

Results of the 2013 CQ WW RTTY DX Contest

BY ED MUNS,* WOYK

Sunset at the OL7M antenna farm where Jan, OK2ZAW, won Single Op 80 Meters High Power as OL9A.

Operators in 165 countries around the world made over 1.6-million QSOs in the 27th consecutive running of this event. Over 15,500 participants and a record number of 3411 submitted logs provided lots of RTTY activity for everyone to enjoy. Solar conditions were down slightly from 2012, but did not significantly affect operating. All five bands performed well in their openings during the weekend.

9A1A, ES9C, and OH0V each logged 36 zones on 20 meters, the highest number of zones on any band. 9A1A and ES9C tied for the highest total band-zone count of 145. ES9C worked 465 band-countries, far beyond any other participant. P49X captured the most band-QTHs (US states and VE areas), 268.

Sixty-seven new Continental records were set out of a total of 240. Thirteen of the 40 World records were broken. These statistics are down slightly from 2012, but of course records become harder to break as they continue to be lifted! This was the second year for the QRP categories and entries grew from 91 to 129. Being new, these categories are ripe for record setting. Here is a summary of the new records set:



Twelve-year-old Adrian, HE9AKG, hunting multipliers while Mike, DL1II, proudly looks on.

	World		Continent	
	New	Avail.	New	Avail.
SO10	2	6	10	36
SO15	1	6	10	36
SO20	3	6	11	36
SO40	2	6	10	36
SO80	2	6	6	36
SOAB	2	6	13	36
MS		2	3	12
M2		1	2	6
MM	1	1	2	6
Total	13	40	67	240

(Assisted and unassisted categories combined)

Single-Op High Power (558 logs submitted)

Single-Op All Band High Power (409). Oyvind, LB8IB, won with 4.9M. John, K1FWE, took second with 4.7M despite oversleeping Sunday morning and missing some of the peak

rate on 10 and 15. He reports, though, that Saturday was the most fun he's ever had with a radio (actually TWO radios!). Chris, SN7Q (SP7GIQ), was a close third with 4.6M and then came Terry, AB5K, 4.3M; Jeff W7RN (WK6I), 4.1M; Wanderley, ZZ2T (PY2MNL), 4.0M; Andy, UU7J (UU0JM), 3.9M, EM0I 3.5M; Lee, VE7CC, 3.4M; and Stefan, DL1IAO, 3.2M.

Single-Op 80 Meters High Power (8). Jan, OL9A (OK2ZAW @OL7M), topped the category with 189K.

Single-Op 40 Meters High Power (30). Miroslaw, SO4M (SP4MPG), won with 627K, but fell short of the record he set in 2010. Third place Glenn, W0GJ, won North America, and ninth place Serge, UA0SR, set a new Asia record at 132K.

Single-Op 20 Meters High Power (33). Kari, OH0V (OH4KA), took first place with 983K and Gennadiy, UN1L, was second with 808K. Fifth place Jerry, N9AW, won North America with 365K.

Single-Op 15 Meters High Power (47). Carlos, CT3FQ, was first with 889K; Vaho, 4L8A, was second with 861K; and

*e-mail: <w0yk@cqwvrtty.com>



Susanne, HAØ/KDØRYB drove her OM's station (HAØNAR/HGØR) in her favorite mode of RTTY to capture fourth place in 20 Meters Low Power Assisted.



Przemek, SQ9ORQ, won Europe 15 Meters Low Power Assisted with this modest station.



third-place Remigijus, LY8O ,set a new Europe record with 826K.

Single-Op 10 Meters High Power (31). Rene, AY2H (LU7HN), set a new World record with 853K, while Bertrand, FG8OJ, took second place with 483K.

Single Operator Low Power (1404 logs submitted)

Single-Op All Band Low Power (1037). Phil, FG5LA, led this most popular category with 2.5M, where nearly a third of the logs are received. Rimas, LY6A, was close behind, also with 2.5M, followed by Kristjan, S50XX, with 2.4M. Don, AA5AU, took fourth with 2.3M and Kazu, MJ5Z (JK3GAD), took fifth with 2.1M.

Single-Op 80 Meters Low Power (17). Gyorgy, HA1WD, won with 59K after setting the first world record in 80-meter QRP in 2012.

Single-Op 40 Meters Low Power (52). Evgeni, 4Z5UN (UU2JM), set a new Asia record with 222K (twice his 2012 score) to win. Bela, HA8BE, was second with 159K.

Single-Op 20 Meters Low Power (113). Juan, YW5T (YV5JBI), won with the second-highest all-time score of 525K and set a new South America record. Vlad, RZ1ZZ, was second with 370K and Nick, UN7JX, was third with 300K.

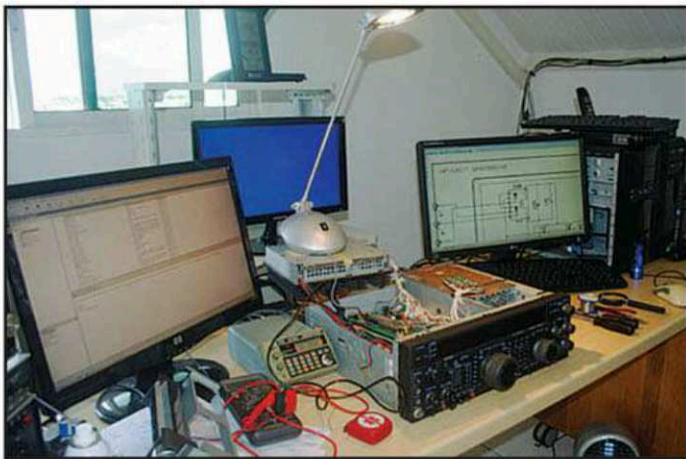
Enrico, 6V7X (home call IK2FIL, top), who operated from 6W7RV (above) since 2010, won Single Op 10 Meters Low Power.

Single-Op 15 Meters Low Power (121). Francisco, EE7Y, scored the third highest all-time with 499K for a new Europe record. Gabry, IT9RGY, and Packo, EA3GLB, were next with 388K and 383K, respectively. Fourth place Yana, YB1AR, set a new Oceania record with 326K.

Single-Op 10 Meters Low Power (64). Enrico, 6V7X (IK2FIL@6W7RV), set a new world record with 649K. He had nearly 29 hours of band opening with tremendous pileups at times. With 3 elements on Europe and 7 on North America, the roar could at least be split in half! Wayne, PJ2/K8LEE, was second with 387K, and third-place Oscar, EA1DR, set a new Europe record with 379K. Danu, YD1GCL, set a new Oceania record with 120K.

Single Operator QRP (99 logs submitted)

Single-Op All Band QRP Power (53). Ymanol, YW2LV (YV5YMA), set an impressive new World record with a score of 2.4M, close to the top Low Power All Band score in this



Phil, FG5LA's FT1000 failed just three days before the contest, but he repaired it successfully and in time to win World Single-Op Low Power All Band.

contest. Rudolf, F5VBT, and Antonn, OK7CM, were next with 606K and 571K, respectively, while Dave, K2YG, was close behind in fourth place with 567K. Sergey, UA0ZS, set a new Asia record with 86K, while Bob, KH6KG, set a new Oceania record with 57K.

Single-Op 80 Meters QRP (4). Dmitru, UT3N, won with 23K, and Shunichiro, JH7IMX, established the Asia record with just 21 points!

Single-Op 40 Meters QRP (7). Gabor, 4O/HG3IPA (HA3JB), set a new world record with 74K, and 5th place Juan, CO2JD, set a new North America record with 32K.

Single-Op 20 Meters QRP (14). Piotr, SP6QKP, topped this field with 65K, and 5th place Ken, VE3HLS, set a new North America record with 24K.

Single-Op 15 Meters QRP (13). Vittorio, IZ2JPN, won with 72K, and 5th place Ted, N5UE, set a new North America record.

Single-Op 10 Meters QRP (8). Abdullah, HZ1BW, set a new Asia record with 129K to win this year, and second place Santiago, LW2EE, set a new South America record with 89K.

Single-Op Assisted High Power (518 logs submitted)

Single-Op Assisted All Band High Power (390). Yuri, RG9A, took top honors with 6.0M from Asia, and if you've wondered how to be loud everywhere and win a worldwide contest from the Urals, take a look at the RG9A profile on <www.cqwwrtty.com>. Second-place Victor, UW1M, set a new Europe record with 5.9M. Third, fourth, and fifth went to Bud, AA3B, Fabi VA2UP, and Alexandr, UA5C, with 5.8M, 5.7M, and 5.2M each.

Single-Op Assisted 80 Meters High Power (10). Dave, 9A5BWW, won with 142K in this his second CQ WW RTTY contest. He lost 4-5 hours just two hours into the contest when "Mr. Murphy was chatting with my software."

Single-Op Assisted 40 Meters High Power (16). Alexander, A65BP (RV6LNA), set a new Asia record with 395K to win, and Petri, OH6R (OH3FM), won Europe for second place with 331K.

Single-Op Assisted 20 Meters High Power (29). Stephane, F4DXW, set a new World record with 1.1M. Alex, DR1D (DL1NX/PY1KS/PY2SEX @DL3KO), and Joel, VE6WQ (@ VE6JY), were second and third with 840K and 781K.

Single-Op Assisted 15 Meters High Power (44). Satoru, 9A5Y (9A3NM), won with 911K and set a new Europe record,

while second-place Norm, 5B4AIF, set a new Asia record with 875K.

Single-Op Assisted 10 Meters High Power (29). Arturo, LV6E (LU6TEB), set a new South America record with 655K to win, and second-place Joel, NH2DX (KG6DX), set a new Oceania record with 420K.

Single-Op Assisted Low Power (445 logs submitted)

Single-Op Assisted All Band Low Power (319). Mark, N2QT, won with 2.8M, while second place Yuri, UN6P, set a new Asia record with 1.9M. Third and fourth places also came from Asia with Yuri, RT9S, and Hani, HZ1HN, scoring 1.6M and 1.5M each. Fifth-place Dieter, DF2SD, won Europe with 1.1M

Single-Op Assisted 80 Meters Low Power (13). Dunia, EA8MT, set a new World record with 94K, and second place

**2013 WW RTTY DX CONTEST
TOP SCORES IN VERY ACTIVE ZONES**

Zone 3		OM5ZW3,319,008
W7RN.....	4,059,872	IZ6TSA3,231,922
VE7CC.....	3,404,394	IN3VVK3,002,550
K6LL/7.....	2,850,570	OE6MDF2,961,244
N6RO.....	2,024,860	
VA7KO.....	1,923,705	
Zone 4		Zone 16
AB5K.....	4,280,430	UW1M5,875,792
VE5MX.....	2,938,100	UA5C5,246,100
AC0C.....	2,870,175	UU7J3,912,740
K0KX.....	2,362,542	EM0I3,482,900
*AA5AU.....	2,262,050	UR7GO3,138,600
Zone 5		Zone 20
AA3B.....	5,822,172	LZ8E3,894,030
VA2UP.....	5,686,272	YO3CZW1,719,690
K1FWE.....	4,691,368	LZ6K1,489,054
N1QD.....	3,422,793	YO3APJ1,473,760
VA2AM.....	3,039,986	YQ6A739,505
Zone 14		Zone 25
LB8IB.....	4,923,285	JH4UYB2,853,840
LN5O.....	3,620,180	JS3CTQ2,388,204
DL1IAO.....	3,180,060	JM1XCW2,109,156
EA1AKS.....	2,693,839	JR4OZR2,023,584
DD2ML.....	2,594,400	JA1OVD1,466,138
Zone 15		<i>*Low Power</i>
SN7Q.....	4,582,795	

Send your voice to the world with a digital mobile radio.

Work a D-STAR repeater and you're tied in to worldwide communications, whether you're using a D-STAR mobile or handheld radio. Enjoy advanced digital communication with D-STAR transceivers.



IC-9100

HF + 6m + 2m + 70cm + 23cm¹ All-Around Transceiver

D-STAR *optional*

- 100/100/100/75/10¹ Watt Output³
- RX: 0.030–60.000², 136.000–174.000², 420.000–480.000², 1240.000–1320.000^{2,3} MHz*
- AM³, FM, SSB, RTTY, CW, & DV¹
- Satellite (Mode B/J/L¹)
- +30dBm TOI²
- Two Independent 32-bit DSP Systems
- 3kHz/6kHz 1st IF "Roofing" Filters¹ (HF/6m)
- Double Conversion Superheterodyne with Image Rejection Mixer
- USB Port for PC Control and Audio In/Out



IC-7100

HF + 6m + 2m + 70cm Mobile Multi-bander

D-STAR *ready*

- 100/100/50/35 Watt Output*
- RX: 0.03–199.999, 400–470MHz*
- 1205 Alphanumeric Memory Channels
- Touch Screen with Built-in Speaker
- 32-bit IF-DSP
- External GPS Option

D-PRS™



IC-2820H

Feature-Rich 2m + 70cm + Optional GPS

D-STAR *optional*

- 50/15/5 Watt Output
- RX: 118–549.995, 118–173.995, 375–549.999, 810–999.990MHz*
- 522 Alphanumeric Memory Channels
- One Touch Reply Function
- Digital Voice/GPS (Optional UT-123 Required)
- Low Speed Data (Optional OPC-1529R Required)



ID-880H

ENTRY-CLASS 2m + 70cm DIGITAL MOBILE

D-STAR *ready*

- 50/15/5 Watt VHF/UHF
- FM, AM (Receive only), DV
- RX: 118–999.99MHz*
- 1052 Alphanumeric Memory Channels
- Free Programming Software![†]

[†]www.icomamerica.com/amateur/DSTAR for details about free software



ID-1

GO DIGITAL ON 23cm

D-STAR *ready*

- 10 Watt on 23cm (FM, DV, DD)
- RX: 1240–1300MHz*
- 100 Alphanumeric Memory Channels
- USB Rig Control, Ethernet Plug for DD
- Black Box Operation
- Remote Control Head, Remote Speaker and Cables Included
- PC Software Included

Information & Downloads

AMATEUR TOOL KIT | COMIC BOOKS | VIDEOS | WWW.ICOMAMERICA.COM

Electronic advertisements feature active links for each radio.

¹Frequency specs may vary. Refer to owner's manual for exact frequency specs.

²Optional UX-9100 required. ³HF (14MHz) ⁴See manual for AM output power.

©2014 Icom America Inc. The Icom logo is a registered trademark of Icom Inc.

The D-PRS logo is a trademark of Icom Inc. All specifications are subject to change without notice or obligation. 30909

ICOM®

2013 CQ WW RTTY DX CONTEST TOP SCORES

<p>WORLD SINGLE OPERATOR ALL BAND HIGH POWER</p> <p>LB8BI 4,923,285 K1FWE 4,691,368 SN7Q 4,582,795 AB5K 4,280,430 W7RN 4,059,872</p> <p>28 MHz</p> <p>AY2H 852,609 FG8OJ 482,980 CE3DNP 384,652</p> <p>21 MHz</p> <p>CT3FQ 889,350 4L8A 861,052 LY8O 826,166</p> <p>14 MHz</p> <p>OH0V 940,866 UN1L 807,989 YL2CI 516,132</p> <p>7 MHz</p> <p>SO4M 627,216 IZ0KBR 409,836 IN3QBR 364,343</p> <p>3.5 MHz</p> <p>OL9A 189,072 IZ5NRF 64,944 HA3HZ 49,538</p> <p>LOW POWER ALL BAND</p> <p>*FG5LA 2,528,400 *LY6A 2,459,972 *S50XX 2,437,120 *AA5AU 2,262,050 *MJ5Z 2,077,146</p> <p>28 MHz</p> <p>*6V7X 649,496 *PJ2/KLEE 387,228 *EA1DR 378,898</p> <p>21 MHz</p> <p>*EE7Y 498,617 *IT9RGY 387,625 *EA3GLB 383,368</p> <p>14 MHz</p> <p>*YW5T 525,483 *RZ1ZZ 369,684 *UN7JX 299,880</p> <p>7 MHz</p> <p>*4Z5UN 221,980 *HA8BE 158,880 *EW8DZ 120,432</p> <p>3.5 MHz</p> <p>*HA1WD 56,181 *IC8TEM 45,227 *OK2SAR 44,605</p> <p>QRP ALL BAND</p> <p>YW2LV 2,399,320 F5VBT 606,195 OK7CM 571,482 K2YG 566,892 W6QU 325,380</p> <p>28 MHz</p> <p>HZ1BW 129,336 LW2EE 88,578 RV6LX 18,525</p> <p>21 MHz</p> <p>IZ2JPN 71,940 SP4LVK 65,312 JA0VTK 37,157</p> <p>14 MHz</p> <p>SP6QKP 64,974 IK4UXA 48,685 ES1LS 42,354</p> <p>7 MHz</p> <p>40/HG3IPA 74,052 UX5UU 63,744 HG6C 58,136</p> <p>3.5 MHz</p> <p>UT3N 23,274 OK1WCF 16,320 G4IRN 1,533</p> <p>ASSISTED HIGH POWER ALL BAND</p> <p>RG9A 5,971,822 UW1M 5,875,792 AA3B 5,822,172 VA2UP 5,686,272 UA5C 5,246,100</p>	<p>28 MHz</p> <p>LV6E 654,974 NH2DX 420,210 TK5MH 336,000</p> <p>21 MHz</p> <p>9A5Y 910,845 5B4AIF 874,825 DF9ZP 726,869</p> <p>14 MHz</p> <p>F4DXW 1,118,685 DR1D 840,000 VE6WQ 780,764</p> <p>7 MHz</p> <p>A65BP 395,352 OH6R 331,390 9A5M 301,350</p> <p>3.5 MHz</p> <p>9A5BWW 141,588 SP8K 97,020 DL2SAX 96,252</p> <p>LOW POWER ALL BAND</p> <p>*N2QT/4 2,753,184 *UN6P 1,875,312 *RT9S 1,624,596 *HZ1HN 1,508,580 *DF2SD 1,134,420</p> <p>28 MHz</p> <p>*LW5DW 348,435 *PX2T 284,418 *I0UZF 226,455</p> <p>21 MHz</p> <p>*LU7HF 329,586 *4Z5CP 328,578 *SQ9ORQ 272,214</p> <p>14 MHz</p> <p>*HG5D 464,326 *LZ9R 433,192 *WH0RU 423,657</p> <p>7 MHz</p> <p>*YT2B 178,176 *SV5DKL 144,304 *W3FIZ 108,486</p> <p>3.5 MHz</p> <p>*EA8MT 93,670 *SP50XJ 58,888 *YU1XX 30,464</p> <p>QRP ASSISTED ALL BAND</p> <p>OK3C 713,205 IK3SSJ 433,350 PE2K 308,898 N6MA/7 296,010 CO2IZ 151,956</p> <p>28 MHz</p> <p>Y08DDP 12,100 UT2AB 6,288 F5HRH 4,644</p> <p>21 MHz</p> <p>IZ3NVR 63,392 VE3XD 40,630 M0DDT 19,637</p> <p>14 MHz</p> <p>OX5M 81,510 DK2AB 28,768 9A6K 4,700</p> <p>7 MHz</p> <p>DJ2RG 61,698 EA2CRX 42,330</p> <p>3.5 MHz</p> <p>M0VAA 19,437</p> <p>MULTI-OPERATOR SINGLE-TRANSMITTER HIGH POWER</p> <p>I4DZ 7,592,534 W2FU 7,484,362 EF8U 7,127,736 UZ2M 6,870,906 K1SFA 6,572,316</p> <p>MULTI-OPERATOR SINGLE-TRANSMITTER LOW POWER</p> <p>*VP9J 3,236,751 *S50W 2,978,976 *DD1A 2,918,592 *CS5CRE 2,349,189 *OH5EHC 1,910,216</p>	<p>MULTI-OPERATOR TWO-TRANSMITTER</p> <p>CR3A 11,759,480 P49X 11,640,486 W1UE 9,616,408 ED1R 9,242,354 LX7I 8,857,935</p> <p>MULTI-OPERATOR MULTI-TRANSMITTER</p> <p>ES9C 16,321,906 HK1NA 15,262,260 9A1A 14,391,440 CR3L 11,010,000 I09UI 10,960,464</p> <p>UNITED STATES SINGLE OPERATOR ALL BAND HIGH POWER</p> <p>K1FWE 4,691,368 AB5K 4,280,430 W7RN 4,059,872 AC0C 2,870,175 K5ZD/1 2,312,926</p> <p>28 MHz</p> <p>N7US/9 224,352 W7ZR 57,783 K0JJ/7 15,640</p> <p>21 MHz</p> <p>WR9D 265,780</p> <p>14 MHz</p> <p>N9AW 365,064 W3RTY 109,746 W7PU 101,530</p> <p>7 MHz</p> <p>W0GJ 302,632 W1TY/2 128,780 N2HR/3 118,762</p> <p>3.5 MHz</p> <p>N8CL/2 35,518 W7RY 24,282 NN4K 1,488</p> <p>LOW POWER ALL BAND</p> <p>*AA5AU 2,262,050 *NT0F 1,218,374 *WA1FCN/4 1,052,504 *AD5XD 950,235 *K1IM 877,584</p> <p>28 MHz</p> <p>*WE6EZ/5 30,699 *WB3LHD 20,540 *KK4MIN 5,328</p> <p>21 MHz</p> <p>*K6GHA 182,160 *N2YBB 125,706 *WB3JFS/7 110,390</p> <p>14 MHz</p> <p>*K8MU 179,601 *N6J 127,743 *N5PU 34,977</p> <p>7 MHz</p> <p>*AA8R 119,784 *N4J/5 85,050 *NX9G 82,042</p> <p>3.5 MHz</p> <p>*WW1MM 10,726 *N7UR 728</p> <p>QRP ALL BAND</p> <p>K2YG 566,892 W6QU 325,380 AC5O 61,748 K7HBN 28,910 AI9K 25,986</p> <p>28 MHz</p> <p>WD9FTZ/8 9,912 KB2HSH 2,560</p> <p>21 MHz</p> <p>N5IJE 23,579 W1CSM 16,324 N6HI/7 888</p> <p>14 MHz</p> <p>K3TW/4 1,598</p> <p>ASSISTED HIGH POWER ALL BAND</p> <p>AA3B 5,822,172 N10D 3,422,793 K6LL/7 2,850,570 W4PK 2,754,526 W3FV 2,600,245</p>	<p>28 MHz</p> <p>KU5B 331,010 N2WK 257,730 W90A/9 153,352</p> <p>21 MHz</p> <p>N7AT 644,826 WA5ZUP 517,450 K4MM 454,410</p> <p>14 MHz</p> <p>W9IYL 271,656 K4WW 157,480 K6TU 22,596</p> <p>3.5 MHz</p> <p>W8AKS 8,142 KS0AA 4,272</p> <p>LOW POWER ALL BAND</p> <p>*N2QT/4 2,753,184 *KC0BMF 880,270 *AB4SF 855,868 *WB40MM 790,656 *NR2C 686,562</p> <p>28 MHz</p> <p>*W6HG/4 30,800</p> <p>21 MHz</p> <p>*W7PP 174,423 *K5ND 158,895 *W6TK 96,316</p> <p>14 MHz</p> <p>*AB1J 115,368 *W4LC 111,232 *N7NTQ 728</p> <p>7 MHz</p> <p>*W3FIZ 108,486 *AB9YC 50,562</p> <p>3.5 MHz</p> <p>*NA5NN 16,344 *K6VHF 5,280 *K7FLI 35</p> <p>QRP ASSISTED ALL BAND</p> <p>N6MA/7 296,010 K9YC/6 52,560 WA8HSB/4 8,160 W4JHC/5 210</p> <p>MULTI-OPERATOR SINGLE-TRANSMITTER HIGH POWER</p> <p>W2FU 7,484,362 K1SFA 6,572,316 K4FJ 4,098,366 W0LSD 3,587,976 W1DX 3,306,798</p> <p>MULTI-OPERATOR SINGLE-TRANSMITTER LOW POWER</p> <p>*WJ4N 1,274,639 *AD5OW 487,275 *N3WZR 405,790 *W0GX 78,960 *WN1G/4 75,750</p> <p>MULTI-OPERATOR TWO-TRANSMITTER</p> <p>W1UE 9,616,408 K1IG 8,396,272 K9CT 8,357,888 WV4LL 6,011,760 N7BV 2,397,120</p> <p>MULTI-OPERATOR MULTI-TRANSMITTER</p> <p>NR4M 9,856,890 N0NI 6,730,932 NK7U 6,211,492 KA4RRU 5,398,770 N2PA 2,268,000</p> <p>EUROPE SINGLE OPERATOR HIGH POWER ALL BAND</p> <p>LB8BI 4,923,285 SN7Q 4,582,795 UN7J 3,912,740 EM0I 3,482,900 DL1IAO 3,180,060</p> <p>28 MHz</p> <p>DL3BQA 205,900 F1AKK 178,996 E7TT 128,225</p> <p>21 MHz</p> <p>LY8O 826,166 GM3W 665,100 DL4MCF 631,722</p>	<p>14 MHz</p> <p>OH0V 940,866 YL2CI 516,132 IK4GNI 426,351</p> <p>7 MHz</p> <p>SO4M 627,216 IZ0KBR 409,836 IN3QBR 364,343</p> <p>3.5 MHz</p> <p>OL9A 189,072 IZ5NRF 64,944 HA3HZ 49,538</p> <p>LOW POWER ALL BAND</p> <p>*LY6A 2,459,972 *S50XX 2,437,120 *MJ5Z 2,077,146 *EO3Q 1,492,920 *R7MM 1,387,386</p> <p>28 MHz</p> <p>*EA1DR 378,898 *YT2U 78,812 *LZ2JA 67,089</p> <p>21 MHz</p> <p>*EE7Y 498,617 *IT9RGY 387,625 *EA3GLB 383,368</p> <p>14 MHz</p> <p>*RZ1ZZ 369,684 *HG0R 287,874 *SP4JQC 285,948</p> <p>7 MHz</p> <p>*HA8BE 158,880 *EW8DZ 120,432 *YO4RDW 103,880</p> <p>3.5 MHz</p> <p>*HA1WD 56,181 *IC8TEM 45,227 *OK2SAR 44,605</p> <p>QRP ALL BAND</p> <p>F5VBT 606,195 OK7CM 571,482 UA7G 322,245 OM6RK 321,804 IK1RKU 296,192</p> <p>28 MHz</p> <p>RV6LX 18,525 IK7XNF 13,268 SQ5TB 2,490</p> <p>21 MHz</p> <p>IZ2JPN 71,940 SP4LVK 65,312 F4EEI 5,474</p> <p>14 MHz</p> <p>SP6QKP 64,974 IK4UXA 48,685 ES1LS 42,354</p> <p>7 MHz</p> <p>40/HG3IPA 74,052 UX5UU 63,744 HG6C 58,136</p> <p>3.5 MHz</p> <p>UT3N 23,274 OK1WCF 16,320 G4IRN 1,533</p> <p>ASSISTED HIGH POWER ALL BAND</p> <p>UW1M 5,875,792 UA5C 5,246,100 LZ8E 3,894,030 LN5O 3,620,180 OM5ZW 3,319,008</p> <p>28 MHz</p> <p>TK5MH 336,000 SQ8JLU 276,179 DR2W 201,708</p> <p>21 MHz</p> <p>9A5Y 910,845 DF9ZP 726,869 SP8CUR 719,475</p> <p>14 MHz</p> <p>F4DXW 1,118,685 DR1D 840,000 IT9ZMX 731,721</p> <p>7 MHz</p> <p>OH6R 331,390</p>	<p>9A5M 301,350 G3P 272,072</p> <p>3.5 MHz</p> <p>9A5BWW 141,588 SP8K 97,020 DL2SAX 96,252</p> <p>LOW POWER ALL BAND</p> <p>*DF2SD 1,134,420 *UT8EL 1,132,785 *UT2IO 993,461 *F4FDA 863,135 *YL5X 862,920</p> <p>28 MHz</p> <p>*I0UZF 226,455 *CR5D 207,966 *EA3EZX 93,225</p> <p>21 MHz</p> <p>*SQ9ORQ 272,214 *OH7MN 223,080 *R5ACQ 146,560</p> <p>14 MHz</p> <p>*HG5D 464,326 *LZ9R 433,192 *UR0HQ 342,286</p> <p>7 MHz</p> <p>*YT2B 178,176 *SV5DKL 144,304 *S56A 84,672</p> <p>3.5 MHz</p> <p>*SP50XJ 58,888 *YU1XX 30,464 *IT9RZU 21,900</p> <p>QRP ASSISTED ALL BAND</p> <p>OK3C 713,205 IK3SSJ 433,350 PE2K 308,898 YU1LM 117,344 IZ5PNL 58,374</p> <p>28 MHz</p> <p>Y08DDP 12,100 UT2AB 6,288 F5HRH 4,644</p> <p>21 MHz</p> <p>IZ3NVR 63,392 M0DDT 19,637</p> <p>14 MHz</p> <p>DK2AB 28,768 9A6K 4,700</p> <p>7 MHz</p> <p>DJ2RG 61,698 EA2CRX 42,330</p> <p>3.5 MHz</p> <p>M0VAA 19,437</p> <p>MULTI-OPERATOR SINGLE-TRANSMITTER HIGH POWER</p> <p>I4DZ 7,592,534 UZ2M 6,807,906 YR1A 5,748,429 3Z2X 5,291,886 SJ2W 5,199,790</p> <p>MULTI-OPERATOR SINGLE-TRANSMITTER LOW POWER</p> <p>*S50W 2,978,976 *DD1A 2,918,592 *CS5CRE 2,349,189 *OH5EHC 1,910,216 *UX4E 1,140,912</p> <p>MULTI-OPERATOR TWO-TRANSMITTER</p> <p>ED1R 9,242,354 LX7I 8,857,935 I01RY 7,540,729 LZ5R 6,941,538 DQ4W 6,511,834</p> <p>MULTI-OPERATOR MULTI-TRANSMITTER</p> <p>ES9C 16,321,906 9A1A 14,391,440 I09UI 10,960,464 HA30S 10,296,513 OH2K 3,907,956</p>
--	---	---	--	--	---

*Low Power

Jacek, SP5OXJ, set a new Europe record with 59K. North America and Asia records were also set by Glenn, NA5NN (K2FF), and Khalid, A61BK, with 16K and 7K, respectively.

Single-Op Assisted 40 Meters Low Power (12). Bozidar, YT2B, won with 178K, and third-place Pat, W3FIZ, set a new North America record with 108K. Eighth-place Toshi, JE2UFF, set a new Asia record with 41K, and Arifin, YB8JOY, set a new Oceania record with 34K.

Single-Op Assisted 20 Meters Low Power (29). Lali, HG5D (HA8QZ), set a new World record to win with 464K, and third place Hiro, WH0RU (JG7PSJ), set a new Oceania record with 423K. Fourth-place Barry, VE6BMX, set a new



How about using the west tower of the Castle in Ptuj, the oldest town in Slovenia, to support your Yagi? Radioklub Ptuj S50W does just that and will celebrate its 60th anniversary this year.

2013 WW RTTY DX CONTEST CLUB SCORES

UNITED STATES

Club	#Entrants	Score
POTOMAC VALLEY RADIO CLUB	39	37,579,876
YANKEE CLIPPER CONTEST CLUB	28	34,168,438
SOCIETY OF MIDWEST CONTESTERS	32	17,907,492
MINNESOTA WIRELESS ASSN	50	17,750,737
NORTHERN CALIFORNIA CONTEST CLUB	25	17,574,985
FRANKFORD RADIO CLUB	13	13,650,932
NORTH COAST CONTESTERS	7	12,092,954
CTRI CONTEST GROUP	4	11,789,942
WILLAMETTE VALLEY DX CLUB	18	10,825,172
DFW CONTEST GROUP	9	8,984,789
FLORIDA CONTEST GROUP	19	8,686,077
ARIZONA OUTLAWS CONTEST CLUB	22	7,701,971
WESTERN WASHINGTON DX CLUB	11	7,554,143
ALABAMA CONTEST GROUP	16	7,470,730
MOTHER LODE DX/CONTEST CLUB	9	7,360,679
TENNESSEE CONTEST GROUP	13	5,993,625
KANSAS CITY CONTEST CLUB	4	4,608,831
LOUISIANA CONTEST CLUB	5	3,796,160
GRAND MESA CONTESTERS OF COLORADO	7	3,169,684
ROCHESTER (NY) DX ASSN	7	2,848,557
BERGEN ARA	7	2,647,986
SOUTHERN CALIFORNIA CONTEST CLUB	9	2,613,500
ORLEANS COUNTY AMATEUR RADIO CLUB	7	2,457,545
CENTRAL TEXAS DX AND CONTEST CLUB	4	2,087,346
ORDER OF BOILED OWLS OF NEW YORK	9	2,040,979
MISSISSIPPI VALLEY DX/CONTEST CLUB	3	1,843,822
SPOKANE DX ASSOCIATION	4	1,809,019
CAROLINA SHINE	4	1,740,648
CAROLINA DX ASSOCIATION	7	1,618,761
SOUTH EAST CONTEST CLUB	7	1,460,986
BRISTOL (TNVA) ARC	5	929,276
HUDSON VALLEY CONTESTERS AND DXERS	3	717,907
ALLEGHENY VALLEY RADIO ASSOCIATION	3	657,330
NIAGARA FRONTIER RADIOSPORT	5	434,295
METRO DX CLUB	4	428,315
KANSAS CITY DX CLUB	3	224,539
MAD RIVER RADIO CLUB	3	184,206
599 DX ASSOCIATION	4	125,910

DX

BAVARIAN CONTEST CLUB	104	68,054,216
RHEIN RUHR DX ASSOCIATION	58	61,399,740
UKRAINIAN CONTEST CLUB	31	35,186,845
CONTEST GROUP DU QUEBEC	11	17,359,908
CROATIAN CONTEST CLUB	16	17,171,626
CONTEST CLUB ONTARIO	32	16,779,771
BLACK SEA CONTEST CLUB	26	15,158,333
CONTEST CLUB FINLAND	15	14,407,393
ORCA DX AND CONTEST CLUB	7	11,885,729
ARAUCARIA DX GROUP	14	10,967,933
SOUTH URAL CONTEST CLUB	5	9,665,486
RADIO CLUB HENARES	4	9,510,742
LU CONTEST GROUP	18	9,367,640
SP DX CLUB	22	9,306,848
LA CONTEST CLUB	4	8,921,430
HA-DX-CLUB	6	6,075,536
WORLD WIDE YOUNG CONTESTERS	9	6,074,153
LATVIAN CONTEST CLUB	11	5,446,920
KAUNAS UNIVERSITY OF TECHNOLOGY RADIO CLUB	5	4,914,242
DL-DX RTTY CONTEST GROUP	7	4,647,787
599 CONTEST CLUB	7	4,355,662
CLIPPERTON DX CLUB	3	4,169,291
SAUDI CONTEST GROUP	5	4,161,799
SLOVENIA CONTEST CLUB	11	4,054,113
MARITIME CONTEST CLUB	7	3,956,022
RTTY CONTESTERS OF JAPAN	13	3,685,067
BELARUS CONTEST CLUB	9	3,547,574
RUSSIAN CONTEST CLUB	12	2,871,087
KRIVBASS	6	2,743,405
YO DX CLUB	7	2,505,642
GRIMSBY AMATEUR RADIO SOCIETY	5	2,408,228
URAL CONTEST GROUP	6	2,199,931
ARCK	4	2,179,847
CSTA BUCURESTI	3	1,985,240
ALRS ST PETERSBURG	4	1,866,378
YB LAND DX CLUB	9	1,835,605
CONTEST CLUB SERBIA	12	1,637,530
DANISH DX GROUP	5	1,521,523
VK CONTEST CLUB	4	1,453,968
CHILTERN DX CLUB	5	1,363,347
DONBASS CONTEST CLUB	7	1,211,513
VYTAUTAS MAGNUS UNIVERSITY RADIO CLUB	5	1,206,917
RUSSIAN CW CLUB	3	1,188,686
ARIPA DX TEAM	4	1,142,558
LITHUANIAN CONTEST GROUP	3	918,487
MEDITERRANEO DX CLUB	4	904,059
CE CONTEST GROUP	4	652,613
UNIVERSITY OF TOKYO CONTEST CLUB	3	650,316
PERUGIA CONTEST CLUB	5	549,641
GUARA DX GROUP	4	531,039
RU-QRP CLUB	4	509,888
ARI CASTELLI ROMANI	3	382,283
RIO DX GROUP	3	243,896
CHILEAN PACIFIC DX GROUP	5	193,401
SK6AW HISINGENS RADIOKLUBB	3	138,863

2013 WW RTTY DX CONTEST BAND-BY-BAND BREAKDOWN—TOP ALL BAND SCORES

Number groups indicate: QSOs, Countries, Zones, US/VE on each band

WORLD TOP SINGLE OP ALL BAND

Station	80	40	20	15	10
LB8IB	330/48/11/19	791/71/20/48	802/72/25/53	971/76/29/54	196/54/26/39
K1FWE	199/36/12/41	480/61/20/39	997/82/28/45	1155/80/25/38	333/59/19/14
SN7Q	244/40/11/20	622/63/22/48	776/74/29/53	799/73/29/48	420/58/26/41
AB5K	177/11/7/43	633/54/22/50	1025/67/25/54	1372/74/25/45	292/48/17/19
W7RN	237/11/9/44	578/51/23/51	794/63/24/51	1233/76/26/52	406/41/19/37

USA TOP SINGLE OP ALL BAND

Station	80	40	20	15	10
K1FWE	199/36/12/41	480/61/20/39	997/82/28/45	1155/80/25/38	333/59/19/14
AB5K	177/11/7/43	633/54/22/50	1025/67/25/54	1372/74/25/45	292/48/17/19
W7RN	237/11/9/44	578/51/23/51	794/63/24/51	1233/76/26/52	406/41/19/37
AC0C	257/21/10/45	406/55/18/48	593/71/22/46	921/72/24/33	266/52/17/5
K5ZD/1	116/31/11/33	281/47/17/38	400/63/25/26	647/72/22/32	294/56/19/14

WORLD TOP SINGLE OPERATOR ASSISTED ALL BAND

Station	80	40	20	15	10
RG9A	271/44/7/0	721/82/25/20	833/92/32/54	897/94/29/42	714/73/24/4
UW1M	172/44/10/5	706/74/22/46	1202/93/35/54	1325/86/30/54	317/67/27/29
AA3B	298/39/13/44	754/69/23/50	941/94/30/44	1006/88/27/32	518/70/24/19
VA2UP	325/44/13/44	773/64/21/51	1033/80/26/47	1051/79/26/42	309/53/17/10
UA5C	173/45/10/5	649/80/23/45	888/91/33/51	1128/83/28/52	377/64/28/32

USA TOP SINGLE OPERATOR ASSISTED ALL BAND

Station	80	40	20	15	10
AA3B	298/39/13/44	754/69/23/50	941/94/30/44	1006/88/27/32	518/70/24/19
N1QD	117/29/11/34	398/60/18/41	744/83/28/41	703/84/26/34	335/58/18/18
K6LL/7	75/6/5/36	385/57/18/43	472/72/26/53	1166/81/27/54	159/42/20/30
W4PK	114/24/10/27	299/51/15/37	548/69/23/32	782/80/25/25	325/62/20/14
*N2QT/4	149/11/10/41	400/57/17/45	659/80/28/38	587/72/25/27	301/59/20/14

WORLD MULTI-OP SINGLE TRANSMITTER HIGH POWER

Station	80	40	20	15	10
I4DZ	233/51/13/27	682/86/27/54	1041/106/34/57	1266/98/32/57	480/79/33/48
W2FU	323/50/17/48	776/88/29/51	1116/103/34/51	1036/106/30/51	388/90/31/44
EF8U	81/40/11/21	675/64/18/50	614/85/31/51	1100/89/27/53	1150/81/27/48
UZ2M	163/49/13/16	756/88/26/50	1054/99/32/55	1367/101/33/54	431/85/33/27
K1SFA	287/50/16/48	677/85/29/50	900/102/33/54	1044/106/32/52	374/84/31/37

USA MULTI-OP SINGLE TRANSMITTER HIGH POWER

Station	80	40	20	15	10
W2FU	323/50/17/48	776/88/29/51	1116/103/34/51	1036/106/30/51	388/90/31/44
K1SFA	287/50/16/48	677/85/29/50	900/102/33/54	1044/106/32/52	374/84/31/37
K4FJ	176/27/12/44	412/68/21/41	590/91/30/42	810/91/29/26	570/79/27/29
W0LSD	126/11/10/42	612/76/27/49	741/82/29/51	883/85/27/49	133/63/24/23
W1DX	69/35/12/30	482/71/21/41	408/86/32/39	1069/89/29/35	133/68/26/13

WORLD MULTI-OP SINGLE TRANSMITTER LOW POWER

Station	80	40	20	15	10
*VP9I	134/29/11/38	616/63/23/50	583/80/29/50	606/79/28/41	187/56/21/21
*S50W	215/45/10/10	551/75/24/45	483/90/32/48	425/84/29/50	230/64/30/36
*DD1A	216/47/12/13	516/73/21/49	523/83/31/48	514/82/29/51	119/54/27/28
*CS5CRE	21/21/5/2	443/54/14/38	618/70/23/49	705/72/25/48	236/43/18/19
*OH5EHC	137/39/9/1	264/56/16/14	424/85/29/46	472/76/27/40	176/55/25/21

USA MULTI-OP SINGLE TRANSMITTER LOW POWER

Station	80	40	20	15	10
*WJ4N	35/8/6/29	436/48/22/46	166/59/19/33	503/55/18/37	199/49/21/13
*AD50W	73/3/4/31	202/34/17/40	152/41/15/34	221/55/21/20	59/28/16/6
*N3WZR	89/6/6/34	233/45/18/39	80/33/14/20	142/48/19/12	55/29/11/7
*WQ6X	26/4/5/14	24/5/6/13	83/19/13/30	90/30/18/22	31/11/9/11
*WN1G/4	15/1/3/13	28/5/6/17	46/15/12/18	80/41/21/13	36/18/13/6

WORLD MULTI-OP TWO TRANSMITTER

Station	80	40	20	15	10
CR3A	300/45/14/36	882/80/25/49	1346/85/31/57	1806/91/29/56	1096/84/28/50
P49X	228/27/13/45	1023/72/24/53	1013/78/30/57	1921/93/32/57	1220/75/30/56
W1UE	454/54/15/50	956/88/28/52	1308/105/34/53	1461/108/31/52	619/86/28/34
ED1R	340/50/14/31	1043/77/24/54	1339/98/31/54	1401/97/32/52	823/83/31/53
LX7I	508/51/12/27	1052/80/24/53	1343/101/34/56	1246/90/31/54	623/77/29/46

USA MULTI-OP TWO TRANSMITTER

Station	80	40	20	15	10
W1UE	454/54/15/50	956/88/28/52	1308/105/34/53	1461/108/31/52	619/86/28/34
K1IG	399/51/14/48	926/87/28/50	1160/97/33/51	1383/97/32/43	564/82/29/30
K9CT	379/36/15/48	1041/81/29/50	1215/96/30/55	1475/97/31/49	633/74/27/24
WW4LL	172/27/12/41	672/72/24/47	899/79/26/50	1229/93/30/47	690/75/26/28
N7BV	68/6/7/29	281/34/20/39	658/71/26/49	898/80/30/44	279/36/18/39

WORLD MULTI-OP MULTI-TRANSMITTER

Station	80	40	20	15	10
ES9C	744/56/14/16	1775/102/31/54	2471/113/36/56	2100/109/33/57	891/85/31/46
HK1NA	367/46/15/42	1200/73/24/53	1702/92/32/54	1946/99/31/55	1515/83/28/53
9A1A	741/53/13/25	1550/90/29/51	1916/108/36/57	1782/99/33/57	1066/89/34/55
CR3L	303/51/14/32	777/67/21/49	1510/87/30/54	1284/88/30/52	1336/89/33/53
IQ9UI	656/56/14/28	1237/83/23/50	1859/101/32/54	1549/88/31/56	790/82/32/48

USA MULTI-OP MULTI-TRANSMITTER

Station	80	40	20	15	10
NR4M	577/51/17/49	1155/78/27/54	1367/98/33/51	1457/95/30/40	941/81/26/44
N0NI	425/33/15/53	909/67/26/49	1127/84/28/51	1399/85/29/41	550/66/24/25
NK7U	309/13/12/48	779/66/25/53	1181/83/27/56	1495/98/30/47	512/58/23/40
KA4RRU	348/30/13/49	551/60/20/49	1045/89/30/48	1156/86/28/32	570/69/26/25
N2PA	168/21/10/40	454/51/15/48	642/67/24/43	546/62/22/30	223/43/15/9

North America record with 207K, while Enkhbayar, JT1DA, and Francisco, 4M5L (YV5LI), set new Asia and South America records with 86K and 45K.

Single-Op Assisted 15 Meters Low Power (42). Marcelo, LU7HF, set a new South America record for first place with 330K and Dimitry, 4Z5CP, set a new Asia record for second place with 329K, a very close race! Third-place Przemek, SQ9ORQ, won Europe with 272K and Dick, W7PP, won North America with 174K.

Single-Op Assisted 10 Meters Low Power (30). Jorge, LW5DW, set a new South America record with 348K and fifth place Hariy, YB0MWM, set a new Oceania record with 184K.

Single-Op Assisted QRP (30 logs submitted)

Single-Op Assisted All Band QRP (18). Ludek, OK3C (OK2ZC), set the new World record with a nice score of 713K. Fourth-place Paul, N6MA, set a new North America record with 296K. Jose, EA9CD, and Kazu, JK1TCV, set new Africa and Asia records with 60K and 47K, while David, VK5DG, and Eger, PY2EX, set Oceania and South America records with 14K and 10K.

Single-Op Assisted 80 Meters QRP (1). This category had its first, and only, all-time entry by Gerry, M0VAA, with 19K.

Single-Op Assisted 40 Meters QRP (10). Klaus, DJ2RG, pushed up the World record to 62K.

Single-Op Assisted 20 Meters QRP (3). Mia, OX5M, lifted the World record to 82K and Jens, DK2AB, set a new Europe record with 29K.

Single-Op Assisted 15 Meters QRP (3). Stefano, IZ3NVR, won with a new World record of 63K and Don, VE3XD, set a new North America record of 41K.

Single-Op Assisted 10 Meters QRP (3). Arsene, YO8DDP, won with 12K.

Multi-Operator (152 logs submitted)

Multi-Single High Power (67). The I4DZ (I4DZ, I4EWH, I4FYF, I4IFL, IK3QAR, IK3STG, IK4DCW, IK4HVR, IK4MGP, IK4WMH, IR4M, IW4EGX, IZ4GWE) team won and set a new Europe record with 7.6M while second place W2FU (K0SM, N2ZN, NW2K, W2FU, W6TR, WB2ABD) set a new North America record with 7.5M. EF8U (EA8RY, EA8NL, EA8ZS, EA8CNR, EA8DP, EA8AGF, EA8RT, EA8CQN,

EUROPE TOP SINGLE OP ALL BAND

Station	80	40	20	15	10
LB8IB	330/48/11/19	791/71/20/48	802/72/25/53	971/76/29/54	196/54/26/39
SN7Q	244/40/11/20	622/63/22/48	776/74/29/53	799/73/29/48	420/58/26/41
UU7J	211/46/11/13	693/63/18/42	992/90/30/51	896/73/23/51	182/48/21/16
EM0I	258/47/9/7	697/76/22/44	585/74/28/43	1011/82/30/52	102/37/23/6
DL1IAO	265/42/10/22	514/55/16/41	478/63/26/46	687/67/23/55	293/56/26/37

EUROPE TOP SINGLE OPERATOR ASSISTED ALL BAND

UW1M	172/44/10/5	706/74/22/46	1202/93/35/54	1325/86/30/54	317/67/27/29
UA5C	173/45/10/5	649/80/23/45	888/91/33/51	1128/83/28/52	377/64/28/32
LZ8E	157/40/10/14	569/66/18/44	764/81/27/48	799/80/25/52	288/68/27/30
LN5O	194/44/11/8	641/80/23/47	968/97/34/53	537/73/24/51	94/36/18/21
OM5ZW	117/39/9/12	473/67/21/43	458/80/31/44	868/79/27/53	215/59/25/27

EUROPE MULTI-OP SINGLE TRANSMITTER HIGH POWER

I4DZ	233/51/13/27	682/86/27/54	1041/106/34/57	1266/98/32/57	480/79/33/48
UZ2M	163/49/13/16	756/88/26/50	1054/99/32/55	1367/101/33/54	431/85/33/27
YR1A	171/43/9/7	766/73/20/46	980/95/32/50	1116/85/30/57	355/75/31/38
3Z2X	190/45/12/8	777/81/27/51	789/95/33/52	806/89/29/51	353/76/30/34
SJ2W	215/49/11/19	575/88/28/49	774/98/32/53	939/90/32/54	310/67/26/34

EUROPE MULTI-OP SINGLE TRANSMITTER LOW POWER

*S50W	215/45/10/10	551/75/24/45	483/90/32/48	425/84/29/50	230/64/30/36
*DD1A	216/47/12/13	516/73/21/49	523/83/31/48	514/82/29/51	119/54/27/28
*CS5CRE	21/21/5/2	443/54/14/38	681/70/23/49	705/72/25/48	236/43/18/19
*OH5EHC	137/39/9/1	264/56/16/14	424/85/29/46	472/76/27/40	176/55/25/21
*UX4E	61/22/5/0	409/62/19/26	359/58/21/18	321/54/23/35	128/38/24/12

EUROPE MULTI-OP TWO TRANSMITTER

ED1R	340/50/14/31	1043/77/24/54	1339/98/31/54	1401/97/32/52	823/83/31/53
LX7I	508/51/12/27	1052/80/24/53	1343/101/34/56	1246/90/31/54	623/77/29/46
IQ1RY	474/49/12/27	843/76/22/52	976/100/34/56	1090/91/30/56	613/80/32/46
LZ5R	457/53/13/21	929/79/23/50	923/90/31/54	1161/85/29/57	468/76/30/38
DQ4W	470/51/12/22	672/82/26/44	974/101/33/54	1065/94/32/56	373/72/28/39

EUROPE MULTI-OP MULTI-TRANSMITTER

ES9C	744/56/14/16	1775/102/31/54	2471/113/36/56	2100/109/33/57	891/85/31/46
9A1A	741/53/13/25	1550/90/29/51	1916/108/36/57	1782/99/33/57	1066/89/34/55
IQ9UI	656/56/14/28	1237/83/23/50	1859/101/32/54	1549/88/31/56	790/82/32/48
HA30S	662/60/13/27	1265/91/27/51	1205/104/34/55	1362/97/32/57	771/80/28/51
OH2K	65/24/4/0	808/67/22/39	1026/71/28/49	740/66/26/51	312/57/24/36

EA8AHM, EA8BEX, EA8CYQ, EA8BQM, EA8AXB, EA8RM) won Africa with 7.1M and KH7M set a new Oceania record with 4.1M.

Multi-Single Low Power (37). The VP9I team (ND8L, WW3S, K3GP) won with 3.2M, edging out S50W (S51MA, S51DI, S51NM, S51I, S52OP, S52GC, S57XZ) with 3.0M. Sandi, S52OP, built a low power "quadplexer" to use with their single 4-band Yagi. Eighty meters is covered with a wire dipole. DD1A (HB9BJL, DL3GA, DO5FM, DO1GAR, DL1II) was a close third with 2.9M, staffed with a number of younger contesters whose licenses restrict them to 100 watts. ZW8T (PS8BR, PS8HF) won South America with 731K and RX9SR won Asia with 442K. Club station IQ4RN took 8th with five (IZ4WBA, IK4PLK, IZ4WAS, IK4FMZ, IZ4AFJ) of their six members (leader IK4DCX) enjoying their first contest. This category is well-suited for developing new contesters in a team environment.

Multi-Two (27). The CR3A team (CT3BD, CT3DL, CT3DZ, CT3EE, CT3EN, CT3KY) won with 11.6M while P49X (W6OTC and W0YK) took second with 11.1M. Third-place W1UE (W1UE, W1UJ, K3JO, K5ZD) set a new North America record with 9.6M. ED1R (EA1AR, EC1KR, EA2CJ,

Work the World!

Bridge the digital gap
between your Rig and PC

Operate using popular HAM radio programs



RIGblaster Advantage

Easy "Plug and Play" with single USB connection
High-quality, Built-in soundcard, isolated from PC
Includes DVD with over 100 FREE software programs
Multi-platform works with Windows, Linux and Mac

www.westmountainradio.com/CQ414

FREE Shipping on all orders over \$100





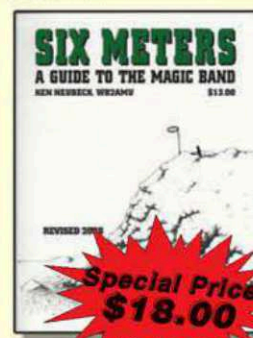


sales@westmountainradio.com 262-522-6503 ext. 35

20th ANNIVERSARY SPECIAL Six Meters, A Guide To The Magic Band

by Ken Neubeck WB2AMU

The fourth edition of the ultimate book on Six Meters is still available! The original edition was published by Worldradio, Inc. in 1994. The 2008 fourth edition is the most complete version with information on propagation, equipment and antennas for the Magic Band.



Special 20th anniversary price of \$18.00 includes shipping and handling and personalization by the author.

Please indicate callsign and name for personalization when ordering.

Please make check or money order to:

Ken Neubeck
1 Valley Road
Patchogue, NY 11772

EA2CYJ, EA4TD, EA4AOC, EC4DX, DK7AH) won Europe for fourth place with 9.2M.

Multi-Multi (21). The two top teams both broke the World record: ES9C (ES2ADF, ES2ADO, ES2MA, ES2MC, ES4RD, ES5GP, ES5HTA, ES5JR, ES5QA, ES5RY, ES5TF, ES5TV, OH2BP, YL1ZF, YL2GQT, YL2KF, YL3AD, YL3DW) with 16.3M and HK1NA (HK1R, HK1T, HK1N, LU8EOT, HK6NVV, HK6F) with 15.2M for a new South America record. Third-place 9A1A (9A2DQ, 9A5DDT, 9A5E, 9A5W, 9A6A, 9A6TKS, 9A7C, 9A7R, 9A9A) also broke the prior European record, held by themselves from last year with 14.4M.

Clubs

Europe. Amongst the familiar top two clubs, the Bavarian Contest Club (BCC) prevailed with 104 logs and 68M over the Rhein Ruhr DX Association (RRDXA) with 58 logs and 61M. Third-place Ukrainian Contest Club (UCC) made 35M with its 31 logs.

United States. The Potomac Valley Radio Club (PVRC) pooled 39 logs for third in the world to win the US with 38M over Yankee Clipper Contest Club (YCCC) with 28 logs and 34M. The next three US clubs were very close to the fourth and fifth place DX clubs, all at 17-18M.

Plaques

At the time of publication we were still receiving confirmations of plaque sponsorships and winners. The current list is at <http://www.cqwwrtty.com/plaques.htm> and is updated as each sponsor commits to a plaque. Thank you to everyone who sponsors a plaque! A plaque can be sponsored for just about any category at the world or regional or country level. Take a look and think about a plaque you would like to

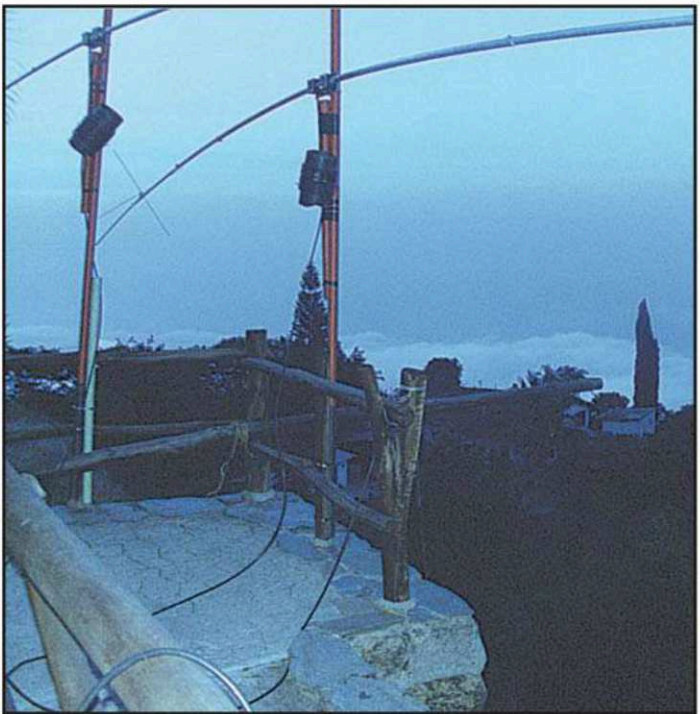
sponsor. You can have your pick of any one that is not already committed as a sponsor.

Logs

Log statistics were almost identical to 2011 and 2012. There were enough logs such that 86.7% of all QSOs were cross-checked and 97% of those QSOs were deemed good. 0.9% of all QSOs had busted (incorrect) callsigns and 0.5% of the QSOs had busted exchanges, either Zone or QTH. Another 1.6% were not found in the other station's log. Individual Log Check Reports (LCRs) are available upon request to w0yk@cqwwrtty.com where you can see how your log stacks up.

Website

The contest website www.cqwwrtty.com is a valuable resource for all aspects of the contest: rules (including language translations), log format, log submittal, historical statistics and results database (searchable for any entry, and

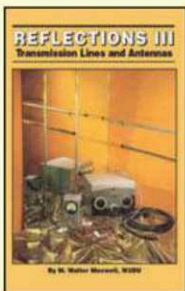


Ymanol, YW2LV (YV5YMA), winning SO QRP with simple dipole antennas 1700 feet above the Caribbean Sea.

REFLECTIONS III

by Walter Maxwell, W2DU

Here's a sampling of what you'll find inside this fully revised and updated third edition!



- ◆ Too Low an SWR Can Kill You
- ◆ The View into the Conjugate Mirror
- ◆ Standing-Wave Development and Line Impedance
- ◆ Using the Smith Chart
- ◆ The Line Match Problem
- ◆ Computer Programs for Impedance Matching
- ◆ The Quadrifilar Helix Antenna
- ◆ Antennas in Space from an Historical and Archival Perspective . . . and more!

This 424-page edition is a must-have!

Order today for only \$39.95

Shipping & Handling: USA - \$7 for 1st book, \$3.50 for 2nd, \$2 for each add'l
CN/MX- \$15 for 1st, \$7 for 2nd, \$3.50 for each add'l.
All Other Countries- \$25 for 1st, \$10 for 2nd, \$5 for each add'l.



CQ Communications, Inc.
25 Newbridge Rd., Hicksville, NY 11801
<http://store.cq-amateur-radio.com>
Order Toll-Free 800-853-9797



geographical breakdown and all-time records).

Thanks

Thanks to all participants who, together, make this a fun weekend for everyone. Thanks also to the team of volunteers behind the scene who make it all possible:

- Gail, K2RED, Managing Editor of CQ, for all she does for the contests.
- Rules translators: Boyan, LZ2BE; Vasek, OK1VRF; Herman, ON4QX; Tapani, OH2LU; Fabi, VA2UP; Kostas,

SV1DPI; Kazu; JK3GAD/M0CFW; Marcos, PY2WS; Vlad, VE3IAE; Diana, XE2DN; and Hector, XE2K.

- Ken, K1EA, provides the log-check software and consulting during log check.
- Mark, K6UFO, laboriously typed in paper logs.
- Ray, ND8L, manages the CQ RTTY contest plaque program. (And a big thanks to Mike, K4GMH, who managed the plaque program for the past decade. It's a huge job and Mike well-deserves a break!)

• Barry, W5GN, manages the certificate printing and mailing.

• Randy, K5ZD, for his continual support on a wide range of issues.

For expanded results of the contest, including QRM, operators of multi stations, expanded tables, plaque information, and more, go to <www.cq-amateur-radio.com> and <www.cqwwrtty.com>. I look forward to seeing everyone again in the 28th annual CQ WW RTTY DX Contest on 27-28 September 2014. *73, Ed, W0YK*



Abdullah, HZ1BW, set a new Asia record to win 10 Meters QRP.



"BLAST OFF!"

REACH ORBIT WITH M² SATELLITE ANTENNAS



WORLD CLASS PRODUCTS

BE PART OF THE
EXCITEMENT IN
2014!

M² offers a complete line of top quality amateur, commercial and military grade antennas, positioners and accessories.

We produce the finest off-the-shelf and custom radio frequency products available anywhere.

For high frequency, VHF, UHF and microwave, we are your source for high performance RF needs.

M² also offers a diverse range of heavy duty, high accuracy antenna positioning systems.

Whether your communication requirements are across town, around the world or beyond, M² has World Class Products to suit your application.



M² products are proudly 'Made in the USA'

4402 N. Selland Ave.
Fresno, CA 93722
Phone (559) 432-8873
<http://www.m2inc.com>
sales@m2inc.com

**Prices subject to change without notice.*

ANTENNAS POSITIONERS ACCESSORIES