

## John Moyle Memorial National Field Day 2010

### 24 Hour Portable Operation – Multiple Operator

Call Sign	Operators	Mode	Band	Contacts	Score	Place /Award
VK3CNE	Multi	Phone	All	609	3398	1 /*
VK2WG	Multi	Phone	All	569	2348	2 /*
VK4WIS	Multi	Phone	All	593	2124	3 /*
VK3ANR	Multi	Phone	All	357	2044	4 /*
VK2HZ	Multi	Phone	All	470	1906	5 /*
VK2MA	Multi	Phone	All	451	1891	6 /*
VK3III	Multi	Phone	All	72	1428	7 /*
VK6ARG	Multi	Phone	All	177	465	8 /*
VK6AHR	Multi	Phone	All	168	342	9 /*
VK4WSS	Multi	Phone	All	42	182	10 /*
VK3FRC	Multi	Phone	VHF	255	3268	1 /*
VK2EH	Multi	Phone	VHF	147	2860	2 /*
VK3LY	Multi	Phone	VHF	114	2680	3 /*
VK4WIE	Multi	Phone	VHF	136	348	4 /*
VK4RC	Multi	Phone	VHF	35	125	5 /*
VK3ER	Multi	All	All	724	6176	1 /*/**
VK2SRC	Multi	All	All	848	3545	2 /*
VK2BV	Multi	All	All	589	1628	3 /*
VK2AWA	Multi	All	HF	1689	4904	1 /*
VK4IZ	Multi	All	HF	1357	3118	2 /*
VK2MB	Multi	All	HF	93	192	3 /*
VK2AWX	Multi	Phone	HF	587	1174	1 /*
VK2AOJ	Multi	Phone	HF	576	1152	2 /*
VK5LZ	Multi	Phone	HF	522	1042	3 /*
VK4WAT	Multi	Phone	HF	470	940	4 /*
VK2AZD	Multi	Phone	HF	463	926	5 /*
VK5BAR	Multi	Phone	HF	393	770	6 /*
VK6ZN	Multi	Phone	HF	158	316	7 /*
VK8DA	Multi	Phone	HF	130	260	8 /*

### Six Hour Portable Operation – Multiple Operator

Call Sign	Operators	Mode	Band	Contacts	Score	Place /Award
VK3AWS	Multi	Phone	All	335	1471	1 /*
VK5SR	Multi	Phone	All	214	1342	2 /*
VK4ZY	Multi	Phone	All	112	375	3 /*
VK4BAR	Multi	Phone	All	43	159	4 /*
VK2SF	Multi	Phone	HF	85	170	1 /*
VK1VIC	Multi	Phone	HF	59	118	2 /*
VK3ACZ	Multi	Phone	HF	11	22	3 /*
VK4CHB	Multi	All	HF	127	246	1 /*
VK3XPD	Multi	All	VHF	72	1077	1 /*

/\* Certificate Awarded  
/\*\* President's Cup  
/\* Participation Certificate

## 24 Hour Portable Operation – Single Operator

Call Sign	Operators	Mode	Band	Contacts	Score	Award
VK4OE	Single	Phone	All	132	1320	1 /*
VK3VCL	Single	Phone	All	144	1068	2 /*
VK3OW	Single	Phone	All	107	284	3 /*
VK4KKD	Single	Phone	All	97	273	4 /*
VK3VIL	Single	Phone	All	34	175	5 /*
VK5ZT	Single	Phone	VHF	154	1485	1 /*
VK5FANA	Single	Phone	VHF	141	1428	2 /*
VK3JTM	Single	Phone	VHF	75	1300	3 /*
VK4GH	Single	Phone	HF	489	978	1 /*
VK2HBG	Single	Phone	HF	452	904	2 /*
VK5UV	Single	Phone	HF	219	438	3 /*
VK2CZ	Single	Phone	HF	83	164	4 /*
VK5DG	Single	Phone	HF	60	120	5 /*
VK3ZPF	Single	Phone	HF	58	116	6 /*

## Six Hour Portable Operation – Single Operator

Call Sign	Operators	Mode	Band	Contacts	Score	Award
VK2MER	Single	Phone	VHF	40	295	1 /*
VK5FMJF	Single	Phone	VHF	43	206	2 /*
VK2AMS	Single	Phone	VHF	24	123	3 /*
VK4JAZ	Single	Phone	VHF	12	32	4 /*
VK2AYD	Single	CW	VHF	6	24	1 /*
VK5AGZ	Single	Phone	All	121	884	1 /*
VK3IL	Single	Phone	All	84	437	2 /*
VK2IO	Single	Phone	VHF	81	428	3 /*
VK3FUNK	Single	Phone	All	100	393	4 /*
VK4ADC	Single	Phone	All	110	382	5 /*
VK6KTV	Single	Phone	All	64	146	6 /*
VK7JGD	Single	Phone	HF	113	226	1 /*
ZL2AYZ	Single	Phone	HF	98	196	2 /*
VK3VTH	Single	Phone	HF	83	162	3 /*
VK3YE	Single	Phone	HF	50	100	4 /*
VK6KMS	Single	Phone	HF	47	94	5 /*
VK2MJB	Single	Phone	HF	20	40	6 /*
VK2DRB	Single	Phone	HF	17	34	7 /*
VK2JNA	Single	Phone	HF	15	30	8 /*
VK5FNET	Single	Phone	HF	9	15	9 /*
VK2AWJ	Single	Phone	HF	7	14	10 /*

/*	Certificate Awarded
**	President's Cup
/*	Participation Certificate

### Home Station – 6 Hour

Call Sign	Operators	Mode	Band	Contacts	Score	Award
VK2MCI	Home	0	0	163	238	1 /*
VK3AFK	Home	0	0	100	155	2 /*
VK2VTH	Home	0	0	93	136	3 /*
VK2LTB	Home	0	0	56	85	4
VK3DMK	Home	0	0	49	82	5
VK4JRO	Home	0	0	47	80	6
VK4DGU	Home	0	0	44	76	7
VK3NBV	Home	0	0	44	71	8
VK6CG	Home	0	0	36	62	9
VK2IRP	Home	0	0	28	46	10
VK4CC	Home	0	0	20	38	11
VK6WJ	Home	0	0	20	36	12
VK2DCR	Home	0	0	18	26	13
VK6DXI	Home	0	0	1	4	14

### Home Station – 24 Hour

Call Sign	Operators	Mode	Band	Contacts	Score	Award
VK2LAW	Home	0	0	733	994	1 /*
VK5LSB	Home	0	0	476	663	2 /*
VK7FWAY	Home	0	0	448	657	3 /*
VK2AFY	Home	0	0	513	551	4 /*
VK1HW	Home	0	0	399	538	5 /*
VK3HBA	Home	0	0	311	449	6
VK4HO	Home	0	0	264	435	7
VK5MWH	Home	0	0	276	396	8
VK2FAJA	Home	0	0	229	373	9 /*
VK4MIT	Home	0	0	232	352	10
VK3KIS	Home	0	0	148	251	11
VK3XH	Home	0	0	151	248	12
VK1LW	Home	0	0	140	237	13
VK4HEC	Home	0	0	127	213	14
VK2BGL	Home	0	0	126	210	15
VK2BXT	Home	0	0	122	210	16
VK4ATH	Home	0	0	157	167	17
VK5KBJ	Home	0	0	76	122	18
VK4CCR	Home	0	0	77	121	19
VK5PX	Home	0	0	76	121	20
VK5FD	Home	0	0	75	119	21
VK3DIP	Home	0	0	54	103	22
VK2YJS	Home	0	0	49	83	23
VK2BLW	Home	0	0	37	65	24
VK3EI	Home	0	0	38	64	25
VK2NR	Home	0	0	36	62	26
VK4PJC	Home	0	0	40	59	27
VK5HSE	Home	0	0	30	58	28
VK6QM	Home	0	0	29	55	29
VK4BAY	Home	0	0	41	50	30
VK2ZC	Home	0	0	28	47	31
VK5EMI	Home	0	0	22	36	32
VK5KDK	Home	0	0	21	36	33
VK3IFM	Home	0	0	19	30	34
VK5NY	Home	0	0	13	23	35

## Comments on John Moyle Memorial National Field Day 2010

This year's entries came from every Australian mainland call areas, as well as from Tasmania and New Zealand. The total number of logs submitted was 122. This was only a minimal decrease from 123 logs received last year. It was good to see several ZL stations take part this year, but only one submitted a log. Well done to all who took part.

I have included all of the results that I received in the totals and if any are missing, they are completely lost. I can only offer my apologies to anyone so affected. I am sorry if your log is missing, but it did not get to me despite my most careful procedures and cross checking.

Based upon submitted logs, there were some 23,573 contacts, amounting to some 80,087 points claimed, a 14% increase over 2009. This was pretty heavy contesting, but unfortunately it resulted in just 122 logs being submitted.

Unfortunately, the numbers of stations who went to the considerable trouble of going out and setting up as a portable station and then not bothering to submit a log as an entry, is still a disappointment. Some multiple operator stations got very big scores this and perhaps it simply reflects the great and varied planning and implementation efforts required to assemble and operate a multi operator station without operation on one band wiping out the efforts on another band?

Band	S/UHF		VHF		HF	
	Contacts	Points	Contacts	Points	Contacts	Points
<b>24 GHz</b>	<b>0</b> (0)	<b>0</b> (0)				
<b>10 GHz</b>	<b>8</b> (4)	<b>142</b> (20)				
<b>5.7 GHz</b>	<b>4</b> (6)	<b>90</b> (30)				
<b>3.4 GHz</b>	<b>6</b> (2)	<b>60</b> (10)				
<b>2.4 GHz</b>	<b>30</b> (29)	<b>430</b> (390)				
<b>23cm</b>	<b>341</b> (324)	<b>3,642</b> (3,254)				
<b>70 cm</b>	<b>1,163</b> (1,053)	<b>10,377</b> (9,417)				
<b>2m</b>			<b>2,133</b> (2008)	<b>20,248</b> (19417)		
<b>6m</b>			<b>844</b> (643)	<b>8,082</b> (6306)		
<b>10m</b>					<b>68</b> (101)	<b>122</b> (190)
<b>15m</b>					<b>415</b> (117)	<b>854</b> (220)
<b>20m</b>					<b>3,387</b> (3647)	<b>7,436</b> (7073)
<b>40m</b>					<b>11,948</b> (8971)	<b>22,520</b> (17284)
<b>80m</b>					<b>3,140</b> (3817)	<b>5,892</b> (7329)
<b>160m</b>					<b>86</b> (51)	<b>192</b> (101)
<b>Total</b>	<b>1,552</b> (1,418)	<b>14,741</b> (13,121)	<b>2,977</b> (2,651)	<b>28,330</b> (25,723)	<b>19,044</b> (16,704)	<b>37,016</b> (32,197)

Table should be read – **2010 results in bold** (with (2009 results) in brackets)

Activity was carried out on all bands permitted under the rules. There was very noticeably increased activity on HF, and the frequencies in use followed the low sunspot cycle. This is still at the bottom of the cycle and conditions did not improve substantially this year, with only 160m, 40m and 15m showing any significant increase and 80m & 10m a decrease.

In the higher UHF and Microwave bands there was considerably less activity than 2008, but around the same as 2009. Maybe it follows a weather cycle, rather than the solar cycle?

The scoring in the UHF range was around the same as for last year. The VHF range the number of contacts is about the same as for 2009, but both were down on 2008 levels.

The other major change noticed this year was the increase in Portable Station operation, and a significant decrease in Home Station operation. Clearly there were some portable station operators who did not bother to submit a log and are strongly encouraged to do so next year.

The participation across the various Call Areas was patchy. The greatest changes were in the decrease in the number Home Station logs submitted as more Portable stations ventured into the field to take advantage of the kinder weather?

Call Area	Portable		Home		Total	
	2010	2009	2010	2009	2010	2009
VK1	1	4	2	1	3	5
VK2	22	18	15	17	37	35
VK3	18	15	8	16	26	30
VK4	14	14	10	17	24	31
VK5	10	6	9	4	19	10
VK6	5	3	4	0	9	3
VK7	1	1	1	3	2	4
VK8	1	1	0	0	1	1
P2	0	0	0	1	0	1
ZL	1	1	0	1	1	3
	73	63	49	60	122	123
	2010	2009	2010	2009	2010	2009

The scoring on VHF was revised in 2009 and it reduced the difference between scores produced on VHF and the scores on HF. However the effort required getting a high score on HF, out weighs the comparative effort on VHF. However, this is the nature of contesting. Whereas, HF contacts take time and effort to work the number of stations required VHF and UHF depend upon the vagaries of weak signals to make a contact.

All of the portable stations that went to the effort to send in a log got a certificate. The WIA believes that people who made the effort to set up a portable station and operate should be acknowledged. In line with last year, the Foundation License logs who did not achieve a place, were instead awarded a Participation Certificate for encouragement.

Only Six Foundation Licensed operators bothered to submit a log. (One each was from VK2, and VK3, none from VK4, three from VK5 and one from VK7.) There were many more stations than this logged during the contest. All logs submitted by foundation operators were awarded a certificate. Logs from club station showed that a number took part, as part of the club station efforts.

### Comparison between 2010 and Earlier Years

Year	Logs	Contacts	Points
<b>2010</b>	<b>122</b>	<b>23573</b>	<b>80087</b>
2009	123	20773	71041
2008	104	17258	98940
2007	76	12535	64028
2006	78	10865	61387
2005	67	8423	44080
2004	66	8602	49855

There were still only 84% of logs submitted electronically this year. This has been due largely to the excellent work by Mike Subocz (VK3AVV) and his worthy program VKCL (VK Contest Log). Those that submitted a log in the VKCL export format were as usual very easy to work with. Those that simply forwarded the text output of VKCL were also rather simpler to work with than any form of posted paper log or a log completed by hand.

This year, the rules stated that EXCEL is the preferred submission format. A sample linked EXCEL logging report was prepared and sent to those who requested this file. (Contact me at [vk4ae@wia.org.au](mailto:vk4ae@wia.org.au) if you would like a copy of my linked spreadsheet in EXCEL for next year.) Other suitable file submission formats are WORD, TXT or the ADI output file from VKCL (VK Contest Log). PDF format is not acceptable as are JPG and TIFF.

All logs submitted in an electronic form this year, were fully readable.

Paper logs may also be used. A small log from an individual operator is and will remain completely acceptable. Large paper logs require considerable manual work on the part the contest manager to input the data into the contest database and are not encouraged. It is so much better to forward the computer files used to print the paper log as part of an e-mail as the data can then be easily extracted and used for checking purposes.

This year, there were still a few individuals and clubs who submitted their log only handwritten on paper. While the smaller logs of an individual can be integrated into the scoring, they cannot be easily manipulated electronically and are much harder to cross check and validate. The checking of these logs can only be done manually at considerable effort. This is especially true where the log comes from a club station, with many operators taking part and some individual handwriting is anything but obvious. This requires a very significant effort, especially where a log has many pages and often has a number of errors and must be checked by hand.

Next year, club stations will only be eligible to submit an entry, if their log is submitted electronically. (Paper logs from club stations are welcomed as a backup, if required, but the extensive amount of work required to manually check large paper logs is no longer acceptable, especially if the club station log has been prepared on a computer.)

**1. The comparative difference in score and scoring between HF and VHF/UHF contacts.**

In fact within the John Moyle Contest, the rules allow for some 31 possible alternative categories as shown below. Each category is actually completely independent from every other category and so there are in fact 31 parallel contests. In this way it is completely different from any other contest presently in Australia.

*Table of alternative categories*

Operators		Modes				Bands		
	Time							
<b>Multi</b>	24	Phone	CW	Digital	All	HF	VHF	All
<b>Multi</b>	6	Phone	CW	Digital	All	HF	VHF	All
<b>Single</b>	24	Phone	CW	Digital	All	HF	VHF	All
<b>Single</b>	6	Phone	CW	Digital	All	HF	VHF	All

<b>Home</b>	24
<b>Home</b>	6

<b>SWL</b>	24
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For this reason it is not possible to have overall winner in this contest, as scores from any category, especially between different bands and different modes, are not comparable. Only scores within the same category are correctly comparable. The award of the Presidents Cup is a parallel contest. It is awarded to the highest score from a Club Station, affiliated with the WIA, in any category.

**2. Next, we have a rather non contentions issue of scoring for CW contacts.**

A total of 9 logs were submitted this year with large scores from CW contacts, the number of All Mode contacts was very significantly higher than in the recent past. A good sign!

While CW is no longer a precondition for obtaining an Amateur licence, it is a skill that is widely distributed among existing operators and a skill that should be nurtured among the newer licence holders.

The other issue was that some stations contacted overseas contest stations who did not understand the serial number requirement for this contest. As a trial next year – for stations in contact with overseas stations – a suitable contest CW serial number can be generated for such contacts, (e.g. 599001) as long as this fact is noted in the log.

**3. The number of people who submitted logs claiming ‘All Modes’ and only logged contacts using SSB or FM.**

The Modes allowed in the rules are PHONE (SSB or FM), CW (Manual) and DIGITAL (Computer) Mode.

The PHONE Modes are SSB, DSB, FM, PM or AM. That is the modulation is an audio signal derived in the first instance from a microphone.

The alternatives are either hand CW, that simply turns the carrier on and off or; DIGITAL mode which uses computers to control the transmitter or to complete the contact.

#### **4. Club Stations**

Club Stations were generally well operated and made some very big scores as a result of their combined efforts. Well done!!

There is however, a complaint – from the contest manager - regarding the submission of very large paper logs. While to send a paper log by mail as a confirmation, is a worthwhile insurance, the process of only sending in a paper log is not a good idea. The amount of work that the contest manager has to carry out, typing all of the contacts into the contest database will not be continued. Especially those stations who submit a paper log on the last possible date.

In 2011, if any club station chooses to send only a paper log, it will be returned as being unreadable. This is particularly ironic, as the paper log is usually prepared on a computer and then mailed. In 2010, those stations who had only submitted a large paper log were contacted and asked to submit the file electronically. A few Club stations complied.

#### **5. Low Power Contest**

A suggestion was made by a few stations that a QRP category could be allowed. The suggestion was that only a station that can be carried in a backpack should be allowed for the operation of the station. There was only one log entered indicating that all operation was on low power. However, as a trial, next year QRP operation will be allowed as part of the rules.

It is interesting to note, the scores produced some of the Foundation licences who submitted a log, does indicate that plenty of contacts were made on the restricted lower power permitted by their LCD.

#### **6. The Future**

Now it is over to you. There are always ways to improve anything, but scrapping something because it does not suit you is not possible, but if benefits are shown to be available, changes can be made to better serve the amateur community.

If you have any contribution to these topics, the Rules for this contest are available at the WIA web site at <http://www.wia.org.au> which already contains my contact information and please feel free to contact me with your submission for further consideration.

Well done to all of those stations that participated in the contest and well done those who bothered to submit a log. It is hoped that the number of logs to be submitted next year will return to the recent trend of increased log numbers.

I wish to thank those who did send in photographs of their equipment set-up and personnel involved for inclusion in the AR magazine. These have been submitted to AR along with this report so please give Peter Freeman (<http://editor-armag@wia.org.au>) anything else you have for later use for the magazine.

Denis Johnstone (VK4AE/VK3ZUX)  
Contest Manager



### Breakdown of Contacts by Call Area and Band

#### SHF/UHF/VHF BANDS

	10G P	10G C	5.7G P	5.7G C	3.4G P	3.4G C	2.4G P	2.4G C	1.2G P	1.2G C	70cm P	70cm C	2m P	2m C	6m P	6m C
VK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	45	7	313	31	829	69	39	9
VK2	0	0	0	0	0	0	8	3	695	69	2003	275	5561	576	2550	302
	10	2	20	4	0	0	15	3	537	59	18101	206	6375	603	1040	104
VK3	32	3	0	0	0	0	322	21	2283	187	5477	442	9419	817	4616	348
	10	2	10	2	10	2	375	26	2152	221	5326	550	8679	877	40176	397
VK4	0	0	0	0	0	0	30	3	311	35	623	100	2262	330	637	132
	0	0	0	0	0	0	0	0	353	27	1087	140	2343	274	872	104
VK5	110	5	90	4	60	6	70	3	353	50	2166	313	2267	332	273	59
	0	0	0	0	0	0	0	0	68	10	863	121	1007	143	306	28
VK6	0	0	0	0	0	0	0	0	0	0	108	33	232	71	6	3
	0	0	0	0	0	0	0	0	0	0	18	5	168	30	2	1
VK7	0	0	0	0	0	0	0	0	0	0	0	0	12	7	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	16	12	0	0
VK8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0
P2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ZL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2010	142	8	90	4	60	6	430	30	3642	341	10377	1163	20248	2133	8082	844
2009	20	4	30	6	10	2	390	29	3254	324	9417	1053	19417	2008	6306	643

Numbers in Bold are for 2010 and other details are from 2009

## Breakdown of Contacts by Call Area and Band

### HF BANDS

	10m P	10m C	15m P	15m C	20m P	20m C	40m P	40m C	80m P	80m C	160m P	160m C
VK1	<b>0</b> 2	<b>0</b> 1	<b>2</b> 0	<b>1</b> 0	<b>19</b> 244	<b>10</b> 124	<b>796</b> 579	<b>545</b> 293	<b>76</b> 238	<b>42</b> 119	<b>0</b> 3	<b>0</b> 2
VK2	<b>24</b> 9	<b>9</b> 6	<b>160</b> 18	<b>57</b> 12	<b>2673</b> 1551	<b>1026</b> 781	<b>11423</b> 8107	<b>5811</b> 3986	<b>2683</b> 3916	<b>1423</b> 2052	<b>71</b> 42	<b>30</b> 21
VK3	<b>22</b> 22	<b>11</b> 13	<b>26</b> 10	<b>13</b> 7	<b>519</b> 512	<b>268</b> 280	<b>2991</b> 2027	<b>1652</b> 1152	<b>776</b> 248	<b>393</b> 133	<b>10</b> 6	<b>5</b> 3
VK4	<b>39</b> 152	<b>21</b> 78	<b>547</b> 169	<b>275</b> 86	<b>2636</b> 3264	<b>1252</b> 1639	<b>3727</b> 4021	<b>1932</b> 2124	<b>1304</b> 1879	<b>690</b> 965	<b>77</b> 47	<b>34</b> 24
VK5	<b>23</b> 5	<b>20</b> 3	<b>57</b> 9	<b>37</b> 5	<b>744</b> 749	<b>405</b> 397	<b>2435</b> 1617	<b>1345</b> 901	<b>621</b> 447	<b>345</b> 245	<b>34</b> 2	<b>17</b> 7
VK6	<b>10</b> 0	<b>5</b> 0	<b>26</b> 6	<b>14</b> 3	<b>675</b> 385	<b>341</b> 179	<b>435</b> 428	<b>218</b> 214	<b>28</b> 320	<b>15</b> 160	<b>0</b> 0	<b>0</b> 0
VK7	<b>0</b> 0	<b>0</b> 0	<b>2</b> 0	<b>1</b> 0	<b>8</b> 83	<b>4</b> 45	<b>575</b> 420	<b>376</b> 258	<b>286</b> 43	<b>173</b> 24	<b>0</b> 0	<b>0</b> 0
VK8	<b>4</b> 0	<b>2</b> 0	<b>34</b> 8	<b>17</b> 4	<b>136</b> 86	<b>68</b> 48	<b>42</b> 10	<b>21</b> 5	<b>44</b> 8	<b>22</b> 4	<b>0</b> 0	<b>0</b> 0
P2	<b>0</b> 0	<b>0</b> 0	<b>0</b> 0	<b>0</b> 0	<b>0</b> 216	<b>0</b> 154	<b>0</b> 2	<b>0</b> 1	<b>0</b> 0	<b>0</b> 0	<b>0</b> 0	<b>0</b> 0
ZL	<b>0</b> 0	<b>0</b> 0	<b>0</b> 0	<b>0</b> 0	<b>26</b> 0	<b>13</b> 0	<b>96</b> 73	<b>48</b> 37	<b>74</b> 320	<b>37</b> 115	<b>0</b> 0	<b>0</b> 0
<b>2010</b> 2009	<b>122</b> 190	<b>68</b> 101	<b>854</b> 221	<b>414</b> 117	<b>7436</b> 7073	<b>3387</b> 3647	<b>22520</b> 17284	<b>11948</b> 8971	<b>5892</b> 7329	<b>3140</b> 3817	<b>192</b> 100	<b>86</b> 51

Numbers in Bold are for 2010 and other details are from 2009