# 2011 IARU HF World Championship Results

We've come a long way...

Carl Luetzelschwab, K9LA k9la@arrl.net

he July 2011 running of the IARU HF World Championship was very similar to the July 1998 event — both were during the initial ascent of a solar cycle — Cycle 23 for the 1998 contest and Cycle 24 for the 2011 contest. Figure 1 depicts "where we are" and "where we were."

So what's happened to this increasingly popular summer contest in the last 13 years? The most obvious difference is the number of logs submitted. Back in 1998 there were 1340 log submittals. The 2011 event ended up with 3676 log submittals. That's almost a three-fold increase in participation that gives everyone that many more people to work (and don't forget that translates into more stations to work on all the bands and on the two modes, too).

With more logs submitted, one would expect higher scores in 2011 compared to 1998. Indeed, the scores are higher — except for the World Phone category. See the web version online for score details. (I assumed High Power for 2011, whereas the 1998 contest did not delineate power.) But I also believe operator skill, available operator tools and station improvements have pushed scores higher in the 13 years since 1998.

## From Novice Roundup to IARU HF Championship

Jim, N1RU, posted this to the Soapbox area on the ARRL website about IARU 2011: "This was the first contest that I'd entered since the 1981 Novice Roundup. I had a great time. After nearly 20 years off the air, I'm back on HF with a QRP signal and an attic antenna. I'm enjoying ham radio as much as ever, and I'm looking forward to my next contest."

Jim participated in the 1981 ARRL Novice Roundup (NR) as a Technician with the call N3BLZ/T from Maryland-DC. He made 53 QSOs in 29 sections and operated a total of 10 hours: In 1981 the NR was 9 days long and you could operate a total of 30 hours. Welcome back to contesting, Jim!

The old NR was a great event geared toward Novices and Technicians to whet their appetite to contesting, to increase their WAS and DXCC totals, and to increase their code speed. I can vouch that all three of these enticements worked, based on my participation in the 1962 NR.

### **Propagation**

As Cycle 24 continues its ascent, we will experience better propagation. The July 2011 running of the IARU contest took advantage of the improved conditions on the higher bands. Figure 1 shows Cycle 24 is on the increase but what's not certain is how high it will go. Most solar scientists believe is will be below average with a peak smoothed sunspot number of 90 in early 2013.

The 10.7 cm solar flux hovered around 90 for the contest weekend. That's not bad but being in the summer months doesn't help the maximum useable frequency (MUF) on the higher bands as much as it would help in the fall, winter and spring months.

There were a couple of B-Class solar flares (the smallest ones on the B, C, M and X scale) on the 9<sup>th</sup> and 10<sup>th</sup>, but their effect was minimal. The K index was well-behaved for the most part — mostly 3 and under from 1200 UTC on July 9 to 1200 UTC on July 10. The K indices were a bit higher than on previous days due to a high-speed stream of material from a coronal hole.

Overall, we had pretty decent space weather for the 2011 contest, which re-

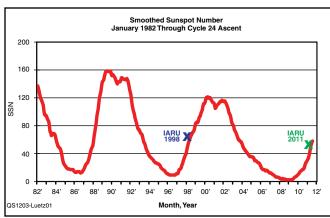


Figure 1 — Solar activity during the 2011 and 1998 IARU contests.

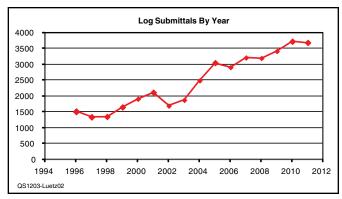


Figure 2 — Log submittals by year.

sulted in pretty decent propagation. Next year should be better with even higher solar flux/sunspot numbers (barring a major solar eruption that would adversely affect the ionosphere).

#### 2011 Participation Statistics

Logs — As mentioned above, the 2011 event had 3676 logs submitted, containing over 1.2 million QSOs. There were almost 1.4 million QSOs in 2010 — no doubt WRTC 2010 in Russia helped last year. The 2011 event didn't break last year's record number of logs of 3714 but it wasn't far behind (only 1% lower). Figure 2 shows a steady increase in log submittals each year.

Zones — Participants from 52 ITU zones submitted logs for the contest. Zone 28 (eastern and southern Europe) led the pack with the most submitted logs — approximately 30% of the logs submitted came from Zone 28. Zone 29 (the old European Russia) was a distant second (approximately 13% of the logs). Rounding out the Top Five was Zone 8 (east coast of North America), Zone 27 (northwestern Europe) and Zone 45 (Japan).

Category and Power — With respect to category and power, CW Low Power was the most popular at just over 21% of the participants. Phone Low Power was next with just under 20% of the participants. In third was Mixed Low Power (15.5%), and in fourth was MultiOp with just under 15%. Only 48 and 47 contesters braved Mixed QRP and Phone QRP, respectively. By category, CW led the group, Phone was second, and Mixed was last. By power, Low Power won handily with over 56% of the participants running barefoot. High Power was second with about 24% of the participants and QRP was third with about 6%.

Bands — As expected from previous years' results, 20 meters had the most QSOs — almost one half of the total. Coming in second for the total of QSOs was 40 meters at about 20% and 15 meters was right behind at 18.4%. With increased solar activity, 10 meters (7.3%) beat out 80 meters (6.4%). As expected, 160 meters was the least-used band at 1.2%.



#### W/VE

Single Operator,
Mixed Mode, QRP

K8ZT NN7SS (K6UFO,	112,592
KS4X W9XN ND3D	72,242 21,632 11,100 8,658

#### Single Operator, Mixed Mode, Low Power VE3DZ 1,196,192

N8OO	1,036,350
K2PO	487,277
K9OM	431,148
NR3X (N4YE	DU, op)
	387,660
W9IU	351,650
N7ZG	317,312
AD4Z	312,984
VE1ZA	237,690
W1WRR	226 980

## Single Operator, Mixed Mode, High Power

VY2ZM (K1Z	(M, op)
•	2,989,540
VE3EJ	2,544,638
K3CR (LZ4A	X, op)
`	2,494,800
N5DX	2,395,215
NK7U (KL9A	, op)
· ·	1,921,539
W2GD	1,582,725
K3ZO	1,478,304
K7RL	1,456,730
W4AN (K4B)	
· ·	1,425,936
K6XX	1,126,816

#### Single Operator, Phone Only, QRP

W6QU (W8QZ/	4, op)
	39,375
NT4TS	21,294
KC5WA	8.502
VA7IR	4.375
VA3WPV	3,332
N6LB	1.020
KD4OFG	960
N8XA	900
AA2VK	209
N6RWT	116
14011111	110

#### Single Operator, Phone Only, Low Powe W4SVO 633,060

W4SVO	633,060
K1WO	110,445
K5DHY	83,904
W5GFI	78,806
VA3GKO	65,504
N8RF	47,988
WBØTSR	42,918
K4WES	38,252
K3FIV	37,520
VE2HIT	34,880

#### Single Operator, Phone Only, High

Power	
W7WA	1,314,975
KK1KW	996,060
WB9Z	799,755
K5ER	293,454
N2RJ	259,000
KM2O	239,580
K9MWM	169,944
NN4F	145,530
K7LY	135,920
AC8G	133,868

## Single Operator,

CW Only, Qn	1F
VE3GTC	100,580
KØPK	80,301
K4QPL	71,024
W5GAI	28,221
AI9K	27,898
KK1W	25,694
VA3RJ	13,275
N3CZ	12,246
N8XX	11,886
K5TA	10,152

## Single Operator,

CW Only, L	ow Power
W1NN	576,774
K2SSS	533,822
VA1CHP	531,632
VE1RGB	492,072
WI2E	423,984
WB4TDH	389,973
KB1T	388,700
KV8Q	325,872
VE3EY	322,230
N2GA	311,454

#### Single Operator, CW Only, High Power

K8PO	2,216,578
AA3B	2,061,210
WC1M	1,762,736
N2IC	1,710,859
NY3A	1,690,242
N4OGW	1,421,192
N9RV	1,389,617
K9NW	1,093,260
K5TR (K5OT,	
	1,066,338
NIAAE	1 011 675

#### Multioperator

NN3W	2,390,710
NØNI	1,878,170
KØRF	1,774,150
K8AZ	1,743,605
NX5M	1,738,100
NR4M	1,557,612
W1UJ	1,536,270
K2LE	1,296,012
WT1T	1,174,187
N1LN	1,117,185

#### Worldwide

#### Single Operator, Mixed Mode, QRP HABBE 520,905 R3VA 328,933 US2IZ 231,568 SP4GFG 181,350 RW7M 159,555 CT7/LZ3ND 155,064 9A2EY 148,992 SP5DDJ 120,704 LY4BF 120,523 KBZT 112,592

#### Single Operator, Mixed Mode, Low Power

LY9A	1,536,954
S53MM	1,240,680
RWØA (RAØA	AM, op)
	1,223,592
VE3DZ	1,196,192
LY4L	1,085,696
JTØYPS (UA	
	1,045,302
N800	1,036,350
7Z1SJ	1,005,916
RW9C	948,090
PY2SEX	936,792

#### Single Operator, Mixed Mode, High

88
00
64
32
14
16

#### 3,135,114 RG3K 3,080,916 R9DX 3,004,410 VY2ZM (K1ZM, op) 2,989,540 ES5TV 2,771,454 2,576,284

#### Single Operator, Phone Only, QRP HG1W (HA1WD, op)

	298,284
HA5BKV (HA	A5NB, op)
	182,864
TG9ANF	145,432
SP4LVK	106,368
IV3AOL	83,974
IZ1JLF	59,994
OK4AS	45,479
W6QU (W80	QZA, op)
`	39,375
MØLPT	38.024
LICEINID	26,672

#### Single Operator, Phone Only, Low Power

Power	
ZX2B	740,624
UV8M (UX3MR	
	705,572
HA3DX (HA4XI	-I, ор)
	653,691
W4SVO	633,060
KP2/AA1BU	632,487
RW1CW	622,557
IW1QN	543,982
CR5M (CT1DH	M, op)
	542,304
UA3BL	416,355
HI3TEJ	399.312

## Single Operator, Phone Only, High Power

PP5XX	2,249,190
ES5RW	1,781,472
US5D (UT7E	OX, op)
	1,511,486
EA4KD	1,377,068
UXØFF	1,373,157
W7WA	1,314,975
YO3CZW	1,172,947
KK1KW	996,060
F4BKV	952,754
EA1PP	909,792

## Single Operator, CW Only, QRP

CW Olliy, Gnr		
UR9QQ	595,629	
OK3C (OK2ZC,	op)	
	551,050	
UU2CW	499,083	
HA6NL	481,580	
RA3AN	425,500	
UA6LCJ	210,456	
DD1IM	176,547	
UA6AK	152,963	
LZ1MG	142,884	
UX8ZA	131,068	

#### Single Operator, CW Only, Low Power

ZC4LI	1,810,575
UX4U (US7L	
	1,538,840
YT3M	1,440,283
LZ3FN	1,408,365
EF3A (EF3A)	
	1,388,860

#### 1,388,860 FP/VA2WA (VA2WDQ, op) 1,093,791 LZ9B (LZ3YY, op)

LZ9R (LZ3YY,	op)
	999,926
LY6A	998,244
RA9AP	905,532
OK2ZI	893,329

#### Single Operator, CW Only, High Power CR6K (CT1ILT, op)

	3,200,31
PJ4C (N5WR,	
	2,967,03
ST2AR	2,948,26
LZ8E (LZ2BE	
	2,731,75
UT5UGR	2,629,56
TA2ZF (UT5U	
	2,387,95
K8PO	2,216,57

#### UW1M (UR5MW, op) 2,212,116 YU1LA 2,206,413 UW3U (UT7UJ, op) 2,114,637

#### Multioperator

P33W	7,236,873
RT4F	4,483,534
UZ2M	4,331,353
C49C	3,780,324
HG6N	3,497,364
403A	3,323,571
SN3R	3,305,904
PS2T	3,059,442
RT5G	2,831,444
RM5A	2 816 105

#### **IARU HF Championship Records**

IANO III Champion	iship necolus		
World Records	Call	Score	Year
Single-Op HP Mixed	3V1A	4,414,517	2007
Single-Op LP Mixed	HG3M (HA3MY op)	2,095,522	2005
Single-Op QRP Mixed	HG5Y	1,067,647	2007
Single-Op HP Phone	CN2R (W7EJ op)	4,718,736	2005
Single-Op LP Phone	D4C	2,975,632	2008
Single-Op QRP Phone	HG1W (HA1WD op)	348,517	2007
Single-Op HP CW	5B/W2TAA (RV1AW op)	4,219,995	2010
Single-Op LP CW	HA8DU	2,278,782	2006
Single-Op QRP CW	HA5KDQ (HA7ANT op)	1,412,260	2006
Multionerator	P33W	7 236 873	2011

Multioperator

Call
VY2ZM (K1ZM op)
VE3DZ
NØKE
KH6ND
W4SVO
KC5R
VY2ZM (K5ZD op)
W1RM
W2GD

W1AW/4

Score	Year
2,989,540	2011
1,196,192	2011
187,590	2008
2,257,190	2002
633,060	2011
172,080	2007
2,631,694	2005
1,135,630	2010
427,392	2009

2000

10.720.370

#### **Continental Leaders**

С

A

С

Α

B B

В В

B ВВ

В

В C

CCC

3.553.932

9.553 В

110.448

107,219

101.864

442.874

320,250

271,746

123.656 33,480 26,680

636

84

(UA9BA, op)

JA2MWV

7C4MIS

R9FR

TA1DK

RW9TP

JA2IVK

**RU9UN** 

JR1NKN

RA8T (RA9SPF, op) UA9JDP

(UT7DX, op)

(US7UX, op) YT3M

(CT1ILT, op) LZ8E

(LZ2BE, op)

EA4KD

UR9QQ

OK3C (OK2ZC, op) UU2CW

UX4U

LZ3FN

CR6K

1,511,486

1,377,068

595.629

551,050

499,083

1.538.840

1,440,283

1.408.365

3,200,313

2,731,750

СС

Α

В

В

С

C A A

CCC

С С

С С Oceania

YB3IZK DV1UBY

**VK3TDX** 

YBØNFL

YC8AHH

YBØMWM

KH7X (KH6ND, op) VK4CT

(VK4EMM, op)

ZL2K

33,192 1,508

1,723,623

601.216

78.898

45,950

39,840

370

Africa 718,510 132.056 ZC4LI UT5UGR 2 629 566 C VK7ZE ВВ CC 1.810.575 3V8SS (KF5EYY, op) RA9AP 905.532 Č KH2.IU 682.195 В VU2PT1 391.685 В A A A RT4F 4.483.534 (WØCN, op) 65 940 В C FA8BOM 206,142 ВВ UZ2M HG6N 4,331,353 3,497,364 D 5N6/YL2SW TA2ZF 151,938 (UT5UDX, op) R9FT CCC 2,387,952 1,714,840 CCC CCC KH6ZM 613.802 В CN3A (IK2QEI, op) YB3BOA 45,695 24,338 ВВ ZL4NX 4,281,588 1,932 C RT9A 1,696,613 **North America** EA8AGF CO8ZZ 29 016 Α B VK2IM CCC P33W D 7.236.873 664,125 CCC 16,264 A ВВ B B B ZM4G ZL3TE EC8ADW SU1HZ ВВ C49C RF9C 3,780,324 2,561,878 D D FG1PP 5.952 222,500 6.156 EA8CST 5,883 В C HI8A 63 336 Α DU1/JJ5GMJ 255,588 D D D Europe CT3HF ZS5NK 188,244 12,054 B B C YB1ALL 172,900 TG9ANF ВВ 145,432 HA8BE 520,905 A DV1/JO7KMB 124.338 10.638 A R3VA 328,933 A US2I7 231.568 EA8BVP 3,255 С KP2/AA1BU HI3TEJ 632,487 399,312 B B South America 936,792 В LY9A PY2SEX 1.536.954 CCC V51YJ 165,024 S53MM LY4L ,240,680 TI2CDA 212,816 В В PY2NY PY1NB 759,962 497,006 ВВ A 130.356 ВВ 1.085.696 В EC8AFM 40,600 XP1A В C 232,288 UU7J (UU4JMG, op) ВВ PP5BZ YW4D 1,726,368 A C С C ST2AR 2.948.268 AHØAH/KL7 3,135,114 3,080,916 CCC 1 574 191 D 7S4TX 605 (LU5FC, op) FP/VA2WA С ES5TV 1.535.600 Α 2.771.454 (VA2WDQ, op) WP3C KV4FZ ,093,791 65,377 C B B LU1FM В Α Asia 660 HG1W (HA1WD, op) HA5BKV JR3RWB 95,996 298,284 В Α С (N2TTA, op) 37,708 В В 56,620 47,520 ZX2B 740,624 RK9DO (HA5NB, op) SP4LVK 151,360 67,800 LU1FU В ВВ VP5CW LW7DUC B B 106.368 (W5CW, op) KL7DX (W6NV, op) С 1.450.068 С RWØA (RAØAM, op) PP5XX 1,223,592 В 2,249,190 C Α (UX3MR, op) HA3DX (HA4XH, op) 631,116 C C JTØYPS В 705.572 В B ZV2K 235.520 NP2X PY5KW (PY2DJ, op) (UA9YPS, op) 7Z1SJ 1,045,302 1,005,916 235 492 A 130,644 В С B 653 691 В B KI 2R 67,306 41,407 D D D RW1CW В В 622,557 UPØL C AY9F 3.627.600 HH2/PY1ZV (LU5FZ, op) PY4ZO RG9A UP2L 3,621,264 FS5RW 1,781,472 В С 39,660 114,933 9,328 C US5D

Table shows Call, Score, Class and Power. For class: A=Mixed Mode, B=Phone Only, C=CW Only, D=Multioperator. For Power, A=QRP, B=Low Power, C=High Power.



Gayle, K6GO/ZF2GO (L) and Anna, W6NN/ZF2LL joined Joe, W6VNR/ ZF2AH to put the Cayman Amateur Radio Society (CARS) HQ station, ZF1A, on the air for IARU. They used the club shack and excellent antenna farm on ZF1EJ's property to give out the CARS HQ multiplier in Zone 11. Outside the contest Gayle, Joe and Anna spent time relaxing on Seven Mile Beach on the west side of the island.

#### Records

ВВ

В

С Α

В

В

A A C

ВВ В PY3OZ

PY2IU

PY4HO

PR7AR

PS2T

LS1D

HK1NA

(N5WR, op) PV8ADI

P.I4C

Four new records were set in the 2011 event. One was a new World record and the other three were W/VE records. Way to go, everyone!

CCC

CCC

D D D

ВВ

В

CCC

143,448 94,650

50,700

2,967,030

3,059,442

1,833,192

1.574.672

159,783

96,943

The World Multiop record by P3A in 2003 was broken by P33W. One of the P33W ops, RW4WR, was also on the 2003 P3A team.

The W/VE Mixed High Power record by KQ2M in 2001 was beaten by VY2ZM (K1ZM). Interestingly, the VY2ZM station now holds two W/VE records — CW High Power in 2005 when K5ZD keyed this fine station to a win and now K1ZM operating his own station in 2011.

VE3DZ decided to go after his old 2009 record in W/VE Mixed Low Power and squeaked by it by 1.5% (1,179,150 in 2009 versus 1,196,192 in 2011).

Finally, the W/VE Phone Low Power record by N1UR set in the 2010 event fell to W4SVO by a decent amount — 7%.

#### W/VE Region Leaders

Table shows Call, Score, Class and Power. For class: A=Mixed Mode, B=Phone Only, C=CW Only, D=Multioperator. For Power, A=QRP, B=Low Power, C=High Power.

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			
ND3D	8,658	Α	Α	KS4X	21,632	Α	Α	K8ZT	112,592	Α	Α	Saskatche	wan Section	15)		NWT Secti NN7SS (K6	· · · /		
.1505	0,000	,,	• •	N8OO	1,036,350	Α	В	W9XN	11,100	Α	Α					141700 (110	72,242	Α	Α
VE1ZA	237,690	Α		NR3X (N4)							_	VE4YU	191,529	Α	В				
W1WBB	226,980	Α	В		387,660	Α	В	VE3DZ	1,196,192	Α	В	AA5JG	80,872	Α	В	K2PO	487,277	Α	В
VE2AWR	176,562	Α	В	AD4Z	312,984	Α	В	K9OM	431,148	Α	В	WA7LNW	76,383	Α	В	N7ZG	317,312	Α	В
VY2ZM (K								W9IU	351,650	Α	В					WA6FGV	118,736	Α	В
	2,989,540	Α	С	N5DX	2,395,215	Α	С				_	N7VM	733,408	Α	С	NK7U (KL9A			
K3CR (LZ4				W4AN (K4				VE3EJ	2,544,638	Α	Ç	KØOU	180,684	Α	С		1,921,539	Α	С
	2,494,800	Α	С		1,425,936	Α		NØIJ	106,506	Α	C	K7IA	172,912	Α	С	K7RL	1,456,730	Α	С
W2GD	1,582,725	Α	С	K5KG	957,088	Α	С	VE3CX	76,570	Α	С					K6XX	1,126,816	Α	С
		_				_		\		_		K5DHY	83,904	В	В				
AA2VK	209	В	Α	NT4TS	21,294	В	A	VA3WPV	3,332	В	A	W5GFI	78,806	В	В	W6QU (W80		_	
141140	440.445	_	_	KC5WA	8,502	В	A	N8XA	900	В	Α	WBØTSR	42,918	В	В		39,375	В	Α
K1WO	110,445	B B	В	KD40FG	960	В	Α	VA3GKO	65,504	В	В			_	_	VA7IR	4,375	В	Α
VE2HIT WB9KPT	34,880	В	B B	W4SVO	633.060	В	В	N8RF	47,988	В	В	K9MWM	169,944	В	C	N6LB	1,020	В	Α
MPAKEI	32,594	Ь	ь	K4WES	38,252	В	В	KF8BT	28,992	В	В	KØRH WDØBMS	57,005	B B	C	K3FIV	07.500	В	В
KK1KW	996.060	В	С	KE4VCS	19,584	В	В	KIODI	20,992	ь	ь	MDMPINIS	42,180	Ь	C	N7VPN	37,520	В	В
N2RJ	259.000	В	Č	KL4VC3	19,304	ь	ь	WB9Z	799.755	В	С	KØPK	80.301	С	Α	KI6JJW	28,544 20,286	В	В
KM2O	239,580	В	č	K5ER	293,454	В	С	AC8G	133,868	В	Č	W5GAI	28,221	Č	Ä	KIOJJVV	20,200	Ь	Ь
KIVIZO	200,000		O	NN4F	145,530	В	Č	KK7Z	26,928	В	č	K5TA	10.152	Č	Â	W7WA	1.314.975	В	С
KK1W	25,694	С	Α	AC5O	104,728	В	č		20,020	_	•	NOIA	10,132	C	^	K7LY	135.920	В	č
VE2DJN	4,880	č	Ä	7.000	.0.,,,20	_	•	VE3GTC	100,580	С	Α	NAØN	279.896	С	В	WX7P	84.429	В	č
W3TUA	2,508	č	A	K4QPL	71.024	С	Α	AI9K	27,898	Č	Α	W5RYA	206.170	č	В	*****	0-1,-120		Ü
	,			N3CZ	12,246	Ċ	Α	VA3RJ	13,275	С	Α	WØETT	165,743	č	B	N7IR	4,564	С	Α
K2SSS	533,822	С	В	KS4YX	5,797	С	Α						,			K6MI	18	Ċ	Α
VA1CHP	531,632	С	В					W1NN	576,774	С	В	N2IC	1,710,859	С	С				
VE1RGB	492,072	С	В	WB4TDH	389,973	С	В	KV8Q	325,872	С	В	K5TR (K50)	T, op)			K7WP	166,212	С	В
				WA1FCN	256,399	С	В	VE3EY	322,230	С	В	· ·	1,066,338	С	С	KS5A	98,256	С	В
K8PO	2,216,578	С	С	WK2G	240,882	С	В			_	_	K7KU (KØK				K6AAB	69,339	С	В
AA3B	2,061,210	С	С			_	_	K9NW	1,093,260	C	C		542,016	С	С				
WC1M	1,762,736	С	С	N4OGW	1,421,192	С	С	K9CT	954,618	C	C	NØNI	1,878,170	D		N9RV	1,389,617	С	С
		_		N4AF	1,011,675	C	C	N2WQ/VE3	673,920	C	C	KØRF	1,774,150	D		N6MA	491,087	Ç	C
NN3W	2,390,710	D		K4RO	917,796	C	С	K8AZ	1,743,605	D	С	NX5M	1,738,100	D		AD6E	385,190	C	С
W1UJ	1,536,270	D		NR4M	1,557,612	D		K9SD K3WA	845,774	D D	C					K7ZSD	556,575	D	
K2LE	1,296,012	D		N1LN W5WMU	1,117,185	D D		NOVA	775,478	U	C					N7AT	452,187	D	
				UNIVICEV	1,088,832	U										NX6T	391,297	D	

The Records table shows all records, with those set in 2011 in bold. Note that 2005 was the first year with separate High Power, Low Power and QRP categories. As you might expect, more were set in the early years and it's getting tougher to set new records, but review these results and think

More IARU for You! Visit www.arrl.org/contests for expanded results. about taking a shot at a new record next year. You may have to improve your antenna farm to do this but you have several months to get ready — the IARU HF World Championship is held on the second full weekend in July. For 2012 that puts it on July 14 and 15. I hope to hear you on!

#### **IARU Member Society Headquarters Stations**

Headquarters and Administrative Council station scores were tabulated by the World Wide Radio Operator's Federation (www.wwrof.org) and are listed in QST as a courtesy to the Amateur Radio community.

	Final			IARU		Final			IARU		Final			IARU
Call Sig	n QSOs	Mults	Final Sore	Society	Call Sign	QSOs	Mults	Final Sore	Society	Call Sign	QSOs	Mults	Final Sore	Society
EF8HQ	15,059	424	30,651,384	URE	8NxHQ	9,274	311	6,313,300	JARL	BVØHQ	655	90	173,970	CTARL
TMØHQ	15,716	461	23,810,650	REF	LN2HQ	5,750	331	6,195,658	NRRL	9M4DXX	453	90	136,350	MARTS
DAØHQ	21,052	457	21,113,400	DARC	OPØHQ	5,748	336	5,955,264	UBA	HR2RCH	452	69	99,360	RCH
E7HQ	15,612	460	20,267,600	BA	R3HQ	6,247	322	5,672,674	SRR	HSØAC	281	94	89,394	RAST
IOxHQ	15,641	458	18,988,222	ARI	HB9HQ	6,990	336	5,518,464	USKA	OY6FRA	585	34	59,738	FRA
GR2HQ	13,818	433	18,512,482	RSGB	SXØHQ	7,102	328	5,040,704	RAAG	JU1HQ	199	35	23,765	MRSF
S5ØHQ	13,188	452	16,988,872	ZRS	BxHQ	4,658	276	4,779,216	CRSA	9K9HQ	164	16	12,352	KARS
9AØHQ	13,787	447	16,985,553	HRS	SK9HQ	4,814	307	4,746,834	SSA	HI8RCD	69	41	9,307	RCD
SNØHQ	14,230	463	16,432,796	PZK	CX1AA	2,596	262	3,048,108	RCU	TIØHQ	45	16	2,352	RCCR
YU8HQ	13,365	438	15,655,434	SRS	CE3HQ	2,756	226	2,867,036	RCCH	OA4O	21	13	897	RCP
OL1HQ	12,676	432	15,120,864	CRC	YL4HQ	3,136	286	2,332,044	LRAL					
EM5HQ		420	13,737,360	UARL	ZV13HQ	1,492	191	1,282,374	LABRE	IARU Administrative Council Stations				
4X3HQ	7,818	359	13,030,982	IARC	EIØHQ	1,865	203	1,143,905	IRTS		IARU	Final		Final
HGØHQ		427	12,545,687	MRASZ	ER7HQ	2,032	194	1,093,384	ARM	Call Sign	Region	QSOs	Mults	Score
OE1A	10,872	413	12,295,010	ovsv	EY1HQ	1,547	148	984,940	TARL	9A5W	1,500	223	1,129,272	R1
LXØHQ	9,387	375		RL										
			11,639,625		ZF1A	2,061	112	742,448	CARS	NB2T	1,589	172	847,788	R1
YRØHQ	9,736	408	9,955,200	FRR	OM1HQ	1,742	126	711,900	SARA	G3PSM	454	155	222,890	R1
LRØF	9,736 6,356	408 331	9,955,200 9,919,408	FRR RCA	OM1HQ DXØHQ	1,742 839	126 110	711,900 429,330	SARA PARA	G3PSM HB9JOE	454 497	155 133	222,890 127,547	R1 R1
LRØF LZ7HQ	9,736 6,356 9,860	408 331 395	9,955,200 9,919,408 9,848,930	FRR RCA BFRA	OM1HQ DXØHQ TC3HQ	1,742 839 937	126 110 89	711,900 429,330 390,087	SARA PARA TRAC	G3PSM HB9JOE XE1KK	454 497 434	155 133 65	222,890 127,547 86,970	R1 R1 AC
LRØF LZ7HQ OZ1HQ	9,736 6,356 9,860 7,533	408 331 395 360	9,955,200 9,919,408 9,848,930 8,893,800	FRR RCA BFRA EDR	OM1HQ DXØHQ TC3HQ 5J3HQ	1,742 839 937 638	126 110 89 119	711,900 429,330 390,087 342,482	SARA PARA TRAC LCRA	G3PSM HB9JOE XE1KK PT2ADM	454 497 434 244	155 133 65 77	222,890 127,547 86,970 75,922	R1 R1 AC R2
LRØF LZ7HQ OZ1HQ OH2HQ	9,736 6,356 9,860 7,533 7,259	408 331 395 360 361	9,955,200 9,919,408 9,848,930 8,893,800 8,383,503	FRR RCA BFRA EDR SRAL	OM1HQ DXØHQ TC3HQ 5J3HQ ZL6HQ	1,742 839 937 638 658	126 110 89 119 108	711,900 429,330 390,087 342,482 332,208	SARA PARA TRAC LCRA NZART	G3PSM HB9JOE XE1KK PT2ADM CE3PG	454 497 434 244 215	155 133 65 77 62	222,890 127,547 86,970 75,922 52,266	R1 R1 AC R2 R2
LRØF LZ7HQ OZ1HQ OH2HQ LYØHQ	9,736 6,356 9,860 7,533 7,259 7,753	408 331 395 360 361 368	9,955,200 9,919,408 9,848,930 8,893,800 8,383,503 8,096,368	FRR RCA BFRA EDR SRAL LRMD	OM1HQ DXØHQ TC3HQ 5J3HQ ZL6HQ ES9A	1,742 839 937 638 658 886	126 110 89 119 108 106	711,900 429,330 390,087 342,482 332,208 252,280	SARA PARA TRAC LCRA NZART ERAU	G3PSM HB9JOE XE1KK PT2ADM CE3PG JA1CJP	454 497 434 244 215 199	155 133 65 77 62 74	222,890 127,547 86,970 75,922 52,266 43,290	R1 R1 AC R2 R2 R3
LRØF LZ7HQ OZ1HQ OH2HQ LYØHQ NU1AW	9,736 6,356 9,860 7,533 7,259 7,753 /5 8,180	408 331 395 360 361 368 332	9,955,200 9,919,408 9,848,930 8,893,800 8,383,503 8,096,368 8,066,936	FRR RCA BFRA EDR SRAL LRMD IARU	OM1HQ DXØHQ TC3HQ 5J3HQ ZL6HQ ES9A HBØHQ	1,742 839 937 638 658 886 688	126 110 89 119 108 106 133	711,900 429,330 390,087 342,482 332,208 252,280 205,618	SARA PARA TRAC LCRA NZART ERAU AFVL	G3PSM HB9JOE XE1KK PT2ADM CE3PG JA1CJP 9Y4X	454 497 434 244 215 199 119	155 133 65 77 62 74 44	222,890 127,547 86,970 75,922 52,266 43,290 19,932	R1 R1 AC R2 R2 R3 R2
LRØF LZ7HQ OZ1HQ OH2HQ LYØHQ	9,736 6,356 9,860 7,533 7,259 7,753 /5 8,180	408 331 395 360 361 368	9,955,200 9,919,408 9,848,930 8,893,800 8,383,503 8,096,368	FRR RCA BFRA EDR SRAL LRMD	OM1HQ DXØHQ TC3HQ 5J3HQ ZL6HQ ES9A	1,742 839 937 638 658 886	126 110 89 119 108 106	711,900 429,330 390,087 342,482 332,208 252,280	SARA PARA TRAC LCRA NZART ERAU	G3PSM HB9JOE XE1KK PT2ADM CE3PG JA1CJP	454 497 434 244 215 199	155 133 65 77 62 74	222,890 127,547 86,970 75,922 52,266 43,290	R1 R1 AC R2 R2 R3