

2005 IARU HF World Championship Results

Contesting is fun!

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Editor, National Contest Journal (NCJ)

As a resurrected ham, back on the air after many years of inactivity, this was my first experience with a real contest and my first experience with submitting a log. I can tell you, contesting was FUN! Only had a few hours to spend, and only made less than a couple dozen contacts, but generally stations were swift in their responses, and QSOs were short, productive and polite. Even worked a few DX stations. Wow!—WBØGFZ

These comments from Craig, WBØGFZ, highlight why many contesters participate in the IARU contest—not to win, but to have fun. Judging by the record number of logs received for the 2005 event and by the soapbox comments on the ARRL Web site (www.arrl.org/contests/soapbox/index.html), it is obvious that most everyone indeed had fun.

Participation Statistics

ARRL HQ received 3038 logs (includes check logs) for this year's IARU event, which is the second most number of logs received for a single-weekend contest administered by the ARRL (the most was in the 2002 10 m contest—3201 logs). The number of logs for the 2005 event is up almost 23% from last year's event, and sets the new record for IARU HF World Championship participation.

Logs were received from 53 ITU zones this year. The ITU zone with the most submitted logs this year is again Zone 28 (Central and Eastern Europe) with over 700 logs. Zone 8 (East Coast of North America) was second with over 300 logs. Zone 29

(mostly European Russia) was third with almost 300 logs. Zone 45 (Japan), Zone 27 (Western Europe), and Zone 7 (Midwest of North America) followed to round out the Top 6 participating zones.

As expected for a summer contest in the northern hemisphere, 20 m came in with the most Qs—45% of the total (see the accompanying plot). Last year 15 m had the second most Qs, but this year 40 m (21% of the total) edged out 15 m (18% of the total). The shift from 15 m to 40 m reflects the decline of Solar Cycle 23.

And with the delineation of scores by power beginning with the 2004 contest, many new (and several old) records were set. See the accompanying table of records.

New Records—World

Three new records were set for World scores: CN2R (W7EJ op) in the Single Op Phone Only High Power category, ZX2B (PY2MNL op) in the Single Op Phone Only Low Power category and CT3EN (CT1BOH

op) in the Single Op CW Only High Power category.

The CN2R effort obliterated the old 3.16M record from 1999 with an astounding score of 4.72M—a 49% increase in score.

Tight Races—World

In the Multi-Op category, the team at PS2T beat the team at 5B/AJ2O by 5.1%. The PS2T team ended up with 3274 Qs, which was 440 Qs fewer than the 5B/AJ2O group. But the PS2T team really dug into the bands for mults—they ended up with 56 more mults than 5B/AJ2O, and this put them on top.

New Records—W/VE

Four new records were set for W/VE scores: W5ZL in the Single Op Mixed Low Power category, W3LL in the Single Op Phone Only Low Power category, KO1H in the Single Op Phone Only QRP category, and W5GAI in the Single Op CW Only QRP category.

Way to go!

Tight Races—W/VE

Tight races abounded in the 2005 W/VE side of the event. One of the tightest races was in the Single Op Mixed Mode Low Power category where W5ZL won by only 23k over N1UR.

In another extremely tight race in the Single Op Mixed Mode High Power category in Ontario, VE3EJ edged out VE3AT by only 0.7%. VE3EJ's 230 mults (compared to VE3AT's 203 mults) made the difference

Top Ten IARU Society Headquarters Stations

DA0HQ	15,035,488
SN0HQ	14,737,320
TM0HQ	14,018,620
GB5HQ	13,771,600
R9HQ	11,989,770
EM7HQ	11,892,540
YT0HQ	10,301,952
OE50A	10,230,210
T90HQ	9,386,346
OL4HQ	8,860,917

Top Ten IARU Officials

YV5AMH	1,028,800
K1ZZ	486,735
PB2T	86,241
9V1UV	38,976
VE6SH	26,972
PT2ADM	25,725
LZ40ARDF	4,462
(LZ1US,op)	



CT3EN (CT1BOH, op) holds the new Single Op CW Only record.



If you worked AY8A, this is the station and its operator LU8ADX.

Non-W/VE Top Ten

For Class: A = Mixed Mode, B = Phone Only, C—CW Only, D = Multioperator.
For Power: A = QRP, B = Low, C = High

Class	Power	Call	Score	Class	Power	Call	Score	Class	Power	Call	Score
A	A	HA1CW	880,545	B	A	RV3BR	52,096	C	A	G3YMC	89,320
A	A	OK1VBA	264,880	B	A	ES6PA	35,360	C	A	G0DCK	78,182
A	A	ES6PZ	182,088	B	A	SQ2DYF	32,984	C	A	SP3MEP	72,960
A	A	YZ2M	181,625	B	A	SP1DTE	28,762				
A	A	SM3C (SM5CCT, op)	176,358	B	A	DL2EF	12,402	C	B	HA8DU	1,849,460
A	A	RW3AI	163,750	B	A	M5AAV	11,253	C	B	A45WD (YO9HP, op)	1,126,946
A	A	MM3AWD	129,105	B	A	EA1TI	10,759	C	B	UN3M	1,070,284
A	A	US2IZ	120,175					C	B	HG1W (HA1WD, op)	912,665
A	A	US6EX	100,776	B	B	ZX2B (PY2MNL, op)	949,843	C	B	4N0W (YT7AW, op)	911,772
A	A	UT7GX	63,840	B	B	LU4DX	675,672	C	B	UU5WW	783,510
				B	B	CT1DHM	577,676	C	B	UR5HAC	695,412
A	B	HA80IARU (HA1DAC, op)	2,064,540	B	B	CN8SG	575,770	C	B	V31UB (KU5B, op)	595,200
A	B	CT7T (CT1ILT, op)	1,724,565	B	B	7Z1SJ	432,375	C	B	F6HKA	591,838
A	B	9A9D (9A5K, op)	1,322,508	B	B	HK3JH	393,014	C	B	RA9DZ	565,200
A	B	EA7RM	1,035,450	B	B	ON4ADZ	301,936				
A	B	EA5HT	805,016	B	B	DF7YU	294,112	C	C	CT3EN (CT1BOH, op)	3,829,848
A	B	YZ1V (YZ1ZV, op)	767,578	B	B	IK2DZN	288,750	C	C	9A9A	2,766,282
A	B	OH7W	746,382	B	B	SQ9JKW	285,300	C	C	YT6A	2,366,264
A	B	E21EIC	677,820					C	C	CS5A (DF4SA, op)	2,218,788
A	B	OH4W (OH1JT, op)	631,450	B	C	CN2R	4,718,736	C	C	ZC4LI	1,962,401
A	B	OH8W	631,384	B	C	ES5TV	1,869,534	C	C	EA3KU	1,959,616
				B	C	S50A	1,577,776	C	C	P3F (5B4AGN, op)	1,895,411
A	C	3V3B (YT1AD, op)	4,020,304	B	C	RK4FD	1,529,640	C	C	PY2NY (OH2MM, op)	1,751,313
A	C	EA8/OH4NL	2,784,510	B	C	EA5DFV	1,451,560	C	C	S58A	1,750,719
A	C	RG9A (UA9AM, op)	2,514,519	B	C	UT7QF	1,403,910	C	C	OH0W (OH2PM, op)	1,716,605
A	C	HG3M (HA3MY, op)	2,184,305	B	C	CE3BFZ	1,004,562				
A	C	5H3HK	1,742,028	B	C	DJ8OG	939,276	D		PS2T	4,643,716
A	C	UW5Q	1,549,548	B	C	US5D (UT7DX, op)	926,172	D		5B/AJ2O	4,274,928
A	C	ZL1V (ZL1CT, op)	1,520,446	B	C	PT7CB	899,336	D		ZW5B	2,995,592
A	C	LY9Y (LY2CY, op)	1,495,592					D		RL3A	2,837,415
A	C	OH6W (OH1WZ, op)	1,460,640	C	A	HA5KQD	978,832	D		HG6N	2,782,188
A	C	RN3QO	1,406,080	C	A	RN6AL	197,820	D		RU1A	2,643,153
				C	A	UA6LCJ	173,459	D		LR2F	2,321,208
B	A	KP4KE	141,218	C	A	RZ6LV	167,464	D		PJ2D	2,301,564
B	A	EU1AAR	60,520	C	A	LY4BF	143,488	D		RZ9OZO	2,032,539
B	A	UR5MNZ	53,445	C	A	EU8RZ	138,528	D		IR4T	1,875,500
				C	A	SM6EQO	129,789				

W/VE Top Ten

For Class: A = Mixed Mode, B = Phone Only, C—CW Only, D = Multioperator.
For Power: A = QRP, B = Low, C = High

Class	Power	Call	Score	Class	Power	Call	Score	Class	Power	Call	Score
A	A	KA1LMR	98,336	B	A	WB7OCV	5,250	C	A	NU4B	12,350
A	A	W6AQ	70,756	B	A	KC9AMM	4,656	C	A	K4KO	11,130
A	A	K8ZT	39,015	B	A	KG9OX	803				
A	A	VA3NR	32,994	B	A	WA6NOL	377	C	B	WP3C	850,850
A	A	W6RCL	31,752	B	A	WB0IWG	1	C	B	VE3DZ	698,394
A	A	KC2NTB	6,665					C	B	N4PN	604,236
A	A	AD7BN	5,945	B	B	W3LL	203,100	C	B	K8IA	419,760
A	A	NF2L	1,162	B	B	NJ2F	137,676	C	B	N5TW (KE5C, op)	410,412
A	A	KC9ECI	245	B	B	K1WO	110,166	C	B	N4ZZ	393,125
				B	B	AB4GG	102,816	C	B	WB4TDH	363,608
A	B	W5ZL	717,985	B	B	N1DD	101,384	C	B	VE2XAA	345,535
A	B	N1UR	694,784	B	B	N1YWB	99,216	C	B	W5EK	329,448
A	B	VE3JM	566,517	B	B	W8KNO	90,530	C	B	W7YAQ	280,935
A	B	NR3X (N4YDU, op)	490,336	B	B	WB1DX	81,872				
A	B	W9IU	332,150	B	B	NT0F	76,000	C	C	VY2ZM (K5ZD, op)	2,631,694
A	B	WA1Z	295,899	B	B	VE1JS	62,511	C	C	NY4A (N4AF, op)	1,702,701
A	B	VE3XD	281,519					C	C	N2IC	1,403,773
A	B	NA4K	192,640	B	C	K5TR	1,239,836	C	C	KT1V	1,347,787
A	B	WA4JUK	175,182	B	C	W7WA	850,560	C	C	W6YI (N6MJ, op)	1,308,099
A	B	VE2AWR	169,495	B	C	K5NA (KI5DR, op)	766,992	C	C	KH6WT (K1YR, op)	1,254,792
				B	C	K7RL	740,880	C	C	N3BB	1,079,442
A	C	VE3EJ	1,398,860	B	C	VE3LKA (LU7DW, op)	714,878	C	C	WX0B (AD5Q, op)	1,073,984
A	C	VE3AT	1,388,926	B	C	W5KFT (WM5R, op)	639,711	C	C	K0RF	1,038,800
A	C	K3ZO	1,073,710	B	C	WB9Z	630,110	C	C	AA3B	1,020,634
A	C	K6LA	988,306	B	C	K4SSU (NA4BW, op)	591,164				
A	C	K9NW	953,307	B	C	AB5K	526,320	D		K1KI	1,536,156
A	C	K6XX	944,244	B	C	KK1L	475,272	D		K1TTT	1,458,212
A	C	N4GN	602,368					D		NX5M	1,389,564
A	C	KE9I	566,784	C	A	W5GAI	104,400	D		KD4D	1,293,600
A	C	N6ED	541,008	C	A	KG5U	99,535	D		N3AD	1,195,632
A	C	K6NR	508,572	C	A	N6WG	45,201	D		W2GD	1,161,342
				C	A	K5UV	22,760	D		K8AZ	1,116,516
B	A	KO1H	103,341	C	A	AA1CA	22,572	D		KM4M	994,329
B	A	W6QU (W8QZA, op)	16,121	C	A	W8TM	17,794	D		K1PT	911,606
B	A	K9DXR	9,472	C	A	N1TM	16,150	D		K2LE	900,225
B	A	K5YM	6,902	C	A	K14FW	12,728				

even though VE3EJ had fewer Qs (1709 versus 1925).

A battle between STX took place in the Single Op CW Only QRP category. The end result was W5GAI beat KG5U by 5.0%. Again, the winner was the one with the most mults (120 for W5GAI versus 85 for KG5U) even though the number of Qs was in KG5U's favor.

Finally, in the New England battle in the Multi Op category, K1KI ended up with a

5% higher score than K1TTT. As was the trend in the previous tight race results, the K1KI versus K1TTT race went to K1KI—he had 284 mults (and 1650 Qs) compared to K1TTT's 266 mults (and 1765 Qs).

Battle of the HQ Stations

Close to 50 HQ stations participated and submitted logs in this year's event. After the log checking was completed, the DA0HQ crew edged out the SN0HQ gang by just

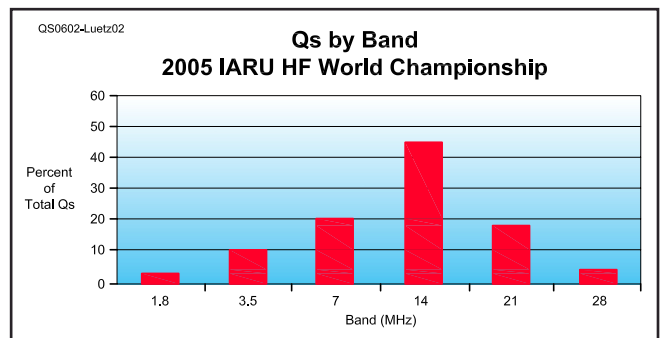
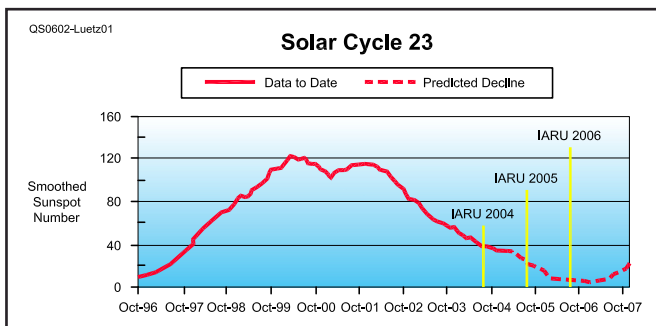
a bit over 2%. Although DA0HQ had 7 fewer mults (416 versus 423), their 2168 more Qs gave them the edge. Congratulations to the DA0HQ team for another First Place finish!

In the battle of the five North American HQ stations, the NU1AW/3 team (at K3LR's Western Pennsylvania QTH and at the Penn State University K3CR QTH) put forth an excellent effort to come out on top. See W9ZRZ's narrative of this operation in

WVE Region Winners

For Class: A = Mixed Mode, B = Phone Only, C—CW Only, D = Multioperator.
For Power: A = QRP, B = Low, C = High

Class	Power	Call	Score	Class	Power	Call	Score	Class	Power	Call	Score	Class	Power	Call	Score	Class	Power	Call	Score
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 Section)				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)			
A	A	KA1LMR	98,336	A	B	NR3X	490,336	A	A	K8ZT	39,015	A	A	AD7BN	5,945	A	A	W6AQ	70,756
A	A	KC2NTB	6,665	A	B	(N4YDU, op)		A	A	VA3NR	32,994	A	A	W6RCL	31,752	A	A	W6AQ	70,756
A	A	NF2L	1,162	A	B	NA4K	192,640	A	A	KC9ECI	245	A	B	W5ZL	717,985	A	B	W6RCL	31,752
A	B	N1UR	694,784	A	B	WA4JUK	175,182	A	B	VE3JM	566,517	A	B	K5NZ	128,780	A	B	WN6K	156,578
A	B	WA1Z	295,899	A	B	KA0GGI	138,820	A	B	W9IU	332,150	A	B	NE0P	63,492	A	B	WA6FGV	117,369
A	B	VE2AWR	169,495	A	B	AA4GA	96,720	A	B	VE3XD	281,519	A	B	KE5LQ	41,503	A	B	VE7FO	112,880
A	B	N2EM	87,906	A	C	W5WMU	491,634	A	B	WW9R	76,330	A	B	K2HT	38,284	A	B	N6EE	102,528
A	B	VA1CHP	80,772	A	C	AD4EB	416,880	A	B	K8GT	64,492	A	B	(K2HT, op)		A	B	VE7NS	74,860
A	C	K3ZO	1,073,710	A	C	KR4M	250,404	A	C	VE3EJ	1,398,860	A	C	KT0R	248,500	A	C	K6LA	988,306
A	C	K3MD	449,407	A	C	WK4Y	179,265	A	C	VE3AT	1,388,926	A	C	KO7X	226,128	A	C	K6XX	944,244
A	C	N4CW	359,402	A	C	K8JQ	146,200	A	C	K9NW	953,307	A	C	W5WP	180,057	A	C	N6ED	541,008
A	C	W2LE	161,750	A	C			A	C	N4GN	602,368	A	C	K4IU	178,970	A	C	K6NR	508,572
A	C	W4ZE	133,038	A	C			A	C	KE9I	566,784	A	C	N0AT	162,012	A	C	KH6YY	382,448
B	A	KO1H	103,341	B	B	NJ2F	137,676	B	A	K9DXR	9,472	B	A	K5YM	6,902	B	A	W6QU	16,121
B	A	WB7OCV	5,250	B	B	AB4GG	102,816	B	A	KC9AMM	4,656	B	B	NT0F	76,000	B	A	(W8ZZA, op)	
B	A	WB0IWG	1	B	B	NU4SC	30,225	B	A	KG9QX	803	B	B	NR9A	33,856	B	A	WA6NOL	377
B	B	W3LL	203,100	B	B	(K3IXD, op)		B	B	W8KNO	90,530	B	B	KE7N	30,690	B	B	N7VPN	31,610
B	B	K1WO	110,166	B	B	WP3GW	29,696	B	B	W4LC	53,618	B	B	W5WRE	24,462	B	B	K7ACZ	27,968
B	B	N1DD	101,384	B	B	K8FK	27,520	B	B	N8RY	49,260	B	B	KA5WSS	22,440	B	B	WK7P	15,093
B	B	N1YWB	99,216	B	C	K4SSU	591,164	B	B	KB8UJZ	45,375	B	B	K5TR	1,239,836	B	B	N7BK	13,533
B	B	WB1DX	81,872	B	C	(NA4BW, op)		B	B	AB9KZ	45,117	B	C	K5NA	766,992	B	B	N7WI	11,739
B	C	KK1L	475,272	B	C	WA4TII	448,746	B	C	VE3LKA	714,878	B	C	(KI5DR, op)		B	C	W7WA	850,560
B	C	WZ3AR	440,228	B	C	AB4EJ	183,568	B	C	(LU7DW, op)		B	C	W5KFT	639,711	B	C	K7RL	740,880
B	C	K1PLX	141,372	B	C	K4VUD	181,683	B	C	WB9Z	630,110	B	C	(W5MR, op)		B	C	W7ZB	234,729
B	C	W3PT	114,660	B	C	NX9T	159,840	B	C	AC8G	146,392	B	C	AB5K	526,320	B	C	KH6FKG	156,536
B	C	WA1NPZ	104,267	B	C			B	C	K9JG	15,925	B	C	K0RH	187,488	B	C	VE7AVV	104,371
C	A	AA1CA	22,572	C	A	K14FW	12,728	C	A	W8TM	17,794	C	A	W5GAI	104,400	C	A	N6WG	45,201
C	A	N1TM	16,150	C	A	NU4B	12,350	C	A	VE3IGJ	175	C	A	KG5U	99,535	C	A	K6II	2,516
C	A	WA2VQV	9,690	C	A	K4KO	11,130	C	A	VE3DZ	698,394	C	A	K5UV	22,760	C	A	N6QQ	1,827
C	A	N2CQ	6,524	C	A	KP3T	6,789	C	B	VE3KP	237,568	C	A	W0EB	9,044	C	A	AA6SS	1,620
C	A	VE9QRP	2,667	C	A	K4KSR	5,208	C	B	K8IR	185,493	C	A	K0AN	5,406	C	A	(W6SSJ, op)	
C	B	VE2XAA	345,535	C	B	WP3C	850,850	C	B	K4WW	131,758	C	B	N5TW	410,412	C	B	K8IA	419,760
C	B	VE1OP	267,855	C	B	N4PN	604,236	C	B	W8GOC	65,853	C	B	(KE5C, op)		C	B	W7YAQ	280,935
C	B	WB2AA	256,032	C	B	N4ZZ	393,125	C	C	K9DX	654,672	C	B	W5EK	329,448	C	B	K6AAB	146,875
C	B	NY1S	244,732	C	B	WB4TDH	363,608	C	C	N8BJQ	606,970	C	B	W5RYA	127,170	C	B	W6/VK2IMM	
C	B	NT2A	236,997	C	B	AA4FU	170,680	C	C	K8BB	374,544	C	B	N5CHA	123,046	C	B	KM6Z	138,510
C	C	VY2ZM	2,631,694	C	C	NY4A	1,702,701	C	C	W8MJ	365,457	C	B	N5RZ	63,825	C	B	KM6Z	112,860
C	C	(K5ZD, op)		C	C	(N4AF, op)		C	C	K2AAW	332,121	C	C	N2IC	1,403,773	C	C	W6YI	1,308,099
C	C	KT1V	1,347,787	C	C	N4OGW	939,720	C	C			C	C	N3BB	1,079,442	C	C	(N6MJ, op)	
C	C	AA3B	1,020,634	C	C	WD4K	760,914	C	C			C	C	WX0B	1,073,984	C	C	KH6WT	1,254,792
C	C	K3WW	920,850	C	C	(K0EJ, op)		C	C			C	C	(AD5Q, op)		C	C	(K1YR, op)	
C	C	W1ZT	673,750	C	C	N2YO	736,380	C	C			C	C	K0RF	1,038,800	C	C	KH6ND	970,630
D		K1KI	1,536,156	D	C	K4RO	719,665	D				C	C	KU1CW	979,864	C	C	N7TT	446,940
D		K1TTT	1,458,212	D				D				C	C			C	C	K6RB	173,400
D		KD4D	1,293,600	D				D				D				D		VE7GL	449,966
D		N3AD	1,195,632	D				D				D				D		N7WA	294,704
D		W2GD	1,161,342	D				D				D				D		N6K1	107,295
				D				D				D				D		K6GBIM	99,450
				D				D				D				D		AA7MY	52,122



the IARU Contest Soapbox section on the ARRL Web site.

Propagation

Before the contest, the planetary K indices were generally 2 and below. On Tuesday and Thursday before the contest, CME activity occurred that caused the K

indices to elevate to 4 on Saturday and to 5 on Sunday. This probably somewhat degraded any high latitude paths. There was no major flare activity before and during the contest period.

Undoubtedly the biggest impact to the contest was the decline of Solar Cycle 23 towards solar minimum. The accompany-

ing plot shows Cycle 23's progress to-date, along with its predicted decline. Solar minimum is predicted to occur between late 2006 and early 2007.

The 2005 IARU contest had considerably worse propagation on the higher bands than did the 2004 event. This can be seen best by comparing the percentage of Qs on 10 m

Non W/VE Continental Leaders

For Class: A = Mixed Mode, B = Phone Only, C—CW Only, D = Multioperator. For Power: A = QRP, B = Low, C = High

Class	Power	Call	Score	Class	Power	Call	Score	Class	Power	Call	Score
Africa											
A	B	EA8CAC	18,422	D		UA0AZA	1,235,433	C	B	V31UB (KU5B, op)	595,200
A	B	6W7RV	1,701	D		RK9CZO	501,354	C	B	XE1NW	243,138
				D		RZ9WXK	458,208	C	B	XE3WAO	100,683
								C	B	XE1CT	67,704
A	C	3V3B (YT1AD, op)	4,020,304	Europe				C	B	HP1AC	45,600
A	C	EA8/OH4NL	2,784,510	A	A	HA1CW	880,545	D		XE1CXC	91,761
A	C	5H3HK	1,742,028	A	A	OK1VBA	264,880	Oceania			
B	B	CN8SG	575,770	A	A	ES6PZ	182,088	A	A	YC3MM	3,348
B	B	EC8ADU	91,797	A	A	Y2ZM	181,625	A	B	DV3ZQR	69,485
B	B	3V8SS (DJ4MH, op)	5,916	A	A	SM3C (SM5CCT, op)	176,358	A	B	VK6DXI	492
B	C	CN2R	4,718,736	A	B	HA80IARU (HA1DAC, op)	2,064,540	A	C	ZL1V (ZL1CT, op)	1,520,446
B	C	ZS5ACT	4,576	A	B	CT7T (CT1ILT, op)	1,724,565	A	C	KH2/K8YU	736,956
C	A	EA8/PA1B	27,550	A	B	9A9D (9A5K, op)	1,322,508	B	B	YB5BO	90,344
C	B	EA8ASJ	389,232	A	B	EA7RM	1,035,450	B	B	DV1JM	86,975
C	B	ZS1AJS	507	A	B	EA5HT	805,016	B	B	4F1MEU	79,732
C	C	CT3EN (CT1BOH, op)	3,829,848	A	C	HG3M (HA3MY, op)	2,184,305	B	B	YB1BAD	60,395
C	C	ET3TK (OK1HWW, op)	752,136	A	C	UW5Q	1,549,548	B	B	YB4IR	48,532
C	C	3DA0KDJ	151,096	A	C	LY9Y (LY2CY, op)	1,495,592	B	C	YB0A	380,165
C	C	ZS1EL	109,200	A	C	OH6W (OH1WZ, op)	1,460,640	B	C	DU1BP	153,335
D		ZS5NK	268,513	A	C	RN3QO	1,406,080	B	C	VK2CZ	24,512
Asia											
A	A	RZ9AWJ	56,852	B	A	EU1AAR	60,520	B	C	YK0JDW	19,824
A	A	RA9HTO	31,008	B	A	UR5MNZ	53,445	B	C	VK2GWK	8,580
A	A	JK1TCV	15,708	B	A	RV3BR	52,096	C	B	ZL1TM	562,076
A	B	E21EIC	677,820	B	A	ES6PA	35,360	C	B	VK4TT	111,228
A	B	T6KBLRM	440,298	B	A	SQ2DYF	32,984	C	B	DS5DNO	59,396
A	B	JM1NKT	381,988	B	B	CT1DHM	577,676	C	B	VK2AR	34,827
A	B	4S7AB	245,532	B	B	ON4ADZ	301,936	C	B	VK2GR	30,753
A	B	RK9CR	213,120	B	B	DF7YU	294,112	C	B	VK1AA	1,071,381
A	C	RG9A (UA9AM, op)	2,514,519	B	B	IK2DZN	288,750	C	C	VK7GN	119,392
A	C	9M2CNC	958,620	B	B	SQ9JKW	285,300	C	C	9M6/G3OOK	79,419
A	C	UA9CMQ	432,864	B	C	ES5TV	1,869,534	C	C	DU1EV	3,128
A	C	RN9XA	399,304	B	C	S50A	1,577,776	D		AH0/NA8O	720,765
A	C	JA3HBF	237,220	B	C	RK4FD	1,529,640	D		ZL4BR	669,639
B	A	JA2MWW	10,580	B	C	EA5DFV	1,451,560	D		YE1ZAT	86,800
B	A	JH3DMQ	5,675	C	A	UT7QF	1,403,910				
B	A	JH8DEH	5,104	C	A	HA5KQDQ	978,832	South America			
B	A	RA9UAD	4,620	C	A	RN6AL	197,820	A	B	PY2WC	416,480
B	A	TA2RX	3,420	C	A	UA6LCJ	173,459	A	B	LU2EE (LW5EE, op)	133,086
B	B	7Z1SJ	432,375	C	A	RZ6LV	167,464	A	B	PY7EG	1,854
B	B	RU9AC	137,496	C	A	LY4BF	143,488	A	C	LU5EML	945,438
B	B	UN7MMM	124,334	C	B	HA8DU	1,849,460	A	C	LT2H (LU7HN, op)	715,939
B	B	UA9ACJ	114,559	C	B	HG1W (HA1WD, op)	912,665	A	C	PT2BW	56,025
B	B	RX9FR	79,440	C	B	4N0W (YT7AW, op)	911,772	A	C	PY2DBU	1,311
B	C	JA7NVF	329,940	C	B	UJ5WW	783,510	A	C		
B	C	UA9JDP	329,056	C	B	UR5HAC	695,412	A	C		
B	C	VR2XMT	260,517	C	C	9A9A	2,766,282	B	B	ZX2B (PY2MNL, op)	949,843
B	C	JH3PRR	112,141	C	C	YT6A	2,366,264	B	B	LU4DX	675,672
B	C	RV9CM	85,692	C	C	CS5A (DF4SA, op)	2,218,788	B	B	HK3JJH	393,014
C	A	JR1NKN	39,280	C	C	EA3KU	1,959,616	B	B	PY2ZR	75,555
C	A	RV9COI	18,732	C	C	S58A	1,750,719	B	B	PT2FE	64,260
C	A	JA1GTF	1,558	D		RL3A	2,837,415	B	C	CE3BFZ	1,004,562
C	A	JA1ABZ	85	D		HG6N	2,782,188	B	C	PT7CB	899,336
C	A	JA6PVO	4	D		RU1A	2,643,153	B	C	AY8A (LU8ADX, op)	862,353
C	B	A45WD (YO9HP, op)	1,126,946	D		IR4T	1,875,500	B	C	LT0H (LU3HY, op)	792,834
C	B	UN3M	1,070,284	D		G5W	1,792,383	B	C	LQ5H (LU3HS, op)	486,850
C	B	RA9DZ	565,200	North America				C	B	PV8DX	160,890
C	B	JL1DUE	360,168	A	B	H18/JA6WFM	230,394	C	B	PY3AU	65,975
C	B	UA9WQK	314,571	A	B	XE2AC	90,282	C	B	PY4CEL	32,994
C	C	ZC4LI	1,962,401	A	B	OX3KV	16,324	C	B	PY8MGB	32,198
C	C	P3F (5B4AGN, op)	1,895,411	A	C	XE1KK	703,494	C	B	PY4FQ	23,700
C	C	UP4L (UN7LZ, op)	1,315,776	B	A	KP4KE	141,218	C	C	PY2NY (OH2MM, op)	1,751,313
C	C	UA9YAB	865,060	B	B	HQ2DMR	48,320	C	C	LU1EWL	190,000
C	C	UA9TF	678,397	B	B	6Y4Y	41,724	C	C	PY2NA	90,032
D		5B/AJ2O	4,274,928	B	B	TG9ANF	30,168	D		PS2T	4,643,716
D		RZ9OZO	2,032,539	B	B	HR2JGG	9,425	D		ZW5B	2,995,592
				B	C	ZF2AH	622,976	D		LR2F	2,321,208
				B	C	XE2K	436,108	D		PJ2D	2,301,564
				B	C	HP3BS	29,854	D		PP5WRTC	1,292,277

and 15 m. In 2004, 10.4% of all IARU Qs were on 10 m and 24.2% were on 15 m. In 2005, those numbers dropped to 4.0% and 18.4%, respectively.

Also included on the Cycle 23 plot is a marker showing where the smoothed sunspot number is likely to be for the 2006 event—pretty much right at solar minimum. It's time to get your 20 m and 40 m antennas in tip-top shape!

2006 Contest

The 2006 IARU HF World Championship will be held the weekend of July 8-9. The announcement will be published in the April 2006 issue of *QST* and the full rules will be found online at www.iaru.org/contest.html. Be sure to join in for the 2006 running, and especially be sure to have fun.

WRTC2006 will be held within the IARU HF World Championships contest. The last

World Radio Team Championship was held in Finland in 2002, and the 2006 event in Brazil promises to be just as exciting and interesting for all IARU participants. For more details on this event, check out the WRTC2006 Web site at www.wrtc2006.com.

Finally, watch for the July/August 2006 issue of *NCJ* (the *National Contest Journal*). It will be a special issue devoted to WRTC2006. 