

# Results of the 2010 CQ WW DX CW Contest

BY BOB COX,\* K3EST

## Expanded Results on the Web

Editor's Note: Having a record number of logs submitted for the CQ WW CW Contest is great, but it does put a squeeze on space. In order to assure that the efforts of all entrants are recognized through the publication of complete line scores, certain other elements of our contest reporting have been moved to the CQ website. Please visit the CQWW DX Contest page (follow the links from <[www.cq-amateur-radio.com](http://www.cq-amateur-radio.com)>) for QRM, expanded top scores listings, and more. —W2VU

**W**here are you sunspot Cycle 24? We all are waiting. In the meantime, the CQ WW again created its own propagation. You can enter the CQ WW CW Contest and help improve conditions. Once the contest begins, the bands come alive with activity. As Lee, G0MTN comments, "Superb activity levels; seems like everyone with a wire in suburbia to record-breaking superstations; had huge fun." Ed, N1UR, says, "Wow! The best low band conditions ever experienced in a contest." Egbert, ON4CAS, summed up the feelings of many: "Running barefoot into a tribander beam is all you need. I heard rumors that it will take yet another year before we all enjoy the next CQ WW. Please tell me it's not true." The CQ WW is a fantastic competition which brings out the best in CW contesters of skill levels. As Col, VK4CC says, "I have been learning the Morse code for 6 months and this was my first CW contest. I enjoyed it immensely and look forward to the next one."

Just turn on your radio and you can join in the fun. Once you listen to the bands during the CQ WW, you will be hooked. You can be guaranteed to have a good time. Here are presented the results of the efforts the entrants. Read on to see how you and your friends ended up.

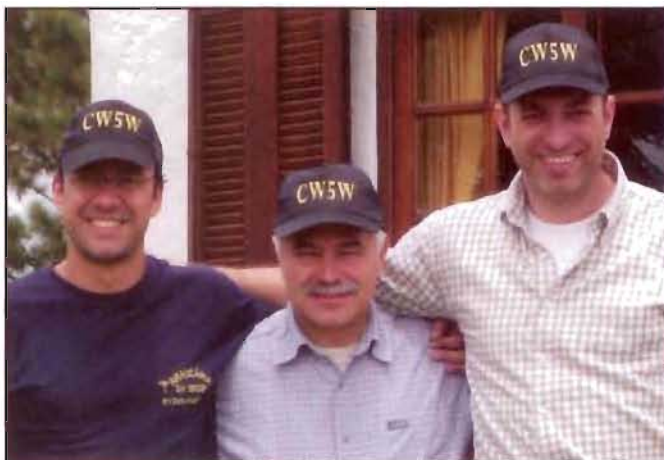
## High Power

The competition for first place world is always tough. Taking first place this time was Valery, RD3AF, keying EF8M to first place. Not far behind was Jose, CT1BOH, operating from CR3E. Jose always can be found as, or near, the top score in the world. Third-place world went to Yuri, VE3DZ who traveled down to PZ5T from cold Ontario. Again taking first place in the U.S. was Randy, K5ZD. Randy sure has the magic touch. Moving up from last year's finish and taking second place in the U.S. from central Pennsylvania was Alex, LZ4AX, operating from K3CR. Third place went to Doug, K1DG, operating from southern New Hampshire. Top honors in Europe, for several years in a row, went to Toni, OH2UA, operating from CR2X. Second-place Europe went to the fine efforts of Felipe, CT1ILT, at the controls of CR6K. Third place in Europe went to Ranko, 4O3A. Other worthy efforts from challenged propagation areas which should be recognized are K6XX, K6NA, KO7AA, K7RL, VU2PAI, VU2PTT, JE1CKA, JH4UYB, JA6LCJ, JA2FJP, JA7DLE, ZS1EL, ST2AR, 8Q7DV, VK6AA, 9M6/KM0O, 9M6XRO, NH2T, and KH6ZN.

The continental winners were: North America V47NT (N2NT); Africa EF8M (RD3AF); Asia P3N (R2AA); Europe CR2X (OH2UA); Oceania NH2T (N2NL); South America PZ5T (VE3DZ); Japan JH4UYB, U.S. K5ZD/1.

## Low Power

The most popular category in the CQ WW is the low power category. All you need is a transceiver and an antenna. Winning any low power category is a real accomplishment. Ending up on top is very special. Finishing again at the top was a familiar callsign, with Joe, AA3B, operating at V26K. Joe has been number one in the world many times. Moving up from his last year's third-place finish into second place in the world was Julio, AD4Z, operating from the Dominican Republic as HI3A. Following closely in third place was Andrey, RA9CKQ, operating from 3V3A. The 2010 results for the top scores in the U.S. were a carbon



CW5W: Fabiano, PY3VK; Leo, CX3AL, and Jorge, CX6VM

copy of 2009. Again taking the top slot was Ed, N1UR. He took away the low power U.S. trophy, while Art, K1BX, again took second place. Third place in the U.S. again went to Marvin, N5AW, from Texas. Taking first place in highly competitive Europe was Tine, S50A. Tine put his QTH in sunny Turjak to very good use. Again finishing near the top in second-place Europe was Gedas, LY3BA, operating LY9A. Finishing in third position in Europe was Petr, OK2PP, operating the club call OL6P. Operating from challenging locations were N6RV, W7YAQ, K5KLA, W0ETT, J28AA, SU9HP, 5Z1N, V51YJ, 5N7M, 5H3EE, 3V3A, 5X1XA, 9J3A, B4S, VU2BGS, HZ1PS, E21YDP, XV2RZ, and V63YT. Their operations were appreciated.

The continental winners were: North America V26K (AA3B); Africa 3V3A (RA9CKQ); Asia RG9A; Europe S50A; Oceania VK4IU; South America PJ4LS; Japan JA1BJI; U.S. N1UR.

## QRP

Running only 5 watts will focus your mind. A whole set of skills are needed to master this category. You learn to avoid packet pile-ups. You learn to choose the right moment to call someone. You can work a lot of stations with 5 watts or less. Our world winner is located in western France overlooking the Atlantic Ocean. His skill and location propelled Laurent, F5MUX, to first place world. Second-place world and first-place USA went to Doug, KR2Q. Doug also holds several QRP world records. You had to travel to Ohio to find the QTH of third-place world and second USA. The honor went to Bill, N8ET. Third-place USA went to Mike, K8CN/1, operating from New Hampshire. Second-place Europe and number four world was Joseph, UU2CW. Fifth-place world and number three in Europe was Krzysztof, SP9NSV. Special mention must be made of the great competition between Izuno-san, JR4DAH, and Manabu-san, JE1RZR, #1 and #2 in Asia, respectively. R9SG, MJ0ASP, UN8PT, JG3CQJ, BA4WI, 7K1CPT, UA0SBQ, JK1TCV, JA0VTK/7, JA9MAT, HS8KGG, 4M6CQ, VY1EI, and JA1KEB are to be congratulated for their outstanding efforts.

The continental winners were: North America KR2Q; Africa EA8IK; Asia JR4DAH; Europe F5MUX; Oceania No Entry; South America PY4ZO; Japan JR4DAH; U.S. KR2Q.

## Assisted

The new emphasis on the assisted categories has been well received. Rowland, K4XD's comments were similar to many positive messages: "Enjoyed the new category of assisted high power single band—80m!" From Suad, DK6XZ, "Thanks to the Contest Committee for extending the

\*e-mail: <[k3est@cqww.com](mailto:k3est@cqww.com)>



awarding/ranking program to the assisted category." With many new awards and records to try to win, the assisted categories are coming into their own. Remember, the use of any QSO spotting tool (Skimmer, any DX spotting help) places you in the assisted category.

The world top assisted spot went to Stefano, IK2QEI, operating from CN3A located in Safi Morocco, 220 km south of Casablanca close to the Atlantic Ocean. Second-place world and number one in North America was a familiar winner, John, K1AR. Third-place world and

number one South America was P40C operated by Alex, KU1CW. Taking first place in Europe again was Sergey, UT5UDX, at ER4A. Second place in Europe went to Andy, SP8BRQ, using contest call SO8A. Third-place Europe was taken by Marco, S51DS, operat-

## TROPHY WINNERS AND DONORS

### SINGLE OPERATOR

#### ALL BAND

##### World

EF8M (Opr.: Valery Komarov, RD3AF)  
Donor: K4FW Memorial (Scott Robbins, W4PA)

##### World - Low Power

V26K (Opr.: Joseph Trench, AA3B)  
Donor: Slovenia Contest Club

##### World - QRP

Laurent Fontaine, F5MUX  
Donor: Gene Walsh, N2AA

##### World - Assisted

CN3A (Opr.: Stefano Brioschi, IK2QEI)  
Donor: Robert McGwier, N4HY

##### World - Assisted Low Power

Alfredo Velez Ramos, WP3C  
Donor: CQ magazine

##### World - Assisted QRP

OK3C (Opr.: Ludek Odehnal, OK2ZC)  
Donor: CQ magazine

##### USA

Randall Thompson, K5ZD/1  
Donor: Frankford Radio Club

##### USA - Low Power

Edward Sawyer, N1UR  
Donor: North Coast Contesters

##### USA - QRP

Douglas Zwiebel, KR2Q  
Donor: Gene Zimmerman, W3ZZ

##### USA - Assisted

John Dorr, K1AR  
Donor: John Rodgers, WE3C

##### USA Assisted - Low Power

James P. Bowman, KS1J  
Donor: CQ magazine

##### USA - Zone 3

Robert Wolbert, K6XX  
Donor: Central Arizona DX Association

##### USA - Zone 4

Steve London, N2IC/5  
Donor: The Society of Midwest Contesters

##### Canada

VY2ZM (Opr.: Jeffrey Briggs, K1ZM)  
Donor: John Sluymmer, VE3EJ & Jim Roberts, VE7ZO

##### Carib./C.A.

V47NT (Opr.: Andy Blank, N2NT)  
Donor: Chuck Shinn, W5PG

##### Europe

CR2X (Opr.: Toni Linden, OH2UA)  
Donor: W3AU Memorial (Pete Raymond, N4KW)

##### Europe - Low Power

Tine Brajnik, S50A  
Donor: Scott Jones, N3RA & Tim Duffy, K3LR

##### Europe - QRP

Joseph Semyonovich, UU2CW  
Donor: CQ magazine

##### Europe - Assisted High Power

ER4A (Opr.: Sergey S. Rebrov, UT5UDX)  
Donor: I4INO Memorial Award (operators of IR4X)

##### Europe - Assisted Low Power

Ricardo Navarrete Lopez, EA4ZK  
Donor: CQ magazine

##### Scandinavia

OH8X (Opr.: Pasi Luoma-Aho, OH6UM)  
Donor: W3FYS Memorial (Chas Weir, Jr., W8UM)

##### Russia

Vadim Ovsyannikov, R9DX  
Donor: Roman Thomas, RZ3AA

##### Africa

CR3E (Opr.: Jose Carlos Cardoso Nunes, CT1BOH)\*  
Donor: K5KA Memorial (Ralph "Gator" Bowen, N5RZ)

##### Asia

P3N (Opr.: Eugene Danielyan, R2AA)  
Donor: Chuck Shinn, W5PG

##### Japan

Masaki Masa Okano, JH4UYB  
Donor: Tack Kumagai, JE1CKA

##### Japan - Low Power

Taro Asao, JA1BJI  
Donor: Western Washington DX Club

##### Oceania

VK6AA (Opr.: Bernd Langer, VK2IA)  
Donor: Chris Tran, ZL1CT

##### South America

PZ5T (Opr.: Yuri Onipko, VE3DZ)  
Donor: Venezuela DX Club

### SINGLE OPERATOR, SINGLE BAND

#### World - 28 MHz

PW2F (Opr.: Marcelo Pedretti, PY2NA)  
Donor: Joel Chalmers, KG6DX

#### World - 21 MHz

ZX5J (Opr.: Hamilton Oliveira Martins, PY2YU)  
Donor: Lew Sayre, W7EV

#### World - 14 MHz

9Y4W (Opr.: James Neiger, N6TJ)  
Donor: W2JT Memorial (North Jersey DX Assn.)

#### World - 7 MHz

Vakhtang Mumladze, 4L8A  
Donor: Alex M. Kasevich, W1CDC

#### World - 3.5 MHz

SN3A (Opr.: Jurek Smoczyk, SP3GEM)  
Donor: Fred Capossela, K6SSS

#### World - 1.8 MHz

Nodir Tursoon-Zadeh, EY8MM  
Donor: Kenneth Byers, Jr., K4TEA

#### USA - 28 MHz

Jeffrey W Hartley, N8II  
Donor: CQ magazine

#### USA - 21 MHz

Brian J Edward, N2MF  
Donor: Bob Naumann, W5OV

#### USA - 14 MHz

Brooke T. Allen, N2BA  
Donor: Northern Illinois DX Association

#### USA - 7 MHz

Paul H Newberry, Jr., N4PN  
Donor: W6AM Memorial (Jan Perkins, N6AW)

#### USA - 3.5 MHz

Lawrence F Emery, K1UO  
Donor: Bill Feldt, NG3K

#### USA - 1.8 MHz

William R. Tippet, II, W4ZV  
Donor: Jeff Briggs, K1ZM

#### Canada (14 MHz)

VE6JY (Opr.: Gary Caldwell, VA7RR)  
Donor: John Sluymmer, VE3EJ

#### Carib./C.A. (21 MHz)

C6ATA (Opr.: Kenneth Silverman, K2KW)  
Donor: David Hodge, N6AN

#### Europe - 28 MHz

ZB2X (Opr.: Jorma Saloranta, OH2KI)  
Donor: Jay Pryor, K4OGG

#### Europe - 21 MHz

Ivica Matkic, E73W  
Donor: Robert Naumann, W5OV

#### Europe - 14 MHz

CT1JLZ (Opr.: Jiri Pesta, OK1RF)  
Donor: G3FBS Memorial (Maud Slater)

#### Europe - 7 MHz

OH5SV (Opr.: Jukka Klemola, OH6LI)  
Donor: Ivo Pezer, 9A3A

#### Europe - 3.5 MHz

Teemu S. Korhonen, SM0W\*  
Donor: K3VW Memorial (Frankford Radio Club)

#### Europe - 1.8 MHz

Drago Turin, S59A  
Donor: Pat Barkley, N9RV & Terry Zivney, N4TZ

#### Japan - 21 MHz

Akito Nagi, JA5DQH  
Donor: Bob Wilson, N6TV

#### Japan - 14 MHz\*

Hirofumi Nakamura, JA6WFM  
Donor: Chris Terkla, N1XS

#### Asia - 21 MHz

9K2HN (Opr.: Faisal Al-Ajmi, 9K2RR)  
Donor: Coconut Wireless Contest Club

#### Asia - 14 MHz

Syuichi Sata, JA7FTR  
Donor: W5FO Memorial (Ralph "Gator" Bowen, N5RZ)

### MULTI-OPERATOR, SINGLE TRANSMITTER

#### World

P33W (Oprs.: RA2FA, UA2FZ, RW4WR, RV1AW, RA3AUU)  
Donor: CQ magazine

#### USA

K1LZ (Oprs.: K1LZ, K1VR, N2OW, K3JO, NU5Y, N8BO)  
Donor: Douglas Zwiebel, KR2Q

#### Canada

VE3EJ (Oprs.: VE3EJ, VE3FU, VE3TA, VE3XB)  
Donor: Eastern Canadian DX Assn.

### Carib./C.A.

ZF1A (Oprs.: K6AM, K5PI, N5DO)  
Donor: Kansas City DX Club

### Africa

D4C (Oprs.: IK2JUB, IK2PFL, IK2NCJ, YL2KL, YL7X)  
Donor: Harry Booklan, RA3AUU

### Asia

C4N (Oprs.: 5B8AD, UA6LP, RN3QY, 5B4AGM, RA6LFO)\*  
Donor: Steve Merchant, K6AW

### Europe

TM6M (Oprs.: F1AKK, F5TTU, F6FVY, F6IFY, F8DBF)  
Donor: Bob Cox, K3EST

### Japan

JG1ZUY (Oprs.: JG1VGX, JI6CUK)  
Donor: Madison Jones, W5MJ

### Oceania - Pacific Rim

KH7X (Oprs.: KH6ND, KH6SH, KH7Y)  
Donor: Junichi Tanaka, JH4RHF

### South America

P40L (Oprs.: W6LD, W8YK, KX7M, N7MH)  
Donor: Araucaria DX Group

### MULTI-OPERATOR, TWO-TRANSMITTER

#### World

CR3L (Oprs.: DJ2YA, DJ6QT, DK7YY, DL1CW, DL5AXX, DL8WAA, K2SX, W2LK)  
Donor: Array Solutions

#### USA

N3RS (Oprs.: N2SR, N3RD, NA3D, K3WI, W8FJ N3RS)  
Donor: Eric Scaze, K3NA

#### Europe

IR4X (Oprs.: I4VEQ, I4TJE, I4YRW, I4EAT, I4IKW, I4LEC, I2WIL, IK4ZGO, IZ4HVM, IZ3EYZ, IK4EWK, IZ4CZE, IK4VET, IK4DCT)  
Donor: Aki Nagi, JA5DQH

### MULTI-OPERATOR, MULTI-TRANSMITTER

#### World

C5A (Oprs.: OK1DIX, OK1DO, OK1FFU, OK1NY, OK1RI, OK8WW/OM2TW, OM2RA, OM5AW, OM6NM)  
Donor: K2GL Memorial (Doug Zwiebel, KR2Q)

#### USA

KC1XX (Oprs.: KC1XX, K1FWE, K1TR, N1KWF, W1FV, WA1Z, W2RQ, KM3T, N9NC)  
Donor: N6RJ Memorial (Bob Ferrero, W6RJ)

#### Europe

DF0HQ (Oprs.: DJ9AO, DL1AUZ, DL1IDL, DL20BF, DL4MM, DL5ANT, DL5AOJ, DL5MLO, DL5SE, DL7ZZ)  
Donor: Finnish Amateur Radio League

#### Japan

JA3YBK (Oprs.: JG3KIV, JG3MRT, JG3WDN, JF4FUF, JF4ETK, JH4NMT, JR4ISF, JS1PWV)  
Donor: Masahiro Kitagawa, JH3PRR

### WORLD - MULTI-MULTI SSB/CW COMBINED

#### PJ2T

59,245,312

Donor: W0ID Alpha Award

### USA - MULTI-MULTI SSB/CW COMBINED

#### K3LR

46,868,406

Donor: N8SM Memorial (Operators of K3LR)

### CONTEST EXPEDITIONS

#### World Single Operator

8Q7DV (Opr.: Vitaly A. Afanas'ev, RN4WA)  
Donor: Friends of Phil Goetz, N6ZZ

#### World Multi-Operator

ZL8X (Oprs.: DJ5IW, DJ7EO, DJ9RR, DK1II, DL1MGB, DL3DXX, DL5CW, DL5LYM, DL5XL, DL6FBL, DL8LAS, DL8OH, SP5XVY, SV2KBS)  
Donor: Carl Cock, AI6V

### SPECIAL - SINGLE OPERATOR AWARD

#### World SSB/CW Combined

CR2X (Opr.: Toni Linden, OH2UA)  
25,463,656

Donor: Hrane Milosevic, YT1AD

#### CLUB

#### World SSB/CW

Yankee Clipper Contest Club  
373,204,929

Donor: W1WY Memorial (CQ magazine)

#### Non-USA SSB/CW

Bavarian Contest Club  
273,274,061

Donor: N6AUV Memorial (Northern California Contest Club)

\* Second Place



ing at S59ABC located in beautiful Maribor. Second place in the U.S. was taken by someone who knows the assisted category very well, Charles, K3WW. Kam, N3KS, took third place from Towson, Maryland. The strong efforts of J28RO, CT3KN, Z24EA, TC7M (R5GA), BD2SH/7, VR2XLN, JS3CTQ, XV1X, UP2L, VP2V/N3DXX, A65BP, HZ1FS, OY1CT, MD2C, FO8RZ, and WH2D gave many entrants nice multipliers.

The continental winners were: North America K1AR; Africa CN3A (IK2QEI); Asia TC7M (R5GA); Europe ER4A (UT5UDX); Oceania FO8RZ; South America P40C (KU1CW); Japan JA6GCE; U.S. K1AR.

## Assisted Low Power

"My first CQ WW CW in assisted class in many years. I entered because CQ is now recognizing low power assisted as a real class," said Dan, K2YWE. You will notice in the results that low power assisted now has a separate listing. We hope this category will continue to grow.



OM8A: 9A4M, OM3BH, OM7JG, OM3RM, OM3GI, 9A3XV, OM2VL (absent in the photo OM5KM and OM5CM)

## TOP SCORES

WORLD		3.5 MHz		UNITED STATES		3.5 MHz		EUROPE		3.5 MHz	
Single Operator		High Power		Single Operator		High Power		Single Operator		High Power	
All Band		All Band		All Band		All Band		All Band		All Band	
EF8M	15,117,795	UK9AA	538,656	K5ZD/1	8,940,786	N8BV	144,402	CR2X	10,206,848	G6MC	207,872
CR3E	14,208,754	G6MC	207,872	K3CR	8,433,803	K9UIY	48,880	CR6K	8,691,975	OK7U	170,625
P25T	13,498,726	OK7U	170,625	K1DG	8,239,191	NY3B	24,871	4Q3A	7,487,742	J43J	151,601
V47NT	11,884,348	GW3YDX	237,511	K1RX	7,096,752	W7RH	6,188	T7OA	5,929,938	GW3YDX	237,511
P4OW	11,728,152	C6ARR	143,612	K1TD/4	7,013,228	NA4W	966	OE3K	5,849,288	YT4A	71,485
		YT4A	71,485			W0RDSB/9	684			OM0TT	62,522
28 MHz		1.8 MHz		28 MHz		1.8 MHz		28 MHz		1.8 MHz	
PW2F	489,580	ORP		N8H	26,025	ORP		ZB2X	307,983	ORP	
CE1K7CA	387,251	All Band		W3EP/1	24,852	All Band		LZ7J	62,905	All Band	
ZB2X	307,983	F5MUX	1,765,170	W5MJ	21,490	KR2Q	1,177,344	Y08AXP	34,340	F5MUX	1,765,170
		KR2Q	1,177,344			N8ET	867,928			U02CW	816,462
		N8ET	867,928			K8CN/1	479,520			SP9NSV	752,199
		U02CW	816,462			N4JF	475,306			F5VBT	651,480
		SP9NSV	752,199			W6JTI	461,616			LY5G	647,559
21 MHz		Assisted High Power All Band		21 MHz		Assisted High Power All Band		21 MHz		Assisted High Power All Band	
ZX5J	2,306,516	CN3A	11,818,159	N2MF	527,238	K1AR	9,314,394	E73W	598,455	ER4A	8,169,728
VK6LW	998,200	K1AR	9,314,394	NSRZ	394,785	K3WW	8,520,192	M3W	343,944	S08A	5,478,840
9K2HN	797,860	P40C	8,661,499	K0EJ/4	345,168	N3KS	4,881,520	G00RH	268,226	S59ARC	5,460,392
		CT3KN	8,552,478			K9NW	4,857,065			UW3U	5,383,433
		K3WW	8,520,192			N1EU/2	4,694,404			DL8DYL	5,318,640
14 MHz		Assisted Low Power All Band		14 MHz		Assisted Low Power All Band		14 MHz		Assisted Low Power All Band	
9Y4W	1,628,968	WP3C	5,087,744	N2BA	575,476	KS1J	2,371,082	CT1JLZ	1,142,835	EA4ZK	2,008,175
FA8CUU	1,339,464	VP9I	2,492,424	W7WA	573,857	K3AU	2,047,520	CR6T	1,057,636	LZ3ZZ	1,973,362
CT1JLZ	1,142,835	KS1J	2,371,082	WB9Z	542,409	W3KB	1,428,313	GM3X	641,763	S52OP	1,901,025
		PY2SEX	2,241,308			W0VX/5	1,289,532			EROFED	1,752,457
		K3AU	2,047,520			W04AHZ	1,138,865			IK2HDF	1,610,840
7 MHz		Assisted ORP All Band		7 MHz		Assisted ORP All Band		7 MHz		Assisted ORP All Band	
4LSA	1,554,168	DK3C	1,385,265	N4PN	900,502	K1UO	528,478	OH0V	876,512	OK3C	1,385,265
YW4D	1,518,288	N1TM	627,900	N3RR	541,164	W12E/3	109,662	OK1Z	710,684	HA1ZH	623,604
TC4X	1,502,662	HA1ZH	623,604	N6MA/7	325,118	K7BG	59,940	YL3FT	661,745	UR5LAM	607,910
		UR5LAM	607,910					DY6A	412,032	US2I2	543,752
3.5 MHz		Low Power All Band		3.5 MHz		Low Power All Band		3.5 MHz		Low Power All Band	
SN3A	842,337	V26K	8,145,372	K1UO	528,478	W4ZV	138,650	SN3A	842,337	EA4ZK	2,008,175
EA8CMX	705,778	H3A	6,064,268	W12E/3	109,662	WF2W	96,000	SM0W	635,345	LZ3ZZ	1,973,362
SM0W	635,345	3V3A	5,949,447	K7BG	59,940	K4PI	89,666	UX2X	471,555	S52OP	1,901,025
		5H3EE	4,176,816							EROFED	1,752,457
		RG9A	3,920,616							IK2HDF	1,610,840
1.8 MHz		Assisted ORP All Band		1.8 MHz		Assisted ORP All Band		1.8 MHz		Assisted ORP All Band	
EY8MM	290,510	DK3C	1,385,265	W4ZV	138,650	KS1J	2,371,082	S59A	273,171	OK3C	1,385,265
S59A	273,171	N1TM	627,900	WF2W	96,000	K3AU	2,047,520	OM0WR	182,457	HA1ZH	623,604
VE3ZI	210,558	HA1ZH	623,604	K4PI	89,666	W3KB	1,428,313	OH4A	174,158	UR5LAM	607,910
		UR5LAM	607,910			W0VX/5	1,289,532			US2I2	543,752
Low Power All Band		Multi-Operator Single Transmitter		Low Power All Band		Multi-Operator Single Transmitter		Low Power All Band		Multi-Operator Single Transmitter	
V26K	8,145,372	P33W	23,058,276	N1UR	3,826,392	K1LZ	15,509,224	S50A	3,526,623	TM6M	12,965,378
H3A	6,064,268	D4C	21,531,924	K1BX	3,422,896	K5G0	9,445,170	LY9A	2,288,358	OM8A	12,538,560
3V3A	5,949,447	P40L	18,179,970	NSAW	2,869,060	K8AZ	9,282,270	OL6P	2,219,948	IR4M	11,621,108
5H3EE	4,176,816	ED9M	16,616,051	N8AA	2,608,040	KT3Y/4	9,015,496	RL6M	1,668,282	RU1A	11,386,749
RG9A	3,920,616	K1LZ	15,509,224	K1PT/4	2,332,408	W3UA/1	8,300,208	SQ9UM	1,339,175	OM7M	11,220,295
28 MHz		Multi-Operator Two Transmitter		28 MHz		Multi-Operator Two Transmitter		28 MHz		Multi-Operator Two Transmitter	
CW3D	248,847	CR3L	26,836,704	K4WI	24,779	N3RS	17,152,465	FBAKC	30,600	IR4X	15,031,474
PY2MTS	174,561	PJ4A	22,682,430	W6VK2IMM	3,648	WE3C	16,806,310	YU5ZM	20,992	LX7I	14,409,800
VR2EH	103,329	9LSVT	22,471,792	AA7DJ	2,201	KB1H	10,627,380	S54A	15,912	9A1P	13,388,294
		N3RS	17,152,465			N4YW	10,504,623			IR9Y	11,039,616
						K0TV/1	9,879,606			H89CA	10,758,535
21 MHz		Multi-Operator Single Transmitter		21 MHz		Multi-Operator Single Transmitter		21 MHz		Multi-Operator Single Transmitter	
CO8LY	586,560	P33W	23,058,276	W1MU	276,086	K1LZ	15,509,224	EA3GXJ	339,434	DFDHO	19,547,636
Z17VR	554,692	D4C	21,531,924	K1ZR	232,509	K5G0	9,445,170	Z33F	134,131	EA2EA	18,933,580
CX9AU	550,256	P40L	18,179,970	WB4TDH	215,775	K8AZ	9,282,270	YT1Q	121,044	LZ9W	17,987,425
		ED9M	16,616,051			KT3Y/4	9,015,496			9A1A	17,399,915
		K1LZ	15,509,224			W3UA/1	8,300,208			YT2W	14,739,840
14 MHz		Multi-Operator Two Transmitter		14 MHz		Multi-Operator Two Transmitter		14 MHz		Multi-Operator Two Transmitter	
C6AKX	938,304	CR3L	26,836,704	W2AW	367,023	N3RS	17,152,465	S57DX	412,753	IR4X	15,031,474
CE3AA	636,168	PJ4A	22,682,430	N4U/5	309,537	WE3C	16,806,310	HG4F	267,150	LX7I	14,409,800
5X1XA	445,773	9LSVT	22,471,792	N4M0	183,141	KB1H	10,627,380	DL4AAE	247,506	9A1P	13,388,294
		N3RS	17,152,465			N4YW	10,504,623			IR9Y	11,039,616
						K0TV/1	9,879,606			H89CA	10,758,535
7 MHz		Multi-Operator Single Transmitter		7 MHz		Multi-Operator Single Transmitter		7 MHz		Multi-Operator Single Transmitter	
C6ATA	1,343,952	P33W	23,058,276	W2EG	228,186	K1LZ	15,509,224	SP60JE	380,688	DFDHO	19,547,636
SP60JE	380,688	D4C	21,531,924	WA1FCN/4	171,258	W3LPL	25,682,352	GWOETF	259,260	EA2EA	18,933,580
4K6FO	369,289	P40L	18,179,970	NS3T	101,120	K3LR	25,621,024	RK4SA	206,850	LZ9W	17,987,425
		ED9M	16,616,051			K1TTT	18,389,852			9A1A	17,399,915
		K1LZ	15,509,224			W2FU	17,558,016			YT2W	14,739,840



Second  
one who  
Charles,  
from Tow  
J28RO,  
BD2SH/  
VP2V/N3  
FO8RZ,  
multiplier:  
The cc  
ica K1AR  
(R5GA),  
FO8RZ:  
Japan JA

## Assiste

"My first C  
years. I en  
ing low po  
Dan, K2YV  
low power  
We hope t

## WQJ Single C High F All B

EF8M  
CR3E  
PZ5T  
V47NT  
P40W

## 28 MHz

PW2F  
CE1/K7CA  
ZB2X

## 21 MHz

ZX5J  
VK6LW  
9K2HN

## 14 MHz

9Y4W  
EA8CUIJ  
CT1JLZ

## 7 MHz

4LBA  
YV4D  
TC4X

## 3.5 MHz

SN3A  
EA8CAX  
SM0WV

## 1.8 MHz

EY8MM  
S59A  
VE3ZI

## Low Power All Band

V20K  
H13A  
3V3A  
5H0EE  
RG9A

## 28 MHz

CW3D  
PY2MTS  
VR2EH

## 21 MHz

CO8LY  
ZL7VR  
CX9AU

## 14 MHz

CGAKX  
CE3AA  
3X1XA

## 7 MHz

CGATA  
SP6QJE  
4K6FO

# BAND-BY-BAND BREAKDOWN—TOP ALL BAND SCORES

Number groups indicate: QSOs/Zones/Countries on each band

## WORLD TOP SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15	10
EF8M	205/14/59	673/23/75	2448/32/103	1363/33/90	1529/32/107	1380/24/101
CR3E	320/17/52	892/25/79	2060/33/97	1354/32/102	1911/27/105	706/23/87
PZ5T	141/17/32	870/25/84	1449/30/103	1879/36/121	1727/36/119	569/24/81
V47NT	438/15/63	752/22/79	2169/32/114	1833/34/106	1747/26/93	354/20/64
P40W	404/18/61	1072/25/82	1324/31/94	1392/32/93	1397/31/93	910/20/68

## WORLD TOP SINGLE OPERATOR ASSISTED ALL BAND

CN3A	165/13/58	715/21/85	1304/29/99	1123/34/116	1639/33/124	783/26/95
K1AR	137/15/62	553/29/113	1327/39/138	1122/38/145	932/30/126	7720/52
P40C	147/18/44	945/21/82	1298/25/85	1400/33/98	997/28/82	580/17/38
CT3KN	65/11/36	738/19/76	1176/25/85	854/27/90	1820/30/105	414/24/78
K3WW	180/20/78	575/27/108	1272/36/130	1170/38/134	740/29/116	63/15/43

## WORLD MULTI-OPERATOR SINGLE TRANSMITTER

P33W	387/18/79	1253/29/115	2267/37/151	2554/40/150	1858/37/152	640/30/104
D4C	121/20/83	610/29/112	1703/39/130	1589/37/149	2158/37/150	1873/31/131
P40L	227/18/67	856/29/106	2230/37/137	1694/38/140	1957/35/138	751/21/63

## WORLD MULTI-OPERATOR TWO TRANSMITTER

CR3L	415/16/68	1517/26/95	3371/37/123	2784/37/132	2773/30/107	676/27/103
PJ4A	520/14/58	1053/26/96	2934/35/121	2528/36/111	2518/30/100	1210/25/86
9L5VT	212/13/57	952/22/84	1986/33/119	2019/37/126	3015/35/136	1839/22/100

## WORLD MULTI-OPERATOR MULTI-TRANSMITTER

C5A	806/22/83	1644/31/103	3444/36/128	4032/40/154	3241/38/151	2011/29/132
PJ2T	1052/22/88	1800/27/108	3278/35/119	2901/37/130	2869/34/124	1463/23/79
KC1XX	584/27/98	2003/34/132	2700/40/162	2525/38/163	1797/36/151	476/25/107

## USA TOP SINGLE OPERATOR ALL BAND

Station	160	80	40	20	15
K5ZD/1	163/15/57	721/24/90	1350/35/114	1202/35/122	1075/29/106
K3CR	145/16/66	664/27/98	1267/35/120	1154/34/113	946/32/105
K10G	279/20/80	721/24/89	1120/29/111	1139/31/107	1003/28/107
K1RX	205/17/63	720/23/89	1112/32/97	1207/31/95	895/27/101
K1T0/4	61/17/42	389/23/79	1525/33/109	1174/34/111	612/31/105

## USA TOP SINGLE OPERATOR ASSISTED ALL BAND

K1AR	137/15/62	553/29/113	1327/39/138	1122/38/145	932/30/126
K3WW	180/20/78	575/27/108	1272/36/130	1170/38/134	740/29/116
N3KS	12/6/9	281/24/80	780/31/120	869/33/125	750/31/127
K9NW	143/23/68	376/29/106	406/34/123	723/37/138	557/31/119
N1EU/2	70/16/60	215/23/91	508/35/126	816/35/135	521/32/129

## USA MULTI-OPERATOR SINGLE TRANSMITTER

K1LZ	262/24/96	898/29/119	1956/39/152	1437/39/155	1233/36/142
K5GO	89/23/78	557/31/117	1245/39/149	1387/38/148	798/33/126
K8AZ	196/19/70	689/28/107	1021/37/137	1176/38/146	926/34/135

## USA MULTI-OPERATOR TWO TRANSMITTER

N3RS	181/21/85	1194/31/125	2195/40/151	1868/37/148	1205/36/142
WE3C	130/22/93	1106/31/119	1919/40/149	2172/37/143	1342/34/134
KB1H	71/14/44	901/28/101	1034/35/126	1814/35/138	1177/31/128

## USA MULTI-OPERATOR MULTI-TRANSMITTER

KC1XX	584/27/98	2003/34/132	2700/40/162	2525/38/163	1797/36/151
W3LPL	651/28/98	1865/35/136	2417/40/159	2772/39/164	1680/37/152
K3LR	546/28/102	1443/35/133	2442/40/167	2729/39/166	1746/36/151



Jerome, N4JF, 4th USA QRP

Taking first-place world in the difficult category was Kyle, WA4PGM, operating from the VP9I club station. Number two in the world and first in the U.S. was Jim, KS1J. Third-place world and first in South America was Alex, PY2SEX. Here in the U.S. second place went to Dan, K2YWE, operating at K3AU. The third position in the U.S. went to Keith, W3KB. Taking away the top position in Europe was Rick, EA4ZK, located in the countryside south of Madrid. The second spot in Europe went to Aleko, LZ3ZZ, near Lake Kaprinka. The third position in Europe went to Sandi, S52OP, operating from the countryside north of Pluj. Putting in outstanding efforts from challenging locations were 6V7Y, RV9CX, BD1EFO, VR2PX, J11RXQ, JH1RNI, JT0YAB, DU1/JJ5GMJ, W6TMD, N6NG, W0VX/5, WU8B/9, N0HR, and AD1C0.

The continental winners were: North America VP9I (WA4PGM); Africa EA8BQM; Asia RV9CX; Europe EA4ZK; Oceania DU1/JJ5GMJ; South America PY2SEX; Japan J11RXQ; U.S. KS1J.

## Multi-Single

A winning multi-single station takes a lot of thought. A really competitive MS is two very good operators who can run and find multipliers. Setting

a new world record, atop of the world standings, was the effort of a new team, manned by a fine Russian team. Moving into the multi-single category and taking second place world was the Italian/Latvian team at D4C position in the world was the USA team at P40L. Multi-single competitive, especially within Europe. Taking the top European was TM6M from Brittany. Finishing second was the Slovak Group, OM8A. Third place went to the Romagna Contest Team east of Firenze in Montecodruzzo. In the U.S., the job done by team was a lesson in how to operate MS. They made an outstanding score and ended up 6-million points ahead. The win for second place went to K5GO out in Arkansas. What a great effort from Stan's Third-place U.S. went to the perennial top-placing efforts from team at K8AZ. Out in the western states, W7DR/6 was on top, followed by N7DD. Outstanding performances were turned in by many teams. A few of the calls appearing in many logs were: D4C, ED9M, B7P, C4N, A73A, UO1P, A73A, HS0AC, AH2R, YE1C, ZM1A, ZM4T and AH0DX.

The continental winners were: North America K1LZ; Africa D4C; P33W; Europe TM6M; Oceania KH7X; South America P40L; JG1ZUY; U.S. K1LZ.

## Multi-Two

The Multi-Two category takes a lot of planning. Not only do you need an excellent team, you also have to time your band moves carefully. Again team CR3L took advantage of its location to find band openings to the U.S. and Europe. The German/U.S. team of CR3L ran a successful campaign for world top honors. Second-place world honors went to the U.S. team of PJ4A on the new DXCC country of Bonaire. Taking third place world was the Voodoo contesters, 9L5VT. The call sign was in honor of K5VT, one of their members who passed away. First place in Europe was captured by Philippe's team at LX7I. Located on the beautiful coast of Istria, the team of 9A1P took third-place honors for U.S. top honors was among Frankford Radio club team. Out on top was Sig's team at N3RS. They were followed by WE3C's station also in eastern Pennsylvania. Third place in the world went to KB1H operating from East Killingly, Connecticut. In teams of 7J1YAJ and JA1ZGP finished first and second, respectively. Several stations put rare multipliers on the air and made a big difference. When great operators activate tough places, they make a difference.











has its own set of records. The records are maintained on the <cqww.com> website. If you discover an error in the records, please document it and let us know at <questions@cqww.com>. The records for the new assisted categories, low power and QRP are now included. The following stations used their skills to obtain new CW records. Congratulations!

**World:** L1.8 GW3YDX; A21 HK1R; A14 HK1X; MS P33W. **U.S.:** A K5ZD/1; 7 N4PN; L3.5 NA8V; AA K1AR; A7 K1IG; A3.5 KV0Q; A1.8 K1LT/8. **North America:** A V47NT (N2NT); L7 C6ATA (K2KW); L1.8 C6ARR (N6BT); AA K1AR; A7 K1IG; A3.5 KV0Q. **Africa:** Q21 SU/HA3JB; MS D4C. **Asia:** A P3N (R2AA); L3.5 UK9AA; Q7 UN0L. **Japan:** No records. **Europe:** A CR2X (OH2UA); 3.5 SN3A (SP3GEM); L1.8 GW3YDX; Q7 HG1DX (HA1XR); A21 EA6FO; MS TM6M. **Oceania:** A21 ZL1BYZ. **South America:** 21 ZX5J (PP5JR); A21 HK1R; A14 HK1X; A7 PW2B (PY2HL); A1.8 PV8DX.

## Special Mention

"Wow DXCC on 20 and 40 meters," commented AB0RX. "Very pleased with the 96 countries, 25 zones, and 355 Qs with a quarter-wave vertical. Thanks for a great contest," from K2RR. If you want to work rare and interesting places over a weekend, the CQ WW is famous for many DXpeditions. Some of the entrants making the contest more interesting for all of us were: V26K, 8P5A, V31BD, J79WTA, HI3A, FS/K9EL, FS/K9NB, J39BS, HR1RTF, TO5T, YN4SU, HK0GU, TO3A, PJ5/SP6EQZ, V47NT, VP5CW, ZD8O, VQ9LA, EA9IB, J28AA, SU0HP, 5Z1N, 5Z4EE, 5R8WW, CN2R, CN8YR, V51YJ, 5N7M, ST2AR, 5H3EE, 3V3A, 5X1XA, 9J3A, TC4X, TA3AX, TA3/OZ1AA, 4K6FO, 4K9W, B4S, 4L0A, 4L8A, 4L2M, VR2EH, VU2PTT, VU2PAI, VU2BGS, UO0L, UN9L, 9K2HN, 9K1YM, EX2X, EX2A, OD5NJ, 8Q7DV, JT5DX, A45XR, HZ1PS, 7Z1SJ, 9V1YC, 4S7KM, BU2AV, BW3/DJ3KR, EY8MM, EY7BJ, HS0ZEE, E21YDP, ZC4LI, UK9AA, XV2RZ, 9M2TO, 9M2MRS, C31CT, OY6A, ZB2X, MU0FAL, GD4EIP, GJ2A, 9H1XT, 4O3A, T70A, G27V, JW1CCA, ZL7NV, ZL7VR, 9M6/KM0O, 9M6XRO, 9M6YBG, 9M8YY, NH2T, V63YT, R1ANP, PJ4LS, FY5FY, PZ5T, MJ0ASP, SU/HA3JB, VP9I, FM5LD, YS1GR, IH9X, IH9X, J28FO, CN3A, 6V7Y, Z24EA, BD2SH/7, BD1EFO, VR2XLN, VR2KW, VR2PX, OD5KU, JT0YAB, HZ1FS, A65BP, A65CA, XV1X, 3W1M, ZA/HA1ZN, SV5DKL, OY1CT, GU4YOX, MD2C, MD4K, MD6V, KG6DX, FO8RZ, ZF1A, VP2MSC, H7V, D4C, ED9M, 5C5T, 4K7Z, B7P, BY8AC, BA4ALC, BY3CQ, P33W, C4N, VU2RMS, A63A, HS0AC, TA1KB, AH2R, YE1C, ZK2A, AH0DX, VPE/K1XM, 9L5VY, TC3A, B1Z, P3F, ZA3HA, 9H3TX, AH0BT, PJ4A, IH9GPI, C5A, 9M2SDX, ZL8X.

## Comments

Conditions were excellent to strange. Nevertheless, contesters found a way to extract the maximum CW fun. The low bands were outstanding. In spite of the conditions, the 2010 CQ WW CW contest set an all-time high! We received 6,129 CW contest logs, of which about 6,000 were electronic! Between the SSB and CW WW DX Contests 12,700 logs were received! If you want to have fun and work a lot of DX, the CQ WW is the place to be.

Your continued submission of an electronic log allows the CQ WW CC to process the enormous amount of data received. We have again provided open logs so that you can learn about propagation and how the top scorers do their operating. Thanks to all the contesters around the world who sent in a log. Please send in your log no matter how small. Submitting an electronic log is easy. Send your CW log to <cw@cqww.com> (SSB log to <ssb@cqww.com>). Please send your log in Cabrillo format. If you did everything OK, you will get back an acknowledgment. If your radio has the capability, please submit a log with exact frequencies for each QSO. Please make sure the correct category is indicated and the call you used in the contest is shown. Enter the contest to have fun, meet friends, perhaps work some new ones, and fairly compete. You can see information concerning the CQ WW on the contest web page at: <http://www.cqww.com>.

The announcement last year of an increased award system for assisted entrants was very well received with praise for this change. The assisted categories are fast becoming the place to have fun by using the internet. New trophies and two completely new award programs are now available: low power and QRP assisted. All assisted categories are fully competitive and fun. Maintaining a separation between the assisted and non-assisted categories has been a challenge for the CQ WW CC. The honesty of entrants within the top scores box must be a big priority. The top scores box includes all trophy and many certificate winners. Please remember, the use of QSO help—a spotting network of any kind—places you in the assisted category. When you do use a spotting aid, please claim to be assisted. Other entrants are counting on you to do what is ethically correct, and that is to indicate the category you operated. Remember the use of undeclared packet, the use of additional operators for a single operator entry, two signals at the same time on the same band or on separate bands at the same time, if you are single operator, is in violation of the CQ WW rules. Remember, if you plan to try to make the elite Top Score box, you can count on your log being carefully checked to ensure fair play. The contesters trying to achieve a position in the Top Scores box must realize the necessity of honesty in their efforts. In a perfect world we would not have to spend extra effort to check potential top contenders; however, some entrants feel they must win even if it means not following the

rules. Those few entrants who make the Top Scores box are important because they set an example of what is possible in our sport. The CQ WW CC fully supports the Contesting Code of Ethics produced by the World Wide Radio Operators Foundation. The code can be found at <http://www.wwrof.org/contesting-code-of-ethics/>.

Recent advances in software and hardware continue to provide new ways to verify an entrant's results. The CQ WW CC has access to the full contest for each band from various recording sites around the world. Aside from providing educational data, we can now check whether an entrant has two signals on the air at the same time on a band. As you can guess, transmissions of this type are against the rules. Many multi-operator stations still do not prevent the chance of two simultaneous signals via an interlock system. A new rule has been written requiring all stations with the possibility of two transmitters on a single band to have a software or hardware interlock to prevent signal overlap. In simple words, if you have two transmitters on a band, you must have an interlock.

The new Xtreme category allows for innovation and implementation of new technologies. The results of the Xtreme category can be found on the CQ WW <cqww.com> and CQ <www.cq-amateur-radio.com> websites.

## Thanks

The final scores you see in the results are the product of a lot of work. The CQ WW Committee uses many log-checking tools to make sure you are listed correctly and the winners receive proper recognition. The members of the committee who provided insight into many contesting topics are: CT1BOH, DB7MA, DJ6QT, DL6RAI, E21EIC, ES5TV, F6BEE, G3SXW, HA1AG, IK2QEI, JE1CKA, K1AR, K1DG, K3LR, K3WW, K3ZO, K5TR, K5ZD, K6AW, KM3T, KR2Q, KT3Y, LY3BA, LZ2CJ, N2AA, N2NC, N2NT, N3ED, N5KO, N6AA, N6TR, N6TW, N8BJQ, N9RV, OH2MM, OH6LI, PA3AAV, PP5JR, RA3AUU, S50A, US0LW, VE3EJ, W3ZZ, W5OV, W6OAT, W7EJ, W0YK, YU1EW and ZS4TX. A special thank you to Ken, K1EA, who spent countless hours making the CQWW database the best in contesting. We want to thank Barry, W5GN, who has provided the machinery to send certificates to you in a timely manner.

Congratulations to all the winners and entrants! CU in the 2011 contests!

73, Bob, K3EST

(Continued on page 102)

**INRAD**  
international radio

**Performance Products  
for Your Radio!**

**DX AND CONTEST PROVEN**

sales@inrad.net  
www.inrad.net

PO Box 2110  
Aptos, CA 95001

TEL:  
1-831-462-5511

FAX:  
1-831-612-1815