

Results of the 2009 CQ WPX RTTY Contest

BY ED MUNS,* WØYK

Celebrating the 15th anniversary of the CQ WPX RTTY Contest, a record number of “diddlers” turned out to once again break participation and performance records. Submitted logs rose another 11% to break 2000 for the first time and set a new record high of entrants for this contest. This is only 46 logs behind the 2008 CQ WW RTTY DX Contest, which set an all-time high for any RTTY contest.

The real heroes of this and many contests are the thousands of casual and not-so-serious participants who get on the air and hand out contacts to fill the logs of the more visible call-signs documented in this article. While the vast majority of the operators submitting logs fall into this army of visible RTTY enthusiasts, there were seven times more participants who got into our logs but didn't submit their own logs (please do so in the future!). 15,950 different call-signs were logged, up 17% from 2008.

Despite this impressive growth in participation, total QSOs only increased 7.5% over 2008 to 825K. Given the lack of sunspots, this is actually an impressive statistic. Moreover, at this prolonged solar activity minimum, seven of the ten world records were broken! Another factor contributing to this is the double-point value for contacts on 40 and 80 meters. This effectively made WPX RTTY a low-band contest, especially for single ops. The savvy operators spent most of their 30 hours both nights on 40 and 80. When 15 and 10 meters come back strong and the high-band rates return, the low-band bias should balance out.

Multi-Operator

Multi-Operator, Multi-Transmitter (MM). The HG1S team of HA1TJ, HA1DAC, HA1DAI, and HA1DAE broke the world record by a slim margin of 70K points over the 10.4M bar set by OM8A in 2007. This, of course, is also the new European record. But wait! Yet another MM team—RD3AF, RZ3AZ, EA8AH, and EA8CAC—piloted EF8M in the African region to bury this brief world record by 143% with an unbelievable 25M points. How is that for maximizing low-band potential in WPX RTTY? Just two years ago, the 10M point barrier was broken for the first time ever (in any category) and now 25M is the new target. The LZ9W team was a close third at nearly 10M points. In the USA, the KA4RRU crew managed 3.8M for seventh worldwide.

Multi-Operator Two-Transmitter (M2). W1AN, K3IU, AJ1M, N1HRA, WP4U, and WP4N activated NP3U again this year to win the category with 9.9M, although short of the nice 14M NA record they set in 2008. Not far behind was the Z37M team (Z31MM, Z32ID, Z35T, Z35X, Z36N, Z36W) with 9.2M and a new European record. They were followed by DQ4W at 7.2M. Apparently, top-flight operators in the Canary Islands are a real threat to records, because the World M2 record still stands at 17M as set by the EA8AH team in 2008. In the



Abdulla, A71CV, operating SOLP from A71BX for 1.2M points.

USA, N2WK was sixth worldwide with 4.9M, and JA6ZPR was seventh with 4.4M.

Multi-Operator Single-Transmitter (MS). 4O3A, 4O4A, Z30A, S51D, and YU1JW broke this world record by 7% at 4O3A for an 8.7M finish. S52X (S52X, S55Y, S57LR, S50XX) took second with 6.2M, and YTØA (YT1WW, YU1KT, YU1VLA, YT1TA, YT7AW, YT2WW, YU1EXY) came in third with 5.1M points. Multi-Single continues to be dominated by Europeans, with nine of the top ten slots captured by them. RK9CWA was able to grab ninth place with 3.6M.

Single-Operator

Single-Operator, Low Power (SOL). As with MM, this category had some fireworks at the top. Both P40R (N4RR) and D4C (YL2KL) submitted nearly identical claimed scores, separated by only 535 points out of 5.8M, or the equivalent of a fraction of a QSO! Log checking was on the line, with this becoming a battle of accuracy. Roger, P40R, prevailed with less than half as much score reduction as Girts, D4C. Roger's first taste of contesting on the other side was from this same location in Aruba last year. That motivated him to add a second radio and learn how to use the two of them effectively in RTTY contesting. It sure looks like it paid off, as both contesters shattered the prior world record by 35%. Mohammed, CN8KD, the de-throned record-holder, drove 5C5W to a third-place finish with 3.7M, a bit off his 2008 score.

Single-Operator, High Power (SOH). P49X (WØYK) broke his own world record for the second year running for a score of 11.2M. UA9CLB increased his Asia record to 6.2M, and UT5UDX operated G6PZ to 5.4M, spreading the top three places across three regions. The next three positions were captured by the familiar triad of RTTY contesters from the USA East Coast: K3MM, K4GMH, and AJ11 (W1UE).

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Tyler (K3MM) still holds his USA record of 6.8M set last year.

Single-Operator, Single Band 28 MHz. K4WI says he gave up touring around in his Corvette that weekend to hammer on 10 meters as NA4W for a whopping 627 points and the 28 MHz world plaque. Courtney gets the perseverance award for proving 10 meters really is dead. Low power was added to the single band categories this year, and ZV2C eked out 44 points to take "top spot" (and the new world record!) for 28 MHz Low Power.

Single-Operator, Single Band 21 MHz. CX4AAJ won High Power with 653K on this currently challenging band. The current world record is 2.2M set by LS1D (LW9EOC) last year. Low Power was won by UN3M with 333K and establishes the world record for this category.

Single-Operator, Single Band 14 MHz. CT3FQ broke the High Power world record with nearly 3M points. P40YL (AI6YL) took second with 2.3M points, shy of the prior world record held by 9A5W at 2.4M, and just narrowly edging out this prior record holder, who took third place. J88DR set the initial world record in Low Power with 1.5M points.

Single-Operator, Single Band 7 MHz. I4IKW broke the High Power world record set last year with 4.0M points. Very close behind Marco was F6DVX at 3.9M and 9A7R at 3.8M points. In Low Power, IQ3UD operated by IV3DSH set the world record at 1.9M points.

Single-Operator, Single Band 3.5 MHz. OK1DIG set a new High Power world record with 2.3M at OL6X. The Low Power world record was earned by IK1DFH, with 764K followed closely by YU2A with 738K.

Club Competition

Once again the Bavarian Contest Club took top honors with over 50M points from 68 logs, which was also the highest number of club participants. Second place went to the Ukrainian Contest Club with 32M points and 28 logs. Third place was captured by the Northern California Contest Club with 25M and 44 logs. The NCCC won the North America plaque, getting past rivals YCCC and PVRC. Club competition is a fun way for clubs to get more stations on the air and increase participation in the contest.

I2UIY Memorial Award

Last year we announced the creation of the I2UIY, Paolo Cortese, Memorial Plaque recognizing a RTTY contest

expedition. CQ magazine is sponsoring this award for both the CQ WPX RTTY and CQ DX RTTY contests each year. It is in memory of Paolo, who contributed so much to contesting, including a number of contest expeditions around the world. The purpose is to recognize people who support the contest by making an expedition. It is not entirely about score, but more about the con-

tribution made to bettering the contest. He has left a strong, devoted legacy to the world of contesting and amateur radio in general.

For this contest, the recipient is Sue Cook, AI6YL, who operated P40YL from a new contest station in Aruba. Sue and OM Carl, AI6V, sold their first Aruba contest station ten years ago. Paolo operated RTTY contests from

2009 CQ WPX RTTY CONTEST TROPHY SPONSORS AND WINNERS

Single Operator High Power

World: Sponsored by John (Bob) Orton, WA6BOB. **Winner:** P49X (Op: Ed Muns, W0YK)

Africa: Sponsored by Andrei Stchislenok, EW1AR/NP3D (in Memory of EU1MM). **Winner:** Barry Murrell, ZS2EZ

Asia: Sponsored by Tyler Stewart, K3MM. **Winner:** Vadim Ovsyannikov, UA9CLB

Europe: Sponsored by DL-DX RTTY Contest Group. **Winner:** G6PZ (Op: Sergiy Rebrov, UT5UDX)

N.A.: Jeff Demers, N1SNB. **Winner:** Tyler Stewart, K3MM

Canada: Fabi Bertolotto, VA2UP. **Winner:** Lee Sawkins, CG7CC

USA: Sponsored by Glenn Vinson, W6OTC. **Winner:** Mike Sims, K4GMH

Single Operator Low Power

World: Sponsored by Mike Sims, K4GMH. **Winner:** P40R (Op: Roger Hoffman, N4RR)

Asia: Sponsored by RCKLog Contest Logger by DL4RCK. **Winner:** Steve Hodgson, ZC4LI

Europe: Sponsored by Trey Garlough, N5KO. **Winner:** Oscar Luis Fernandez Lanza, EA1DR

N.A.: Sponsored by Wayne King, N2WK. **Winner:** HI3T (Op: Ted Jimenez, HI3TEJ)

Canada: Claude Duberger, VE2FK. **Winner:** Fabi Bertolotto, VA2UP

Japan: GOMAGARA Contest Club, JA6ZPR. **Winner:** Masaki Okano, JH4UYB

USA: Sponsored by Jim Reisert, AD1C. **Winner:** KS1Y (Op: Jose Castillo, N1BAA)

Single Operator Single Band

3.5 MHz World High Power: Sponsored by Fred Dennin, WW4LL. **Winner:** OL6X (Op: Daniel Glanc, OK1DIG)

7 MHz World High Power: Sponsored by NETPreSS by Simon Sintic, S51D. **Winner:** Marco Venturi, I4IKW

7 MHz World Low Power: Sponsored by Don Reed, K2OGD. **Winner:** IQ3UD (Op: Ari Udine, IV3DSH)

14 MHz World High Power: Sponsored by Steve "Sid" Caesar, NH7C. **Winner:** Jose Carlos Fernandes Neves, CT3FQ

14 MHz World Low Power: Sponsored by Kenny Young, AB4GG. **Winner:** David Cree, J88DR

21 MHz World High Power: Sponsored by R. L. "Tad" Williamson, WF4W. **Winner:** Luis Espinosa, CX4AAJ

21 MHz World Low Power: Sponsored by Doug Faunt, N6TQS. **Winner:** Nikolai Pogrebnyak, UN3M

28 MHz World High Power: Sponsored by Steve Hodgson, ZC4LI. **Winner:** NA4W (Op: Courtney Judd, K4WI)

Multi-Op Single Transmitter

World: Sponsored by Steve Merchant, K6AW. **Winner:** 4O3A (Ops: 4O3A, 4O4A, Z30A, S51D, YU1JW)

Asia: Sponsored by CT3 Madeira Contest Team/CQ9K/CT9M. **Winner:** RK9CWA

Europe: Sponsored by Toomas Soomets, ES5RY. **Winner:** S52X (Ops: S52X, S55Y, S57LR, S50XX)

Multi-Op Two Transmitter

World: Sponsored by HC8N RTTY Team. **Winner:** NP3U (Ops: W1AN, K3IU, AJ1M, N1HRA, WP4U, WP4N)

N.A.: Sponsored by Ed Muns, W0YK. **Winner:** N2WK (Ops: K2TJ, N2WK, N2ZN, WA2MOP, WA2TMC)

U.S.A.: Sponsored by CTRI Contest Group. **Winner:** WX5S/6 (Ops: N6CCH, K6OWL, ND2T, W6RK, W6LD, WX5S, N6DE)

Multi-Op Multi-Transmitter

World: Sponsored by Abroham Neal Software by K3NC. **Winner:** EF8M (Ops: RD3AF, RZ3AZ, EA8AH, EA8CAC)

N.A.: Sponsored by KA4RRU Contest Group. **Winner:** KA4RRU (Ops: KA4RRU, KI4VUQ, N4DXS, K3UI, NL7VX, WA4TK, KK4KM, KI4ZKJ, KG4URW, K5VG)

Club Competition

World: Sponsored by Potomac Valley Radio Club. **Winner:** Bavarian Contest Club (DL)

Europe: Sponsored by Doug Faunt, N6TQS. **Winner:** Ukrainian Contest Club

N.A.: Sponsored by Northern California Contest Club. **Winner:** Northern California Contest Club

Paolo Cortese, I2UIY, Memorial

Sponsored by CQ Magazine. **Winner:** Sue Cook, P40YL (Op: AI6YL)



David, F4DVX, broke the SOHP 40-meter world record at F6KNB, but was barely surpassed by Marco, I4IKW, who is the new record holder.

skills. Logs are checked so much more thoroughly than they were just a few years ago. A huge step forward was taken when K1EA, creator of CT, swung his focus to log-checking software a few years ago. Over 97% of all the QSOs in all the submitted logs were cross-checked. This is also a strong statistic about the great submittal rate of logs.

Obtaining and reviewing your log check report, LCR, is a great way to identify things you can improve on in the next contest (request from <w0yk@cqwpxrtty.com>). At the same time, don't feel bad about a non-zero error rate. Accuracy and speed should be balanced for effective communication. Also, because of the cooperative structure of radio sport, mistakes by people we work can create errors in our logs that count against us. For example, if I inadvertently erase a QSO from my log, the station I worked will lose credit for the QSO as well as receive a penalty of another QSO.

A few things stand out in this year's log checking. Paolo's mantra that he



Mark, N2QT, running SO2R as SOLP and having more fun as he takes second USA and 10th in the world.

lectured after every contest was "read your Cabrillo log before submitting." He wasn't telling us to doctor our logs after the contest, but rather to make sure the Cabrillo log we submitted didn't have obvious typos and formatting errors—errors such as having the sent and received exchanges reversed, or serial numbers missing, or missing the RST column, or showing a different callsign than the one actually used in the con-

test, or typing a letter O instead of the number 0, etc. These things really slow down the log checking and create a lot of work for the log checkers to manually go in and fix logs before the log-check software can run effectively.

A number of single-ops had significant apparent reductions because they operated well past the 30-hour limit. In most cases, this indicates they didn't know, or manage to adhere to, the time

CLUB COMPETITION UNITED STATES

Club	# Entrants	Score
NORTHERN CALIFORNIA CONTEST CLUB	44	25,163,908
YANKEE CLIPPER CONTEST CLUB	26	21,198,840
POTOMAC VALLEY RADIO CLUB	28	18,864,552
CTRI CONTEST GROUP	6	10,645,326
SOCIETY OF MIDWEST CONTESTERS	16	10,189,179
FLORIDA CONTEST GROUP	9	9,490,065
FRANKFORD RADIO CLUB	8	8,859,176
ALABAMA CONTEST GROUP	7	5,065,039
GRAND MESA CONTESTERS OF COLORADO	8	4,630,140
TENNESSEE CONTEST GROUP	18	4,023,468
WESTERN WASHINGTON DX CLUB	9	3,757,640
CENTRAL TEXAS DX AND CONTEST CLUB	4	2,061,119
BERGEN ARA	4	1,823,162
WILLAMETTE VALLEY DX CLUB	3	1,549,143
CAROLINA SHINE	5	1,417,719
SOUTHERN CALIFORNIA CONTEST CLUB	7	1,400,198
MAD RIVER RADIO CLUB	8	1,294,166
MINNESOTA WIRELESS ASSN	12	1,224,267
CENTRAL ARIZONA DX ASSOCIATION	6	1,097,672
TEXAS DX SOCIETY	3	853,835
KENTUCKY CONTEST GROUP	4	805,418
SOUTH EAST CONTEST CLUB	3	579,674
SKYVIEW RADIO SOCIETY	3	549,906
LOW COUNTRY CONTEST CLUB	4	403,702
SPOKANE DX ASSOCIATION	4	380,216
NORTH TEXAS CONTEST CLUB	3	237,748
UTAH DX ASSOCIATION	3	214,044

DX

BAVARIAN CONTEST CLUB	68	50,586,628
UKRAINIAN CONTEST CLUB	28	32,266,758
URAL CONTEST GROUP	7	18,176,738
RHEIN RUHR DX ASSOCIATION	47	17,177,540
LATVIAN CONTEST CLUB	11	13,492,117
HUNGARIAN DX CLUB	3	12,705,828
CROATIAN CONTEST CLUB	6	11,039,476
SLOVENIA CONTEST CLUB	5	10,439,556
YU CONTEST CLUB	6	10,062,435
BRITISH COLUMBIA DX CLUB	5	8,533,599
CONTEST CLUB FINLAND	5	8,154,690
CONTEST CLUB ONTARIO	18	7,078,592
BLACK SEA CONTEST CLUB	16	6,878,565
LITHUANIAN CONTEST GROUP	4	6,781,024
SOUTH URAL CONTEST CLUB	4	4,938,046
RUSSIAN CONTEST CLUB	7	4,774,952
CONTEST GROUP DU QUEBEC	7	4,481,314
DL-DX RTTY CONTEST GROUP	9	4,236,736
KAUNAS UNIVERSITY OF TECHNOLOGY RADIO CLUB	3	3,402,916
SP DX CLUB	14	3,082,595
LU CONTEST GROUP	8	2,950,836
KKKK CONTEST CLUB KRASNODARSKOGO KRAYA	5	2,750,545
CHILTERN DX CLUB	4	2,713,253
RADIO AMATEUR ASSOCIATION OF WESTERN GREECE	3	2,529,322
MOSCOW RADIO CLUB	4	2,473,316
SIAM DX GROUP	4	2,273,775
VYTAUTAS MAGNUS UNIVERSITY RADIO CLUB	4	1,920,572
BASHKORTOSTAN DX CLUB	3	1,605,422
WORLD WIDE YOUNG CONTESTERS	4	1,454,995
YO DX CLUB	3	1,415,136
599 CONTEST CLUB	4	1,174,931
GUARA DX GROUP	3	1,021,970
CSTA BUCURESTI	3	801,280
MARITIME CONTEST CLUB	3	641,378
ARAUCARIA DX GROUP	3	548,999
CANTAREIRA DX GROUP	3	523,287
HADLEY WOOD CONTEST GROUP	3	324,252
RIO DX GROUP	4	120,193



Daniel, OK1DIG, set a new SOHP 80-meter world record as OL6X.

limit. Incidentally, if you do operate beyond the time limit, or operate on bands other than your single-band entry, you must leave the QSOs in your log. They won't be counted in your score, but they are needed to complement the other half of the QSO in the other logs. Otherwise, all those QSOs missing in your log will cause losses and penalties in the mating logs.

Multi-Single and Multi-Two entries must pay careful attention to the band-change rule. When the limit of 8 band-changes per clock hour is exceeded, all subsequent QSOs in that hour do not count in the final score calculation. Thus, single-op time violations and MS/M2 band-change violations accounted for significant reductions in many logs.

Rules

A few rule details were adjusted for this contest to bring them in line with the CW/SSB version. Band changes for MS and M2 were increased from 6 to 8. Low Power was reduced from 150 to 100 watts. Low Power was added to the single-band categories. Also, the award program was expanded. Wherever possible, we endeavor to achieve consistency across the modes.

Key differences still remain for RTTY: No 1.8 MHz operation, 30-hour single-op time limit vs. 36, no SO Assisted category (everyone can use packet), no QRP category, single transmitter for MS (no prefix transmitter), band-change limit rather than 10-minute rule for MS, and 2 or 4 points for country-country QSOs in all continents, not just North America. There are sound reasons and history for these distinctions.

Summary

For this contest 2080 logs were submitted, and all but two were electronic. (How does one create a paper RTTY log?!) There were 1881 distinct prefixes in those logs. The highest number of prefixes worked by one station was 1034. Over 825,000 QSOs were logged, about 40% of last year's WPX CW, even though the number of different callsigns logged was similar between the two modes. Seven of the ten world records were broken, and a number of the regional records as well. Most important, people had a great time and RTTY operating skill has never been better.

It is wonderful to see the excitement and growth of the CQ WPX RTTY contest, and RTTY contesting in general. Paolo, I2UIY, and Glenn, W6OTC, evolved a powerful event that is a lot of fun for everyone. It is this enthusiastic participation that enables records to be broken year after year with little help from the sun. Although it is the top scorers who win the

plaques and certificates and occasionally set a new record, that is only accomplished through the team efforts of everyone operating in the contest. We can be proud of all the individual results.

Thanks for all the help in administering the contest. Glenn, W6OTC, has provided daily support, as well as Steve, K6AW, and Trey, N5KO. Mark, K6UFO, helped with log submittal integrity, and Randy, K5ZD, is always available for consultation and ideas on rules, log checking, website, vision, etc. Ken, K1EA, has developed amazing log-check technology, and Gail, K2RED, is incredibly patient with us while working overtime to get our results published. Barry, W5GN, has selflessly added the two CQ RTTY contests to his certificate generation/mailling work, relieving a huge burden from the contest director. Mike, K4GMH, drives the plaque program, and Don, AA5AU, maintains the records and results archive. Dan, I1-12387, and Marek, SP7DQR, did the SWL log checking.

For expanded results of the 2009 WPX RTTY Contest, including the full QRM and a list of operators of the multi-stations, see the CQ website: <www.cq-amateur-radio.com>.

See everyone in the 2010 CQ WPX RTTY on 13-14 February 2010.

73, Ed, WØYK

DX QRM

Many trx to all for the points. Great to work some good DX with the 5W QRP ... **2E0ZWW**. Our plan was to participate as M/S with the call A71BX but somehow we faced some problems to set up the station and to connect both stations together and we could not fix it since it was first time for us to work in RTTY contest. However after 3 hours of the contest finally I decided to participate as single operator all band low power and A71BX agreed. It really was a good experience for me and I had a lot of fun on 15m when there a big pile-up on me. Also I was able to make some QSOs on 10m and 80m. I believe we are going to do better next year ... **A71CV**. Very glad to play the RTTY WPX game first time! ... **BG4AHF**. QRP, 2.5W via Tuner Z11 from Yaesu FT-817 to Window FD3, 8m high 21m long, used on 80, 40, 20m. On 15m 2-ele mini Yagi fixed to south shows that it is possible to work QRP on 4 bands also in RTTY. Lots of fun. Thanks to the patience and receivers of the Big Guns. ... **DJ3GE**. RTTY contesting can become addictive and great fun, too! ... **G3TXF**. Enjoyed the contest very much. Conditions good on Saturday on 15m not as good on Sunday. Left mainly with 20m and 40m with some good runs on 20m. Thanks to CQ for the contest and all for the Q's ... **HZ1PS**. Very fine condx, at last! ... **MMØRKT**. Very interesting contest! All the best and best regards! 73! ... **RD4HD**. What a great contest. This time, I raised my 40 ft. telescopic pole and pulled up dipoles for 80m, 40m, and 20m. As before I had 20m vertical dipole with 600 ohm open feedline. First night gave a lot of Q's on 80m and some 40m, and then 20m was ok, but the real thrill was on Sunday when I kept the frequency for 4 hours until my IC-7000 switched off because of heat. It came back and I was able to continue. After dark was bad. Altogether, only 5% of all Q's were from NA which is unbelievably low. Distance champions were HZ1PS from Saudi Arabia and KH7X from Hawaii (which was my last Q). Thanks for organizing this great contest ... **TF1AM**. Well, the entry class may say SOAB but for most of the contest it was single band only after we got hit with freezing rain Thursday prior to the contest. 80m was the only functioning antenna after the storm passed through damaging the 40m array and severely icing the tribander, leaving it unusable. Coupled with the flu bug I was pretty well out of commission until approx. 16:00Z Sunday, when the tribander came back on line. Then it was a sprint to the finish line on 20m. Lots of business on both sides of the pond until around 18:00Z, when someone turned the switch on Europe. There was, however, lots of business left in the Western Hemisphere to keep this flu-wracked body busy to the end. Thanks CQ organizers and hope we got into your log. 73, Bill ... **VY2LI**. Great contest! Suprised at good 15m openings but couldn't get anything going on 80m. Can't wait for the next one! ... **XW1B**. Good propagation to EU, but could not reach SA ... **YB3MM**. Conditions were quite good! I installed new dipoles for 20m and 40m, which outperformed the G5RV I normally use! QSOs on 40m with US stations was a first for me! ... **ZS1JY**. A contest of two extremes: good conditions on Saturday, rotten conditions on Sunday! Satisfactory outcome though, largely due to a personal best 40m tally! ... **ZS2EZ**.

USA QRM

Great contest! We were not able to operate in 2008 so it was nice to get some of the Florida boys together and operate this year. Conditions were good and there were many prefixes to work on all the bands. 40 meters was the band that was a big point maker and we were able to run on a frequency for hours. We want to thank everyone who worked us and made this a very enjoyable contest. ... **AF4Z**. First WPX for this call and it worked well. Had good runs on 80, 40, and 20. 15 was open a little Saturday and much longer Sunday. Our final score was our best effort to date. Thanks to all who worked us. ... **AK4K**. What a contest! I had a great time, even though I came down with pneumonia just two days before, got the flu on Sunday, had a family visit Saturday afternoon, the computer virused out right at the start time, and the mouse stopped working Sunday AM. I made more points than ever before, even though my Q's were not as high. Thanks to all who worked me. You're a great bunch! ... **KA1C**. Great fun. Lots of new testers, which bodes well for RTTY! ... **KK1X**. Alaska is about extremes and this was extreme contesting! High solar wind, geomagnetic activity, high local winds made for a challenging RTTY contest. With all that, it was still a blast!! ... **KL8DX**. My first real attempt at using RTTY and I love it! I tried 30 years ago with the chunka-chunka-chunka mechanical system and it drove me nuts. This is a blast! ... **NGHE**. I am checking myself into rehab. I had two blondes and a brunette who wanted to go riding in the Corvette this weekend. No, I had to call CQ Test on 10m for 20 hrs with an A index of 30. What was I thinking? I need to make a change of plans or something! ... **NA4W**. This score beats my all-time high as a single op. The highlight was having HZ1PS call me on 20m. Got to work my friends at NP3U on 4 bands. What a great contest! ... **NG1G**. WPX RTTY doesn't have a QRP category, and I sure missed it. But with no sunspots, high A and K indexes, and operating from the Pacific Northwest it seemed a lot like operating QRP! Contacts were 75% from North America, even though I tried and tried to work some DX. 20m barely stayed open for the start of the contest and a handful of Pacific stations. Then it was slugging it out on 40m for the evening, but never managed to work a European, only NA and SA. I even got up at 3 AM local time to work the JAs on 80m and 40m. Got 23 of them in one hour and went back to sleep. The mornings provided only two dozen Europeans on 20m. 15m was only for South America, and didn't bother with 10m. I finished at about 75% of my hopes, but that leaves me room to improve next time. A few overdriven signals, a few rude frequency stealers, but many good ears and great ops. Thanks! ... **NN7SS**. Forty & 80 were miserable here. Only persistence got me 81 Q's on 40. Where are those sunspots? Maybe next year ... **W0RAA**. QRP 5 watts. First time in contest. Sure would be nice to have a QRP class ... **W5GHZ**. Had a wonderful time! As usual, did not get to operate as long as I would have liked. Broke in my new K-3 and it is an awesome RTTY machine! Many signals and pretty good propagation, a good sign that RTTY is growing. Thanks for putting on this great event. How about 4 times year? ... **WB4ROA**. Valentine's Day weekend, lots of local noise, three computer crashes. I Loved It! ... **WD4PDZ**. First RTTY contest. I'll be back. ... **WV2ZOW**.

(Continued on page 107)

Number groups after call letters denote following: Band (A = all), Final Score, Number of QSOs, and Prefixes. An asterisk (*) before a call indicates low power. Certificate winners are listed in bold-face. (Note that the country names and groupings reflect the DXCC list at the time of the contest.)

**2009 RTTY WPX RESULTS
SINGLE OPERATOR
NORTH AMERICA**

United States			
AJ11	A	4,577,664	2057 728
(OP: W1UE)			
K1SFA		2,026,752	1154 546
K5ZD/1		1,743,833	1036 527
W1ZK		745,710	728 402
NG1G		490,335	582 337
N1SV		473,340	620 322
W1KO		403,265	540 296
A1ET		399,324	535 321
W1BYH		325,689	414 273
WE1H		172,430	314 215
W1UJ		157,023	316 219
W1HBR		103,600	251 175
N5VU/1		78,588	238 148
W1TO		65,569	175 133
W1YRC		59,909	188 139
W1AQP		24,930	120 90
W1N10TV		3,570	37 34
AD1L	14	285,360	429 290
AK1W		12,403	99 79
*KS1Y	A	3,101,805	1636 687
(OP: N1BAA)			
*KA1C		392,805	484 301
*W1CC		257,629	403 241
*KK1X		194,253	395 219
*AB1J		186,042	342 202
*K1SEZ		176,596	351 212
*KB1CJ		103,455	242 171
*Y07ARY/W1		100,806	281 159
(OP: Y07ARY)			
*WB1EDI		96,446	251 166
*NJ1H		87,016	226 149
*KF1D		86,193	194 157
*N1SNB		79,577	221 151
*AD1DX		66,265	210 145
*WA1ZYX		63,000	182 140
*KJ4DHB/1		58,928	180 127
*NE1F		41,800	145 110
*NA0X/1		32,340	126 105
*W2JU/1		17,100	100 75
*W1MJ		15,688	83 74
*KB1NRB		15,663	81 69
*N1MCO		7,056	61 56
*N7FY0/1		6,450	53 50
*KX9/1		2,550	37 34
*K1U1X	14	19,437	102 93
*K1UO		4,560	43 40
*KA1CQR	3.5	2,538	29 27
(OP: N1BAA)			
NO2T	A	1,058,574	899 473
WX2X		375,550	504 290
AA2NA		220,069	377 229
NA2M		183,609	330 207
WA2ETU		157,080	308 204
NJ1F/2		153,069	268 197
WS9M/2		127,270	287 178
W2LE		98,952	320 186
K2TV		94,214	225 163
KC2KZJ		12,978	76 63
W2LUC		3,655	49 43
N2CU	14	66,882	189 157
*N2FF	A	416,416	517 308
*K2DSL		323,868	514 274
*WA2LXE		220,752	411 219
*K2ZC		219,968	315 224
*WA2MCR		170,060	358 220
*KB2NB		152,277	265 193
*WB2RIS		126,420	342 206
*K2YB		124,914	273 191
*K2SI		98,505	255 165
*N2MH		80,483	239 151
*KB2VMG		78,960	209 140
*KD2MX		59,400	193 132
*W2CL		39,760	143 112
*WB2SIH		36,630	143 111
*KR2D		28,440	124 90
*N2TEW		28,152	121 92
*KC2QGR		27,090	116 90
*WB2TPS		21,070	103 86
*WA2CAM		16,400	106 82
*K3OE/2		12,160	76 64
*WV2ZOW		348	12 12
*N2AKT		12	3 3
*WX2U		1	1 1
*K2PAL	7	9,464	61 52
(OP: K1D)			
K3MM	A	5,386,178	2327 742
W3VF		2,280,564	1275 572
AA3B		1,932,537	1060 543
K3RWN		471,968	650 301
K3WVV		445,160	483 310
W3ZZ		438,557	573 323
KJ3X		380,190	610 285
N3AM		257,250	357 245
W3DAD		225,504	384 216
W3MF		99,969	180 141
W1ZE/3		87,669	201 153
W3TNU		86,080	207 160
K3RMB		66,816	205 128
N3OW		61,020	145 111
WA3AAN		25,676	111 98
K3MD		11,122	80 71
AJ3M		7,248	57 48
K4ED	14	19,691	121 97
*W3DON	A	345,330	468 270
*KB3LIX		302,575	419 247
*W3S		212,940	362 252
*K3W3S		200,640	398 220
*W3BR/3		198,644	327 213
*N3CHX		155,856	340 191
*W3BJJ		96,084	252 153
*N3NZ		62,720	201 140

*KB3KXX		19,028	89 71
*W3ZF		11,648	76 64
*N3NR		11,616	72 66
*N3WZR		7,728	55 46
*W3ZGD		3,136	37 32
*N3ROV		2,494	34 29
*N3AFT		1,920	33 32
*N3JNX		1,458	30 27
*N3B	14	12,375	87 75
*K3NK	7	121,360	221 164
*K3SV		67,626	133 117
(OP: K1K0)			
K4GMH	A	5,241,488	2214 742
N6AR/4		2,456,720	1468 574
W4PK		2,213,340	1346 555
W4GKM		1,148,210	1107 470
K4FX		1,101,600	904 459
AD4EB		871,125	978 375
N2YEV/4		674,064	689 372
KR4F		632,333	661 383
N4LV		620,238	655 334
WB4ROA		507,647	523 329
KR4U		480,095	703 301
K4HMB		440,118	507 294
K4HMG/4		439,240	522 316
N01W/4		340,392	491 312
(OP: K1K0)			
K4HAL		321,183	523 281
N4BCB		320,040	520 254
W4BCG		257,948	449 236
W9WU/4		238,760	405 235
KC4SAW		185,812	334 206
K3O/4		177,639	285 231
N3JT/4		174,744	292 216
(OP: K4CC)			
K4CZ	3.5	146,544	315 172
W4W		64,740	202 130
*N2OT/4	A	2,090,808	1302 568
*WF4M		1,265,660	988 484
(OP: AA4U)			
*AB4GG		964,920	976 408
*W4UEF		624,429	727 351
*WB2RHM/4		605,166	607 349
*KE4KWE		525,008	717 314
*AB4SF		461,360	540 316
*W4TJ/4		404,125	605 265
*M4IG		399,848	536 302
*K4MIL		366,359	493 263
*K4CX		293,248	477 232
*K1GU/4		289,920	435 240
*KS4S		253,105	474 223
*KD4HXT		126,368	364 176
*NB4M		118,193	261 181
*WB5MMZ/4		112,401	304 181
*W4VIC		112,041	252 177
*K4REB		109,650	272 170
*K4JJQ		88,060	241 148
*N4AC		85,164	229 151
*N4AU		80,661	227 161
*W4DPZ		79,328	189 134
*K2OGD/4		77,928	185 136
*K1U4		70,448	211 148
*K4MJA		69,174	209 126
*K1NQ		52,890	191 123
*W4OQO/4		51,480	169 117
*N4LF		46,464	139 121
*W4BK		46,065	166 111
*A14G		41,470	167 110
*KE4S		40,071	141 111
(OP: K4CC)			
*W4DDR		35,182	132 98
*N4PJ		32,635	125 107
*WC4CC		29,545	111 95
(OP: K4CC)			
*W4M4DX		27,371	128 101
*AA4NU		23,584	116 88
*K4DN		22,968	119 87
*W4BOJR/4		20,025	110 89
*AE4O		18,224	92 68
*K4U4P		15,375	91 75
*K4MARK		13,080	77 60
*W4OTN		12,993	87 71
*W4GHD		9,882	72 61
*K1QI/4		9,664	78 64
*N3TG/4		9,499	71 59
*W4MLD		5,700	59 50
*K1R1ST/4		4,012	42 34
*AA1AR/4		2,442	40 33
*W3NR/4		170	10 10
*W4LC	14	284,820	411 303
*N1ADY/4		150	10 10
*N5U/4	3.5	6,364	58 43
(OP: K4WI)			
NJ4U	21	74,816	248 167
K4FJ		52,734	208 141
K4WVV	14	408,680	498 340
N4ZZ		105,840	238 180
WW4LL	7	2,170,276	1075 526

N5RMS		64,024	275 151
NK5G		47,790	200 118
KK5QO	14	1,212,729	1148 553
AE5AA	7	1,657,920	1042 480
(OP: N5ZM)			
AA5AU		335,580	425 255
NSRN		206,752	397 208
*AD5XD	A	660,476	982 326
*K5SLNO		417,360	664 282
*WB5TUF		331,695	559 273
*WSKDJ		326,452	579 262
*K5WVV		303,282	643 249
*W5MSDX		178,808	429 217
*W5APS		151,620	384 210
*K5HDU		118,125	315 189
*W5OLF		95,680	287 160
*NSUJWY		73,206	269 147
*K5GEO/5		70,200	263 135
*W5VSK		52,496	199 136
*W5AFM/5		39,165	174 105
*N5JDX		28,536	148 87
(OP: W5OV)			
*AA5VU		22,525	103 85
*AE5MM		19,320	110 84
*K5DHY		15,604	101 83
*NSPU		10,584	79 54
*W5VX		8,906	79 61
*K5ELO		7,650	61 51
*W5JE		5,610	69 55
*K5DKH		2,352	34 28
*K5KJY		2,100	30 28
*AA5AM		1,794	24 23
*K5PAX	21	4,455	45 45
(OP: K6JUF)			
W6TQG		103,108	287 173
K6TA		96,960	251 160
NM6G		93,696	382 183
(OP: W6CZ)			
K6HGF		86,520	311 168
K6GZH		82,938	262 138
WB6JJJ		81,732	226 139
N6WG		64,480	255 124
N6CK		48,608	163 112
W6RKC		22,568	122 91
NW6P		15,075	100 75
K6SRZ		13,272	106 79
N6IT		11,224	76 61
K6MI		574	14 14
*W6FFH	A	313,730	616 274
*KM6Z		275,868	608 237
*K6GEP		112,338	328 158
*N6VH		102,008	294 164
*W6WRT		86,086	254 154
*K6SHL		58,801	236 127
*K6MM		58,800	189 140
*N6GL		57,912	225 127
*K6XB/6		56,100	217 132
*K6UUU		49,818	192 138
*K6GJF		45,480	93 120
*K6AAB		42,432	168 104
*K6VUG		32,536	128 98
*K6AGR		30,015	130 87
*K6BIR		29,779	153 97
*N6TOS		25,830	117 90
*N6EF		25,289	136 93
*N6FD		21,380	123 95
*K6XV		19,998	146 99
*NA6G		17,933	111 79
*KM6I		16,650	111 75
*K6RM		14,348	104 68
*N6GEO		13,690	97 74
*K6LE		12,561	105 79
*KA6GDT		11,403	74 63
*N6QEK		11,328	79 59
*K6ST		7,250	63 50
*K6BEN		3,696	49 42
*K6FIL		1,829	37 31
*N3RC/6		1,170	27 26
*N3FAW/6		522	30 29
*W6GAT		216	8 8
*N6HE	14	3,960	59 45
*N6NU		2	1 1
(OP: K6JUF)			
KR7X	A	1,440,410	1380 458
W7ZR		1,096,591	1371 389
K7EG		498,888	666 328
K7VDX		490,406	601 322
(OP: KN5H)			
K7SFN		372,887	684 281
WA7LWV		275,766	489 246
KD7MSC		216,354	512 214
NCTJ		178,068	399 209
(OP: W7CT)			
W7UG		161,544	326 212
N7TR		156,981	403 201

*YL4U	.	468	12	12	*SP3HK	21	5,000	45	40
*YL8M	.	297	9	9	*SP4NKJ	.	1,160	20	20
*YL2CV	21	11,940	77	60	*SP2MKZ	14	101,722	244	181
*YL2JZ	7	551,000	463	290	*SP9FT	.	88,032	222	168
*YL2ZGQ	3.5	170,050	236	179	*SP2IU	.	87,019	222	173
					*SP4PBI	.	65,860	184	148
					*SN2M	.	10,380	71	60
									(OP: SP2XF)
					*SP6BBE	.	8,874	72	58
					*SP4ZJC	.	1,113	23	21
					*SP8TJU	7	590,668	474	307
					*SQ2RQB	.	349,500	339	250
					*SP6EIV	.	253,804	293	214
					*SP2IU	.	224,048	271	209
					*SP4BPH	.	198,352	247	196
					*SP2HXY	.	110,834	182	151
					*SP6IHE	3.5	481,012	428	287
					*SP6DMI	.	355,632	368	248
					*SP4GL	.	253,000	295	220
					*SP9BMM	.	145,808	145	108
					*SP1MWN	.	49,396	117	106
					*SP5UAF	.	15,240	65	60
					*SN9I	.	11,766	55	53
									(OP: SP9EMI)
					Portugal				
					CT1ILT	A	523,224	529	338
					CT1EAT	.	404,004	396	262
					CT1EIK	.	80,033	247	163
					*CT1BKE	A	770,952	782	353
					*CT1HZU	.	840	16	15
					*CT2JMR	7	55,660	118	110
					Romania				
					YR9P	A	3,688,020	1704	630
									(OP: Y09HP)
					Y06DBL	.	298,376	362	247
					Y05CUO	.	143,460	248	180
					Y03RU	14	308,448	482	288
					Y05CBX	.	170,912	315	224
					Y04DFT	7	595,378	474	301
					*Y05OBY	A	530,244	515	309
					*Y05BBO	.	523,439	538	301
					*Y09CWB	.	498,036	527	294
					*Y03APJ	.	459,232	459	308
					*Y08DDP	.	461,376	492	288
					*Y08WVV	.	430,321	438	289
					*Y06HSU	.	423,423	455	273
					*Y06HVQ	.	394,212	445	273
					*Y05BYV	.	305,488	341	244
					*Y02RLC	.	194,880	304	203
					*Y04RST	.	77,980	180	140
					*Y07LGI	.	55,536	147	112
					*Y07LJV	.	39,083	160	121
					*Y02MCK	.	14,592	73	64
					*YR0WL	21	12,462	75	62
									(OP: Y09BC)
					*Y03JW	.	6,120	54	45
					*Y05TP	14	26,166	121	98
					*Y03JF	.	0	0	0
					*Y06JA	7	58,320	131	108
									(OP: Y06BH)
					*Y03GW	.	29,600	86	80
					*Y03III	3.5	8,360	45	44
					Sardinia				
					IS0IYEK	A	4,255	41	37
					*IS0I/IT9VDQ	A	2,144	33	32
									(OP: IT9VDQ)
					Scotland				
					GMSA	A	2,634,876	1494	558
					GMSBSH	.	999,792	804	393
									(OP: GM0MF)
					GMM3MZ	.	87,058	206	158
					*GM0NBM	A	508,614	564	309
					*MM0RKT	.	139,120	268	188
					*GM4KLN	14	54,708	172	141
					Serbia				
					YT2U	A	1,526,623	958	467
					YT2T	14	1,746,486	1224	581
					YTSW	.	1,191,561	1009	483
									(OP: YU5RY)
					YU7U	7	1,872,702	888	477
					*YU8NU	A	835,516	762	374
					*YU1RP	.	209,248	299	208
					*YU1RD	.	151,434	253	179
									(OP: YU17D)
					*YU3A	.	103,050	180	150
					*YU1IV	.	41,580	128	105
					*YU2DX	14	135,864	289	204
					*YU1YV	7	489,440	410	280
					*YU2A	3.5	738,340	541	335
					*Y1TV	.	10,200	51	51
									(OP: YU2DX)
					Slovakia				
					OM3ZBG	A	53,703	143	117
					*OM6RK	A	704,330	608	337
					*OM7AG	.	552,050	534	305
					*OM1VA	.	496,540	496	305
					*OM7DX	.	388,094	424	266
					*OM7YC	.	319,545	415	263
					*OM3TLE	.	138,672	234	162
					*OM4TW	.	105,865	194	155
					*OM7YL	.	78,372	157	126
					*OM5TX	7	904,308	599	358
					Slovenia				
					S56A	A	797,524	580	364
					S51FB	21	224	11	8
					S53M	7	3,510,730	1202	617
									(OP: S51FB)
					S54E	3.5	2,294,136	1025	513
					*S510E	A	813,170	680	349
					*S56WPF	.	337,595	379	269
					*S59D	.	292,560	389	230
					*S540	.	227,900	293	212
					*S550	.	198,450	256	189
					*S57NTR	.	180,200	231	212
					*S57MCP	.	122,975	192	171
					*S57AJ	3.5	238,980	300	210
					*S54A	.	160,950	220	185
					Spain				
					E1AKS	A	2,757,600	1361	600
					E1AKY	.	1,163,130	815	411
					E1CKR	.	741,151	622	373
					E1ATP	.	356,256	447	288
					E1ATWX	.	32,396	101	89



Andy, K2TJ, and Ken, N2ZN, at the controls of the N2WK Multi-Two, taking first place USA and 6th in the world.

EA1JW	.	1,357	23	23	HB9GAL	.	272,209	414	259
AN1A	7	1,599,066	825	441	*HB9SVT	A	516,681	495	297
					*HE8AW5	.	127,466	229	163
									(OP: HB9NS)
					*EA1DZM	A	2,891,562	1383	587
					*EA1DZR	.	83,790	167	133
					*E1K	.	28,674	92	81
					*E1DFP	.	2,759	36	31
					EA5EM/2	A	984,147	774	391
					AN2K	.	583,100	559	350
					EAZ2Z	.	36,160	146	113
					*EA2VE	A	1,635,426	1082	482
					*EA2BU	.	336,708	417	282
					*EA2CJ	7	513,928	439	283
					EE3R	A	1,295,775	864	443
					EB3JT	.	107,876	186	149
					*AM3A	A	245,410	365	230
					*Y03G	.	122,400	214	160
					*EB3CML	.	122,400	214	160
					*EA3ALV	.	119,405	224	167
					*EA3HC	.	71,672	174	136
					*EA3ANE	.	39,746	148	119
					*EA3UG	.	31,500	114	90
					*EA3GYK	.	29,400	122	100
									(OP: DK7TM)
					*AM3EGB	.	19,888	105	88
					*EB3FLY	7	135,090	195	171
					EA4BT	A	304,291	397	263
					EA4JR	.	15,936	76	64
					*EA4MA	A	7,644	54	52
					*EA4BNQ	.	540	15	15
					*EA4TD	14	654,434	722	394
					*EG4M	.	45,694	148	134
									(OP: EA4EQ)
					EA5DKU	A	1,561,056	994	483
					EE5J	.	779,025	735	425
					EC5KB	.	278,861	398	251
					EA5IY	.	112,632	196	156
					EB5DET	.	3,219	30	29
					EA5HAB	14	457,443	566	371
					EHSJ	.	28,455	128	105
					*EB5GMH	A	622,404	636	339
					*EB5CNK	.	477,325	464	305
					*EB5ARP	.	337,937	411	271
					*EB5RR	.	107,400	213	150
					*EA5ET	14	123,627	251	203
					*EC5BK1	7	9,792	51	51
					EA7ZY	21	72,822	213	159
					*EH7H	A	1,463,475	983	475
									(OP: EA7ELY)
					*EB7ABJ	.	467,675	561	325
					*EA7AZA	.	65,898	159	126
					*EA7TG	.	48,552	138	119
					*EA7MT	.	25,120	96	80
					*EA7CWA	.	23,035	99	85
					*EA7VJ	.	11,648	71	64
					*EA7HEG	14	341,734	504	323
					Sweden				
					SI4G	A	453,005	501	301
									(OP: SM4RGD)
					SM3LBP	.	37,044	124	108
					SM5OU	A	21,714	107	94
					*SF4DX	A	248,744	344	236
					*SM7BJW	.	148,598	262	191
					*SM3ETC	.	92,720	225	152
					*				

