2009 ARRL 10 Meter Contest Results

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On December 12-13, 2009, thousands of amateur radio contesters turned on their radios and tuned to the highest frequency amateur HF band, perhaps uncertain about what they'd find. Operating on 10 meters, the HF band between 28 and 29.7 MHz, can be a capricious endeavor at this low point in the solar cycle. Without reliable F layer propagation, will there be anyone to work? It may be more likely than you think!

The ARRL 10 Meter Contest is held on the second full weekend of December. This weekend was chosen to take advantage of several potential modes of propagation. During years of peak solar activity, F layer propagation is the most important source of long distance communications on the band. But there are other important sources of long distance propagation, even during years of low sunspot activity.

Sporadic E, also commonly called "E skip" or Es, seems to occur at some point during the weekend every year in the ARRL 10 Meter Contest. Caused when clouds of dense ionization form in the E layer of the ionosphere, sporadic E is well-known to 6 meter enthusiasts, but is also common on 10 meters and can even happen on 15 meters. It is referred to as "sporadic" for a reason, though. It's impossible to predict when, exactly, sporadic E propagation will be available to any given location. Sporadic E is seasonal, however, with a major season in the summer and a minor season in December. The ARRL 10 Meter Contest comes right in the middle of the December season.

In 2009, wide-spread sporadic E was observed in most of North America east of the Rocky Mountains on Sunday afternoon. Since you never know how long a sporadic E propagation event will last, you need to be ready for it (stay in the chair!) and make most of any the opening by operating as efficiently as possible (keep the exchanges short and fast!)

The CW5W Team led all DX Multioperator, Single Transmitter entries with 574,560 points. Left to right are the team's operators; Alan CX5TR, Claudio CX4DX, Leo CX3AL, and Jorge CX6VM. (Photo by CX6VM)

Operators in North America had to wait until Saturday night or even Sunday afternoon to get their opportunity at sporadic E propagation. The E skip propagation also helped northern stations make the connection to South America. Jon, NØJK noted this effect from his Kansas QTH: "The Es clouds can launch a low power high-angle signal at a favorable angle of attack to the F2 layer - which allows it propagate with low loss for thousands of miles to South America."

What you may not know is that the ARRL 10 Meter Contest is also the perfect time of year to try out meteor scatter communications. The Geminids meteor shower happens every mid-December, and typically peaks between December 12 and December 14. The meteors result from the Earth passing through the remnants of an extinct comet and by many observations the frequency of meteors in the shower has been increasing in recent years. As the meteors enter the Earth's atmosphere and burn up, they leave trails of ionization that can last anywhere from seconds to minutes. These trails can support communications between stations up to 2200 km apart before they disappear.

Working meteor scatter on 10 meters takes skill and luck. If you start hearing snippets of call signs, loud single phonetics, or brief bursts of CW, then you're probably hearing signals on meteor scatter. But how do you complete a QSO? In part, it takes luck - you need to get a long, slow meteor that leaves a trail that lasts for more than a second or two. But skill is involved, too. Keep your CQs short. If you are answering a CQ, send your call sign only once. Do whatever you can to copy the other station on the first try. Be fast! If you don't succeed on the first try, make a quick note of the call sign or partial call sign - you may make it on another burn. Meteor scatter is a great way to add QSOs and multipliers to your log when nothing else is working.

Stations all over the world noted meteor scatter at work in the 2009 ARRL 10 Meter Contest. David, K1WHS in Maine heard meteor pings all day on Saturday. Henry, KC2TA describes what a meteor burst often sounds like: "Openings that did happen were at times EXTREMELY brief. A station would be S9+40 for all of two letters of the call - then gone!" Alan, AIØQ had fun working stations on meteor scatter: "When I turned on the rig Saturday afternoon all I heard was meteor scatter signals popping out of nowhere and quickly fading away. I heard partial call signs but not enough duration to make an exchange. By sticking on frequency, eventually a more intense meteor trail would happen and with luck a QSO could be had." If you've never made a meteor scatter QSO before, give it a try in 2010.

Activity

Activity in the ARRL 10 Meter Contest improved again in 2009. A total of 2,061 logs were entered in the contest this year, an increase of 175 logs, or about 9%, from 2008. The number of logs submitted is 30% higher than the total at the very bottom of the solar cycle in 2007. Two-thirds of the increase in log submissions came from DX stations, particularly from stations in Europe, which now accounts for 53% of all DX logs in the contest. Logs from Canada were down 13%, with no logs received from VO1/2, VYØ, VY1, or VE8 this year. Only one station each submitted a log from Manitoba and Alberta. In the United States, although there were 72 more logs overall, activity was slightly down in about half of the divisions. The biggest

increases in activity came from the Pacific (+56%) and New England (+24%) Divisions. The Atlantic Division had the largest decrease in logs (-21%). We can now say with certainty that this was the first solar cycle minimum in which the overall number of logs submitted in the ARRL 10 Meter Contest stayed above 1,000 every year.

The most popular categories are the three Single Operator, Low Power categories, which account for more than half of all log submissions. For DX operators, the CW-only categories are now the most popular, just edging out the Phone-only categories and well ahead of interest in the Mixed Mode categories. For W/VE stations, the Mixed Mode categories were the most popular, and the CW-only and Phone-only categories had almost the same number of entrants. The number of Multioperator, entries was up quite a bit for the DX (19% more logs) but only slightly more for W/VE stations (5% more logs). As we start to head toward the next solar maximum, some of these trends will possibly change. At the peak of Solar Cycle 23, the Phone-only categories were more popular than they have been during this solar minimum.

Operations from the far northern latitudes were sparse in 2009. No logs were received from stations in far northern Canada (VE8, VYØ, VY1, VO1/VO2) or Alaska. In Europe, there were two stations from Finland, two from Norway, and six from Sweden that entered the contest.

Continental Leaders by Category

Boxes list call sign, score, and category (MX-Mixed Mode, PH-Phone Only, CW-CW Only, MO-Multioperator, QRP-Very Low Power, LP-Low Power, HP-High Power)

Africa

EA8OM	29,998	MX	LP
CT3FQ	38,192	MX	HP
ZS1EL	7,380	MX	HP
ZS6BRZ	5,356	MX	HP
EA8BPX	6,968	PH	LP
6W7RV	650	PH	LP
EA8/EA1CDY	130	PH	LP
EA8MT	16,344	PH	HP
ZS9X (ZS4TW, op)	2,016	PH	HP
EA8CN	20,736	CW	LP
V51YJ	20,424	CW	LP
EA8NQ	2,940	CW	LP
ZS4JAN	1,920	CW	LP
3V8SS	1,000	CW	LP
EA8AH	161,112	MO	
EA8BQM	1,872	MO	
EA8/EA4SV	1,764	MO	

Asia

7K1CPT	1,680	MX	QRP
JK1TCV	574	MX	QRP
JA6WFM	2,380	MX	LP
JS1OYN	1,760	MX	LP
UN6LN	1,512	MX	LP
JA2PFO	1,350	MX	LP
EX2X	880	MX	LP
TA2ZAF (OK1MU, op)	30,624	MX	HP
JF2QNM	7,638	MX	HP
JQ1NGT	1,854	MX	HP
JA1HP	1,854	MX	HP
JA1XMS	768	MX	HP
JA2DLM	230	PH	QRP
JN1IZR	636	PH	LP
JA1WWE	248	PH	LP
JS6RTJ	170	PH	LP
7N2UQC	152	PH	LP
JA2GHP	130	PH	LP

North America

XE2K	3,250	MX	LP
NP3CW	1,846	MX	LP
KP2DX (KP2BH, op)	784	MX	LP
XE2S	29,500	MX	HP
NP3SI	4	MX	HP
TG9ANF	4,096	PH	QRP
HP1RIS	54	PH	QRP
HI3CCP	34,488	PH	LP
XE1CQ	720	PH	LP
XE2MVS	320	PH	LP
NP3HM	288	PH	LP
XE2HWB	252	PH	LP
KP4JRS	648	PH	HP
CO8ZZ	23,392	CW	LP
HP1AC	768	CW	LP
XE2HUM	588	CW	LP
TI5N	11,456	MO	
YS1/W3MKT	384	MO	

Oceania

VK4TJF	5,954	MX	LP
YB5AQB	2,948	MX	LP
WH2D (K3UOC, op)	1,904	MX	LP
DU7/N7ET	1,160	MX	LP
VK7GN	18,270	MX	HP
VK7XX	6,960	MX	HP
KG6DX	5,376	MX	HP
DU1AV	160	MX	HP
VK4ATH	536	PH	QRP
ZL4CZ	3,920	PH	LP
VK4EJ	2,112	PH	LP
VK4FJ	1,760	PH	LP
YC1DYY	256	PH	LP
ZL2MM	90	PH	LP
VK7ZE	12,110	PH	HP
VK8AA	8,804	PH	HP

JA7OWD	2,160	PH	HP
JN1NDY	1,140	PH	HP
JA2BNN	600	PH	HP
A61BK	506	PH	HP
JA1FNO	220	PH	HP
JA1NLX	620	CW	QRP
HS8JYX	448	CW	QRP
JR1NKN	440	CW	QRP
VU2UR	400	CW	QRP
JH8FAJ/1	272	CW	QRP
H2E	24,024	CW	LP
JL3MCM	1,728	CW	LP
RU9WZ	1,400	CW	LP
JA1CP	1,148	CW	LP
E21YDP	672	CW	LP
ZC4LI	16,008	CW	HP
RX9SA	1,320	CW	HP
JA2CUS	1,116	CW	HP
UN3GX	920	CW	HP
UAØFAI	460	CW	HP
5B4AIF	38,208	MO	
JA6WJL	8,424	MO	
JH4UTP	5,838	MO	
JR7WAB	2,662	MO	
9K2HN	2,368	MO	

Europe

E77DX	5,084	MX	QRP
CT7/LZ3ND	3,450	MX	QRP
YO8DDP	3,408	MX	QRP
DL2TM	910	MX	QRP
9A2EY	768	MX	QRP
F8AKC	25,864	MX	LP
AO7T (EA7KJ, op)	24,816	MX	LP
HA8LLK	16,074	MX	LP
9A5ST	14,260	MX	LP
YQ5Q (YO5OHO, op)	13,330	MX	LP
DL6FBL	120,848	MX	HP
4O3A (YU1YV, op)	115,928	MX	HP
RU6CQ	89,856	MX	HP
S57S	79,212	MX	HP
EC1KR	56,070	MX	HP
IU9A	4,284	PH	QRP
YBØNFL	18	PH	HP
ZL3TE (W3SE, op)	19,200	CW	LP
VK4SN	8,008	CW	LP
YB3XM	4,284	CW	LP
VK2BJ	3,564	CW	LP
VK4TT	3,528	CW	LP
ZM1K (ZL1AIH, op)	27,384	CW	HP
ZL2BR	24,016	CW	HP
ZM4G	134,976	MO	
VK4HAM	15,272	MO	
KH6CC	72	MO	

South America

PY2NY	2,850	MX	QRP
PU5ATX	720	MX	QRP
LU5WW	220,320	MX	LP
LQØF (LU5FF, op)	214,008	MX	LP
PY2SEX	144,072	MX	LP
LU2EE (LW5EE, op)	127,872	MX	LP
AY8A (LU8ADX, op)	105,000	MX	LP
CX5BW	560,880	MX	HP
AY5F	366,758	MX	HP
LU7HN	291,100	MX	HP
HC8GR (K6AW, op)	255,498	MX	HP
PY1NB	124,548	MX	HP
AYØDX (LU3DR, op)	5,280	PH	QRP
ZV2C (PY2CX, op)	33,984	PH	LP
LU1UM (LU2UF, op)	33,604	PH	LP
LQ5H (LU3HS, op)	27,816	PH	LP
PU2LEP	20,928	PH	LP
LW3DN	20,882	PH	LP
PY2LSM	140,760	PH	HP
AY4D	92,310	PH	HP
LR2F	32,230	PH	HP
PY5RB	22,736	PH	HP
PY5DC	9,204	PH	HP
PY4ZO	2,240	CW	QRP
PY2WLY	920	CW	QRP
PU2FAN	240	CW	QRP
PP5VX	140	CW	QRP
LW1E (LU1EWL,op)	96,000	CW	LP
LU3DAT	55,680	CW	LP

EA1TI	3,520	PH	QRP	PY2XC	40,768	CW	LP
I5KAP	1,152	PH	QRP	LU3FID	39,220	CW	LP
CT1ELF	272	PH	QRP	PJ2T (WØCG, op)	26,208	CW	LP
IK3XTY	96	PH	QRP				
				LU1HF	388,620	CW	HP
CT1IUA	23,698	PH	LP	LU5OM	5,092	CW	HP
IT9WTY	9,420	PH	LP	LU1DZ	560	CW	HP
CT2IPG	7,316	PH	LP				
DK5KMA	4,004	PH	LP	CW5W	574,560	MO	
EH1K	4,000	PH	LP	ZX5J	531,840	MO	
				LT1A	417,960	MO	
IZ4DPV	30,528	PH	HP	PQ5B	376,640	MO	
EA5DFV	28,618	PH	HP	CE4CT	268,176	MO	
DL5L (DGØOKW, op)	23,306	PH	HP				
IZ4AMS	21,436	PH	HP				
GØAEV	20,244	PH	HP				
US5VX	4,224	CW	QRP				
S59D	3,312	CW	QRP				
RW1AM	3,040	CW	QRP				
UT5IA	2,432	CW	QRP				
UX2KA	1,836	CW	QRP				
EA5GS	47,808	CW	LP				
EA3NT	40,188	CW	LP				
EA5YU	21,904	CW	LP				
EB3EPR	19,304	CW	LP				
RN3QP	11,880	CW	LP				
9A5W	91,200	CW	HP				
DK6XZ (E77XZ, op @DLØMB	45,144	CW	HP				
EA2IF	36,816	CW	HP				
EA4KA	30,400	CW	HP				
SP3RNZ	29,580	CW	HP				
S51DX	102,660	MO					
SZ1A	75,264	MO					
IO5O	75,152	MO					
9H6A	64,660	MO					
DH8BQA	54,144	MO					

Records

For the second year in a row, there were no world, continental, or overall W/VE records set. No stations worked their way into the top QSO totals or top multiplier totals listings in 2009, either. A few section records and DXCC entity records are still being broken every year, though. Want to call a contest record your own? Some records even remain unclaimed! (For a complete listing of ARRL 10 Meter Contest records, see **www.arrl.org/contests**)

15 new DXCC entity records were set in 2009, scattered in all parts of the globe. Three new records were set in Africa (3V8SS, CT3FQ, V51YJ), three in Asia (BA4DL, HS8JYX, TA2ZAF), five in Europe (C31CT, CT7/LZ3ND, MUØGSY, S59D, T7ØA), one in North America (YS1/W3MKT), one in Oceania (FO8RZ), and two in South America (HC8GR, PYØFF). The average QSO total of the new record scores was just 125, with three eighths of the 15 new records claimed with fewer than 50 contacts!

Just like last year, four new W/VE section records were set; three in QRP categories and one in a Low Power category. For the third year in a row, Manuel, W2MF in Northern New Jersey set a new section record in the Single Operator, Mixed Mode QRP category (44,574 points). Two new section records were set in the Single Operator, Phone-Only QRP category: Rick, KB5KYJ set the new West Texas section record (14,058 points) and Robert, KK6QQ picked up the previously-unclaimed East Bay section record with just two QSOs! David, K5UZ set the new Arkansas Single Operator, CW-Only Low Power record with 72,928 points, over three times the previous record score. 28 section records remain unclaimed, primarily in the QRP categories. 14 of those unclaimed records are for Canadian sections. The NT section still has four unclaimed records, while NL and MB each have three unclaimed records.

W/VE Categories

Canadian stations had a better showing in the Top Ten boxes this year. Three stations, one in each of the Single Operator, Mixed Mode categories, made the listings, the best results for Canada since 2006. Doug, VA3DF moved up three spots from last year to finish second in the Single Operator, Mixed Mode QRP category. Another excellent result from Canada was Bill, VE3MMQ's second-place finish in the Single Operator, Mixed Mode Low Power category. Bill (who also holds the call sign W4TAA) made over 100,000 points in his first ARRL 10 Meter Contest since moving to Ontario from Florida. Robert, VE3KZ also made the Top Ten listing with a seventh place result in the Single Operator, Mixed Mode High Power category, scoring over 150,000 points and working 96 multipliers! Robert's score was the top score from Canada.

Single Operator, Mixed Mode

After two second-place finishes in 2007 and 2008, Manuel, W2MF finally won the W/VE Single Operator, Mixed Mode QRP category with 51,520 points. His score also broke the Southern New Jersey record (which he himself set in 2007 and again in 2008). Second place (33,852 points) went to Doug, VA3DF, one of the best results of

Top Ten, W/VE			
Mixed Mode, QRP		**Phone Only, High Power**	
W2MF	51,520	WØSD	156,928
VA3DF	33,852	W5PR	149,034
WG5G	21,894	W7XU	143,232
K3TW	18,532	NR5M	130,804
NDØC	18,450	K5TR (WM5R, op_	112,600
KL7OO	14,094	NØQO	90,970
WA6FGV	12,416	N8RA	76,856
N2TM	10,260	N2BJ	64,356
WØRU	6,480	K8CC (N8NX, op)	63,600
WA1LAD	4,416	WO4DX	62,150
Mixed Mode, Low Power		**CW Only, QRP**	
NØNI	219,200	NØUR	22,968
VE3MMQ	118,320	K4ZJ (@WW4LL)	22,464
K9OM	113,730	WØMHS	15,840
KTØK	111,148	KR2Q	12,064
KB9OWD	107,856	AA1CA	11,988
W5ZL	100,100	N8AP	10,556
WD5K	96,460	W5ESE	10,300
WA8ZBT	90,272	W7JI	8,700
N4VA	72,450	WO2N	7,992
K6AM	69,520	NØJK	6,500
Mixed Mode, High Power		**CW Only, Low Power**	
WØAIH (NE9U, op)	408,250	AE5GT	80,808
WE3C	287,988	K5UZ	72,928
WB9Z	275,000	W5MX	71,280
K1KI	226,920	K9CS	59,520
W3EP	205,744	K5FP	53,048
WØBH	159,402	K3CB	46,592
VE3KZ	153,408	W3BGN	45,696
K1WHS	144,320	K1DC	44,204
N4EEB	143,152	K5PI	42,420
W5AJ	140,320	W9PN	41,888
Phone Only, QRP		**CW Only, High Power**	
KB5KYJ	14,058	K5NA	220,248
KE2OI	6,402	N2KW	163,432
KJ5RM	6,048	N4BP	145,728
KKØQ	4,186	KØRF	145,440
W6QU (W8QZA, op)	3,838	K1TO	144,648
W7YA	3,026	NY3A	142,128
KS4X	2,700	W5ZZ	139,776
KØKRH	2,242	AB7E	124,372
W6GMT	952	N4DA	108,612
KR1ST	588	WJ9B	106,800
Phone Only, Low Power		**Multioperator**	
W3LL	33,024	NX5M	437,552
N5MT	31,648	K1LZ	323,782
AC5O	24,768	KDØS	280,052
WB9PUB	24,140	W4MYA	265,888
WB5R	16,698	K4FJ	254,272
AGØM	16,048	AA1JD	241,768
WA5IYX	12,180	K8GP	230,658
WA8QYJ	11,904	K3OO	207,774
WW5TT	10,676	W4UH	203,070
K9IAC	10,440	K3WW	200,070

any Canadian station in the contest. Doug was the only Canadian entry to make the W/VE Top Ten in 2008 when he finished fifth in the Single Operator, Mixed Mode Low Power category. Third place (21,894 points) went to Dan, WG5G of South Texas. Dan uses a dual-feed quad antenna with five elements on 10 meters that "evolved" from what was originally a two-element Gem quad.

In the Single Operator, Mixed Mode Low Power category, the top score went to Toni, NØNI (219,200 points) in Iowa. Toni used stacked monobander Yagis to work 686 QSOs to 100 different multipliers. Second place went to Bill, VE3MMQ in Ontario with 118,320 points, one of the best results for Canadian stations this year. Bill won the category in 2008, operating from his West Central Florida QTH as W4TAA: "It sure is a different contest up here in the frozen north!" Richard, K9OM took third place (113,730 points), operating from North Florida.

With 1,165 QSOs in the log, Scott, NE9U, operating from the contest super-station WØAIH (408,250 points) in Wisconsin, won the Single Operator, Mixed Mode High Power for the second time in three years. Scott finished in second-place in 2008, but jumped back into the top spot with 155 multipliers, despite working no Europeans. Last year's category victor, John, WE3C, operating from Eastern Pennsylvania, took second-place (275,988 points). John also failed to work any Europeans, but did get two Australian stations in the log. Jerry, WB9Z (275,000 points) in Illinois came in third. Jerry also had a fourth-place finish in 2008 and a third-place finish in 2007.

Single Operator, Phone Only

W/VE Activity in the Single Operator, Phone-Only QRP category grew by over 50%, with 31 entries in 2009. Winning the category was Rick, KB5KYJ from West Texas. Rick, an experienced VHF/UHF contester, made 218 contacts with 33 multipliers for 14,058 points. John, KE2OI (6,402 points) of Southern New Jersey took second place with exactly 100 QSOs. Third-place finisher Jory, KJ5RM was close behind with 6,048 points. Operating from North Texas, Jory had 115 contacts, but fewer multipliers than John.

Three new faces took the top spots in the Single Operator, Phone-Only Low Power category. Bud, W3LL (33,024 points) won the category from Maryland with 346 contacts to 48 multipliers. Fewer than 10 contacts separated the first- and second-place finishers. Mike, N5MT (31,648 points), from South Texas, took second place with 342 QSOs and 46 multipliers. Third place went to Jeff, AC5O (24,768 points), operating from his QTH southwest of New Orleans, Louisiana. Jeff just edged out (by a score difference of 2.6%) Charles, WB9PUB's 24,140 points. Charles, operating from Wisconsin, had over 50 more contacts than Jeff, but nine fewer multipliers.

In the Single Operator, Phone-Only High Power category, the top five stations all made over 1,000 contacts and over 100,000 points in 2009, and all five came from two sections, South Dakota and South Texas. Ed, WØSD of South Dakota moved up from a third-place result in 2008 to win the category in 2009. Ed made 1,235 QSOs to 64 multipliers for 156,928 points. "I never, ever thought I would see the day when I would work more DX than the stations in Texas. I doubt if I will ever see it again in my lifetime." 2009 was Ed's twelfth Top Ten finish in the

past thirteen years. Finishing in second place for the second year in a row, 10 meter specialist Chuck, W5PR shook off a mild case of the H1N1 flu to make 149,034 points from his station in South Texas. Third place went to another South Dakotan, Arliss, W7XU (143,232 points). Arliss wins the "No Excuses" award for 2009: over 1,000 phone contacts without a digital voice recorder!

Single Operator, CW Only

Three new faces were at the top of the Single Operator, CW-Only QRP category in 2009. James, NØUR of Minnesota won the category with 177 contacts to 35 multipliers for 22,968 points. Dennis, K4ZJ (22,464 points) came in a close second place, operating from the station of Fred, WW4LL in Georgia. Dennis made 25 fewer contacts, but four more multipliers, falling just 2.2% short of first place. Third place went to Dave, W7FB, using the CW Contest Club call sign WØMHS. Dave made 15,840 points, operating from northwestern Missouri.

Winning the Single Operator, CW-Only Low Power category, Clint, AE5GT of South Texas made 482 contacts to 82 multipliers for 80,808 points. An active member of the Texas CW Net, Clint uses a tribander antenna on 10 meters. Second place went to David, K5UZ (72,928) of Arkansas, who made over 350 contacts. Bryan, W5MX of Kentucky took third place (71,280).

Unlike the Single Operator, Mixed Mode High Power or Single Operator, Phone-Only High Power categories, no operator in the Single Operator, CW-Only High Power category made more than 1,000 QSOs in 2009. Rebounding from his fifth-place finish in 2008, Richard, K5NA won the category with 220,248 points from South Texas. "The conditions for the first 42 hours were the worst I have ever experienced in the ARRL 10 Meter Contest. However, the band opened nicely at 1800 UTC on Sunday and stayed good until the end of the contest. It was worth waiting for." In second place was Allen, N2KW (163,432 points) of Western Massachusetts. Allen's second-place finish was one of the best results for a New England station in this contest. Down one position from last year, third place went to Bob, N4BP (145,728 points) of South Florida. Last year's category winner, Dan, K1TO, finished in fifth place (144,648 points) from West Central Florida.

Multioperator, Single Transmitter

The four-operator team at NX5M earned its fifth consecutive victory in the W/VE Multioperator, Single Transmitter category. This is the 13th year in a row that Bob, NX5M and team have entered the category and their sixth victory overall. The team made 1,345 contacts and 116 multipliers for 437,552 points from South Texas. Although it was the highest QSO total of any W/VE station in 2009, the team made seven fewer contacts and worked one fewer multiplier than last year. Earning the second-place spot was a four-person team at K1LZ (323,782) in Eastern Massachusetts. Krassy, K1LZ has a multi-tower station west of Boston. The three-person team at KDØS (280,052 points) in South Dakota came in third place, with fewer than 1,000 QSOs. Jim, KDØS has two towers in South Dakota's capital city of Pierre.

2009 ARRL 10 Meter Contest

Regional Leaders by Category

Boxes list call sign, score, and category (MX-Mixed Mode, PH-Phone Only, CW-CW Only, MO-Multioperator, QRP-Very Low Power, LP-Low Power, HP-High Power)

Northeast Region

New England, Hudson and Atlantic Divisions; Maritime and Quebec Sections

W2MF	51,520	MX	QRP
K3TW	18,532	MX	QRP
N2TM	10,260	MX	QRP
WA1LAD	4,416	MX	QRP
WB2AMU	1,320	MX	QRP
W1WV	56,166	MX	LP
K2PS	36,712	MX	LP
K2GV	31,692	MX	LP
WD8CQB	26,768	MX	LP
VE1ZA	24,320	MX	LP
WE3C	287,988	MX	HP
K1KI	226,920	MX	HP
W3EP	205,744	MX	HP
K1WHS	144,320	MX	HP
K3ZO	132,430	MX	HP
KE2OI	6,402	PH	QRP
KB3KOC	64	PH	QRP
AA2VK	40	PH	QRP
KC2JRQ	24	PH	QRP
K1NUN	8	PH	QRP

Southeast Region

Delta, Roanoke and Southeastern Divisions

K4WY	3,600	MX	QRP
K9OM	113,730	MX	LP
N4VA	72,450	MX	LP
WQ5L	58,110	MX	LP
N4IG	49,532	MX	LP
KD5J	43,672	MX	LP
N4EEB	143,152	MX	HP
K5RQ	138,504	MX	HP
N8II	122,180	MX	HP
K4FX	116,232	MX	HP
K4ZGB	114,920	MX	HP
KS4X	2,700	PH	QRP
KR1ST	588	PH	QRP
KD4OFG	552	PH	QRP
KC5WA	198	PH	QRP

Central Region

Central and Great Lakes Divisions; Ontario Section

VA3DF	33,852	MX	QRP
AI9K	3,154	MX	QRP
AF9J	2,310	MX	QRP
KU4A	1,870	MX	QRP
K8BL	1,152	MX	QRP
VE3MMQ	118,320	MX	LP
KB9OWD	107,856	MX	LP
K9BTQ	30,498	MX	LP
VE3RZ	26,656	MX	LP
K9KR	25,850	MX	LP
WØAIH (NE9U, op)	408,250	MX	HP
WB9Z	275,000	MX	HP
VE3KZ	153,408	MX	HP
VE3FGU	93,960	MX	HP
N8SS	31,980	MX	HP
W8JMF	476	PH	QRP
WD9FTZ	308	PH	QRP
N8XA	238	PH	QRP
W9AQ	150	PH	QRP
N9NFB	16	PH	QRP

Midwest Region

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

WG5G	21,894	MX	QRP
NDØC	18,450	MX	QRP
WØRU	6,480	MX	QRP
K9JWV	2,910	MX	QRP
NVØU	2,016	MX	QRP
NØNI	219,200	MX	LP
KTØK	111,148	MX	LP
W5ZL	100,100	MX	LP
WD5K	96,460	MX	LP
WA8ZBT	90,272	MX	LP
WØBH	159,402	MX	HP
W5AJ	140,320	MX	HP
NØKE	105,364	MX	HP
WAØMHJ	100,672	MX	HP
WØZP	58,338	MX	HP
KB5KYJ	14,058	PH	QRP
KJ5RM	6,048	PH	QRP
KKØQ	4,186	PH	QRP
KØKRH	2,242	PH	QRP
W6GMT	952	PH	QRP

West Coast Region

Pacific, Northwestern and Southwestern Divisions; Alberta, British Columbia and NWT Sections

KL7OO	14,094	MX	QRP
WA6FGV	12,416	MX	QRP
K6MI	1,044	MX	QRP
WD6DX	882	MX	QRP
WA6NOL	216	MX	QRP
K6AM	69,520	MX	LP
KØPP	38,688	MX	LP
KF6A	33,744	MX	LP
K6RIM	20,526	MX	LP
W7YAQ	17,466	MX	LP
VE7CC	90,384	MX	HP
N6WM	76,128	MX	HP
K7RL	69,564	MX	HP
KY7M	66,976	MX	HP
K7SS	65,520	MX	HP
W6QU (W8QZA, op)	3,838	PH	QRP
W7YA	3,026	PH	QRP
NT7S	216	PH	QRP
WA7PVE	192	PH	QRP
KK6QQ	2	PH	QRP

Northeast Region				Southeast Region				Central Region				Midwest Region				West Coast Region			
W3LL	33,024	PH	LP	AC5O	24,768	PH	LP	WB9PUB	24,140	PH	LP	N5MT	31,648	PH	LP	N7CKJ	4,000	PH	LP
KA1AMR	4,554	PH	LP	WA8QYJ	11,904	PH	LP	K9IAC	10,440	PH	LP	WB5R	16,698	PH	LP	W1ZD	3,750	PH	LP
N3ALN	3,040	PH	LP	K4DMH	7,946	PH	LP	KC8QAE	9,920	PH	LP	AGØM	16,048	PH	LP	N7FLT	3,240	PH	LP
W1GKE	2,730	PH	LP	WB2RHM	6,600	PH	LP	W9ROG	7,392	PH	LP	WA5IYX	12,180	PH	LP	ND7M	2,940	PH	LP
N2MTG	2,520	PH	LP	K4PZC	6,270	PH	LP	NX8G	5,600	PH	LP	WW5TT	10,676	PH	LP	N7NKO	2,754	PH	LP
N8RA	76,856	PH	HP	WO4DX	62,150	PH	HP	N2BJ	64,356	PH	HP	WØSD	156,928	PH	HP	N7UQ	24,050	PH	HP
N3TIR	25,152	PH	HP	NQ4I (W4DD, op)	47,532	PH	HP	K8CC (N8NX, op)	63,600	PH	HP	W5PR	149,034	PH	HP	AF7DX	15,640	PH	HP
K3ISH	19,504	PH	HP	K4WI	43,000	PH	HP	W8WD	51,600	PH	HP	W7XU	143,232	PH	HP	W6AFA	9,554	PH	HP
KA1ZD	13,580	PH	HP	KC4TVZ	26,550	PH	HP	AI9L	34,632	PH	HP	NR5M	130,804	PH	HP	KI7M	8,520	PH	HP
W1RY	13,266	PH	HP	W4SVO	14,948	PH	HP	W8CO	20,160	PH	HP	K5TR (WM5R, op_	112,600	PH	HP	WAØKDS	6,900	PH	HP
KR2Q	12,064	CW	QRP	K4ZJ (@WW4LL)	22,464	CW	QRP	N8AP	10,556	CW	QRP	NØUR	22,968	CW	QRP	AE7CC	3,740	CW	QRP
AA1CA	11,988	CW	QRP	K4ORD	5,928	CW	QRP	AE8M	5,776	CW	QRP	WØMHS	15,840	CW	QRP	K6RM	3,360	CW	QRP
WO2N	7,992	CW	QRP	KI4FW	2,912	CW	QRP	N9TF	3,528	CW	QRP	W5ESE	10,300	CW	QRP	WA7OET	2,552	CW	QRP
K2SM	6,048	CW	QRP	N8PR	1,900	CW	QRP	KB9ZUV	2,080	CW	QRP	W7JI	8,700	CW	QRP	N7MAL	1,620	CW	QRP
NQ2W	2,688	CW	QRP	K4RST	1,104	CW	QRP	WI9X	880	CW	QRP	NØJK	6,500	CW	QRP	K9JM	1,176	CW	QRP
K3CB	46,592	CW	LP	K5UZ	72,928	CW	LP	W5MX	71,280	CW	LP	AE5GT	80,808	CW	LP	K7HP	36,408	CW	LP
W3BGN	45,696	CW	LP	WK2G	37,296	CW	LP	K9CS	59,520	CW	LP	K5FP	53,048	CW	LP	N7BV	23,544	CW	LP
K1DC	44,204	CW	LP	WD4AHZ	33,616	CW	LP	W9PN	41,888	CW	LP	K5PI	42,420	CW	LP	K2PO	17,600	CW	LP
K1TR	32,760	CW	LP	WB4TDH	27,888	CW	LP	W9RE	38,024	CW	LP	N5DO	38,080	CW	LP	AB7R	15,840	CW	LP
K2PLF	24,320	CW	LP	AA4NC	26,296	CW	LP	K4FT	27,280	CW	LP	N4IJ	37,436	CW	LP	VA7MM	13,356	CW	LP
N2KW	163,432	CW	HP	N4BP	145,728	CW	HP	WX9U	45,360	CW	HP	K5NA	220,248	CW	HP	AB7E	124,372	CW	HP
NY3A	142,128	CW	HP	K1TO	144,648	CW	HP	K9BGL	42,148	CW	HP	KØRF	145,440	CW	HP	VE7XF	50,912	CW	HP
N3UM	99,552	CW	HP	W5ZZ	139,776	CW	HP	K9MA	25,696	CW	HP	WØZA	76,208	CW	HP	KB7HH	45,180	CW	HP
K2AXX	67,392	CW	HP	N4DA	108,612	CW	HP	W9XT	16,016	CW	HP	KØJPL	65,104	CW	HP	KH6ZM	25,432	CW	HP
AA3B	61,248	CW	HP	WJ9B	106,800	CW	HP	WT9U	9,768	CW	HP	N7DF	63,360	CW	HP	VE7CA	17,208	CW	HP
K1LZ	323,782	MO		W4MYA	265,888	MO		N8NR	183,800	MO		NX5M	437,552	MO		N7AT	122,056	MO	
AA1JD	241,768	MO		K4FJ	254,272	MO		W9IU	118,580	MO		KDØS	280,052	MO		W6YX	108,080	MO	
K3OO	207,774	MO		K8GP	230,658	MO		KC9ARR	97,524	MO		WØIW	131,382	MO		NT6X	85,456	MO	
K3WW	200,070	MO		W4UH	203,070	MO		W8MJ	76,482	MO		KØOU	62,920	MO		N6SS	72,540	MO	
N2MM	81,180	MO		KN5O	152,334	MO		VE3MIS	38,304	MO		KØKX	58,520	MO		K9YC	62,400	MO	

Division Leaders

Mixed Mode

Atlantic	W2MF	51,520	QRP
Central	AI9K	3,154	QRP
Dakota	NDØC	18,450	QRP
Great Lakes	KU4A	1,870	QRP
Hudson	N2TM	10,260	QRP
Midwest	NVØU	2,016	QRP
New England	WA1LAD	4,416	QRP
Northwestern	KL7OO	14,094	QRP
Pacific	K6MI	1,044	QRP
Roanoke	K4WY	3,600	QRP
Rocky Mountain	K9JWV	2,910	QRP
Southwestern	WA6FGV	12,416	QRP
West Gulf	WG5G	21,894	QRP
Canada	VA3DF	33,852	QRP
Atlantic	K2PS	36,712	LP
Central	KB9OWD	107,856	LP
Dakota	KØPK	64,008	LP
Delta	WQ5L	58,110	LP
Great Lakes	N8VV	23,052	LP
Hudson	W1WV	56,166	LP
Midwest	NØNI	219,200	LP
New England	W1YRC	21,168	LP
Northwestern	KØPP	38,688	LP
Pacific	KF6A	33,744	LP
Roanoke	N4VA	72,450	LP
Rocky Mountain	WØETT	59,360	LP
Southeastern	K9OM	113,730	LP
Southwestern	K6AM	69,520	LP
West Gulf	W5ZL	100,100	LP
Canada	VE3MMQ	118,320	LP
Atlantic	WE3C	287,988	HP
Central	WØAIH (NE9U, op)	408,250	HP
Dakota	WAØMHJ	100,672	HP
Delta	N5VU	10,140	HP
Great Lakes	N8SS	31,980	HP
Hudson	K2TTT	40,230	HP
Midwest	WØBH	159,402	HP
New England	K1KI	226,920	HP
Northwestern	K7RL	69,564	HP
Pacific	N6WM	76,128	HP
Roanoke	N8II	122,180	HP
Rocky Mountain	NØKE	105,364	HP
Southeastern	N4EEB	143,152	HP
Southwestern	KY7M	66,976	HP
West Gulf	W5AJ	140,320	HP
Canada	VE3KZ	153,408	HP

Phone Only

Atlantic	KE2OI	6,402	QRP
Central	W9AQ	150	QRP
Delta	KS4X	2,700	QRP
Great Lakes	W8JMF	476	QRP
Hudson	AA2VK	40	QRP
Midwest	KØKRH	2,242	QRP
New England	K1NUN	8	QRP
Northwestern	NT7S	216	QRP
Pacific	KK6QQ	2	QRP
Roanoke	KR1ST	588	QRP
Rocky Mountain	KKØQ	4,186	QRP
Southwestern	W6QU (W8QZA, op)	3,838	QRP

CW Only

Atlantic	K2SM	6,048	QRP
Central	N9TF	3,528	QRP
Dakota	NØUR	22,968	QRP
Delta	K4RST	1,104	QRP
Great Lakes	N8AP	10,556	QRP
Hudson	KR2Q	12,064	QRP
Midwest	WØMHS	15,840	QRP
New England	AA1CA	11,988	QRP
Northwestern	AE7CC	3,740	QRP
Pacific	K6RM	3,360	QRP
Roanoke	K4ORD	5,928	QRP
Rocky Mountain	KE5AKL	6,460	QRP
Southeastern	K4ZJ (@WW4LL)	22,464	QRP
Southwestern	N7MAL	1,620	QRP
West Gulf	W5ESE	10,300	QRP
Canada	VA3RKM	680	QRP
Atlantic	K3CB	46,592	LP
Central	K9CS	59,520	LP
Dakota	KNØV	24,344	LP
Delta	K5UZ	72,928	LP
Great Lakes	W5MX	71,280	LP
Hudson	K2UF	23,840	LP
Midwest	NBØZ	6,640	LP
New England	K1DC	44,204	LP
Northwestern	N7BV	23,544	LP
Pacific	SV2HWR	5,720	LP
Roanoke	AA4NC	26,296	LP
Rocky Mountain	W7UT	24,016	LP
Southeastern	WK2G	37,296	LP
Southwestern	K7HP	36,408	LP
West Gulf	AE5GT	80,808	LP
Canada	VE5UF	24,780	LP
Atlantic	NY3A	142,128	HP
Central	WX9U	45,360	HP
Dakota	NEØU	56,784	HP
Delta	W5ZZ	139,776	HP
Great Lakes	W8PN	2,820	HP
Hudson	W2EG	16,080	HP
Midwest	KØJPL	65,104	HP
New England	N2KW	163,432	HP
Northwestern	N6KW	6,300	HP
Pacific	KH6ZM	25,432	HP
Roanoke	W3BP	51,940	HP
Rocky Mountain	KØRF	145,440	HP
Southeastern	N4BP	145,728	HP
Southwestern	AB7E	124,372	HP
West Gulf	K5NA	220,248	HP
Canada	VE7XF	50,912	HP

Multioperator

Atlantic	K3OO	207,774	HP
Central	W9IU	118,580	HP
Dakota	KDØS	280,052	HP
Delta	KN5O	152,334	HP
Great Lakes	N8NR	183,800	HP
Hudson	W2VQ	43,560	HP
Midwest	WØIW	131,382	HP
New England	K1LZ	323,782	HP
Northwestern	AC7GP	52,992	HP
Pacific	W6YX	108,080	HP

West Gulf	KB5KYJ	14,058	QRP	Roanoke	W4MYA	265,888	HP
				Rocky Mountain	KØGAS	12,240	HP
Atlantic	W3LL	33,024	LP	Southeastern	W4UH	203,070	HP
Central	WB9PUB	24,140	LP	Southwestern	N7AT	122,056	HP
Dakota	WBØTSR	3,952	LP	West Gulf	NX5M	437,552	HP
Delta	AC5O	24,768	LP	Canada	VE3MIS	38,304	HP
Great Lakes	KC8QAE	9,920	LP				
Hudson	N2MTG	2,520	LP				
Midwest	AGØM	16,048	LP				
New England	KA1AMR	4,554	LP				
Northwestern	N7CKJ	4,000	LP				
Pacific	ND7M	2,940	LP				
Roanoke	WB2RHM	6,600	LP				
Rocky Mountain	KC6R	7,616	LP				
Southeastern	WA8QYJ	11,904	LP				
Southwestern	W1ZD	3,750	LP				
West Gulf	N5MT	31,648	LP				
Canada	VA7IR	1,876	LP				
Atlantic	N3TIR	25,152	HP				
Central	N2BJ	64,356	HP				
Dakota	WØSD	156,928	HP				
Great Lakes	K8CC (N8NX, op)	63,600	HP				
Hudson	W2JTM	13,040	HP				
Midwest	KØRH	34,056	HP				
New England	N8RA	76,856	HP				
Northwestern	AF7DX	15,640	HP				
Pacific	W6DPD	1,508	HP				
Roanoke	K4KZZ	9,048	HP				
Rocky Mountain	NØQO	90,970	HP				
Southeastern	WO4DX	62,150	HP				
Southwestern	N7UQ	24,050	HP				
West Gulf	W5PR	149,034	HP				
Canada	VA3PC	1,800	HP				

DX Categories

Single Operator, Mixed Mode

New call sign, veteran contester - Braco, E77DX took the overall DX victory in the Single Operator, Mixed Mode QRP category. Using remote control to operate his northern Bosnia-Herzegovina station from Vienna, Austria, Braco scored 5,084 points. He had one antenna, a six-element Yagi at about 80 feet, but he could not rotate it. "Biggest thrill to get an answer from 9K2HN on my first call even with antenna pointed to the opposite direction." Second place went to Nikolay, LZ3ND, operating as CT7/LZ3ND from Portugal. Arsene, YO8DDP took third place with 41 contacts from Romania. Vitor, PY2NY, the first-place winner last year, came in fourth and the top entry was Asia was Kiyoharu, 7K1CPT of Tokyo, who finished fifth place overall. Kiyoharu lives in an apartment where he cannot put up good antennas, so for the ARRL 10 Meter Contest, he operated from outside the city in his car with portable antennas. Among his favorite antennas is the "Hentenna", an unusual loop antenna first designed by Japanese 6 meter enthusiasts.

In the Single Operator, Mixed Mode Low Power category, seven of the Top Ten scores were made from South America. Alejandro, LU5WW enjoyed a repeat victory from his Patagonia

Top Ten, DX			
Mixed Mode, QRP		**Phone Only, High Power**	
E77DX	5,084	PY2LSM	140,760
CT7/LZ3ND	3,450	AY4D	92,310
YO8DDP	3,408	LR2F	32,230
PY2NY	2,850	IZ4DPV	30,528
7K1CPT	1,680	EA5DFV	28,618
DL2TM	910	DL5L (DGØOKW, op)	23,306
9A2EY	768	PY5RB	22,736
PU5ATX	720	IZ4AMS	21,436
EA5GVZ	624	GØAEV	20,244
JK1TCV	574	OE3DWC	16,800
Mixed Mode, Low Power		**CW Only, QRP**	
LU5WW	220,320	US5VX	4,224
LQØF (LU5FF, op)	214,008	S59D	3,312
PY2SEX	144,072	RW1AM	3,040
LU2EE (LW5EE, op)	127,872	UT5IA	2,432
AY8A (LU8ADX, op)	105,000	PY4ZO	2,240
L33M (LU3MAM, op)	32,010	UX2KA	1,836
EA8OM	29,998	LZ1MG	1,568
LU3JVO	28,200	UA3TW	1,232
F8AKC	25,864	PY2WLY	920
AO7T (EA7KJ, op)	24,816	PD5CW	880
Mixed Mode, High Power		**CW Only, Low Power**	
CX5BW	560,880	LW1E (LU1EWL,op)	96,000
AY5F	366,758	LU3DAT	55,680
LU7HN	291,100	EA5GS	47,808
HC8GR (K6AW, op)	255,498	PY2XC	40,768
PY1NB	124,548	EA3NT	40,188
DL6FBL	120,848	LU3FID	39,220
4O3A (YU1YV, op)	115,928	PJ2T (WØCG, op)	26,208
RU6CQ	89,856	H2E	24,024
S57S	79,212	CO8ZZ	23,392
OA4SS	71,400	EA5YU	21,904
Phone Only, QRP		**CW Only, High Power**	
AYØDX (LU3DR, op)	5,280	LU1HF	388,620
IU9A	4,284	9A5W	91,200
TG9ANF	4,096	DK6XZ (E77XZ, op	45,144
EA1TI	3,520	EA2IF	36,816
I5KAP	1,152	EA4KA	30,400
VK4ATH	536	SP3RNZ	29,580
CT1ELF	272	ZM1K (ZL1AIH, op)	27,384
JA2DLM	230	ZL2BR	24,016
IK3XTY	96	YU1ZZ	22,464
HP1RIS	54	SP2JMB	21,600
Phone Only, Low Power		**Multioperator**	
HI3CCP	**34,488**	**CW5W**	**574,560**
ZV2C (PY2CX, op)	33,984	ZX5J	531,840
LU1UM (LU2UF, op)	33,604	LT1A	417,960
LQ5H (LU3HS, op)	27,816	PQ5B	376,640
CT1IUA	23,698	CE4CT	268,176
PU2LEP	20,928	EA8AH	161,112
LW3DN	20,882	PT3T	158,886
LU6FAH	16,300	ZM4G	134,976
PY2ZY	15,980	CV5K	126,260
LU6EDC	11,868	S51DX	102,660

station with 535 contacts and 136 multipliers (220,320 points). A close second-place result went to Javi, LU5FF, operating from further north in the Buenos Aires area with his contest call sign LQØF (214,008 points). Javi uses a tribander antenna, mounted 19 meters above ground. Alex, PY2SEX took third place with 144,072 points from Campinas, Brazil. Alex described his most surprising contact, which came by scatter: "ZM4G called me. I couldn't believe it. That was the most incredible thing in the contest; my antenna was right to the north." The top non-South American score was made by Heijo, EA8OM (29,998 points) in the Canary Islands.

The top three scores in the Single Operator, Mixed Mode High Power category also went to stations from South America. Pedro, CX5BW, who has hosted multi-operator efforts in recent years, won as a Single Operator with 560,880 points from 934 QSOs and 180 multipliers. The CX5BW station is on a 35-acre farm where he raises sheep, cows, and radio towers. Second place went to Jesus, AY5F (366,758 points) from Rosario, Argentina. Rene, LU7HN came in third place (291,100 points) from Cordoba, Argentina. The top European score was sixth-place finisher Ben, DL6FBL (120,848 points), operating from the DR1A multi-tower contest station in western Germany.

Single Operator, Phone Only

The top three DX results in the Single Operator, Phone-Only QRP category came from stations on three different continents in 2009. The winner was Dario, LU3DR (5,280 points), operating with his AYØDX contest call sign from Tanbril, Argentina. Dario made just 84 contacts to take the victory. Second place went to Dario, IT9SSI (4,284 points), using the contest call sign IU9A from the coast of northeastern Sicily. Francisco, TG9ANF of Guatemala City, last year's winner, took third place with 4,096 points. Francisco was the only station in the category to work over 100 QSOs, but had fewer multipliers than AYØDX or IU9A. The best result from Oceania or Asia was sixth place by Tom, VK4ATH (536 points) in Queensland, Australia.

Just like last year, eight of the top ten DX scores in the Single Operator, Phone-Only Low Power category came from South America. Winning the category, however, was the same North American who won the category last year - Tino, HI3CCP, who finished the contest with 389 QSOs in 36 multipliers for 34,488 points from Santiago in the Dominican Republic. Since the contest, Tino has upgraded his call sign to HI3CC. A very close second place went to Mauricio, PY2CX (33,984 points), operating with the contest call sign ZV2C from Sao Paulo, Brazil. Mauricio uses a single tribander antenna for this contest. Operating at the Radio Club Santa Rosa station LU1UM in La Pampa, Argentina, Alex, LU2UF took third place with 33,604 points. The point spread between the top three results in this category was just 2.6%!

In the Single Operator, Phone-Only High Power category, one station had a score far above the others. Alan, PY2LSM (140,760 points) took the victory from Sao Paulo, Brazil. Alan worked 697 QSOs and 102 multipliers. Juan, LU4DX (92,310 points), operating with contest call sign AY4D from Buenos Aires, Argentina took second place. He made 545 contacts and 85 multipliers. Third place went to last year's category winner, Bob, LU2FA (32,230 points) operating with his contest call sign LR2F from Rosario, Argentina. Although the top three were

from South America, six of the Top Ten scores came from Europe. The top European score was from Italian operator Cortesi, IZ4DPV (30,528 points), who finished in fourth place overall operating from the station of Antonio, IK4JQO. Cortesi had good openings to Oceania on Sunday morning and South America on Sunday afternoon.

Single Operator, CW Only

Dominated by Japanese stations for several years, the top scores in the Single Operator, CW-Only QRP category mostly went to European stations in 2008 and did so again in 2009. Eight of the top ten scores in the category came from Europe, including five from Eastern Europe. Overall DX victory in the category went to Kulenko, US5VX (4,224 points), operating from southeastern Ukraine. Janko, S59D (3,312 points) took second place in the category for the second year in a row and set a new category record for Slovenia. To the north and east near St Petersburg, Russia, third place went to Peter, RW1AM (3,040 points).

Only two DX stations in the Single Operator, CW-Only Low Power category scored over 50,000 points. First place went to Hugo, LU1EWL, operating with the contest call sign LW1E. Hugo made 320 contacts to 75 multipliers for 96,000 points from Buenos Aires, Argentina. Second place went to another Buenos Aires operator, Gabriel, LU3DAT (55,680 points). Third place went to the top European in the category, Jose, EA5GS (47,808 points) in Valencia, Spain.

Operating from San Francisco, Argentina, Juan, LU1HF made 779 QSOs to an amazing 127 multipliers for a total score of 388,620 points to win the Single Operator, CW-Only High Power category for DX. Second place went to a Croatian operator, Nikola, 9A5W (91,200 points), operating near the capital city of Zagreb. Suad, E77XZ came in third place (45,144 points), operating from his DK6XZ station in Pforzheim, Germany. The top Oceania score in the category came from Robert, ZL1AIH (27,384 points), operating with the ZM1K call sign in the country northwest of Auckland, New Zealand.

Multioperator, Single Transmitter

In the DX Multioperator category, eight of the top ten scores came from stations in South America. Winning the contest for the second year in a row was the CW5W team in Cerro Largo, Uruguay. Operating from the station of Jorge, CX6VM and using his contest call sign, the team made 574,560 points, over 150,000 more points than their winning effort amassed last year. Second place went to the team at ZX5J (531,840 points) in Santa Catarina state, Brazil. Daniel, LU3CT and Silvio, LW9EOC teamed up together using the LT1A call sign to take third place (417,960 points).

ARRL Affiliated Clubs Competition

More clubs than ever are getting into the 10 meter action. 60 clubs qualified for the competition, 9 more than qualified in 2008 and 14 more than qualified in 2007. Affiliated clubs are organized into three categories: Local Clubs, Medium Clubs, and Unlimited Clubs. The category in which your club will be placed depends on the number of logs submitted for the club and how large the territory is from which the club members operate. For a club to be listed in the results, the Contest Branch must receive at least three entries from club members.

This year there were 25 clubs in the Local Club category, six more than in 2008. Last year's third-place club, the Midland Amateur Radio Club of Midland, Texas moved back up into the top spot for the second time in three years. Only five club members combined for a score of 230,008 points, but those five members averaged over 45,000 points per log, the highest in the Local Club category. Last year's top club, the Central Virginia Contest Club, came in second place, with 8 club members combining a total score of 129,012 points. The Lincoln Amateur Radio Club of Lincoln, Nebraska came in a close third place with 120,384 points earned from four logs.

The most popular club competition category in 2009 was the Medium Club category. 29 clubs qualified for this category, and three scored over 1,000,000 points. The Frankford Radio Club won first place for the second year in a row with 1,160,678 points from 17 logs. The Yankee Clipper Contest Club came in moved up two spots from last year to come in second place. The YCCC had 39 logs, the most of any medium club, and accumulated 1,079,780 points. Moving one spot down from last year, the Central Texas DX and Contest Club came in third place. With only 10 logs, the CTDXCC combined for 1,055,884 points. The CTDXCC was the only club to average over 100,000 points per log.

Six clubs entered the Unlimited Club category (three more than last year), which retains limits on the geographic locations of the club stations but not on how many members can enter on behalf of the club. Moving up one spot in the rankings from last year, the Potomac Valley Radio Club just edged out the competition to claim victory in the Unlimited Club category. 61 club members combined to score 2,048,194 points. Moving down one spot in the rankings, the Florida Contest Group fell short of victory by just 2.2%. The FCG had 64 logs that combined for a total of 2,004,124 points. The margin of victory was less than 700 points per log! The Minnesota Wireless Association had enough entrants to qualify for the Unlimited Club category, and finished third overall with 1,342,150 points from 51 logs.

For your score to count for your club, you must be a member of the club, the station from which you operate must be located within the club's geographic territory, and you must include the club name in the Cabrillo log file headers when you submit your log. Do not use abbreviations, even if you think your club's abbreviation is well known. Many clubs have similar abbreviations. You can find the official list of contest club names on the ARRL Contest Branch Web site. If your club is not listed, contact **contests@arrl.org** and the team at the Contest Branch will help make sure that your club meets the Affiliated Club requirements and is updated on the list.

Affiliated Club Competition		
	Score	***Entries***
Unlimited Category		
Potomac Valley Radio Club	2,048,194	61
Florida Contest Group	2,004,124	64
Minnesota Wireless Assn	1,342,150	53
Society of Midwest Contesters	1,112,315	51
Northern California Contest Club	761,374	59
Medium Category		
Frankford Radio Club	1,160,678	17
Yankee Clipper Contest Club	1,079,780	39
Central Texas DX and Contest Club	1,055,884	10
Arizona Outlaws Contest Club	646,514	33
Grand Mesa Contesters of Colorado	597,892	14
Tennessee Contest Group	427,662	26
Contest Club Ontario	422,070	25
Alabama Contest Group	362,190	11
South East Contest Club	307,096	15
Mad River Radio Club	287,610	17
Western Washington DX Club	256,668	12
Texas DX Society	232,342	3
Southern California Contest Club	185,616	18
Louisiana Contest Club	158,662	5
Western New York DX Assn	158,128	5
BC DX Club	152,384	3
North Texas Contest Club	148,492	3
CTRI Contest Group	129,940	7
Rochester (NY) DX Assn	100,852	6
Hudson Valley Contesters and DXers	100,674	11
Willamette Valley DX Club	63,232	8
Utah DX Assn	57,640	7
Order of Boiled Owls of New York	45,174	6
Contest Group Du Quebec	41,080	5
Kentucky Contest Group	31,460	6
Central Arizona DX Assn	25,036	3
Carolina DX Assn	14,050	5
Portage County Amateur Radio Service	19,522	11
Local Category		
Midland ARC	230,008	5
Central Virginia Contest Club	129,012	8
Lincoln ARC	120,384	4
West Allis RAC	105,314	8
Hampden County Radio Assn	72,258	8
Spokane DX Association	71,186	4
Kansas City DX Club	66,010	3
Maritime Contest Club	58,668	6
Sussex County ARC	43,980	3
West Park Radiops	42,838	9
South Texas DX and Contest Club	25,758	3
Metro DX Club	23,622	3
Six Meter Club of Chicago	22,410	4
Mother Lode DX/Contest Club	21,400	4
Fort Wayne Radio Club	13,032	3
Granite State ARA	10,638	5
Meriden ARC	9,190	3
Panhandle ARC	8,556	3
Sterling Park ARC	5,916	6
Great South Bay ARC	5,704	3
Livermore ARK	4,106	4
Athens County ARA	3,360	3
Hazel Park ARC	3,204	3
Bergen ARA	3,154	3
Badger Contesters	2,092	3

Are You Ready for Next Year?

A major change is in store for the 2010 ARRL 10 Meter Contest. On April 2, 2010, ARRL Contest Branch Manager, Sean Kutzko KX9X announced that beginning in 2010, the 32 states of Mexico will each count as separate multipliers.

Like all rules changes, this change was voted upon by the ARRL Program and Service Committee, a standing committee of the ARRL Board of Directors. Sean explained the motivation for the change on his blog, "Notes from the Contest Branch". "The ARRL Board's Programs and Services Committee was looking for a way to enhance the expanding goodwill between hams in Mexico and the US and provide an additional spark to a contest that has been suffering the most from a lack of sunspots. The 10 Meter Contest is widely viewed as an event that has strong appeal to contesting newcomers and has a focus on North America — especially during solar cycle minimums – and was deemed a perfect choice for expanding ARRL's contest program to include Mexico." (**kx9x.wordpress.com/2010/04/02/more-on-xe-multipliers-in-the-arrl-10-meter-contest**)

Mexican stations will send three-letter state abbreviations. To get ready for next year, familiarize yourself with the political geography of Mexico. Check out the Web site of the Grupo DXXE (**www.dxxe.org**) for information on Mexican stations and their contest activity. The organization has already published a very useful "cheat sheet" for the ARRL 10 Meter Contest. (**www.dxxe.org/concurso/xe%20mults.pdf**)

Ramon, XE1KK and Trey, N5KO analyzed the results of recent major contests to determine the level of XE contest activity in each state. Ramon notes: "The results are quite interesting because most XE states will be either easy or rare. Few are semi-rare."

While there have been many changes to the contest rules over the past 37 years, this one is sure to change the flavor of the contest. Will it heat things up for you?