



RTTY

CQ WW RTTY Contest

A Look at the CQ WW RTTY Contest

PVRC Webinar, 19 September 2010

Ed Muns, W0YK



RTTY








CQ WW RTTY Contest

- ❖ Highest participation RTTY contest
 - ❖ CQ WPX RTTY is close second
- ❖ Opens CQ WW season
 - ❖ Check station, antennas, operators, etc.
- ❖ Excellent SO2R training
 - ❖ Operator freed from decoding to practice other operating skills



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Agenda

-  History of CQ WW RTTY
-  Distinctive rules from CW/SSB events
-  Logging considerations
-  Log Check Reports
-  Scores Database
-  Plaques and Certificates
-  Stories and Pictures



Inaugural Event!

THE FIRST ANNUAL CQ MAGAZINE - RTTY JOURNAL WORLD - WIDE RTTY DX CONTEST

OBJECTIVE	COUNTRIES
For amateurs around the world to contact other amateurs in as many CQ zones and countries as possible using the digital modes.	The ARRL and WAE DX Country lists will be used.
CONTEST PERIOD	QSO POINTS
0000 UTC September 26, 1987 to 2400 UTC September 27, 1987. The total period is 48 hours, but no more than 30 hours of operation are permitted for single operator stations. The 18 hours of OFF time can be taken any time during the contest period, but OFF periods may NOT be less than 3 hours. All ON and OFF periods must be clearly noted in the log and summary sheets. <i>Note 1.</i> Multi-Operator stations may operate the full 48 hours. <i>Note 2.</i> A Single Operator MAY operate more than 30 hours, but only the FIRST 30 hours of operating will count toward the official score.	One (1) QSO point for contacts within your own country. Two (2) QSO points for contacts outside your own country but within your own continent. Three (3) points for contacts outside your own continent.
OPERATOR CLASS	MULTIPLIER POINTS
A: Single Operator, B: Multi- Operator, Single Transmitter (ALL BAND ENTRY ONLY)	One (1) multiplier point for each U.S. state (48) and Canadian area (13) contact on each band. One (1) multiplier point for each DX country in the ARRL DXCC and WAE lists. NOTE that KL7 and KH6 are country multipliers ONLY, and not state multipliers. One (1) multiplier point for each CQ zone worked on each band. A maximum of 40 per band. <i>NOTE:</i> Canadian areas are VO1, VO2, VE1 N.B., VE1 N.S., VE1 P.E., VE2, VE3, VE4, VE5, VE6, VE7, VE8 N.W.T., VY Yukon.
ENTRY CATEGORIES	FINAL SCORE
A: All Band B: Single Band	Total QSO points times the total multipliers equals the total claimed score.
MODES	CONTEST ENTRIES
Contacts can be made using Baudot, AMTOR, (FEC/ARQ), ASCII, and AX.25 (No digipeating QSO's allowed)	All entries must include a SEPARATE log for EACH BAND, a DUPE sheet for EACH BAND, a MULTIPLIER check list for EACH BAND, and an OVERALL summary sheet. All logs MUST show date, time, call sign of the station worked, RST exchanged, State, or Canadian area (where applicable), CQ zone, and points claimed per contact. <i>Note:</i> Standard CQ World-Wide DX Contest sheets are appropriate for use in this contest.
BANDS	DISQUALIFICATIONS
160, 80, 40 20, 15, and 10 meters	Operating in an unsportsmanlike manner, manipulating scores or times to achieve a score advantage, or failure to omit duplicate contacts which would reduce the overall score more than 2% are grounds for disqualification. Decisions of the Contest Committee are final.
VALID CONTACTS	AWARDS
A given station may be contacted only ONCE regardless of the digital mode employed. Additional contacts are allowed with the same station on each of the other bands as well.	(Contest continued on page 13)
EXCHANGE	
Stations within the 48 Continental United States and the 13 Canadian areas must transmit RST, State, or VE area and CQ zone number. All other stations must transmit RST and CQ zone number.	

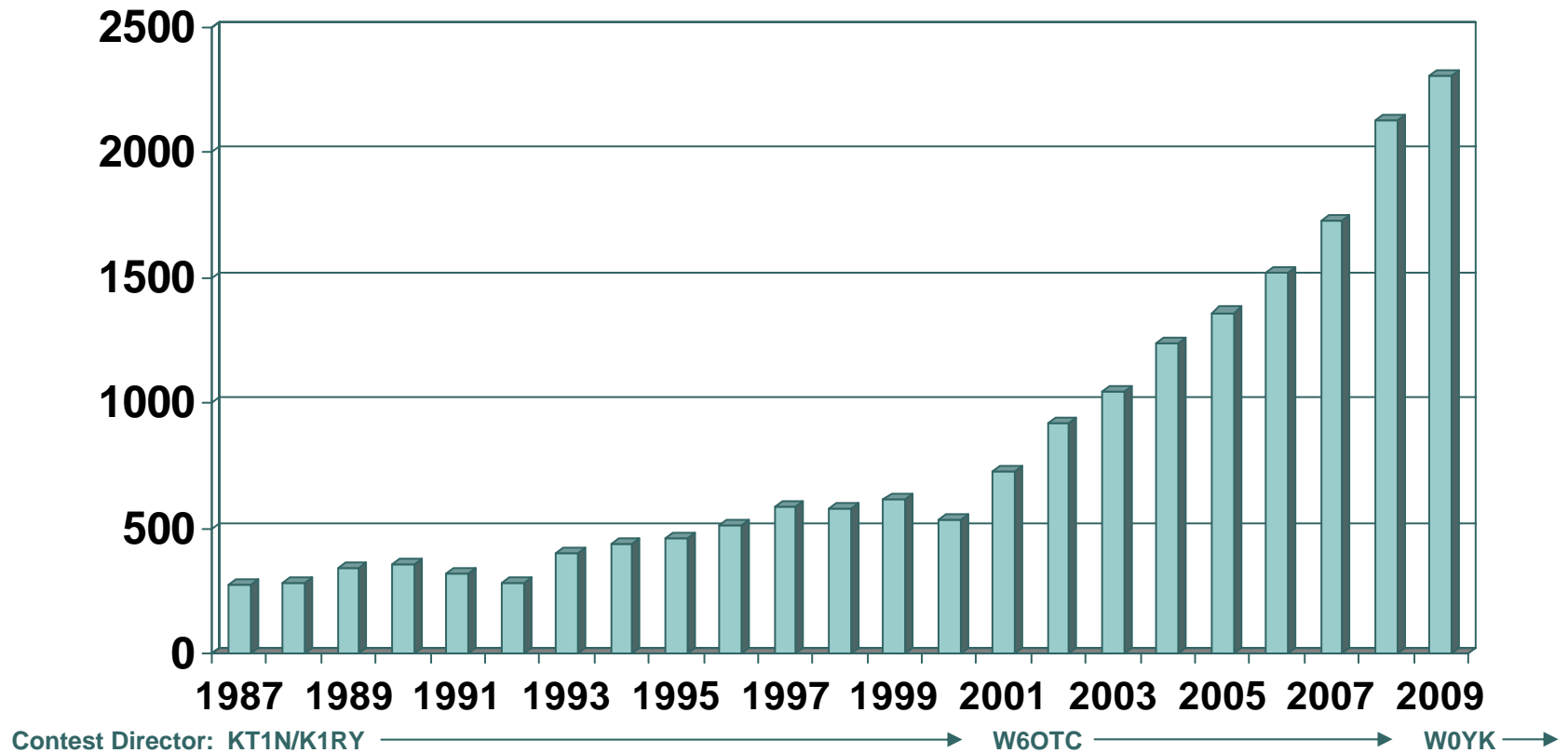
14

- Co-sponsored by:
 - ❖ CQ Magazine
 - ❖ RTTY Journal
- 26-27 Sept. 1987
- 160-10 meters
- Baudot, AMTOR, ASCII, AX.25
- SO or MS (both HP only)
 - ❖ SO:
 - 30 hour max; >3 hour off-times
 - all-band or single-band
 - No SOA (SO Assisted)
- 280 entries
 - ❖ SO VE1ASJ 489 Qs
 - ❖ MS HD8CQ 1222 Qs



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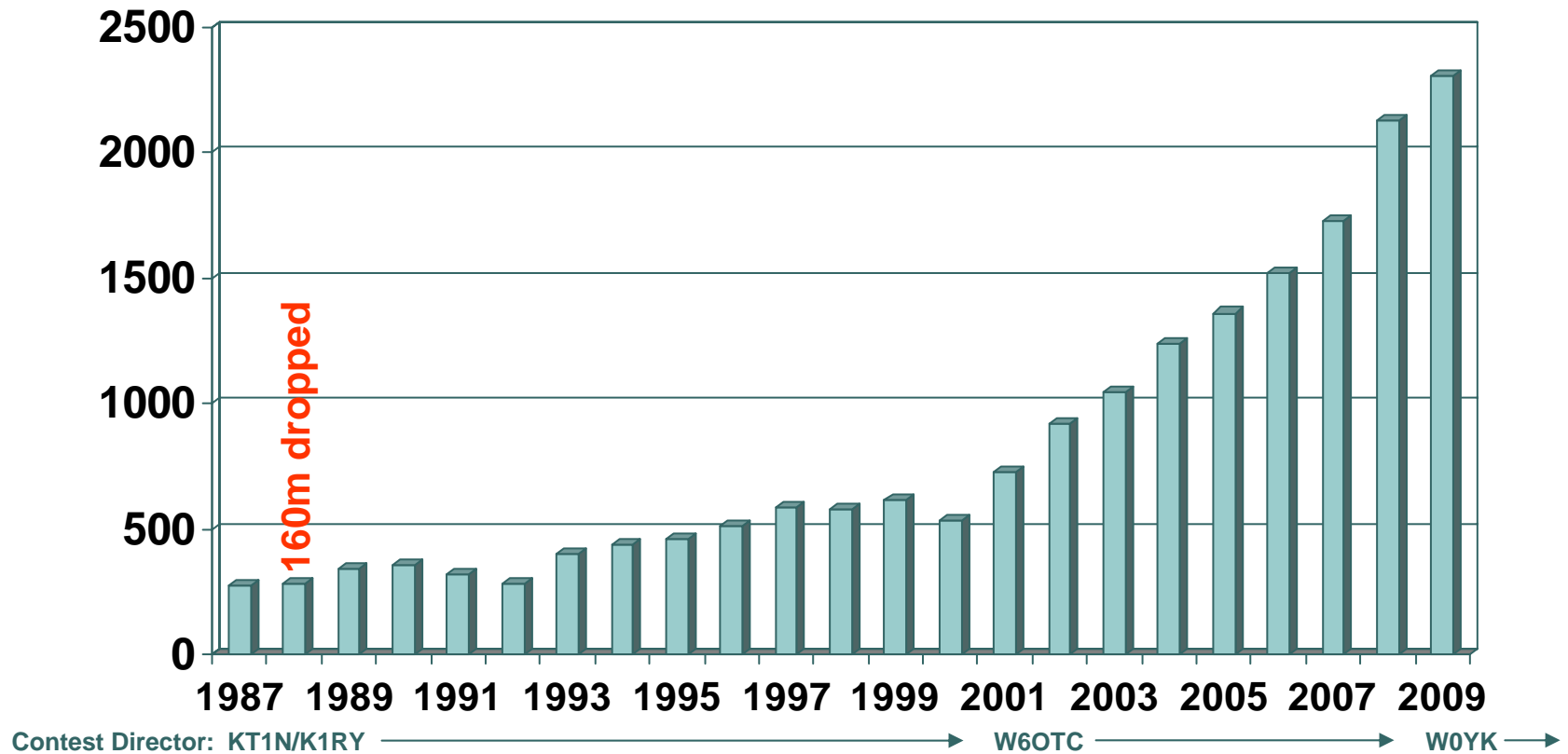
Logs Submitted





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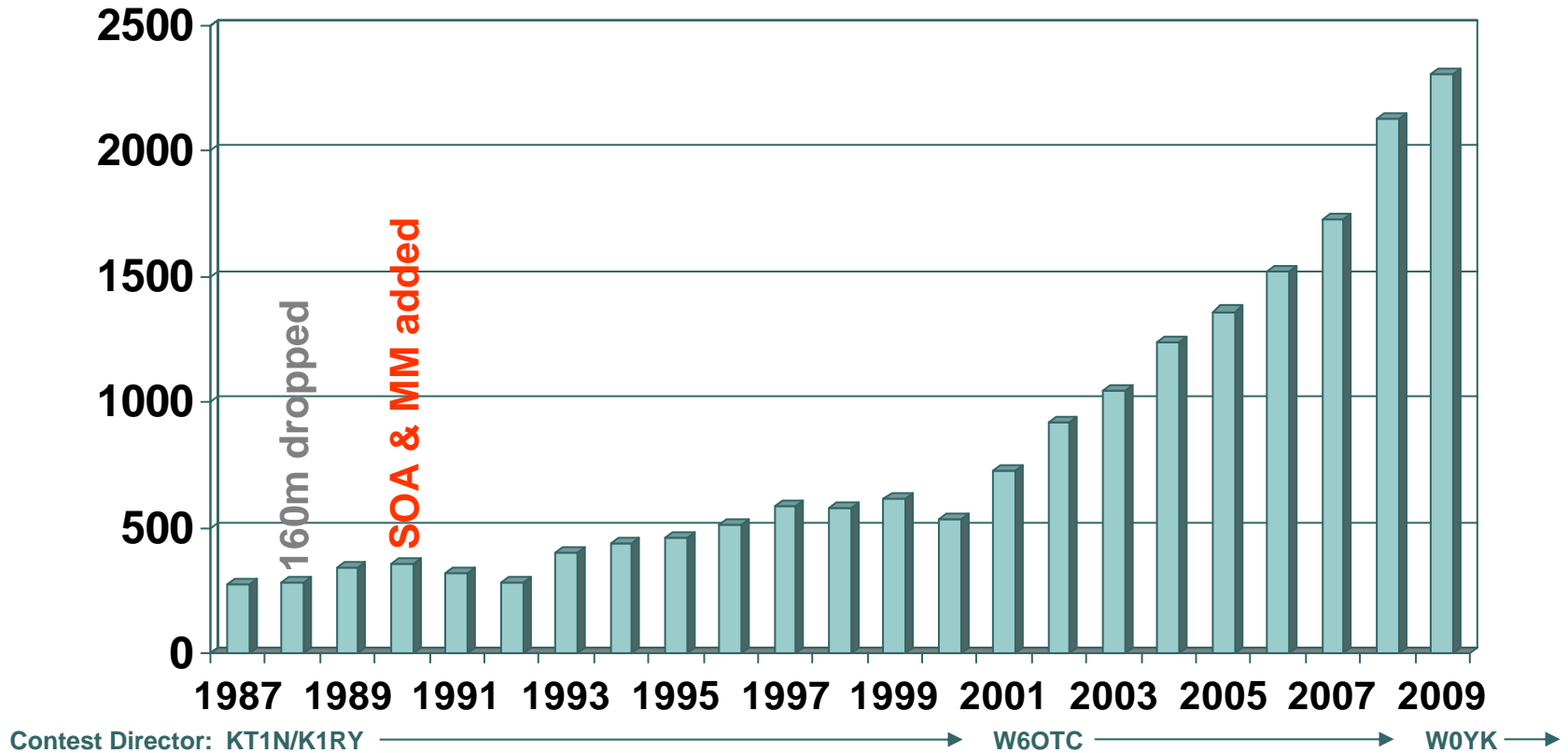
Evolution of Rules - 1988





RTTY

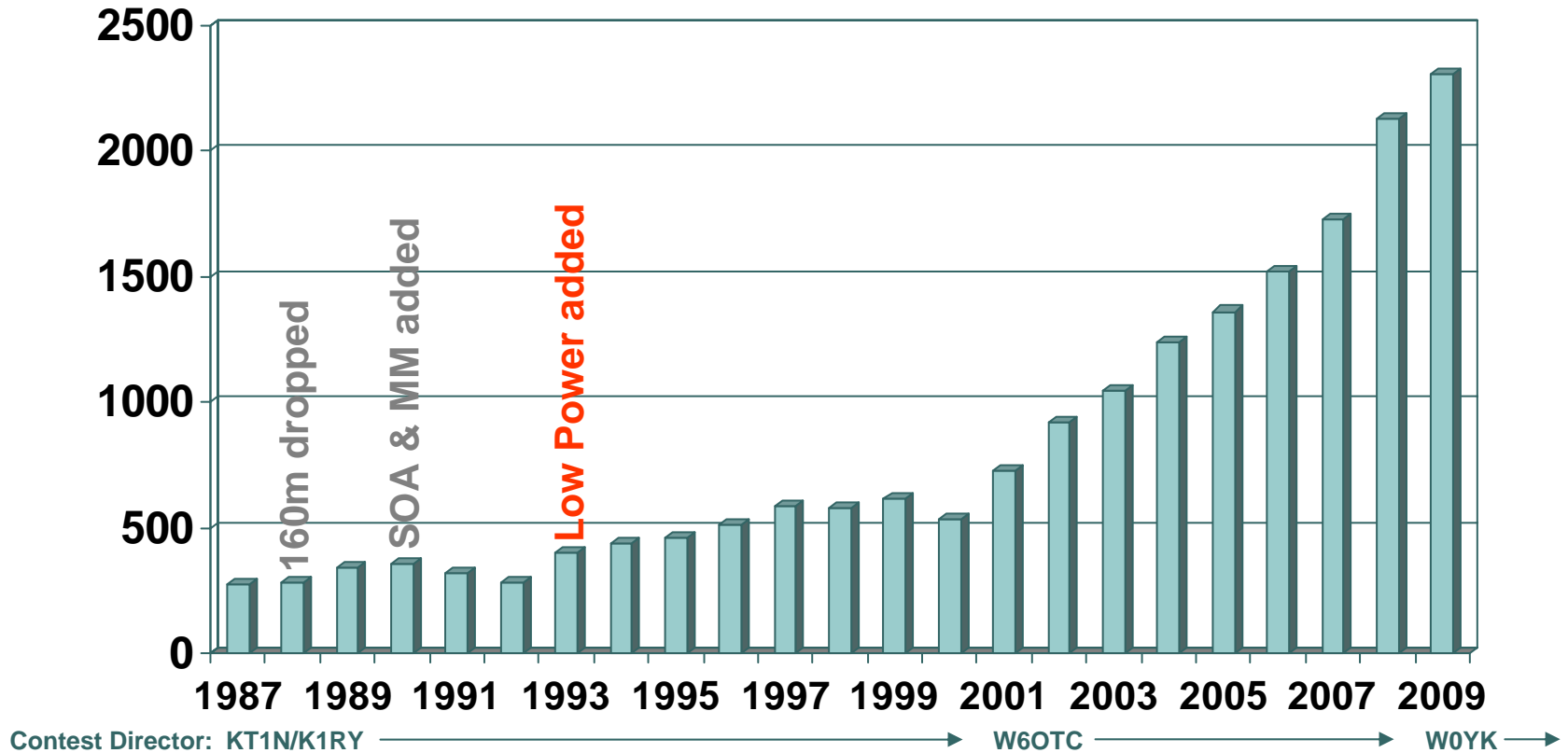
Evolution of Rules - 1990





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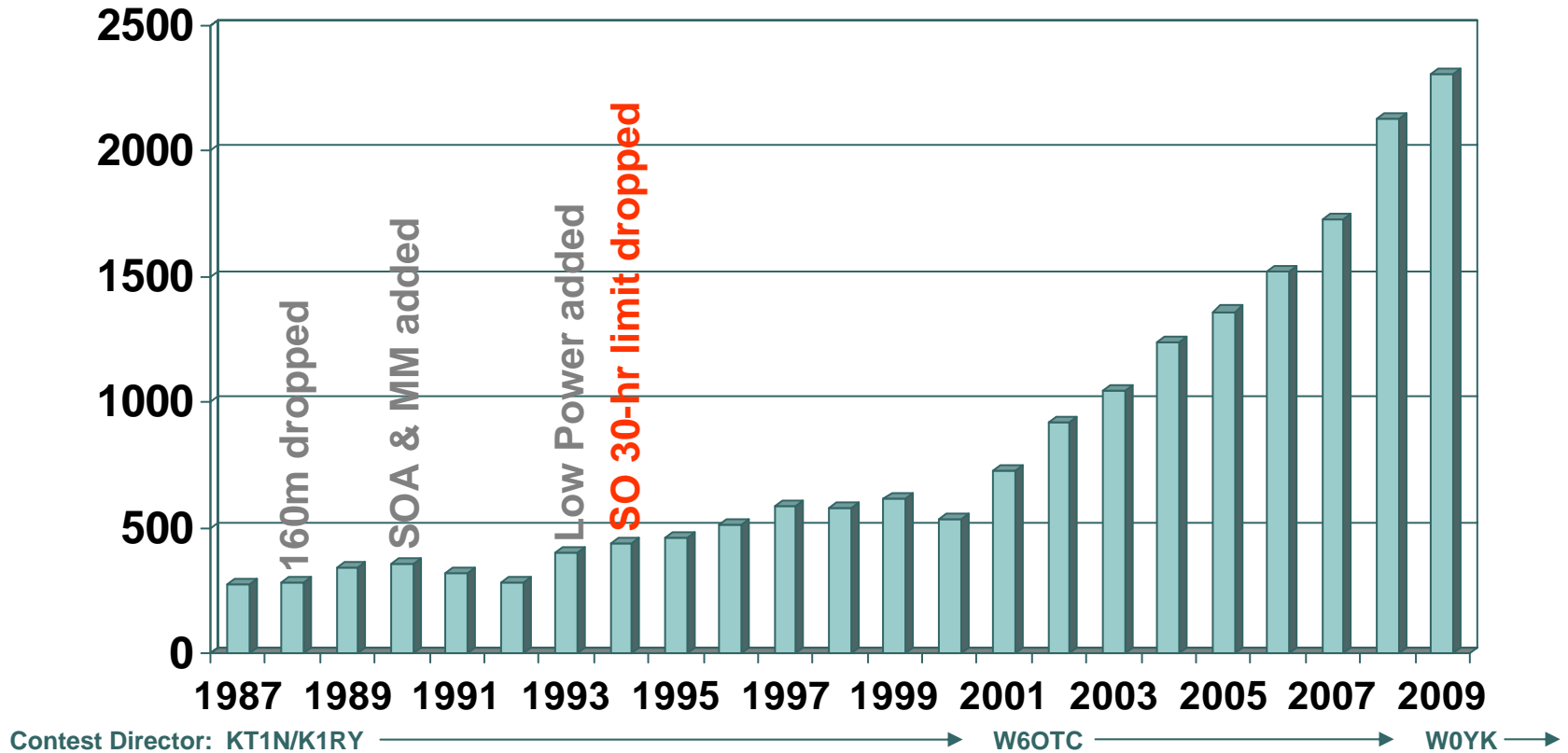
Evolution of Rules -1993





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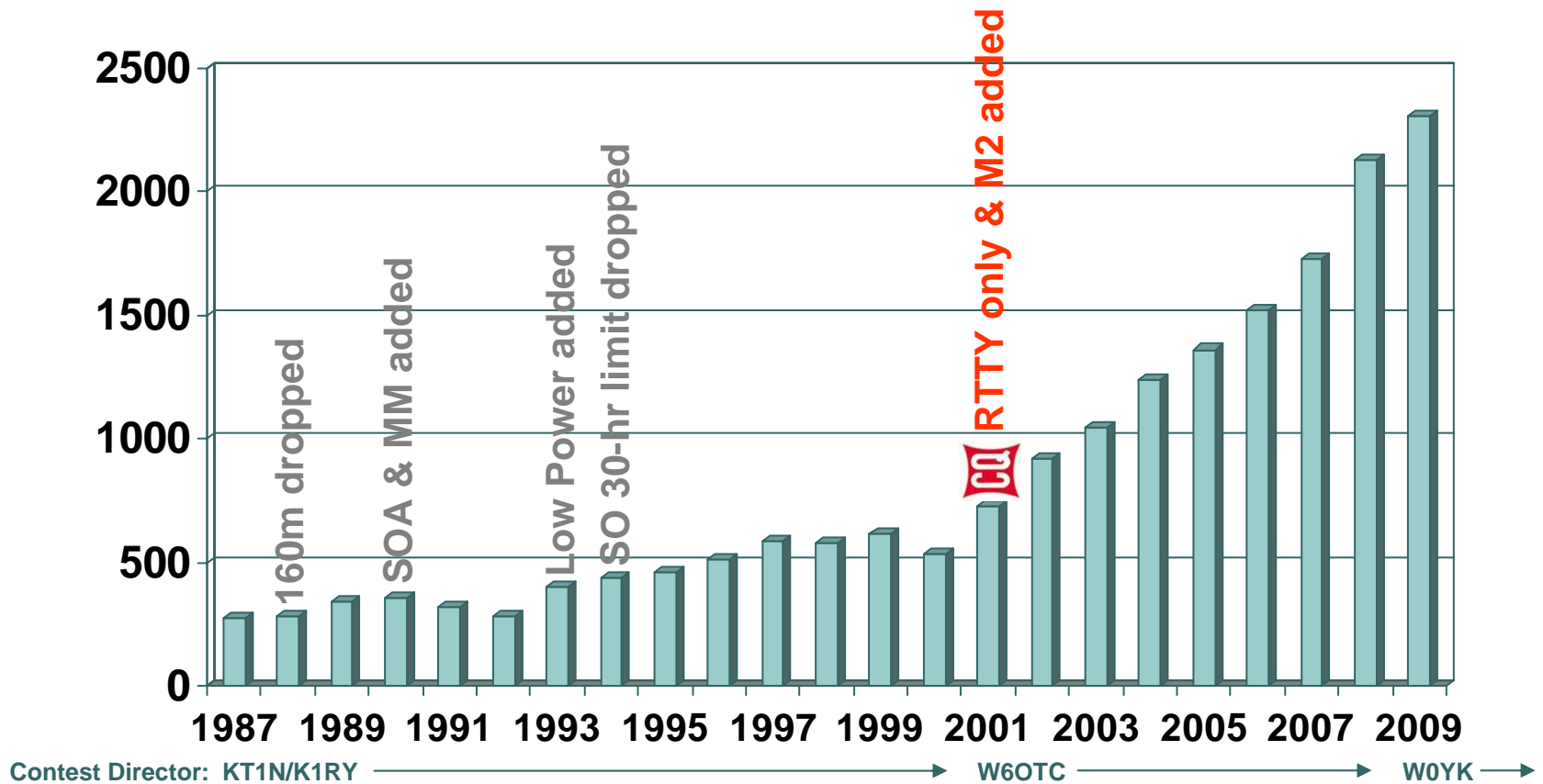
Evolution of Rules - 1994





RTTY

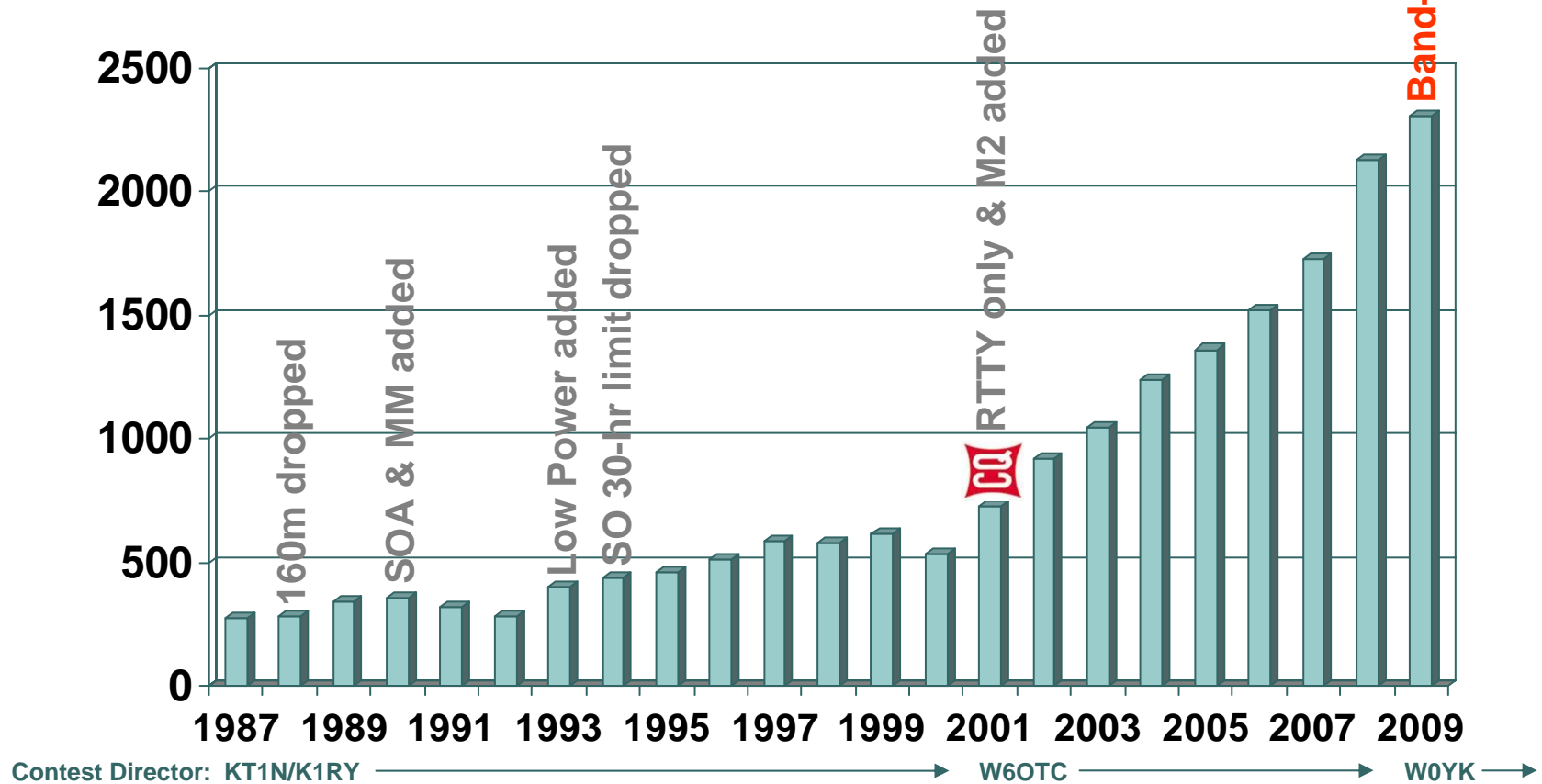
Evolution of Rules - 2001





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Evolution of Rules - 2009





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Rules: RTTY vs. CW/SSB

- ❖ No 160m
- ❖ US states and VE areas are mults (in addition to CQ countries and zones)
- ❖ QSO points:
 - ❖ Same continent/different country = 2 points (vs. 2 for NA and 1 for all others)
 - ❖ Same country = 1 point (vs. zero)
- ❖ Categories:
 - ❖ MS has a Low Power category
 - ❖ No QRP, Xtreme or Team Competition categories
- ❖ 8-bandchange/clock-hour (vs. 10-minute rule) for MS and M2




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www.cqwwrtty.com

 Rules

 Logs

 Results (searchable)

 Records (searchable)

 Awards

 (Blog in future)



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Submit a “Good” Log!

- ❖ Before the contest, make sure your logger will produce a proper Cabrillo 2.0 or 3.0 log file after the contest
 - ❖ MixW users, please review the pre- and post-contest guidelines on the website.
- ❖ After the contest, open your Cabrillo file with a text editor and check for proper header entries and QSO line format.
 - ❖ See website for CQ WW RTTY specifics
- ❖ After log checking, review your Log Check Report



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Log Submittal

- ❖ >95% of log check effort is simply editing logs for obvious mistakes.
- ❖ Header lines violate Cabrillo specification.
 - ❖ CONTEST: CQ-WW-RTTY
 - ❖ LOCATION: <ARRL Section or 'DX'>
- ❖ Call sign in QSO lines is not what was sent.
- ❖ Missing column, e.g., QTH.
- ❖ Columns in wrong order, e.g., QTH Zone



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US & Canada “Portables”

-  US & Canadian stations do not need to sign portable, e.g., ‘W0YK’ is OK in California.
-  Your actual location is determined from the ‘LOCATION:’ line in the Cabrillo file header where you insert your ARRL/RAC Section.
-  However, in the results, your call sign will be listed with the portable, e.g., W0YK/6 as determined by the ‘LOCATION:’ data.



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Other Details

- ❖ Single-band entries should log all contacts on other bands
 - ❖ Scored based on entry category
 - ❖ Other band QSOs used in cross-checking
- ❖ Log all contacts!
 - ❖ Dupes
 - ❖ Missing exchange
 - ❖ Any logging mistake



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Robot (rtty@cqww.com)

- ❖ The log submittal robot is your friend!
- ❖ It only checks for format errors.
 - ❖ It may “guess” at a header line, so make sure you agree!
- ❖ Read the email reply from the robot, then
 - ❖ correct any problems, and
 - ❖ re-submit your log
- ❖ Re-submit as many times as you wish. Only the last submittal is used in log check.
- ❖ Check the Logs Received webpage to be sure your call sign is listed.



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Club Competition

-  Enter your club name **exactly** as shown on www.cqwwrtty.com/clubsnames.htm
-  If your club is not on the list, submit its name to f6bee@cqwpx.com



Log Check Report (LCR)

Contest: CQWW-RTTY-2009
Call: CU2JT
Category: Check Log

```

***** Summary *****
  4 Claimed QSO before checking (does not include duplicates)
  4 Final   QSO after  checking reductions

12 Claimed QSO points
12 Final   QSO points

  1 Claimed countries
  1 Final   countries

  3 Claimed zones
  3 Final   zones

  4 Claimed States
  4 Final   State

  8 Claimed mults
  0 Final   mults

 96 Claimed score
 96 Final   score
 0.0 Score reduction

  0 (0.0) duplicates
  0 (0.0) calls copied incorrectly
  0 (0.0) band change violations
  0 (0.0) not in log
  0 (0.0) calls unique to this log only (not removed)

```

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***** Results By Band *****

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	Band	QSO	Qpts	Zone	Cty	Mult	Total
Claimed	80M	0	0	0	0	0	0
Final	80M	0	0	0	0	0	0
Claimed	40M	0	0	0	0	0	0
Final	40M	0	0	0	0	0	0
Claimed	20M	4	12	4	3	-	8
Final	20M	4	12	4	3	-	8
Claimed	15M	0	0	0	0	0	0
Final	15M	0	0	0	0	0	0
Claimed	10M	0	0	0	0	0	0
Final	10M	0	0	0	0	0	0
Claimed	All	4	12	4	3	-	8 Score
Final	All	4	12	4	3	-	8 Score


```


***** Multipliers by band *****
80M multiplier total 0

10M 15M 20M 40M 80M

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 Get & read your LCR!
 w0yk@cqwwrtty.com

 Look for ways to improve your accuracy, i.e. operating skill

 Compete with yourself next time



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LCR - Summary Section

Contest: CQWW-RTTY-2009
Call: P49X
Category: Multi-Two

***** Summary *****

4452 Claimed QSO before checking (does not include duplicates)
4378 Final QSO after checking reductions

13234 Claimed QSO points
13019 Final QSO points

323 Claimed countries
320 Final countries

106 Claimed zones
105 Final zones

225 Claimed States
223 Final State

654 Claimed mults
648 Final mults

8655036 Claimed score
8436312 Final score
-2.5% Score reduction

132 (2.9%) duplicates
40 (0.9%) calls copied incorrectly
2 (0.0%) band change violations
27 (0.6%) not in log
63 (1.4%) calls unique to this log only (not removed)



LCR - Band Summary Section

***** Results By Band *****

	Band	QSO	QPts	Zone	Cty	Mult	Total		
Claimed	80M	372	1107	47	16	53	116		
Final	80M	353	1051	46	15	51	112		
Claimed	40M	1235	3674	58	28	84	170		
Final	40M	1216	3617	58	28	84	170		
Claimed	20M	1804	5384	58	30	97	185		
Final	20M	1782	5320	58	30	97	185		
Claimed	15M	1020	3023	57	26	81	164		
Final	15M	1008	2989	56	26	81	163		
Claimed	10M	21	46	5	6	8	19		
Final	10M	19	42	5	6	7	18		
Claimed	All	4452	13234	225	106	323	654	Score	8655036
Final	All	4378	13019	223	105	320	648	Score	8436312



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LCR - NIL Section

***** Not In Log *****

3572	RY	2009-09-26	0218	P49X	9	DX	EA3GLB	14	DX
3572	RY	2009-09-26	0325	P49X	9	DX	UR7GO	16	DX
3572	RY	2009-09-26	0328	P49X	9	DX	LY9Y	15	DX
7058	RY	2009-09-26	0434	P49X	9	DX	N6KW	3	WA
7059	RY	2009-09-26	0506	P49X	9	DX	N2BJ	4	IL
3565	RY	2009-09-26	0508	P49X	9	DX	EA5RM	14	DX
3583	RY	2009-09-26	0616	P49X	9	DX	N6KW	3	WA
7058	RY	2009-09-26	0728	P49X	9	DX	KM6I	3	CA
14113	RY	2009-09-26	1524	P49X	9	DX	DM5JL	14	DX
28080	RY	2009-09-26	1924	P49X	9	DX	HK6P	9	DX
14126	RY	2009-09-26	2156	P49X	9	DX	KE7FBY	3	UT
14082	RY	2009-09-26	2345	P49X	9	DX	PW2P	11	DX
7056	RY	2009-09-27	0033	P49X	9	DX	EA5IY	14	DX
7056	RY	2009-09-27	0047	P49X	9	DX	K1DX	5	MA
14078	RY	2009-09-27	0206	P49X	9	DX	JA1PTJ	25	DX
3589	RY	2009-09-27	0219	P49X	9	DX	UT0AZA	16	DX
3572	RY	2009-09-27	0508	P49X	9	DX	UU7J	16	DX
3572	RY	2009-09-27	0535	P49X	9	DX	PY2NY	11	DX
3572	RY	2009-09-27	0619	P49X	9	DX	KL8DX	1	DX
3573	RY	2009-09-27	0916	P49X	9	DX	K3IU	5	RI
14104	RY	2009-09-27	0958	P49X	9	DX	LY9Y	15	DX
14126	RY	2009-09-27	1013	P49X	9	DX	M00XO	14	DX
14126	RY	2009-09-27	1147	P49X	9	DX	DL5AN	14	DX
21098	RY	2009-09-27	1350	P49X	9	DX	YO7DAA	20	DX
21098	RY	2009-09-27	1415	P49X	9	DX	SP2EXE	15	DX
14074	RY	2009-09-27	1559	P49X	9	DX	OZ7XE	14	DX
7033	RY	2009-09-27	2109	P49X	9	DX	ER5DX	16	DX



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LCR - Incorrect Call Section

***** Incorrect call *****

7058	RY	2009-09-26	0022	P49X	9	DX	SP3GXM	15	DX	correct	SP3GXH
14074	RY	2009-09-26	0203	P49X	9	DX	N6KD	3	CA	correct	N6FD
7058	RY	2009-09-26	0219	P49X	9	DX	K9WKW	4	IN	correct	N9WKW
3572	RY	2009-09-26	0308	P49X	9	DX	K0IP	4	MN	correct	K0IR
3583	RY	2009-09-26	0339	P49X	9	DX	DQ4Q	14	DX	correct	DQ4W
7058	RY	2009-09-26	0344	P49X	9	DX	K3GM	5	PA	correct	K3GMT
7059	RY	2009-09-26	0518	P49X	9	DX	UX6IX	16	DX	correct	UX6IB
3583	RY	2009-09-26	0659	P49X	9	DX	N8MOE	4	MI	correct	N8NOE
3583	RY	2009-09-26	0712	P49X	9	DX	K2ZZ	5	NJ	correct	K2ZC
3583	RY	2009-09-26	0716	P49X	9	DX	N6KN	3	CA	correct	N6AN
7034	RY	2009-09-26	0821	P49X	9	DX	K2QB	5	NY	correct	K2QD
21097	RY	2009-09-26	1412	P49X	9	DX	WB8KI	4	OH	correct	WB8K
28080	RY	2009-09-26	1928	P49X	9	DX	LU8HF	13	DX	correct	LU1HF
21097	RY	2009-09-26	2001	P49X	9	DX	PU9AAD	11	DX	correct	PU5AAD
14126	RY	2009-09-26	2008	P49X	9	DX	UA3QQ	16	DX	correct	UA3QLQ
14126	RY	2009-09-26	2111	P49X	9	DX	K3FN	5	PA	correct	K3FS
7056	RY	2009-09-26	2205	P49X	9	DX	K1QMF	5	NY	correct	K2QMF
14126	RY	2009-09-26	2214	P49X	9	DX	WA4FME	4	CO	correct	WA4FMA
14074	RY	2009-09-26	2326	P49X	9	DX	JH6GUO/4	25	DX	correct	JH1GUO
7056	RY	2009-09-27	0012	P49X	9	DX	N6MA	3	CA	correct	RN6MA
7056	RY	2009-09-27	0039	P49X	9	DX	N3IMJ	5	PA	correct	N3INJ
7058	RY	2009-09-27	0110	P49X	9	DX	OH7M	15	DX	correct	OH7MN
7060	RY	2009-09-27	0301	P49X	9	DX	XE2Y	6	DX	correct	XE2S
7060	RY	2009-09-27	0340	P49X	9	DX	RV3QQ	16	DX	correct	RV3QR
3572	RY	2009-09-27	0409	P49X	9	DX	N1ND	3	CA	correct	N6ND
3573	RY	2009-09-27	0913	P49X	9	DX	W0TU	4	ND	correct	W0TUP



LCR - Incorrect Exchange, Band Change & Format

***** Incorrect Exchange Information *****

14074	RY	2009-09-26	0119	P49X	9	DX	W4OJC	4	KS	correct	GA
7059	RY	2009-09-26	0537	P49X	9	DX	WC2Z	5	DE	correct	TN
21097	RY	2009-09-26	2028	P49X	9	DX	N7GVV	4	OH	correct	IN
21098	RY	2009-09-27	1335	P49X	9	DX	WC2Z	5	DE	correct	TN
21091	RY	2009-09-27	2242	P49X	9	DX	K9NR	4	DX	correct	IL

***** Band Change Violations *****

3590	RY	2009-09-26	1045	P49X	9	DX	K5EK	5	NC		
3590	RY	2009-09-26	1047	P49X	9	DX	N2ED	5	NJ		

***** Cabrillo Format Errors *****

P49X line 3341
Unknown country received: VY7HY



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LCR - Uniques Section

***** Unique Calls Worked (not removed) *****

7058	RY	2009-09-26	0045	P49X	9	DX N1WC	5	MD
7058	RY	2009-09-26	0047	P49X	9	DX OM3TK	15	DX
7058	RY	2009-09-26	0204	P49X	9	DX DF2MM	14	DX
7058	RY	2009-09-26	0242	P49X	9	DX UR7VA	16	DX
7058	RY	2009-09-26	0247	P49X	9	DX RV6WC	16	DX
3572	RY	2009-09-26	0307	P49X	9	DX K9MQ	4	AL
7058	RY	2009-09-26	0308	P49X	9	DX DL1HR	14	DX
7058	RY	2009-09-26	0318	P49X	9	DX W9RIG	4	WI
7059	RY	2009-09-26	0556	P49X	9	DX ZK2V	32	DX
3583	RY	2009-09-26	0630	P49X	9	DX W3GM	5	VA
7058	RY	2009-09-26	0657	P49X	9	DX IZ7DUB	15	DX
7058	RY	2009-09-26	0716	P49X	9	DX EC1UV	14	DX
3583	RY	2009-09-26	0722	P49X	9	DX KD5M	4	TX
14110	RY	2009-09-26	1032	P49X	9	DX DL4MFN	14	DX
7038	RY	2009-09-26	1124	P49X	9	DX K8NWD	4	MI
14110	RY	2009-09-26	1155	P49X	9	DX DF2GY	14	DX
21097	RY	2009-09-26	1403	P49X	9	DX AF5K	4	OK
21097	RY	2009-09-26	1830	P49X	9	DX S51A	15	DX



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LCR - Multiplier Section

***** Lost Multipliers *****

28080 RY 2009-09-26 1924 P49X	9	DX HK6P	9	DX Not in log
21098 RY 2009-09-27 2157 P49X	9	DX AD7XQ	3	MT incorrect call
3572 RY 2009-09-26 0328 P49X	9	DX LY9Y	15	DX Not in log
3572 RY 2009-09-27 0535 P49X	9	DX PY2NY	11	DX Not in log
3572 RY 2009-09-27 0535 P49X	9	DX PY2NY	11	DX Not in log
3573 RY 2009-09-27 0916 P49X	9	DX K3IU	5	RI Not in log

***** Multipliers by band *****

80M multiplier total 112

CT	CT3	CX	DL	EA	EA8	EI	ES	F	FM
G	GI	GM	GU	HA	HB	HI	HK	HP	HR
I	J3	K	KH6	KL	KP4	LA	LU	LX	OH
OK	OM	ON	OY	P4	PA	SM	SP	SV	SV9
T7	TI	UA	UR	VE	XE	YL	YO	YU	YV
Z3									

1 3 4 5 6 7 8 9 13 14 15 16 20 31 33



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LCR - Your Call Incorrect





***** Stations Copying P49X Incorrectly *****

14000	RY	2009-09-26	0113	AE4EC	5	NC P49E	9	P4
3800	RY	2009-09-26	0207	VE1BZI	5	NS P89X	9	DX
14114	RY	2009-09-26	1614	W1RPG	5	CT V49X	9	DX
14061	RY	2009-09-26	1708	EY8MM	17	DX P49Y	9	DX
14000	RY	2009-09-26	2136	DF5BX	14	DX P49M	9	DX
7000	RY	2009-09-27	0734	G0DAY	14	DX DP49X	14	DX
21096	PH	2009-09-27	1405	UY5QO	16	DX P45X	9	DX
14088	RY	2009-09-27	2021	SP5GDY	15	DX P45X	9	DX
21086	RY	2009-09-27	2045	KP2DX	08	DX P49XN	9	DX



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Scores Database

-  View your history
-  Research the results and records of a specific area, e.g., VE3 or JA7 or Bulgaria
-  Find various records to beat (including “unofficial” records)
-  (On-line logs in the future)



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Certificates



 1st in each category

- ❖ Each country
- ❖ Each call area: US, VE, JA, VK, EA, Russia

 About 25% of logs

 (On-line printable certificates in future for all participants)



RTTY

Plaques




- ❑ Plaques based on sponsorship
- ❑ \$65
- ❑ Extras can be ordered (multi-ops, guest-ops)
- ❑ Manager: Mike, K4GMH
- ❑ Listed on website
- ❑ Single-Op DXpedition I2UIY Memorial Award





RTTY

Pictures and Stories

-  Take pictures, especially with operators and any unusual aspects (geography, antennas, station, problems, oddities, etc.).
-  Keep notes of conditions, operating, unusual openings, exciting events, etc.
-  Email to w0yk@cqwwrtty.com



RTTY

www.facebook.com/cqratty


 “Like” the CQ RTTY Facebook page at

www.facebook.com/cqratty

 Covers both CQ RTTY contests:

❖ CQ WPX RTTY, and

❖ CQ WW RTTY

 Blog alternative? (requires Facebook account)



RTTY

RTTY Contest Resources

 www.rttycontesting.com

 www.aa5au.com

 MMTTY: mmhamsoft.amateur-radio.ca/

 Logging Software:

❖ WriteLog: www.writelog.com

❖ N1MM Logger: www.n1mm.com

❖ Win-Test: www.win-test.com/

❖ MixW: mixw.net/

 Discussion groups:

❖ RTTY: lists.contesting.com/mailman/listinfo/rtty

❖ MMTTY: groups.yahoo.com/group/MMTTY/

❖ MixW: groups.yahoo.com/group/mixw/



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CU Next Weekend!





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CU Next Weekend!

