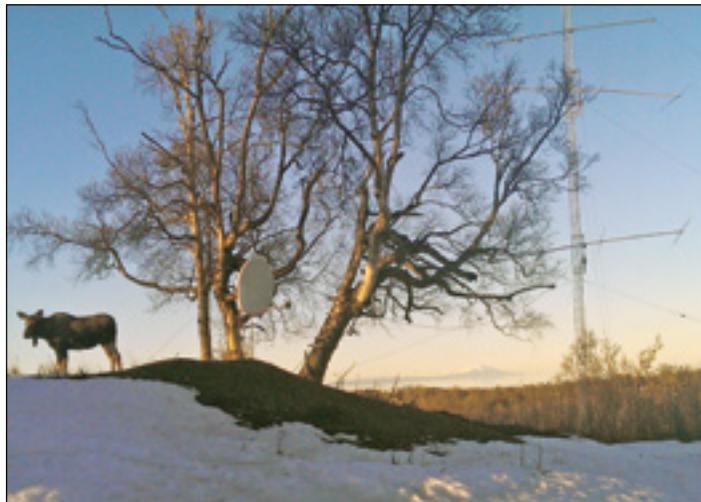


2014 ARRL International DX Phone Contest Results

Solar mini-max? There's nothing "mini" about this year's results!

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After the marginal conditions in ARRL DX Phone last year, hopes were high that Sol would come through on March 1st and 2nd, providing good 10 and 15 meter openings for those of us at higher latitudes. Even given the infamously low "mini-max" sunspot peak of Solar Cycle 24, our fusioning friend did not disappoint. Solar flux was in the 160s, coinciding almost exactly with this cycle's peak. Participants were blessed with a wonderfully calm A index of 7 on Saturday and an even better 5 on Sunday.



This KL7RA guest operator (MØOSE?) seemed to agree that 10 meter conditions were great — and hung around the 10 meter tower in the background for most of the weekend! [David Case, KA1NCN, photo]

Deserving DXers around the world consistently reported excellent high band conditions. KC8IMB reported that 10 meters "was wall-to-wall all weekend." On the other hand, what is gained on 10 meters is sometimes lost on the low bands. KM1R asked, "Did someone turn off the 160 meter band on the first night?" Nevertheless, a few stations reported increasing their country total on 160 meters.

Such good conditions provided a lot of fun. Who wouldn't enjoy 2 days of six-band DX? The Soapbox comments were filled with words like "fantastic," "exciting," "super," "hot," and many instances of the phrase "first time for..."

2014 also smashed the participation record with a new record of 4131 logs — 586 more than last year! (There was an increase of 10% in both groups: 2053 W/VE logs, and 2078 DX logs.) 1,136,632 QSOs were reported by DX stations for an increase of almost 261,000 over 2013. That's up by an amazing 29%! W/VE logs contained 898,279 (691,336) QSOs for a similarly impressive increase. Be part of it all; claim your 15 minutes of fame and send in that log!

High Band Hullabaloo

This year was a sunspot peak, so the big topic has to be 10 meters. Master contester W3BGN took W/VE Single Op, Single Band honors on 10 meters last year with 247k. This year, an amazing 22 entries bettered Steve's score, peaking at 825k. Some fun, eh?

For DX, the top three Single Op, Single Band 10 meter scores, starting at 718k, beat last year's winner of 557k. More significantly, the top four 10 meter scores last year were all in South America. This year, the top four, respectively, were from South America, Europe,

North America, and Europe. Now that's a solid indicator of good propagation!

How about new 10 meter overall records? Sorry, not for W/VE. Even at this sunspot maximum, top stations could not quite compete with overall 2000/2002 records. But things were great in the north-east, with new district highs set in W1, W2, and W3. An aging record from Solar Cycle 21 was broken this year, with K2SSS smashing the 2nd district Single-Band 10 meter record, set in 1982. In DX land, only the top European entrant set a continental record on 10 meters. Let's look forward to improv-

ing more of these figures in Solar Cycle 25.

But let us not forget 15 meters. The winning W/VE 15 meter score of 811k and the next three competitors easily beat last year's 527k. For DX entrants, 15 meter scores were very similar to last year with the winner at 665k, down slightly from last year's 673k. Clearly, 15 meter scores are not as sensitive to the magnitude of the sunspot peak.

Record New Records

This was a record year for records! Forty-four new records were set in 2014, 17 of which were in either in SOULP or MSL. Thirty-four were set in W/VE and 10 by DX stations. Particularly noteworthy are the seven all-time records set this year:

- VY2ZM — W/VE SOHP
- N1UR — W/VE SOLP
- W4AAA (KK9A, op) — W/VE SOSB-40
- K4XS — W/VE SOUHP
- W6AAN — W/VE SOULP
- N1BA — W/VE MSLP
- PJ6A — DX MSLP

Category Abbreviations

SOHP/LP/QRP	— Single Op, All Band
SOUHP/LP	— Single Op Unlimited
SOSB	— Single Op, Single Band
MSH/L	— Multiop, Single Transmitter
M2	— Multiop, Two Transmitter
MM	— Multiop, Multi-Transmitter

Accuracy Leaders

Bold indicates a new record

W/VE

Single Op

Call	Category	QSOs	Error %	Index
K1TO	SOHP	4037	0.4	13.566
VY2ZM	SOHP	4762	1.3	13.548
N1UR	SOHP	3590	0.7	13.485
K3CR (LZ4AX, op)	SOHP	3292	0.7	13.447
XL3A (VE3AT, op)	SOHP	3086	0.6	13.429

Single Op Unlimited

K4XS	SOUHP	4607	0.6	13.603
VY2TT	SOUHP	3769	0.6	13.516
AA3B	SOUHP	3409	0.6	13.473
K3WW	SOUHP	3952	1.6	13.437
KN2M	SOUHP	3138	1.0	13.397

Multiop

K3LR	MM	9430	0.0	13.822
W3LPL	MM	8464	1.0	13.776
WE3C	MM	8092	0.9	13.621
W2PV	MM	6505	1.0	13.567
W4RM	MM	5473	1.5	13.518

DX

Single Op

8P5A (W2SC, op)	SOHP	8969	0.3	13.923
KP2M (N2TK, op)	SOHP	7136	0.3	13.823
YN5Z (K7ZO, op)	SOHP	6722	0.3	13.797
V26M (N3AD, op)	SOHP	6336	0.7	13.732
KH7M (NA2U, op)	SOHP	5727	0.6	13.698

Single Op Unlimited

P40P (W5AJ, op)	SOUHP	5472	0.5	13.688
OK7K (OK1BN, op)	SOUHP	4658	0.5	13.618
IR4M (IK4MGP, op)	SOUHP	4466	0.4	13.610
EC2DX	SOUHP	4752	1.2	13.557
SP8R (SP8BRQ, op)	SOUHP	3943	0.7	13.526

Multiop

P40L	M2	13236	0.3	14.092
PJ4G	M2	11533	0.4	14.022
CN2AA	M2	11575	0.7	13.994
KH7XX	M2	9310	0.0	13.969
VP5H	MSHP	8957	0.5	13.902

Low band aficionado VY2ZM set a new record in the prestigious SOHP category. Jeff broke his own VE record from 2004, and the overall W/VE record, with a score only 3% less than the Single Op Unlimited category winner. His multiplier of 49 on 160 meters certainly helped. If you think you need a DX

Joining the surge of big SOU scores is W6AAN, who obliterated the SOULP record set in 2011. Also joining Vasily in breaking the previous mark were KT4ZB with 2.07M, N2WKS with 1.76M, and N2SQW with 1.74M.

spotting network to make big points, think again!

Low power champion N1UR also set a new SOLP mark, breaking his own 2013 1st district record, and the overall W/VE record set by K4XS in 2001. He noted, "Most amazing ARRL DX SSB conditions experienced here for 12 years here. It was a thrill to be part of it." Ed, if I made 3590 QSOs without an amplifier, I'd be thrilled too!

W4AAA, with contest veteran KK9A operating, smashed the 40 meter single band record. John topped it by 40%, moreover, during a part of the sunspot cycle not usually associated with 40 meter excellence.

Super-scoring regular K4XS apparently did not take the loss of his SOLP record lying down. Bill took the big SOUHP crown this year with a record-setting 7.16M. Bill broke a record standing since 2000 by an impressive 24%! In fact, Single Op Unlimited veteran K3WW also broke the previous record with 6.06M. It's great to see such strong efforts being made in the SOU categories.

N1BA rounds out the trifecta of stations breaking their own district records and the all-time figure. Lee and his team's 2.6M edged out the score set last year by NR4M in the Multi-Single, Low Power category. In this very close race, VE9ML and team also beat the previous record with their 2.57M.

Last but certainly not least is the PJ6A team, who topped the 2011 DX Multi-Single, Low Power record set by P40V. It certainly will not be easy to top their 6.08M, but the Caribbean is never short of strong efforts. Who wouldn't want to go there in March?

All of the ARRL contest records are available online at arrrl.org/contest-records. More than 400,000 scores are included in the K5TR Contest database, too (kkn.net/~k5tr/scoredb). The best way for you to show your admiration for a record is to break it. Give it a try!

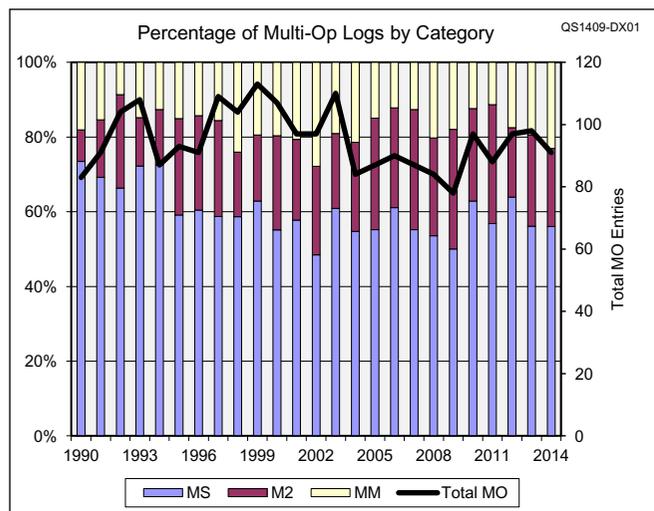
Accurate Operating

Hams are communicators and few of us would deny that accuracy is key. Getting the call and exchange right is important. Make the extra effort and ask for a fill when you need it. Penalties are assessed for errors to reward good operating habits. So boost your score by getting the call sign right!

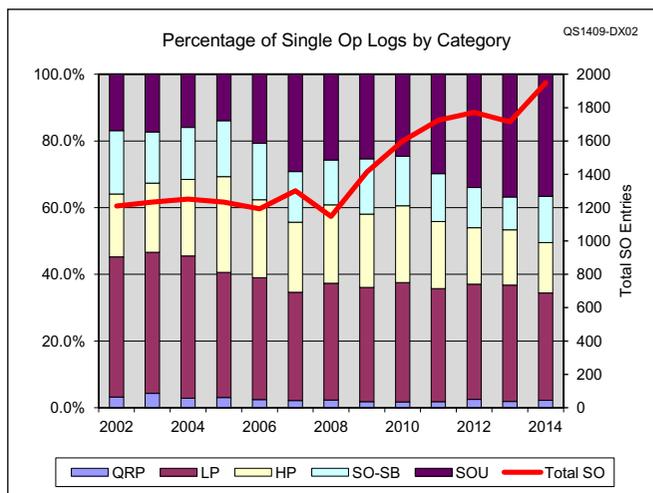
The table lists the top five Accuracy Indexes achieved by HP and LP single- and multi-op stations this year along with the corresponding all-time records. (For more information about the Accuracy Index and all-time accuracy records, see the full results at www.arrrl.org/contest-results-articles.)

DXing Trophies

There are even more achievements to celebrate. The top multiplier totals keep growing



The relative levels of activity among W/VE single op categories along with the trend of increasing number of submitted logs since 2008.



This chart shows the relative levels of activity among W/VE single-op categories along with the trend of increasing number of submitted logs since 2008.

Top Ten

W/VE

Single Operator High Power

VY2ZM	6,949,614
K1TO	5,253,930
K3CR	
(LZ4AX, op)	4,445,289
XL3A	
(VE3AT, op)	3,648,348
NR5M	3,629,304
AA1K	3,476,400
K4AB	3,272,904
K3ZJ	2,985,285
K3ZO	2,798,640
K0TT	2,281,686

Single Operator Low Power

N1UR	4,708,275
W9RE	2,502,984
NA5NN	
(N5BO, op)	2,502,927
N5AW	2,453,802
N8AV	2,355,240
N4TZ	2,069,613
N8II	2,057,544
W4IX	2,021,370
VA3SWG	898,776
W2TF	887,364

Single Operator QRP

W1MR	654,678
ND0C	443,466
N1TM	437,760
W6QU	
(W8QZA, op)	295,086
NT4TS	256,620
KA8SMA	203,634
KK0Q	175,050
N4IJ	172,845
N8HP	107,352
N8XA	96,558

Single Operator Unlimited, High Power

K4XS	7,160,103
K3WW	6,066,816
VY2TT	5,221,392
AA3B	4,930,992
N2NT	
(W2GD, op)	4,704,768
KN2M	4,444,575
N2MM	3,872,451
W1UE	3,590,028
K3PP	3,195,360
K3MD	3,138,585

Single Operator Unlimited, Low Power

W6AAN	2,291,769
KT4ZB	2,069,949
N2WKS	1,759,914
N2SQW	1,743,948
KS1J	1,238,541
WE9R	1,193,976
W3KB	1,154,340
AA4R	1,136,364
KA2KON	1,116,297
NA4EA	844,560

Single Operator 160 Meters

W2MF	11,868
W3LL	10,212
KM1R	6,552
W2VO	3,960
K3UL	3,420
WB4WXE	3,306
WD5COV	2,349
K1HAP	2,175
N1SZ	918
K7CW	390

Single Operator 80 Meters

K1KNQ	23,607
W4QNW	20,355
W4DD	16,380
WA4TII	14,040
K4CC	10,212
K9JDC	3,510
WD8E	429
N0TA	390
N6DZR	330

Single Operator 40 Meters

W4AAA	
(KK9A, op)	398,718
W1XX	176,880
W1FQ	85,878
AG4W	66,597
VE3FU	48,762
K8DJC	41,412
W6RKC	39,015
KE3X	35,376
WD0BGZ	24,660
W8FR	20,736

Single Operator 20 Meters

KB3WD	610,854
W8TA	537,810
W7WA	475,068
VE9HF	363,852
WA8UEG	339,066
W1AVK	102,120
K6HNZ	83,853
VE3CR	65,016
K4TRH	59,778
W4RRE	59,049

Single Operator 15 Meters

VE3EJ	811,422
K1DG	774,360
KU2M	749,322
K5RX	580,116
AB4B	320,832
WA7LT	226,596
K1JB	199,320
N9TRG	195,738
N2UN	193,011
W8JGU	166,161

Single Operator 10 Meters

K1LZ	
(K3JO, op)	825,084
N4PN	707,616
K1ZR	651,309
K2SSS	629,391
K5TR	
(K5OT, op)	594,720
N3OC	592,710
VE9AA	553,446
VE3DZ	520,866
K9BGL	516,660
W3EP	457,065

Multi-Single Transmitter High Power

WW4LL	5,589,657
N1RR	5,085,762
W1TJL	4,531,563
W3MF	3,318,975
AD4ES	2,729,610
W8PR	2,569,560
K5UA	1,838,025
VA2EN	1,687,359
WN2O	1,440,000
K7ZS	1,287,072

Multi-Single Transmitter Low Power

N1BA	2,598,174
VE9ML	2,574,936
N4XL	1,577,616
N5DO	1,473,120
W3ZGD	892,038
K9LA	596,700
KC8IMB	190,629
AJ4DT	188,784
W3WN	142,809
W3KWH	110,625

Multi-Two Transmitters

KB1H	6,657,732
W6WB	4,573,050
K2AX	4,034,880
WA3EKL	3,873,936
W2YC	3,707,721
KU2C	3,187,002
N0IJ	3,132,576
W4ML	2,436,822
W1QK	2,090,943
N0MA	2,071,380

Multi-Multi Transmitters

K3LR	19,435,230
W3LPL	16,890,030
WE3C	15,637,536
W2PV	11,310,783
W4RM	8,731,800
N6RO	5,196,030
K0TV	5,185,440
K1KP	4,475,310
W0AIH	3,747,810
NE3F	3,360,168

DX

Single Operator High Power

8P5A	
(W2SC, op)	9,338,580
KP2M	
(N2TK, op)	7,046,820
V26M	
(N3AD, op)	6,156,510
YN5Z	
(K7ZO, op)	5,933,040
KH7M	
(NA2U, op)	5,027,400
TO5A	
(F5VHJ, op)	4,344,084
OA4SS	3,557,952
S54ZZ	2,883,072
3V8BB	
(KF5EYY, op)	2,795,118
EA5DFV	2,783,991

Single Operator Low Power

VP2MLL	
(K1XX, op)	4,844,301
VP9/W6PH	4,792,560
J75Y	
(K1LI, op)	4,107,996
V31MA	1,598,544
PJ7AA	1,268,703
KH6CJJ	1,241,625
KP2DX	
(KP2BH, op)	1,065,213
PY2NV	1,059,060
XE1XOE	921,015
8P6EX	798,252

Single Operator QRP

F5BEG	168,504
IK6FWJ	103,320
SP6JOE	86,670
CT1BXT	81,432
IK1BBC	55,335
JH1APZ	46,968
F4GVZ	46,899
IV3DDN	46,452
JR4DAH	45,576
JH1OGC	44,712

Single Operator Unlimited, High Power

P40P	
(W5AJ, op)	5,210,865
OK7K	
(OK1BN, op)	4,033,320
EC2DX	3,900,708
IR4M	
(IK4MGP, op)	3,763,854
ED7W	
(EA7OT, op)	3,429,540
EA5KA	3,295,596
NP2X	
(K9VV, op)	3,064,068
SP8R	3,020,778
(SP8BRQ, op)	
EI1Y	
(EI3KG, op)	2,993,250
EA6FO	
(EA3AIR, op)	2,957,172

Single Operator Unlimited, Low Power

8P2K	
(8P6SH, op)	1,042,320
YV8AD	988,380
DF2SD	826,233
EF1A	
(EA1XT, op)	724,845
UR5AS	588,468
DF7ZS	460,824
3G1D	
(XQ1FM, op)	404,016
GI4SJK	391,524
NP4RA	386,409
OM5XX	279,705

Single Operator 160 Meters

KV4FZ	59,976
XE2X	31,878
CU2CE	30,240
SP3GTS	3,363
SO8L	
(SQ8JLU, op)	720
DL2SAX	189

Single Operator 80 Meters

CR2A	236,619
FM5DN	110,055
CO6CAC	85,350
YT4A	
(YT1AA, op)	31,635
ED7P	22,560
SN7V	
(SP7VC, op)	12,948
OM7RU	4,221
UT7E	
(UV5EOZ, op)	3,960
7Z1SJ	1,224
IT9EWR	630

Single Operator 40 Meters

TM9R	
(F5FLN, op)	280,545
9A2NA	238,056
US1I	
(UX2IO, op)	128,232
OA4/XQ3SA	116,232
CE3EEA	113,796
KP4BD	110,880
9A9R	102,300
EA3CI	94,446
XE1OGG	54,927
SQ9HZM	47,799

Single Operator 20 Meters

6Y3M	
(VE3NZ, op)	621,285
OZ7X	468,348
PJ4D	459,846
EB3CW	425,292
HK3C	404,064
FM5FJ	402,120
ZY5M	
(IV3NVN, op)	351,912
TM4L	
(F8ARK, op)	288,408
PX2F	
(PY2PT, op)	260,898
YT1A	245,892

Single Operator 15 Meters

FY5FY	664,578
EE8T	
(EA8MT, op)	635,004
LX7I	
(LX2A, op)	490,806
CR6T	
(CT1ESV, op)	483,852
CQ8X	
(OH8NJ, op)	448,899
PX2B	
(PY2LED, op)	443,520
CE3/OZ1AA	
(OZ1AA, op)	433,161
PW5G	
(PP5WG, op)	428,172
9A1UN	395,829
EF7X	387,228

Single Operator 10 Meters

PX5E	717,960
CR2X	
(OH2BH, op)	667,401
NP2P	
(N2TTA, op)	575,820
MW0ZZK	557,418
CE3CT	519,903
ZV2K	
(PY2SHF, op)	491,580
PJ4DX	475,434
TM0T	464,628
9A9A	409,320
9A8WW	
(S55M, op)	378,180

Multioperator Single Transmitter High Power

VP5H	9,417,408
PJ2T	9,357,327
HK1NA	8,793,675
C6ANA	7,597,395
TM6M	6,937,245
XE7S	6,535,230
CS2C	5,921,676
T48K	5,862,672
TO22C	5,240,550
PI4DX	4,101,300

Multioperator Single Transmitter Low Power

PJ6A	6,083,181
PY1GQ	1,856,475
H13K	1,672,668
T42R	1,630,950
WP3DX	1,601,760
ZW8T	1,177,416
ZR9C	771,630
PY5FO	538,005
PY2ZR	281,952
RT4S	114,345

Multioperator Two Transmitters

P40L	13,938,144
PJ4G	12,264,912
CN2AA	11,667,084
T18M	8,798,973
KH7XX	8,602,440
KL7RA	7,244,517
KH6LC	6,338,736
S57UN	3,716,979
YU5R	2,909,808
LU8YE	2,554,911

Multioperator Multi Transmitters

I19P	7,466,391
LP1H	6,049,953
HG1S	5,431,968
JA3YBK	3,454,908
C6ANM	3,015,699
KL2R	1,439,955
JE1ZWT	1,091,196
LI5O	581,544
9A5BWW	339,465

Continental Leaders

Continent	Call	Score	Continent	Call	Score
Africa			North America		
Single Operator High Power	3V8BB (KF5EYY, op)	2,795,118	Single Operator High Power	8P5A (W2SC, op)	9,338,580
Single Operator Low Power	7X5QB	387,918	Single Operator Low Power	VP2MLL (K1XX, op)	4,844,301
Single Operator Unlimited, High Power	CN8WW	9,000	Single Operator QRP	KP3BR	270
Single Operator Unlimited, Low Power	EA8BZH	43,803	Single Operator Unlimited, High Power	NP2X (K9VV, op)	3,064,068
Single Operator 15 Meters	EE8T (EA8MT, op)	635,004	Single Operator Unlimited, Low Power	8P2K (8P6SH, op)	1,042,320
Single Operator 10 Meters	EA8TX	221,154	Single Operator 160 Meters	KV4FZ	59,976
Multi-Single Transmitter, Low Power	ZR9C	771,630	Single Operator 80 Meters	FM5DN	110,055
Multi-Two Transmitters	CN2AA	11,667,084	Single Operator 40 Meters	KP4BD	110,880
Asia			Single Operator 20 Meters	6Y3M (VE3NZ, op)	621,285
Single Operator High Power	JA0JHA	2,354,400	Single Operator 15 Meters	KP4RV	212,580
Single Operator Low Power	JH4UYB	410,733	Single Operator 10 Meters	NP2P (N2TTA, op)	575,820
Single Operator QRP	JH1APZ	46,968	Multi-Single Transmitter, High Power	VP5H	9,417,408
Single Operator Unlimited, High Power	JS3CTQ	1,319,025	Multi-Single Transmitter, Low Power	PJ6A	6,083,181
Single Operator Unlimited, Low Power	BG2AUE	161,568	Multi-Two Transmitters	T18M	8,798,973
Single Operator 80 Meters	7Z1SJ	1,224	Multi-Multi Transmitters	C6ANM	3,015,699
Single Operator 40 Meters	JH9URT	43,215	Oceania		
Single Operator 20 Meters	RK9QWM	86,130	Single Operator High Power	KH7M (NA2U, op)	5,027,400
Single Operator 15 Meters	JR1CBC	261,873	Single Operator Low Power	KH6CJJ	1,241,625
Single Operator 10 Meters	J11LET	168,777	Single Operator QRP	ZM2IO	3,330
Multi-Single Transmitter, High Power	RT0F	2,053,278	Single Operator Unlimited, High Power	VK4QH	757,701
Multi-Single Transmitter, Low Power	BY1CQ	756	Single Operator Unlimited, Low Power	YE1NZ (W7NZ, op)	75,621
Multi-Two Transmitters	JK1YMM	1,995,480	Single Operator 40 Meters	YD9RWY	744
Multi-Multi Transmitters	JA3YBK	3,454,908	Single Operator 20 Meters	VK7GN	21,720
Europe			Single Operator 15 Meters	NH2DX (KG6DX, op)	199,578
Single Operator High Power	S54ZZ	2,883,072	Single Operator 10 Meters	YC9WIC	46,011
Single Operator Low Power	CT1ETK	418,110	Multi-Single Transmitter, High Power	VK2BD	15,624
Single Operator QRP	F5BEG	168,504	Multi-Single Transmitter, Low Power	DX1PUP	2,400
Single Operator Unlimited, High Power	OK7K (OK1BN, op)	4,033,320	Multi-Two Transmitters	KH7XX	8,602,440
Single Operator Unlimited, Low Power	DF2SD	826,233	South America		
Single Operator 160 Meters	CU2CE	30,240	Single Operator High Power	OA4SS	3,557,952
Single Operator 80 Meters	CR2A	236,619	Single Operator Low Power	PY2NY	1,059,060
Single Operator 40 Meters	TM9R (F5FLN, op)	280,545	Single Operator QRP	PY2BN	4,680
Single Operator 20 Meters	OZ7X	468,348	Single Operator Unlimited, High Power	P40P (W5AJ, op)	5,210,865
Single Operator 15 Meters	LX7I (LX2A, op)	490,806	Single Operator Unlimited, Low Power	3G1D (XQ1FM, op)	404,016
Single Operator 10 Meters	CR2X (OH2BH, op)	667,401	Single Operator 40 Meters	OA4/XQ3SA	116,232
Multi-Single Transmitter, High Power	TM6M	6,937,245	Single Operator 20 Meters	PJ4D	459,846
Multi-Single Transmitter, Low Power	RT4S	114,345	Single Operator 15 Meters	FY5FY	664,578
Multi-Two Transmitters	S57UN	3,716,979	Single Operator 10 Meters	PX5E	717,960
Multi-Multi Transmitters	I19P	7,466,391	Multi-Single Transmitter, High Power	PJ2T	9,357,327
			Multi-Single Transmitter, Low Power	PY1GQ	1,856,475
			Multi-Two Transmitters	P40L	13,938,144
			Multi-Multi Transmitters	LP1H	6,049,953

with lots of activity from around the world from difficult DXCC entities on the air. And of course, 10 meter operators were especially happy this year.

The top four DX multiplier champions were a repeat from last year, with P40L joining the list: HK1NA (363), PJ2T (357), PJ4G (356), VP5H (352), P40L (352). That's a lot of states and provinces!

The best DXCC entity totals acquired by a Multiop and Single Op entry are listed below. Can Five-Band DXCC in a weekend be far off? Just a little more 80 meter activity and this dream will come true.

160: K3LR — 60 (MM);
VY2ZM — 49 (SOHP)

80: W3LPL — 90 (MM);
K4XS — 68 (SOUHP)

40: K3LR — 116 (MM);
W4AAA (KK9A, op) — 102 (SOSB-40)

20: K3LR — 147 (MM);
W8TA — 130 (SOSB-20)

15: K3LR — 139 (MM);
VE3EJ — 122 (SOSB-15)

10: K3LR — 136 (MM);
K1LZ (K3JO, op) &

W6YI — 123 (SOSB-10 & SOUHP)

The Top Tens

The tables tell the story, of course, and we note the winners of several popular categories here, W/VE and DX. More discussion and coverage is available in the full version of the results at www.arrl.org/contest-results-articles.

Single-Op, All-Band

From the US-Canadian side, VY2ZM set a new all-time SOHP record and took the category for the 11th year out of the past 12. He comfortably passed frequent high-flyer K1TO, who in turn prevailed over K3CR (LZ4AX, op). XL3A (VE3AT, op) and NR5M made a close showing for fourth and fifth place, respectively. The domination of the northeast is just a bit less apparent this year, thanks to excellent conditions.

From the DX side, 8P5A (W2SC, op) is our repeat SOHP winner, surpassing his 2013 score. This is Tom's fifth win in a row and seventh out of the past 13 years. 8P5A managed 9.3M, 2.3M greater than the 2nd place finisher. KP2M (N2TK, op). Tony is a Frankford RC contesting veteran and repeats his Top Ten placement of last year. As does #3, V26M (N3AD, op), another FRC DXpedition veteran. YN5Z (K7ZO, op)

places #4 and is another repeat placer. KH7M made the #5 mark, still surpassing the 5M mark.

As we saw in the record listings, N1UR (VT) continues to dominate W/VE SOLP with a sixth straight win; the longest in the contest. Ed's score would have placed 3rd in the SOHP Top Ten. That is truly an amazing achievement! The next four spots were placed quite closely, representing IN (W9RE), MS (NA5NN — N5BO, op), STX (N5AW), and MI (NA8V), all of whom would have made the SOHP Top Ten box this year!

In the DX SOLP competition, VP2MLL (K1XX, op) takes the gold in this category with VP9/W6PH only 1% behind to claim silver. Being close to the East Coast, VP9/W6PH dominated 40 and 20 meters, but the better 15 and 10 meter scores at VP2MLL ultimately won the day. J75Y (K1LL, op) was not far behind and earned the bronze. While North America dominated SOLP as usual, KH6JJ and PY2NY were able to bring Oceania and South America onto the board. Good propagation rewarded the low power competitors with scores up about 1M from last year.

In SOQRP it is clear that a New England location doesn't hurt, and indeed W1MR placed 1st in the US and Canada. But trust me, being in NH does not make 1000 QSOs at 5 W easy — congratulations, Chris! Second place comes from the rather inland location of ND0C in Minnesota. Back to New England with N1TM placing 3rd, and off to the West Coast with W6QU (W8QZA, op) placing 4th. To the south was NT4TS placing 5th from SFL.

On the DX end of the pileups, F5BEG, last year's 2nd-place SOQRP finisher, came out on top this year, driven by good 10 meter totals. Gerard has been in the Top Ten for the past 13 years. IK6FWJ also focused on 10 meters to place 2nd. SP6JOE made nearly the same QSO count, but fell behind in multipliers to place 3rd. In a great show of skill and good propagation, three QRP stations from Japan made the Top Ten this year.

Single Op Unlimited

From well outside of the usual DC, Philadelphia, and Boston circles comes an interloper from North Florida, K4XS, this year's SOUHP winner and holder of the new SOUHP W/VE record. Wow, way to go, Bill! Following K4XS, it is easy to identify the "usual suspects." In 2nd place is contest Hall-Of-Fame member K3WW. Chas has been 1st or 2nd for eight times out of the past 13 and in the Top Ten for the category 12 out of the past 13 years. And 13 years is as far back as your author can easily check! Another very familiar call, VY2TT, shifted from SOHP last year and placed 3rd from MAR.

Just as competitive as SOUHP, SOULP saw seven district records broken plus the all-time record. Congratulations to PVRC's W6AAN for placing first, and setting a new all-time bar for others to follow. Not very far behind, KT4ZB placed 2nd and set the fourth district record. N2WKS placed 3rd for the second district record, barely sneaking by N2SQW who placed 4th. KS1J managed the #5 spot from RI and set a first district record.

The SOU categories are popular outside the US and Canada, too. The top score this year was again from South America, with a dominating effort from P40P (W5AJ, op). But OK7K (OK1BN, op) placed 2nd, and set a new EU SOUHP record! Europeans also placed 3rd-4th-5th as EC2DX, IR4M (IK4MGP, op), and ED7W (EA7OT, op). From 2nd to 10th, this was indeed a tight race.

DX SOULP brought the medal back to North America, with a win by 8P2K (8P6SH, op). YV8AD managed nearly 200 more Qs but

fell short on multipliers to take 2nd place. DF2SD placed 3rd, with 4th through 6th place also coming from Europe. Not placing in the Top Ten, but worthy of mention, were two new SOULP records; BG2AUE in Asia, and YE1NS (W7NZ, op) in Oceania.

Multioperator Categories

We have some new faces in W/VE MSHP for 2014. On top of our chart is WW4LL placing #1 from GA, setting a new 4th district record in the process. N1RR (WMA) tied in multipliers but fell just a bit short in QSOs to place 2nd. MSLP was topped only by SOULP in number of new records set. Ultimately, N1BA prevailed from NH by a slim margin over VE9ML in MAR. Both topped the previous all-time record set last year, with N1BA now holding that honor, and VE9ML holding the VE record.

After the electrons cleared, KB1H (CT), last year's #2 participant, came out on top in M2. W6WB (EB), also in last year's Top Ten, placed 2nd to represent the west. The bar set by K1AR in 2000 (11.4M) is going to take quite some time to top! This is a mature category and there were no big records set this year. In MM, the intense yearly competition between the teams at W3LPL (MDC) and K3LR (WPA) leads to ever-growing scores, and this year is no exception. This year, K3LR prevailed and took the top spot while setting a 3rd district record at 19.4M. But team LPL was hardly lying down. Their #2 score of 16.9 M would have been the winner last year.

Multioperator is less popular for DX stations but there was lots of activity just the same. The epic MSHP struggle between PJ2T and VP5H of last year reversed itself, with VP5H prevailing for the win this year. PJ2T came in 2nd, topping VP5H on multipliers. In MSLP, PJ6A absolutely ran away with the category this year, placing first, and setting a new all-time MSLP record. PY1GQ placed 2nd. The outstanding PJ6A score would have placed 7th in the MSHP category!

In M2, PJ4G had a super score and repeated their Top Ten finish from last year but was bumped for the #1 spot by P40L, setting a new South American record in the process. Number two station PJ4G still made an amazing 12.3M. The M2 category was packed with superb scores, with #10 still making almost 4000 QSOs. The big MM category was won this year by I19P, moving up from last year's M2 and scoring 7.5M. LP1H brought 2nd place to South America, repeating last year's Top Ten showing. Asian calls are rare in the DX MM Top Ten, but

Affiliated Club Competition

Unlimited Category

	Score	Entries
Yankee Clipper Contest Club	309,313,344	225
Frankford Radio Club	274,550,130	145
Potomac Valley Radio Club	211,298,259	194
Minnesota Wireless Assn	73,479,519	119
Florida Contest Group	61,845,312	100
Society of Midwest Contesters	48,590,538	108
Contest Club Ontario	43,355,826	69
Northern California Contest Club	40,386,816	99
Tennessee Contest Group	27,241,215	53
Arizona Outlaws Contest Club	25,992,876	68

Medium Category

	Score	Entries
North Coast Contesters	83,227,824	31
Radio Club of Redmond	761,619	7
Oklahoma DX Assn	668,532	3
South Jersey Radio Assn	407,493	3
Nacogdoches ARC	158,733	3
Hudson Valley Contesters and DXers	32,621,709	36
Central Texas DX and Contest Club	30,367,659	25
Carolina DX Association	30,100,296	50
DFW Contest Club	28,626,342	40
Southern California Contest Club	25,347,537	46
Mad River Radio Club	25,247,256	25
Alabama Contest Group	20,103,351	28
South East Contest Club	17,647,536	28
Maritime Contest Club	16,692,306	20
Order of Boiled Owls of New York	16,062,111	16
CTRI Contest Group	15,819,768	11
Willamette Valley DX Club	12,518,019	26
Contest Group Du Quebec	12,449,646	18
ORCA DX And Contest Club	11,395,245	31
Georgia Contest Group	10,857,801	15
Louisiana Contest Club	10,293,270	9
Grand Mesa Contesters of Colorado	8,901,399	27
North Texas Contest Club	7,250,163	10
Western Washington DX Club	7,222,296	33
Kansas City Contest Club	6,776,478	11
Rochester (NY) DX Assn	6,048,792	21
Niagara Frontier Radiosport	5,989,530	11
Northern Rockies DX Association	5,621,709	5
Mother Lode DX/Contest Club	4,943,211	23
Mississippi Valley DX/Contest Club	4,767,492	12
Bergen ARA	3,365,940	17
Spokane DX Association	3,060,033	20
Bristol (TN) ARC	3,021,285	10
Kentucky Contest Group	2,497,506	7
Utah DX Assn	2,445,000	16
Allegheny Valley Radio Association	1,871,583	3
Saskatchewan Contest Club	1,763,442	6
Metro DX Club	1,626,945	12
West Park Radiops	1,258,434	14
Texas DX Society	896,310	7

Local Category

	Score	Entries
Iowa DX and Contest Club	11,005,815	3
Delara Contest Team	6,222,639	10
Central Virginia Contest Club	5,815,893	5
599 DX Association	3,669,753	6
Kansas City DX Club	2,315,898	8
Paducah Amateur Radio Association	2,139,354	3
Meriden ARC	1,570,572	6
Hilltop Transmitting Assn	1,263,252	3
Portage County Amateur Radio Service	853,491	7
St Louis ARC	780,294	4
Salt City DX Assn	766,716	3
Loudoun ARG	739,290	3
Blue Ridge ARC	700,449	5
New Mexico Big River Contesters	687,735	4
Fort Wayne Radio Club	683,184	5
All Amateur Radio Club	629,580	3
Fort Smith Area ARC	573,096	3
Sterling Park ARC	552,057	7
Lincoln ARC	532,494	5
Laird Campbell Memorial HQ	498,351	3
Wireless Association of South Hills	477,507	3
Badger Contesters	423,816	5
Brazos Valley ARC	403,473	8
Great South Bay ARC	391,293	7
Milford (OH) ARC	342,144	5
Northern Illinois DX Assn	299,250	3
Skyview Radio Society	270,870	4
Northeast Maryland Amateur Radio	270,525	4
Boeing Employees ARS — St Louis	221,622	4
Ventura County Amateur Radio Society	169,692	3
South Texas DX and Contest Club	160,314	3
Southern California DX Club	153,066	4
Nanaimo Amateur Radio Association	88,446	3
Pueblo West Amateur Radio Club	84,300	3

W/VE Single Operator Region Leaders

Boxes list call sign, score, and power (Q = QRP, LP = Low Power, HP = High Power, U = Unlimited).

Northeast Region (New England, Hudson and Atlantic Divisions; Maritime and Quebec Sections)	Southeast Region (Delta, Roanoke and Southeastern Divisions)	Central Region (Central and Great Lakes Divisions; Ontario East, Ontario North, Ontario South and Greater Toronto)	Midwest Region (Dakota, Midwest, Rocky Mountain and West Gulf Divisions; Manitoba and Saskatchewan Sections)	West Coast Region (Pacific, Northwestern and Southwestern Divisions; Alberta, British Columbia and NWT Sections)
VY2ZM 6,949,614 HP	K1TO 5,253,930 HP	XL3A (VE3AT, op) 3,648,348 HP	NR5M 3,629,304 HP	N9RV 2,059,668 HP
K3CR (LZ4AX, op) 4,445,289 HP	K4AB 3,272,904 HP	K8AO 1,222,326 HP	K0TT 2,281,686 HP	K5RR 1,123,440 HP
AA1K 3,476,400 HP	K3ZJ 2,985,285 HP	K8GL 1,217,430 HP	WD5K 1,921,995 HP	N6AA 686,106 HP
K3ZO 2,798,640 HP	NR3X (N4YDU, op) 2,232,048 HP	K9ZO 916,575 HP	VE4VT (VE4EAR, op) 1,530,009 HP	N6NF 661,710 HP
W2XL 2,030,625 HP	NA5NN (N5BO, op) 2,502,927 LP	VE3OI 721,926 HP	KM5VI 1,260,936 HP	VA7ST 436,260 HP
N1UR 4,708,275 LP	N8II 2,057,544 LP	W9RE 2,502,984 LP	N5AW 2,453,802 LP	N7IR 800,745 LP
W2TF 887,364 LP	W4IX 2,021,370 LP	NA8V 2,355,240 LP	W5GFI 784,680 LP	N6RV 747,486 LP
WX1S 849,024 LP	AC4G 762,852 LP	NA4TZ 2,069,613 LP	N1CC 755,595 LP	K7ACZ 472,230 LP
W1JQ 772,632 LP	W6DVS 693,600 LP	VA3SWG 898,776 LP	N7WY 637,488 LP	K6GHA 331,296 LP
WA2JQK 771,120 LP	NT4TS 256,620 Q	W8KTQ 871,332 LP	A0GMZ 518,817 LP	WB7QXU 258,456 LP
W1MR 654,678 Q	K3TW 74,100 Q	KA8SMA 203,634 Q	ND0C 443,466 Q	W6QU (W8QZA, op) 295,086 Q
N1TM 437,760 Q	N4ZAK 42,588 Q	N8HP 107,352 Q	KK0Q 175,050 Q	K2GMY 34,632 Q
K2QO 46,458 Q	K8MR 37,392 Q	N8XA 96,558 Q	N4IJ 172,845 Q	KG7RZ 32,832 Q
W1CEK 46,350 Q	W1IS 24,174 Q	AI9K 11,520 Q	KF0F 62,217 Q	N6HI 14,691 Q
W2IX 45,582 Q	K4XS 7,160,103 UHP	AF9J 9,588 Q	WB0IWG 17,442 Q	KK7VL 8,307 Q
K3WWW 6,066,816 UHP	N4ZC 3,123,861 UHP	N8TR 2,559,738 UHP	AB5K 3,082,134 UHP	KA6BIM 1,755,549 UHP
VY2TT 5,221,392 UHP	K0LUZ 2,188,809 UHP	W6MJ 2,153,334 UHP	K5LLA 2,200,626 UHP	KG7H 1,583,469 UHP
AA3B 4,930,992 UHP	K3IE 2,187,408 UHP	K9IMM 1,842,675 UHP	W0GJ (N0KK, op) 2,200,608 UHP	N6QQ 1,262,751 UHP
N2NT (W2GD, op) 4,704,768 UHP	K6EK 2,035,125 UHP	N2BJ 1,744,512 UHP	K0MD 1,699,716 UHP	N6JV 1,135,440 UHP
KN2M 4,444,575 UHP	KT4ZB 2,069,949 ULP	W09Z 1,265,481 UHP	K3PA 1,588,980 UHP	W6TK 913,920 UHP
W6AAN 2,291,769 ULP	AA4R 1,136,364 ULP	WE9R 1,193,976 ULP	W8ZBT 723,330 ULP	VA7BEC 532,014 ULP
N2WKS 1,759,914 ULP	NA4EA 844,560 ULP	VE3TW 821,526 ULP	N0HJZ 713,775 ULP	N7FLT 442,818 ULP
N2SQW 1,743,948 ULP	W0PV 738,720 ULP	N9UA 789,342 ULP	AA0AI 705,942 ULP	K3WYC 194,922 ULP
KS1J 1,238,541 ULP	W4ZAO 595,080 ULP	K8LY 645,621 ULP	K0AD 565,245 ULP	NG2Q 183,768 ULP
W3KB 1,154,340 ULP		N4LR (K9XD) 613,035 ULP	VE4EA 505,890 ULP	WN6K 134,640 ULP

consistent powerhouse JA3YBK is again the exception, placing 4th.

Bang the Gavel – Club Competition

Another great way to have fun is to compete as part of a club. Whether you are part of one of the powerhouse Unlimited clubs or a casual operator in your own Local club, there is no better way to compete, share the experience, and perhaps tell a few tall tales. For beginners, joining a club is a great way to get started. If there are none in your area, why not start one?

ARRL Affiliated Club activity continues to grow, with 2071 club logs submitted from 84 clubs this year. Note that CW and SSB contests are combined in the overall club totals.

Starting in the Local Club category, the Iowa DX and Contest Club ran away with the title, making 11 Meg and propelled by the huge 9M+ CW score at N0NI. The Delara Contest Team earned a very respectable 6.2M for the silver, followed by the Central Virginia Contest Club reaching 5.8M for the bronze.

Next up the scale are the Medium Clubs where the North Coast Contesters achieved 83.2M, and repeated for the win over the Hudson Valley Contesters at 32.6M. The Central Texas DX and Contest Club captured 3rd at 30.4M, just squeaking past the Carolina DX Association at 30.1M. This

category has quite a race for 2nd place, so expect to see some fights next year.

But what about the major league pennant? Predictably, it was a giant struggle between the Yankee Clipper Contest Club, Frankford Radio Club, and the Potomac Valley Radio Club. Final results look a lot like last year, scaled up a bit due to the excellent conditions. The New England champs at YCCC prevailed for the third year in a row, with an amazing 309M over 225 logs. The Philadelphia powerhouses at Frankford Radio Club managed second place with 275M and 145 logs. You might note the outstanding points-per-log figure for FRC. (Disclosure: your author is an FRC member.) Placing 3rd is the high voltage DC effort of Potomac Valley Radio Club, with 211M over 194 logs. But watch out for the Minnesota Wireless Association and others, they are growing fast!

Signing Off and Clear

The 2014 ARRL DX Contest was a real thrill, a perfect storm of good conditions and lots of activity. I hope this encourages others to give the contest a try. It really is a lot of fun and is a terrific way to enjoy ham radio. Tell your friends!

It now seems clear that the 2014 contest season represented the peak of Solar Cycle 24.

However, what is not known is how quickly the cycle will decline. It is entirely possible that next year will also feature excellent 10 and 15 meter conditions. The only way to tell is to turn on your radio during the weekends of 21 – 22 February and 7 – 8 March.

The ARRL Soapbox web pages (www.arrrl.org/soapbox) feature more photos and stories, too. Please send your contest stories and photos next year so that I can use more of them. Your suggestions for what to put in next year's article are always welcome.

I'd like to thank Ward, N0AX, for an entire solar cycle of superb results article authorship. Ward, my sincere appreciation for such good material to borrow from! And thanks to the ARRL for this opportunity to talk contesting with you all.

Full Results Online

Read K3PA's complete inaugural article online at www.arrrl.org/contest-results-articles. Each category is scrutinized, records are sorted, band-by-band results swept, and QSO-multiplier breakdowns studied.