southern California DX Club	ZX2B (Op. PY2MNL)
World Multioperator Two Transmitters Phone	W6NL and K6BL	PJ4G