

RESULTS 2003
RULES 2004



WAEDC

EUROPEAN DX-CONTEST

WAG

WORKED ALL GERMANY CONTEST



PY5EG (Sergio, PP5JR; Walter, PP5WG; and Marcelo, PY1KN) are active since 1960 and won WAEDC for South America more than 20 times



Operators of RU1A, who took top spot M/S in the CW part: RA1ARJ, RV1AW, UA1ARX and RA1AIP. UA1AKC from back side

DARC Referat für DX und HF-Funksport
Compiled by DL6RAI (WAEDC) and DL1DTL (WAG)





Worked All Europe DX Contest (WAEDC)

The Deutscher Amateur Radio Club (DARC) invites radio amateurs world wide to participate in the annual WAE-DX-Contest.

Bernhard Büttner, DL6RAI

1. Times:

CW: August, second full weekend
Saturday, August 14, 2004, 0000 UTC until Sunday, August 15, 2004, 2359 UTC
SSB: September, second full weekend
Saturday, September 11, 2004, 0000 UTC until Sunday, September 12, 2004, 2359 UTC
RTTY: November, second full weekend
Saturday, November 13, 2004, 0000 UTC until Sunday, November 14, 2004, 2359 UTC

2. Bands: 3,5 – 7 – 14 – 21 – 28 MHz

According to IARU Region 1 regulations, operation is not allowed in the following contest-free windows:
CW: 3550–3800; 14060–14350 kHz
SSB: 3650–3700; 14100–14125; 14300–14350 kHz.

3. Categories:

a) Single Operator - max. output 100 watts - all bands.
Only one signal permitted at any time.
b) Single Operator - output higher than 100 watts - all bands.
Only one signal permitted at any time.
c) Multi Operator - Band changes are allowed every ten minutes; this also includes QTC traffic.
Exception: working of a multiplier.
Other transmitters may be used in parallel to the main station to work multipliers on other bands (note: this means, several signals may be on the air on different bands at the same time).
d) SWL (see part 12)
The use of DX spotting nets is allowed in all categories. Single Operator stations which claim to not use spotting nets will be marked with the special symbol „-“ in the final results.

4. Off Times:

Single Operator stations may only operate 36 out of the 48 hour contest period.
The total of 12 hours off time may be taken in one part but not more than three parts. The off times must be shown on the summary sheet.
If operation is interrupted for more than 12 hours the three longest off time periods must be a minimum of 12 hours.

5. Exchange:

A contest QSO can only be conducted between a European and a non-European station (exception: RTTY). The exchange consists of RS/RST and a progressive serial number starting with 001. If the station worked does not send a serial number, log the contact with number 000. Each station can be credited only once per band.

6. Multiplier:

For non-European stations the multiplier is the number of countries defined in the WAE Country List (see below) worked per band.
For European stations every non-European DXCC entity counts as a multiplier. Exception: In the following countries up to ten call areas count as multipliers: W, VE, VK, ZL, ZS, JA, PY and RA8/RA9 and RA0 – without respect to the geographic location.
Examples: W1, K1, KA1 and K3./1 count as W1; VE1, VO1 und VY1 count as VE1; JR4, 7M4 und 7K4 count as JA4; ZL2 and ZL6 are two different multipliers.
Multiplier bonus: Country multiplier points are “weighted” by band. Multiply the number of countries worked on 3.5 MHz by four, on 7 MHz by three, and on 14/21/28 MHz by two. The total multiplier is the sum of the weighted multiplier points of all bands.

7. QTC Traffic:

Additional points can be achieved by QTCs. A QTC is the report of a contest QSO back to a European station (exception: RTTY, see part 13).
The following rules apply:
a) A QTC contains time, call sign and serial number of the reported QSO. Example: “1307/DA1AA/431” means that DA1AA was worked at 1307 UTC and sent serial number 431.
b) Each QSO may only be reported once as a QTC. The QTC may not be reported back to the original station.
c) Every QTC that was correctly transferred, counts one point for the sender and one point for the receiver.
d) Two stations may exchange up to 10 QTCs maximum. The two stations may establish contact several times to complete the quota.
e) QTCs are transferred by means of QTC series. A QTC series is a block of one (minimum) to ten (maximum) QTCs. QTC series are numbered using the following scheme: The first figure is the progressive serial number starting with one; the second figure denotes the number of QTCs in the series. Example: “QTC 3/7” means this is the third QTC series transmitted by this station and it contains seven QTCs.
f) For every QTC series that is transmitted or received, the QTC number, time and frequency band of the QTC transmission must be logged. If any of this data is missing from your log, no credit will be given for this QTC series.

8. Scoring:

The final score is the result of total QSOs plus QTCs on all bands multiplied by the sum of all multipliers weighted by the band bonus factor (see part 6).

9. Disqualification:

Violation of the rules of the contest or unsportsmanlike conduct will be deemed sufficient cause for disqualification.

10. Logs:

General notes: All stations are asked to submit an electronic log. All stations claiming a final score of more than 100,000 points must submit an electronic log. Stations that do not wish to be listed in the final results are kindly asked to submit their log as a check log.
All times must be in UTC.

Electronic Logs: All computer-generated “electronic logs” should be submitted as a file either by E-Mail or on disk. We prefer to receive data either in the Cabrillo format or in the DARC STF format.

By submitting an electronic log, the participant claims to fully accept the rules of the contest. A written declaration is not necessary.

Hand-written logs: Please use the official WAEDC log forms and summary sheets. These sheets are available on the WAEDC Web site or can be requested by sending an SAE to the contest manager. The logs are to be organized in chronological order. If more than 100 QSOs are made on a band, a call sign check list is requested. Duplicate QSOs must be marked.
QTCs may either be logged directly on the log sheets or on a separate sheet. The log must include a signed summary sheet and check lists for QTCs and multipliers.

11. Club Competition:

The club score is calculated by adding the final results of all participating club members in all three WAE contests, excluding SWLs. The club name has to be indicated on the summary sheet for the log to be counted. The club must not be an official national amateur radio club. Participating club members must live within an area of a circle with a maximum of 500 km (312 miles) diameter. For a club to be listed, a minimum of three logs must be submitted.
A trophy is sponsored for the top DX (non-EU) and the top EU clubs.

12. Special Rules for SWLs:

SWLs record stations working in the WAEDC. Participation is only possible as a single operator all bands. Every call sign heard - European or non-European station - may be credited only once per band. Both call signs of a contest QSO have to be recorded.
Each station that is logged including the serial number that was sent by that station, counts one point. Every complete QTC which includes all QTC series information (up to a maximum of 10 per station) also counts one point.
Multipliers are counted according to the criteria indicated in part 6, but both European and non-European multipliers are counted. A call sign can only be counted as a multiplier, if the serial number it sent was recorded. In the best case, for a completely recorded QSO, two points and two multipliers can be credited.

13. Special Rules for RTTY:

In the RTTY portion of the WAEDC there are no continental limits; everybody can work everybody. Only QTC traffic must be performed between different continents. Every station may send and receive QTCs. The sum of QTCs exchanged between two stations (sent plus received) must not exceed ten.
The European and non-European multipliers indicated in part 6 count for all stations.

14. Log Deadline:

CW: September 15; SSB: October 15; RTTY: December 15, 2004.

Criteria for WAEDC Awards and Plaques

Continental winners will receive a plaque. Country winners in all categories receive an award if they fulfill the following conditions:
The minimum conditions are 100 QSOs in connection with at least one additional condition:

1. for awards:

- Continental winner
- Member of the Top-Ten/Top-Six (multi operator) list.
- Country winner
- Regional winner in one of the countries which count by call areas
- at least half of the score of the respective continental winner
- at least 100,000 points

2. for plaques:

- Continental winner
- Stations who have been into the Top-Ten/Top-Six list for at least five times can apply for a special plaque.
- The WAEDC committee reserves the right to honor special contest activities with additional plaques.

A special prize is awarded to stations activating a WAE country from where no log was received over the last three years. For 2004 these are: 1A0, C3, CU, GD, GM/s, HV, JW/b, JX, OJ0, R1F, R1M, SV/A, SV5, SV9, T7, TK, ZB.

Mailing Address:

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Schmidweg 17, 85609 Domach/GERMANY
E-Mail: waedc@dxhf.darc.de; URL: <http://www.waedc.de>

WAE Country List: 1A0 – 3A – 4U11 – 4U1V – 9A – 9H – C3 – CT – CU – DL – EA – EA6 – EI – ER – ES – EU – F – G – GD – GI – GJ – GM – GM/s – GU – GW – HA – HB – HB0 – HV – I – IS – IT – JW – JW/b – JX – LA – LX – LY – LZ – OE – OH – OH0 – OJ0 – OK – OM – ON – OY – OZ – PA – R1F – R1M – RA – RA2 – S5 – SM – SP – SV – SV/A – SV5 – SV9 – T7 – T – TA1 – TF – TK – UR – YL – YO – YU – Z3 – ZA – ZB

WAE DX Contest 2003

Relatively good propagation conditions during all three parts of the WAE DX Contest 2003 again lead to an increase in stations, logs, total QSOs and QTCs compared to the record-breaking year 2002. Let's hope that this trend continues over the next years – although with declining sunspot activity, this will be difficult. Very few contacts were made on 10 meters this year while the low bands, 40 and 80 meters produced some nice DX contacts to Asia and South America.

Still, 8 new world records were set in 2003, as a result of both increased activity and relatively good propagation conditions.

For those stations looking closely to their final results, some of you will note a reduction in your final scores compared to the claimed result. This is due to the enhanced cross-checking methods which were applied this year. If you are interested in receiving a detailed report, either take a look at the WAEDC Web site or let us know.



PY2NY receives WAEDC 2003 CW 1st Place Low Power South America Plaque from DJ9MH

Statistics

A total of 1,860 logs were received (2002: 1,638). The large increase of 13.5 % came partly from the RTTY portion, where we have an increase of 148 logs compared to 2002. Considerably more logs were received for the CW portion than SSB this time. It seems like WAEDC fans are also CW lovers.

1,649 logs were received by E-Mail. Only 13 were submitted on a floppy disk. 170 paper logs with 19,004 QSOs and 12,358 QTCs were received, (in comparison to 2002: 197/24,886/19,137). All paper logs were typed in by volunteers (special thanks to DH4SBO, DL4RDJ, DL8WX, DL9NDS and IV3IYH this time) and so all entries could be verified electronically.

728 logs from 106 countries (64 DX – this includes call sign districts, and 42 EU) were received for the CW contest representing a total of 230,240 QSOs and 227,223 QTCs. On SSB 660 logs were received from 114 countries (76 DX, 38 EU) reporting a total of 191,368 QSOs



Jesus, LU5FC, won the Single OP South America trophy on CW this year

and 183,086 QTCs. RTTY had 472 logs from 87 countries (46 DX, 41 EU) representing 141,995 QSOs and 81,310 QTCs. A total of 847 awards and 57 plaques have been shipped for the WAEDC 2003.

We had 981 Single OP/Low Power logs, 595 Single OP, 135 Multi-OP logs, 45 SWL entries and 102 Check Logs this time.

There were a total of 5,364 callsigns of stations making 20 or more QSOs in CW, 12,079 in SSB and 2,274 in RTTY. Thanks to many individuals and groups, some of the rare WAE countries were on the air during the 2003 events. Two special prizes for rare country activation are awarded this year to: 9H3TM (Op. DL1ASA) and ZA/UT7DW.

Out of the 72 WAE countries, all but 1AØ, 4U1VIC, JW, JW/B, JX, OJØ, OY, R1F, R1M and SV/A were active in 2003. Please note that there is a special prize for activating some of the rare WAE countries.

CW

Boris, S58A, from his fine hilltop-location in Eastern-Slovenia is the winner of the Single Operator CW category, closely followed by OL8M (operated by OK1DRQ) and LY2IJ for places two and three.

In the Low Power category, Jonas, LY2PAJ (operated by LY2PAJ) captured the top spot with a nice score that would have put him also into the top ten of the High Power category. WWC member Filipe, CT1ILT, and I3MLU operated by Mat, IZ3EYZ came in second and third. As you can see from Jonas' score, the winning strategy in the low power category seems to be concentrating on QTCs and multis.

In the Multi-OP category, the St. Petersburg team of RU1A can again be found at the top, recapturing this prominent position after they had lost it against Germany last year. They are followed by a very close race between DFØCG and DLØXM with a score difference of 0.4 %!

In the DX arena, as in 2002, P3F again, operated by Bob, 5B4AGN turned in the winning score. He was closely followed by Vakhtang, 4L8A, and again Yuri, UA9AM, who operated as RG9A.

In the Low Power category, Cyprus is again the winning place. George, 5B4AGC, operating as H2G turned in an astronomic score of over 2 million, leaving his competition eat his dust. He was followed by Fazil, TA3DD, and Igor, UA9CDC, from Ekaterinburg. All three top positions in the Multi operator category go to the Americas this time;



Serge, FO5PS, who was active in WAEDC-RTTY

place 1 and 2 to N3RD and K2NG; on place 3 we find AYØF from Santa Fe, Argentina.

The SWL category in CW was won again by LYR-794 in Europe and RZ3BY/Ø outside Europe.

SSB

As in 2002, the top Single Operator trophy this year goes again to St. Petersburg, Russia. Vlad, RW1AC, operating from the premises of RU1A takes top honors, just beating Steve, GW4BLE, operating as GW7X by 3.2 %. Mike, OE6MBG, came in third operating as OE6Z.

The top three positions in the Low Power category are a repeat of the CW portion. Single Operator/LP is again lead by Jonas, LY2PAJ, operating as LY5A and Filipe, CT1ILT, this time showing up as CQØT. Third place again goes to Padova/Italy, where I3MLU was operated by Mat, IZ3EYZ.

The super station DFØHQ again put all their forces together to capture the top spot in the Multi Operator category, followed by DKØMN and HG6N for places two and three.

Chris, DL1MGB, went to the Caribbean island of Tobago and operated as 9Y4TBG, achieving the top spot in the Single Operator category. Winning WAEDC from a place so far away from Europe deserves our particular respect! Places two and three went to Vadim, 5B4/UA9CLB, in Cyprus, and Yuri, UA9AM, again operating as RG9A.

The Low Power honors went to 4XØT operated by 4Z5FI, who edged out RU9DD and ZX2B (Op. PY2MNL). K4JA from Virginia/USA turned in the top score taking advantage of the good propagation on 15 meters. ZW5B operating from the location of Oms, PY5EG, and RW9HZZ came in second and third respectively.

UA3-17Ø-847 turned in an even bigger SWL score this year, setting another new world record while JA6-9330/1 won the SWL category from outside Europe.



Dave, N3RD, a regular in the WAE DX Contests and always in a top position.

RTTY

The RTTY contest saw a new high in activity and so Arunas, LY2IJ, who operated from LY1DM's station (formerly known as UK2BBB, UP1BWW and LY2WW) took the top spot, just edging out Nikola, 9A5W, who came in second with a distance of only 0.3 %! Lothar, DL3TD, had to fight a lot of technical problems when he did WAEDC RTTY for the first time but still managed a good position in the top ten.

The Low Power category is lead by Arpad, YU7AM, who says his good computer software is partly responsible for the good outcome. LZ9R operated by LZ3YY and RV3FF took places two and three in this highly competitive class. The Multi Operator category once again has RO4M from Dimitrovgrad in the top position, however this time seriously attacked by the Macedonians operating Z31MM. The just fell short by 1%. Place three goes to Slovenia represented by S53S.

Outside Europe, Wanderley, PY2MNL, operating ZX2B takes top honors in the Single Operator category just beating Bruce, ZF2NT (N6NT), by a massive plus in QTCs. As an old-timer in WAEDC, Wanderley sure knows how to handle QTCs. Place three goes to Nova Scotia, from where Scott VE1OP, turned in a nice score.

The three top spots in the Low Power category went to Brazil (PY7TKS), Kazakhstan (UP6P) and Ontario/Canada (VA3DX). All three scores would also make it into the High Power Top Ten category.

The DX Multi OP category saw only three entries this year, however each of them were quite serious. The top position went to Turkey, where professional soccer player Sergei Rebrov (a.k.a. MØSDX, UT5UDX) put together a nice team and came in first. Unfortunately, Sergei's CW and SSB logs were never received and it seems they were lost on their way through the Internet. Positions two and three went to VE3NZ and KØFJ.

In the SWL category, LYR-794 again put in a lot of effort and made first place, while JA6-9330/1 is the SWL winner from the DX side.



Leo, 3XY1L, who gave out the Guinea multiplier to many in the WAEDC SSB contest

New Records

Eight world records fell in the 2003 contests:

New Records			
Callsign	Mode	Category	Region
LY5A	CW	Single Operator/LP	EU
LYR-794	CW	SWL	EU
H2G	CW	Single Operator/LP	DX
RZ3BY/Ø	CW	SWL	DX
LY2IJ	RTTY	Single Operator	EU
LYR-794	RTTY	SWL	EU
ZX2B	RTTY	Single Operator	DX
PS7TKS	RTTY	Single Operator/LP	DX

JY9QJ created a new Top Multiplier of 552 on CW, ZF2NT increased the top QSO count to 1429 on RTTY while ZX2B did the same with QTCs (2034!). In all, 129 new national records were set – again without Low Power – this category is still too fresh. As you can see, compared to 2002 (96) and 2001 (73), 2003 was really a successful year.

Log Checking

Our methods of cross-checking have steadily improved over the years. Technology marches on and in order to avoid falling back, so must we. 2003 was the first year when serial numbers and QTC content were fully cross-checked (on top of callsigns). Of course this has created surprises for many.

The average loss in points is approximately 5 %, with some losing up to 20 % of their score. In general, more points were lost in CW than in SSB and more were lost in SSB than in RTTY.

Here is something very important: The error rates shown are copying errors. They have nothing to do with cheating and there is no reason for us to doubt your honesty. This



K1TTT 4/4/4/4 20 m stack on a 150' tower

is a sportive event and your task is to conduct error-free two-way radio communication with as many stations as possible. Our task is to make sure that you will receive credit only for error-free QSOs, thus enabling the best of the best to win this competition.

If you find yourself with a relatively high error rate and you have doubts or are worried, the first thing to do is to look at your UBN report. This report will tell you in a very detailed way, which QSOs were removed from your log and the reason why. As a rule, we do not disclose error rates or UBN reports to anyone other than the operator personally. The WAEDC Web site enables you to access your UBN report through a password system but if you don't have Internet access, we are ready to provide your report on paper.

Finally, there are people with an error rate of 0 %, so it is possible to get things right. 48 stations on CW, 64 on SSB and 24 on RTTY had no errors in their logs at all.

The stations which scored highest with an error-free log (so-called "golden logs") were:

„Golden Logs“					
Mode	Call	QSOs	QTCs	Mults	Score
CW	XM2AWR	187	187	146	54,604
SSB	W1TO	177	177	172	60,888
RTTY	K5WW	183	0	171	31,293

Coming Up: WAEDC 2004

The 50th WAEDC is coming up! It was back in 1955 when Rudi Hammer, DL7AA, created this contest to re-invent the old idea of QTCs that first came up in 1936! If you are interested in the history of this contest, please take a look at our Website where you will find additional information.

A special program is underway for this event to make WAEDC 2004 the best ever. Special activities are being planned and prepared, and we will be trying very hard to put every WAE country on the air during this anniversary period. No changes to the rules were made as the old concept has proven to be successful. Please prepare yourself and get up-to-date logging software which can produce either Cabrillo or STF files. These are the preferred data formats we like to receive from you. The standard formats make our lives a lot easier and help to reduce the workload.

We are looking forward to seeing you again in the WAEDC 2004. Let us know of your planned operations and we will list you on the WAEDC Web site. By the way, the Web site is also a good place to check out for QTC training!

Ben, DL6RAI
WAE-DX-Contest Manager



DFØHQ members DL5YY and DK7YY concentrate on winning

WAEDC 2003 International DX Club Competition

Winner Europe: Bavarian Contest Club (DL) 32,259,660 points
Winner Non-Europe: Potomac Valley Radio Club (W3) 13,878,748 points

Listing shows club, club score and number of entries in brackets.

Europe

Bavarian Contest Club (DL)	32,259,660	(75)
Russian Contest Club (UA3)	9,964,372	(22)
Rhein Ruhr DX Association (DL)	8,812,759	(31)
World Wide Young Contesters (*)	7,005,705	(18)
Latvian Contest Club (YL)	5,891,538	(9)
Kaunas University of Technology Radio Club (LY)	5,531,087	(11)
Lithuanian Contest Club (LY)	5,434,950	(4)
Ukranian Contest Club (UR)	4,237,032	(12)
Vrhnikia Contesters (S5)	3,726,532	(4)
Vojvodina Contest Club (YU)	3,392,673	(5)
Croatian Contest Club (9A)	2,774,937	(4)
Marconi Contest Club (I)	2,647,367	(7)
Contest Club Finland (OH)	1,995,442	(7)
SP DX Club (SP)	1,937,036	(24)
Slovenia Contest Club (S5)	1,531,398	(3)
NorthSeaDXClub(DL)	1,510,525	(6)
D XGroup Thuringia (DL)	1,162,938	(15)
SP Contest Club (SP)	361,614	(3)
Lithuanian DX Group (LY)	361,210	(4)
LZ CW Club (LZ)	294,494	(3)
Süddeutsche DX Gruppe (DL)	237,519	(7)
Obninsk QRU Club (UA3)	204,499	(3)
Les Nouvelles DX (F)	131,251	(4)

YU Contest Club (YU)	90,668	(5)
Noviomagum Contest Club (PA)	44,170	(3)
Kontest Klub Krasnodarskogo Kraya (UA6)	39,892	(4)

Outside Europe

Potomac Valley Radio Club (W3)	13,878,748	(33)
Frankford Radio Club (W3)	9,084,959	(18)
Contest Club Ontario (VE3)	8,597,574	(24)
Ural Contest Group (UA9)	8,443,958	(15)
Yankee Clipper Contest Club (W1)	8,099,713	(24)
Tu PY DX Group (PY)	3,909,689	(11)
Society of Midwest Contesters (W9)	2,910,628	(11)
Northern California Contest Club (W6)	2,012,648	(7)
Araucária DX Group (PY)	1,942,776	(5)
Tennessee Contest Group (W4)	1,899,558	(12)
Sao Paolo Contest Group (PY2)	1,751,269	(6)
Central Siberia DX Club (UA0)	1,744,574	(8)
Guara DX Group (PY7)	1,400,532	(14)
Florida Contest Group (W4)	1,253,919	(11)
Western Washington DX Club (W7)	923,101	(3)
South East Contest Club (W4)	447,027	(7)
Grupo Argentinode CW (LU)	355,598	(4)
Metro DX Club (W9)	118,239	(3)
Southern California Contest Club (W6)	105,502	(5)
Minnesota Wireless Association (WØ)	90,371	(4)
Thailand DX Association (HS)	88,654	(4)

SN2E „ 494 19 0 26
 (Op. SP2EWO)
 SP4ZO „ 72 6 0 12
 SP3HUU M 252540 468 222 366
 SP9KRT „ 216265 251 584 259

Portugal
 CT1ILT L 1075145 1018 1111 505

Romania
 YP3A– S 1069980 795 1303 510
 (Op. YO9GZU)

YO9WF „ 364364 431 647 338
 YO2ARV „ 11232 104 0 108
 YO4AAC L 106400 199 409 175
 YO6BHN „ 69504 176 186 192
 YO3BWK „ 36330 173 0 210
 YO2QY „ 15392 104 0 148
 YO9FYP „ 5412 66 0 82
 YO2CJX „ 3330 45 0 74

Scotland
 MM/
 PA0INA/P L 960 30 10 24

Serbia & Montenegro
 YU7CB L 864722 822 932 493
 YU1EQ „ 57902 262 0 221
 YU1ZZ „ 50874 141 137 183
 YU7KM „ 49932 219 0 228
 YU1PJ „ 38988 146 82 171
 YU7LS „ 36966 183 0 202
 YT1RA „ 34000 250 0 136
 YU1EW „ 10900 69 40 100
 YU1AAX „ 286 11 0 26
 YZ1V M 119305 240 295 223
 YU1RS–1066 W 110484 297 0 372

Sicily
 IT9ORA L 65016 171 173 189

Slovakia
 OM7M S 1294065 1008 1227 579
 (Op. OM5ZW)
 OM7YC „ 2650 53 0 50
 OM8ON– L 226404 329 355 331
 OM7CA „ 106140 349 17 290
 OM8DD „ 75600 191 145 225
 OM3DX „ 46662 231 0 202
 OM7AG „ 20298 84 115 102

Slovenia
 S58A S 1460634 1116 1398 581
 S57DX „ 1172264 825 1391 529
 S51TA „ 570964 594 802 409
 S58MU L 29640 101 159 114
 S59W „ 7920 66 0 120
 S57NL „ 4320 60 0 72

Spain
 EA5FID S 363608 511 546 344
 EA1WX „ 19118 158 0 121
 EA5EOH „ 16920 120 0 141
 EA4DRV L 56056 205 159 154
 EA1AK/7 „ 29346 172 29 146
 EA4DUT „ 814 22 0 37

Sweden
 SM6CNN S 551205 521 840 405
 SM3W „ 9900 90 0 110
 (Op. SM3W MV)
 SM7EH „ 9858 93 0 106
 SM6WQB „ 1820 35 0 52
 SM6BSK L 46706 173 69 193
 SM7BJW „ 11200 100 0 112
 SM/DL1BBO „ 8624 77 0 112
 SM6D „ 3024 56 0 54
 SM5ARR „ 936 24 0 39
 SM4/DK7AN „ 64 8 0 8

Switzerland
 HB9CF– S 89052 201 342 164
 HB9ARF L 99912 313 49 276
 HB9AYZ „ 3328 38 26 52

Ukraine
 UT7QF S 1222782 843 1291 573
 UT5UGR „ 1216430 750 1612 515
 UW5Q „ 1145788 800 1314 542
 (Op. UR3QCW)
 UT3UA „ 925848 729 1275 462
 UY0ZG „ 340800 472 328 426
 UY5ZZ „ 61047 187 136 189
 US0QG „ 2400 50 0 48
 UW2F L 189588 301 431 259
 (Op. UT0FT)
 UT5ECZ „ 141588 294 219 276

UY5TE „ 131345 223 322 241
 UR7EQ „ 75538 188 234 179
 UT8IT „ 51731 150 139 179
 UR3MP „ 14560 112 0 130
 UZ2H „ 4664 53 0 88
 (Op. UT5HA)
 UT1IWA „ 3792 48 0 79
 UR3PDM „ 1620 36 0 45
 UX7QD „ 396 17 16 12
 UU7J M 1801275 1093 1462 705
 UT1ZZ W 2450 38 12 49

Outside Europe

Alaska
 KL7HF S 36034 203 216 86

Antarctica
 DP1POL S 384 14 10 16
 (Op. DL5XL)

Argentina
 LU5FC S 956754 1156 1155 414
 LU1DZ „ 54389 197 200 137
 LU7EE L 240672 432 440 276
 LU1EWL „ 52269 202 197 131
 LY0F M 1274115 1453 1476 435
 AU4FM „ 1067136 1166 1216 448

Aruba
 P43JB S 47500 250 0 190

Asiatic Russia Call Area 0
 RA0AM S 276529 522 571 253
 UA0AGI „ 104536 284 300 179
 RW0UM L 138537 368 365 189
 RA0JX „ 180 10 5 12
 RZ3BY/Ø W 1082560 1280 710 544
 RU0SN „ 301240 447 233 443

Asiatic Russia Call Area 9
 RG9A S 2074622 1955 2027 521
 (Op. UA9AM)
 RA9SG „ 1053785 1253 1262 419
 UA9JKA „ 849660 1247 1252 340
 RU9CL– „ 774906 1090 1099 354
 UA9SP „ 713815 936 899 389
 UA9FM „ 159470 452 410 185
 RU9WX „ 122844 409 297 174
 UA9CLB „ 98500 250 250 197
 UA9CBO– „ 44304 141 143 156
 RZ9IR „ 36720 135 120 144
 UA9CDC– L 1219733 1341 1328 457
 RX9FB „ 633080 912 950 340
 UA9AFA „ 553444 836 831 332
 RX9AF „ 455139 950 923 243
 RU9DD „ 398610 763 782 258
 RX9TX „ 365184 634 634 288
 RK9CR „ 148610 385 385 193
 UA9OA „ 103182 296 297 174
 UA9FGJ „ 77532 288 258 142
 RN9XA „ 16050 161 160 50
 RF9C M 1151944 1238 1250 463

Australia Call Area 2
 VK2QF S 2992 47 41 34

Australia Call Area 4
 VK4TT L 14656 113 116 64

Australia Call Area 7
 VK7GN S 1551 27 20 33

Azerbaijan
 4K0CW– L 1172556 1376 1396 423
 (Op. DL6KVA)

Bangladesh
 S21YY L 11284 105 112 52
 (Op. JF1EQA)

Bermuda
 VP9/IK2RZP L 15616 117 127 64
 (Op. IK2RZP)

Brazil Call Area 2
 ZX2B S 110896 232 246 232
 (Op. PY2MNL)
 PY2NY L 583100 838 828 350

Brazil Call Area 3
 PY3AU L 8268 53 53 78

Brazil Call Area 4
 PY4FQ L 23052 118 86 113

Brazil Call Area 5
 PY5EG S 5940 44 55 60

Brazil Call Area 7
 PY7ZY S 42340 174 191 116
 PR7AR L 107334 261 273 201
 PY7IQ (Op. PY2IQ) „ 93240 247 257 185
 PY7EG „ 56994 322 0 177
 PP7CW „ 1053 27 0 39

Canada Call Area 1
 VE1ACU S 88608 213 203 213
 VY1JA „ 3838 52 49 38

Canada Call Area 2
 VY2ZM S 1414942 1582 1612 443
 (Op. K1ZM)
 XM2AWR L 54604 187 187 146
 VE2HLS „ 2508 31 35 38

Canada Call Area 3
 XM3AT– S 1202997 1454 1473 411
 (Op. VE3AT)

VE3KZ „ 510980 867 895 290
 VE3RM „ 267300 497 493 270
 VE3EJ „ 18286 113 110 82
 VE3DZ L 601002 864 873 346
 VE3XD „ 115584 298 304 192
 VE3NE „ 75632 237 227 163
 VE3IAY– „ 22256 105 103 107
 VA3XRZ „ 15456 85 83 92
 K2NV/VE3 „ 7315 59 36 77
 VA3HUN „ 480 20 0 24

Canada Call Area 5
 VE5SF L 1568 29 27 28

Canada Call Area 7
 VA7ST L 3502 52 51 34

Canada Call Area 9
 VE9DX L 156832 337 339 232

Costa Rica
 TI3M S 263328 620 628 211
 (Op. TI3TSL)

Cyprus
 P3F S 2299296 2221 2235 516
 (Op. 5B4AGN)
 H2G L 2091320 1926 1954 539
 (Op. 5B4AGC)
 5B4AHA „ 1219344 1333 1341 456

Egypt
 SU9US L 341334 904 902 189

Georgia
 4L8A S 2169884 2102 2039 524

Hong Kong
 VR2BG S 122800 307 307 200

India
 VU2UR S 42054 157 169 129
 VU–
 Ø02Ø W 34300 140 0 245

Indonesia
 YB0AJR S 1326 27 24 26
 YB0ECT L 224874 564 397 234
 YB0DPO „ 198656 506 518 194
 YC3MM „ 12 3 0 4

Israel
 4X1VF S 8652 103 0 84

Japan Call Area 1
 JA1YNE S 417569 964 1015 211
 JH1AZO– „ 63726 266 293 114
 JA1BNW „ 16896 176 0 96
 7J1ABD „ 1020 30 0 34
 JA1AAT „ 108 9 0 12
 JM1NKT L 128164 352 364 179
 JR4PMX/1 „ 85624 306 310 139
 JA1BPA– „ 33899 150 161 109
 (Op. JA6–933Ø)
 JE1COB „ 9540 79 80 60
 JP1SRG „ 7350 52 53 70
 JA1CP „ 1710 45 0 38
 JH1PXY „ 196 10 4 14
 JL1GJE „ 160 10 0 16
 JL1LNC „ 50 5 0 10

Japan Call Area 2
 JA2ZJW S 30590 220 217 70
 JA2FSM– „ 25254 106 101 122

JA2AXB „ 14616 86 88 84
 JA2BOX „ 3040 36 44 38
 JA2KCY „ 2774 36 37 38
 JA2KKA L 20696 110 89 104
 JA2VZL– „ 5561 43 40 67
 JO1RUR/2 „ 2494 43 0 58
 JK2VOC „ 2 1 0 2

Japan Call Area 3
 JO3AGQ L 42 7 0 6
 JA3YBK M 1137616 1435 1497 388

Japan Call Area 4
 JR4GPA L 136344 486 502 138
 JE4MHL „ 103968 358 364 144
 7L4IOU „ 1760 28 27 32
 JI4PPK „ 638 29 0 22

Japan Call Area 5
 JA5APU S 137314 479 488 142

Japan Call Area 6
 JA6OLZ S 167425 456 449 185
 JA6SRB L 8468 75 71 58
 JA6ODU „ 24 4 0 6

Japan Call Area 7
 JA7IC S 320536 762 794 206
 JA7DLE „ 291496 873 883 166
 JA7NVF „ 281324 667 660 212
 JH7VHZ/7 L 13780 137 128 52
 JN7OJA „ 3984 41 42 48
 JF7GDF „ 12 3 0 4

Japan Call Area 9
 JA9CWJ S 112992 422 434 132

Jordan
 JY9OJ S 1178520 2135 0 552
 (Op. DK3QJ)

Kampuchea
 XU7ACU M 522396 1056 1017 252

Kazakhstan
 UN9LW S 250415 785 0 319
 UN6G L 590668 878 870 341
 UN7CZ „ 352836 732 726 242

New Zealand Call Area 2
 ZL2BR L 61577 223 220 139

New Zealand Call Area 6
 ZL6QH M 584545 963 992 299

Nicaragua
 H7A L 70835 232 225 155
 (Op. YN4SU)

Oman
 A45WD L 1129856 1388 1134 448
 (Op. YO9HP)

Singapore
 9V1YC S 77604 326 343 116

South Korea
 HL5UOG S 12096 105 84 64
 HL1/WX8C L 108675 337 338 161
 DS1CCU „ 8236 116 0 71
 DS5KJR „ 2655 30 29 45

Sri Lanka
 4S7NI L 18 3 0 6

Thailand
 HSØZDZ S 530265 825 712 345
 E21CJN „ 176576 712 0 248
 HS4BPO/9 L 54496 244 280 104
 E21EIC „ 28196 134 132 106
 E2ØHHK „ 2800 50 20 40

Turkey
 TA3DD L 1258666 1382 1319 466

United Arab Emirates
 A61AR– S 2004480 1997 1918 512
 (Op. RV6LNA)

United States Call Area 0
 KØ0UA S 58487 205 204 143
 KØDEQ „ 36784 151 153 121
 NØAT– „ 4560 48 47 48
 KU1CW/Ø L 196736 454 474 212
 KØKX– „ 34048 133 133 128
 KØVSV– „ 29480 134 134 110
 KØØM „ 8352 96 0 87

Table with 4 columns: call sign, number, and two other columns. Includes call signs like KOCIE, W0ETT, WB0YJT.

United States Call Area 1

Table with 4 columns: call sign, number, and two other columns. Includes call signs like K1TTT, W1ZM, K1W, N4CV/1.

United States Call Area 2

Table with 4 columns: call sign, number, and two other columns. Includes call signs like N2ED, W2AX, K2UOP, K2NV.

United States Call Area 3

Table with 4 columns: call sign, number, and two other columns. Includes call signs like K3CR, AA3B, W3BP, K3WW.

United States Call Area 4

Table with 4 columns: call sign, number, and two other columns. Includes call signs like N4AF, KD4D, K4JA, W4MYA, K4LTA.

United States Call Area 5

Table with 4 columns: call sign, number, and two other columns. Includes call signs like K5MA, K5ZD, K5KG, N5ZK.

United States Call Area 6

Table with 4 columns: call sign, number, and two other columns. Includes call signs like N6NT, N6ZZ, K6TA, W6NKR.

Table with 4 columns: call sign, number, and two other columns. Includes call signs like N6NF, K6III, WN6K.

United States Call Area 7

Table with 4 columns: call sign, number, and two other columns. Includes call signs like K7GK, N7EIE.

United States Call Area 8

Table with 4 columns: call sign, number, and two other columns. Includes call signs like K8JQ, N8II, K8AJS.

United States Call Area 9

Table with 4 columns: call sign, number, and two other columns. Includes call signs like N9RV, W9JB, W9RE.

Uruguay

Table with 4 columns: call sign, number, and two other columns. Includes call sign CX7BY.

Uzbekistan

Table with 4 columns: call sign, number, and two other columns. Includes call sign UK/JI2MED.

Disqualification

- none -

Station Operators

AYOF: LU1FAM, LU1FGE, LU1FKR; DAOCB: DK3WW, DK4WW, DL7VZF, DL8UNF, DG6INK; DAORUD: DL1AOK, DL6AMA; ((DAOSAX: DLSYM, DE2BWE; DAOYFD: DL4NER, DL5NDX, DL6FBL; DFOCG: DB6JG, DJ7EO, DK2OY, DK6WL, DL5KUT, DL6RAI, DO1ET, OK1DX; DFDGX: DJ1YFK, DL2OAP, DL2OBF, DL1AWI, DL5AWI, DL9AWI, DF8XC, DK1QH; DH2DAM: DH2DAM, DH8DAP, DE9FO, DH8DAP; DH8DAP, DH2DAM, DL5DCQ, DE9FLO; DJ3XK: DJ3XK, DK6HA; DKOMV: DL6UKW, DL8UJWE; DK8MCT: DK8MCT, DF5CB, DL1MDY; DL0BOP/P: DL4DZ, DF2CH, DJ6QS, DL2DBX, DL3FM, DK4DC, DK7DV, DL8DBJ, DL9GS; DL0EKO: DL4SL, DL8UKE; DL0ES: DH8DAP; DL0LSW: ?; DL0MB: DF2IY, DF2UU, DJ5IR, DK8IP, DK9IP, DL3YBM, DL7UIO; DL0MUE: DK8RE, DL6UAA, DL6UFN, DL8UAT; DL0PDM: DL2RTJ, DL2RTL; DL0QS: DL8CS, SWL Irene; DL0SLZ: ?; DL0XM: DL3DXX, DL4MM, DL4WG, DL4LOM, DL5AXX, DL5LYM, DL8DYL, DL8WXP, DL9DRA, DE1DDH, DO2UDX, DL7URH; DL1MGB: ?; DL1UTE, DH9AR; DL5DCQ: DL5DCQ, DH9AR; DL8UCC: DL8UCC; DN1RGE: DE9FLO, DG3DCC; HG1S: HA1TJ, HA1DAE, HA1DAC, HA1DAI, HA1AG, HA3UU, HA3LN, HA1SN, HA1AV, HA1AR; HG6N: HA3OV, HA6ND, HA6PX; IR2C: IK2JUB, IK2PFL; JA3YK: JG3KIV, JI3OPA, JO3LDN, JH4NMT, JR4ISE, JF4FUF; K2NG: K2NG, K2TW, NO2R; LU4FM: ?; LX7I: LX2AJ, DL8SCG, DL4SDW; LY7A: LY1EE, LY2FN, LY2NK, LY2UF, LY3BP, LY3BS, LY4AA; M5X: ?; N3RD: N3RD, N3RS, W8FJ; OK5SWL: OK2WHG, OK2SWD; OL5DX: OK1KZ, OK2-5485; RF9C: RA9CMO, UA9CIR; RU1A: RW1AC, RV1AW, UA1AR, RA1AR, RA1AR; SP3HUU: ?; SP9KRT: SP9ADU, P9ZW; U07J: U02JQ, U04JMG, U05JIB, U00JBL, U00JM; W4DJ: W4DJ, K9VV; XU7ACU: M0GMT, DJ9AO; YL1ZS: YL2RM; ZY1V: YZ1ZV, YT1HA, YU1SB; ZL6QH: ZL1AZE, ZL2III, (DK1II), ZL2BSJ.

Checklogs

Many thanks to the following stations submitting checklogs: 3Z8Z, DK0UW, DL2AXM, DL7VMM, DL8UFO, G4KHM, HA3OD/1, HA5X, HSO/OZ1HET, I3/4Z4KX, IY2BNL, LZ1KP, OK1DSU, OK2BDF, PA3BFH, PY2DBU, PY7OJ, RA1TV, RU3AA, RV3DBK, SM0BDS/6,

SM0OGQ, SM6DUA, SM6X, SP1EGN/6, SP2HMT, SP3GTS, SP9GFI, SP9MDY, UA3AGW, UA3MDX, UA3MRC, UX1IL, W5AC, WA1Z, YO2RR, YO6ADW, YO8KOS.

Soapbox Comments

4KOCW: Had big fun although condx were not really good. 4S7NI: Merely succeeded in adding 4S7 to contest log books 4X1VF: Nice to be again in the EU test. I was very limited in time this year but tried to give the mult. Shalom. 9A2EU: Only 10 hours in the contest, but had fun. 9A4RX: lost some QTC'S due to PC problems... What to say. dont know how to beg - too much nil, ORU, sri no, etc. at least, enjoyed working DXs ... 9A7P: My first serious SO2R contest. Every year more and more begging for QTCs. Always fun! CU next year! 9H3TM: It's nice to be a multi, hi, big fun from Malta. AE4EC: Between the extreme noise at my location and home jobs that needed doing i was not able to make many contacts. CT1ILT: This year i participated in the contest instead of my father (CT1CJ) give him a break, hi. CX7BY: Trying to send the 1th QTC my computer locked !! Bad condx on Sunday, enjoy the Contest !! DF1IAO: Keine QTC empfangen DF3OL: Leider ging 10 m fast gar nicht. DH2URF: Ein Contest mit QTC-Verkehr einmalig! Leider dieses Jahr ohne 28 MHz. DJ2QV: peak temperature in shack was abt 38°C. DJ3XK: Sri, leider weder Computer noch Internetanschluss! Konnten die 100.000 Punkte nicht richtig einschätzen, hi. Zu spät in die Regeln geschaut! vy 73 Harry (age 80). DJ5JH: 10 QTCs von VY2ZM sind irgendwohin verschwunden. CT9.90 hat seine Tücken! DJ5MW: Congrats to all OPs who copied my weak signal produced by a 4 m long piece of rainpipe. DJ7ST: Angesichts der Hitzewelle über Europa erstaunlich wenig QRN und erfreuliche Schnäppchen auf 80/40 m auch mit <100 W. DK3JU: It was very interesting to work with low power 5 watts. DK4CU: 3 W out! DL0BO/P: Very hot contest with 40 °C in the tent in the shadow of the pyramide, but WAE for ever and all time again. DLOOS: No chance for stations in northern Germany: as in any years south german station had much better condx in this WAE. DL1BUG: Schlechtes Timing in diesem Jahr (Urlaubsrückreise) - aber ein wenig Contestluft wollte ich doch noch schnuppern - hi. DL1EK/P: First time WAE entry. Bad condx but fun wild qtc's. SU agn next year. DL1EL: More was not possible! In front of the radio i had all the time more then 30 °C. So i went with the kids to the swimmingpool and in the evenings in the garden. Next year i will be back with more time. DL1HCM: Klasse Contest, schade dass die Unterstützung durch CT nicht so gut ist. DL2AXM: Leider ist mit meiner Magnetantenne im Zimmer nicht viel DX zu machen. DL2RUG: Leider wurde meine Antenne durch einen Sturm zerstört. Mit Hilfsantenne ging es dann nicht mehr so gut. DL3DTH: Not my best contest: Lost some qtc's because of a hardwareproblem and had also a broken wire at my 80 m antenna... DL3KWF: Nach einer großen Familienfeier waren noch ein paar OSOs möglich... DL5EFB: Ich habe dieses Jahr noch weniger als sonst mitgemacht, da ich die Hitze von über 40 °C nicht lange aushalten konnte. Daher habe ich auch dieses mal keine QTC's aufgenommen. Ich konnte mich nicht konzentrieren. DL5KUD: Wechselhafte, aber nicht so schlechte Bedingungen wie erwartet. Hatte wieder viel Spaß, musste aber die Multies editieren, weil mein alter TR die neue Multiregel nicht kannte. DL6MHW: My first contest operating EU side and DX side simultaneously (W4/DL6MHW controlled via Internet). DL7VRG: War nicht einfach mit 100 W & GP! DL8CX: My first time entry in this contest; QTCs are a lot of fun; see you for the SSB part. DL8WX: It's even more fun when condx are down like this year! DM3PKK: Ein anspruchsvoller Contest. Bin nächstes Jahr wieder dabei! DP1POL: High geomagnetic activity (with an A index of 33 on Saturday) made most HF paths almost unusable in this part of Antarctica, so i could only use a brief 10 meter opening to give a multiplier to a few fellow contesters. CT1ILT even managed to copy text of my QTCs before the band died. Looking forward to the contests in October and November when the sun brings back the good openings on the higher bands to this continent. EA4DUT: Not too much time for my first WAEDC contest for i celebrated my birthday that weekend. ES4MM: Here: 1day-storm, rain, wind. 2day - clear, but poor condx. Thanks for my favourite contest!

F/DL1RNN: Hat mit K1, 3 Watt und 2 x 10m Dipol ganz gut geklappt. Trx: Elecraft K1, 3 Watt Ausgangsleistung ANT: 2 x 10 m Dipol, 3 m über Grund, als InvV, Enden nur 1 m über Grund. G3LHJ: Had fun for what time i could put to it-Contest fair 15 & 20 m best bands poor ants for LF bands. GU7X: I tried to work more multipliers this year, and this was successful. It's a great contest, but the hours are long for single operators. Perhaps we need a 24 or 18 hour section for old timers and people with families! Thank you to DARC and the WAE team. 73. HZG: Amplifier on 10 m failed at start of test, guess it was the worst band anyway. Contest a lot of fun as usual. Another 4 multi on 10 m would have put me in the record book! HB9AYZ: Nur sporadisch mitgemacht. Lausige Bedingungen. I3/4Z4KX: It was fun to make some QSOs from europe with antenna inside the room. IK0YVV: Great fun, better than expected condx, too much SRI's, NILS, ORUs answers at QTCs requests. I had to take some unprogrammed rest time that caused me not to achieve the 1 mega point target, just 30hrs on. Congrats to the committee for the rules, see u sn! IR2Z: I committed myself for the TOP 10 Europe: I think my score is not enough. WAE is very unique, there are QTCs! But what a pain to get those QTCs! A lot of: sri, ORU, NO, later, and whatever they can use to say no! But I was rewarded at last: nearly the end of the contest, while COing on 20 m, I was called by two W6, two W7 and KL7HF in a row! Isn't that good? The KL7 said the usual ORU. Half an hour later (2353Z) KL7HF called in again and said: "I have 6 QTC's, ORV?" Oh boys, how do you call this? I am a little pistol, a little more than nobody in the contest community!! Moreover, in the first hour of the contest, on 20 m, I was called by: 9V1YC, VY2ZM, ZL6QH, H7A! Hey, is the world going the other way round?? Propagation was good enough, but I couldn't hear any NA or SA on 10. And where were the JAs??? 80 m was good but noisy; 40 m was quite good; 20 m was very good and always open to somewhere; 15 m was floating and signals were mostly low; 10 m wasn't there for me: (! Thanks to all who called me and to all who copied my signal! More thanks to whom sent me also their QTCs!!). Cu next one. Bob, DL2WJ. IT9ORA: Boys don't delude you of my number of QSOs but I have had a good time, with the receipt of the various QTCs. I have been happy to have been useful in the multiplier towards those people that have asked me for OSY. JA1BNW: Rig: FT-1000 200 Watts Ant: TA-351. JA1BPA: It has been more than 15 years since I last participated in this contest. I only came back on the air this year, and enjoyed the good old atmosphere of this contest. JA1CP: Had an enjoyable time. JA2BQX: Trx nice contest. JA3YBK: On the evening before the Contest, A strong typhoon attacked my area. But, all of antennas were all right. We could enjoy contesting. JA9CWJ: WAEDC is my favorite contest. See you next year. JO1RUR/2: I operated this contest from my car. JO3AGG: My first entry had a great time. JP1SRG: Condition was not so good. Only 7 hours operation but could enjoyed fairly. KOVSV: Unassisted. K1GU: The QTC makes this contest a barrel of fun. I am sorry i did not have enough QTC to pass to all who i asked. K2NV/VE3: I put our boat on autopilot while my XYL was on watch and operated as we crossed Lake Ontario and entered US waters. When I returned home I then operated from K2NV. A great contest for improving your CW skills! K3DI: WAEDC/WAG results booklet here 1 august. Great publication! K3MD: Portable operation with FT-100D, TH3JR on 50 feet and military porta-tower. Moving in 3 months. All the best to all! K3NEK: I had no luck with 10 m again this year. I really enjoy the QTC part of this contest. K4IU: Great fun, thanks again to the contest committee K4JA: Great contest. See you next year. K4LTA: Thank you and I enjoyed your contest and TR log has made it possible for me to send QTCs. K4SV: Short but sweet. K4YKZ: My first WAE contest without any directional antenna and without an amplifier. Sometimes it took some patience on both ends of the QSOs, but worked everything I heard except the TA1 and 3A stations. Too bad Sunday's propagation was poor. K5ZD: No packet! Better conditions than I expected. Happy to work EU on 10m on Sunday. K6CSL: ICOM-707 running 100 Watts through an MFJ-949E antenna tuner to a wire loop 8.2 m wide and 3.7 m high, mounted on TV standoffs on the back wall of my mobile home. I live in an antenna restricted mobile home park. Thank you for this opportunity to test this small station in your WAE contest.



49th European DX Contest (WAEDC) SSB 2003

Results by Bernhard Büttner, DL6RAI (dl6rai@dxhf.darc.de)

WAE-DX-Contest Team: DF9LB, DH1NHI, DH4SBO, DL1MGB, DL2LAR, DL2NBU, DL3DXX, DL4RDJ, DL6MHW, DL7MAE, DL8WPX, DL8WX, DL9NDS

Continental Winners

Single Operator	
Africa	ZS9Z
Asia	5B4/UA9CLB
Europe	RW1AC
North America	K1TTT
Oceania	9M6A
South America	9Y4TBG

Single Operator/LP	
Africa	3XY1L
Asia	4X0T
Europe	LY5A
North America	W0YR/4
Oceania	YB0WWW
South America	ZX2B

Multi Operator	
Africa	-
Asia	RW9HZZ
Europe	DF0HQ
North America	K4JA
Oceania	ZL6QH
South America	ZW5B

SWL Category	
Africa	-
Asia	JA6-9330/1
Europe	UA3-170-847
North America	-
Oceania	ZL200ISWL
South America	-

Results by Country

Certificate winners are in bold print. Groups behind callsign denote DOK (Germany only), category, score, QSOs, QTCs and multiplier. The abbreviated categories are: S = Single Operator; L = Single Operator/LP; M = Multi Operator; W = SWL Category. A dash '-' after the callsign indicates that packet spotting was not used („Unassisted“).

Europe

Albania
ZA/UT7DW L 16074 115 26 114

Austria
OE6Z S 1757568 1246 1142 736
OE4WWL- „ 1794 39 0 46
OE1TKW „ 238 7 10 14
OE500786 W 27716 164 0 169

Balearic Is.
EA6/DL6KAC- S 14756 57 181 62
EA6AZ- L 128 8 0 16

Belarus
EU6DX L 2808 52 0 54

Belgium
ON6NL L 337136 382 727 304
ON4ADZ- „ 122094 253 393 189
ON4KVA „ 810 27 0 30
ONL383 W 123606 260 67 378

Bulgaria
LZ1NG S 84744 304 338 132
LZ2UZ L 47425 130 141 175
LZ4JU- „ 24384 91 101 127
LZ2SX „ 15990 130 0 123
LZ9W M 1914759 1437 1326 693
LZ1-H-192 W 135054 295 74 366

Croatia
9A3TU L 17420 130 0 134

Czech Republic
OK1VD S 87318 197 244 198
OK2ABU „ 32292 165 69 138
OK1DVK „ 13923 91 0 153
OK1DRQ L 175380 233 507 237

Top Scores

Call	Score	QSOs					QTCs	Multipliers				
		80	40	20	15	10		all	80	40	20	15

Top Ten Single Operator

Europe														
RW1AC	2103990	67	314	703	310	11	1405	1605	140	219	170	150	20	699
GW7X	2038160	93	214	989	634	9	1939	1551	108	138	172	152	14	584
OE6Z	1757568	80	295	374	466	30	1246	1142	128	198	190	182	38	736
ES5TV	1730862	80	324	611	341	11	1367	1027	144	231	166	166	16	723
S57DX	1654780	63	281	512	243	24	1123	1546	84	180	190	138	28	620
LY2J	1646504	33	214	505	354	8	1114	1612	76	180	186	156	6	604
S53M	1626210	24	267	743	429	22	1485	1368	52	162	180	148	28	570
UT7QF	1329120	25	144	373	338	37	917	1163	64	171	188	164	52	639
UW5Q	1089360	17	239	402	231	22	911	1225	36	180	156	110	28	510
RK4FF	1056400	14	151	519	332	5	1021	1203	32	153	158	122	10	475

Top Ten Single Operator

Outside Europe														
9Y4TBG	2268450	131	720	732	911	25	2519	2522	120	126	94	98	12	450
5B4/UA9CLB	2154682	163	338	921	804	82	2308	2010	140	129	96	94	40	499
RG9A	2047950	142	453	794	898	1	2288	2263	140	126	94	88	2	450
JY9QJ	1871532	154	335	765	806	66	2126	1873	148	108	90	86	36	468
K1TTT	1625481	59	209	998	666	0	1932	1929	104	123	98	96	0	421
VE3AT	1605189	70	391	740	850	0	2051	1780	116	111	96	96	0	419
KD4D	1508819	79	138	847	827	0	1891	1710	120	99	100	100	0	419
K3CR	1458120	102	161	692	799	0	1754	1726	124	105	94	96	0	419
W4MYA	1322780	81	82	686	966	0	1815	1666	108	84	90	98	0	380
J13OPA	917800	31	200	516	695	2	1444	1380	60	87	84	90	4	325

Top Ten Single Operator/LP

Europe														
LY5A	1332318	37	180	355	220	24	816	1602	92	159	154	120	26	551
CQ0T	1107400	31	111	650	363	20	1175	1275	76	102	140	110	24	452
I3MLU	1092144	16	81	460	297	35	889	1349	40	108	158	148	34	488
YU7CB	900144	19	191	461	290	12	973	813	44	144	176	120	20	504
YF0X	690150	24	113	247	163	18	565	1040	60	120	132	98	20	430
DF7YU	635531	17	40	223	211	34	525	1052	36	81	130	120	36	403
DL6MHW	516203	21	38	129	144	15	347	980	52	87	128	104	18	389
EA3BO	428348	19	138	249	164	18	588	650	36	108	88	96	18	346
DJ9MT	379478	12	30	128	127	14	311	723	40	81	128	102	16	367
ON6NL	337136	7	18	150	189	18	382	727	20	42	108	112	22	304

Top Ten Single Operator/LP

Outside Europe														
4X0T	731688	59	105	403	508	3	1078	1049	96	78	80	84	6	344
RU9DD	719910	56	171	360	469	0	1056	1049	80	96	92	74	0	342
ZX2B	610885	0	52	238	440	222	952	963	0	75	82	86	76	319
4M4C	519250	36	102	327	305	0	770	780	80	93	82	80	0	335
W0YR/4	455175	0	70	473	339	0	882	903	0	93	84	78	0	255
VE3DZ	363636	8	33	389	288	0	718	725	20	60	88	84	0	252
UA9ACJ	344560	76	125	203	186	0	590	590	96	78	66	52	0	292
H13TEJ	273504	11	169	390	354	0	924	0	40	102	76	78	0	296
VE3XD	255024	11	38	246	250	0	545	559	32	57	74	68	0	231
UA9HN	181545	0	73	277	120	1	471	460	0	69	64	60	2	195

Top Six Multi Operator

Europe														
DF0HQ	4143595	148	361	819	832	29	2189	2096	196	231	240	242	58	967
DK0MN	3337423	44	307	775	781	28	1935	2242	108	219	218	214	40	799
HG6N	2869740	82	242	804	723	27	1878	1974	128	171	202	200	44	745
HG1S	2311585	53	334	745	564	28	1724	1491	116	177	192	200	34	719
DL0CS	2262424	50	345	659	494	13	1561	1551	96	207	210	190	24	727
LY9Y	2219238	53	289	651	467	22	1482	1596	116	207	194	168	36	721

Top Six Multi Operator

Outside Europe														
K4JA	1967880	163	226	710	1088	3	2190	2088	148	114	92	100	6	460
ZW5B	1718712	19	299	517	953	203	1991	1951	68	120	88	94	66	436
RW9HZZ	1120688	39	425	700	390	9	1563	1585	60	120	86	82	8	356
LS1N	996672	6	98	450	631	213	1398	1386	24	90	88	90	66	358
ZY2A	786472	0	30	468	744	199	1441	1216	0	60	84	92	60	296
LR1F	785220	19	59	276	608	187	1149	1127	44	81	80	80	60	345

Top SWL Category

Europe														
UA3-170-847	1737888	153	529	748	816	0	2246	280	172	228	156	132	0	688

Top SWL Category

Outside Europe														
JA6-9330/1	36907	0	18	122	71	0	211	10	0	33	76	58	0	167

OK6A		162554	253	430	238	OK1CJN	„	3640	52	0	70	OK2-9329	W	28985	187	0	155
(Op. OK2CMW)	„	945	27	0	35	OK2BWC	„	600	15	10	24	OK1-11861	„	5324	44	0	121
OK1MNV-	„	53544	166	110	194	OK1OPT	„	10988	82	0	134						
OK1KZ	„	10988	82	0	134	(Op. OK1JOC)		6222	61	0	102	Denmark	S	87768	173	145	276
OK2BEN	„	6222	61	0	102	OL5DX	M	3927	51	0	77	OZ5EV					

OZ7AEI	L	330	15	0	22	DL6UAA-	Y43	216108	300	483	276	DL0DK	F36	11715	39	126	71	PA50	"	8360	88	7	88		
OZ5E	M	184052	517	0	356	DL9EE	M11	201840	249	447	290	DL4DRA	"	11556	98	10	107	PA0KDM	"	6177	71	0	87		
England						DL9NDS	B06	183306	271	398	274	DJ2QV	O32	4360	31	78	40	PA0ADP	"	5548	73	0	76		
G3UFY-	S	76300	164	272	175	DL3AWB	X45	143704	216	352	253	DA0RUD	X24	3306	40	17	58	PA0LSK	"	4992	70	8	64		
G0MTN	"	73062	144	450	123	DL2RL	"	128454	199	343	237	DF0IC/P	I41	3060	51	0	60	PE2GER	"	4680	78	0	60		
G3VAO	L	1764	21	28	36	DJ1OJ	C25	117200	199	387	200	DL4HBA	E39	1408	32	0	44	PA3GGW	"	2352	42	0	56		
M4U	M	288496	730	258	292	DL7VZF	Y28	108419	177	422	181	DL1EUC	O32	1080	30	0	36	PG2D/P	"	2100	50	0	42		
Estonia						DL5MAE	C25	107910	131	523	165	DL0MRB	F15	944	15	44	16	PA9TT	"	768	24	0	32		
ES5TV	S	1730862	1367	1027	723	DL8UAT	Y43	96348	193	325	186	DF4AJ	H04	992	24	0	33	Norway							
ES1AJ	"	159786	363	175	297	DJ9MH	B10	95580	135	455	162	DF4AO	H04	784	28	0	28	LA6FJA	S	97272	337	49	252		
(Op. ES1A)						DL1DTC	N26	93312	324	0	288	DLOAU	T01	640	20	0	32	LA1VKA	"	8496	58	60	72		
ES8SW	L	1462	34	0	43	DK5LO	M11	92442	202	232	213	DF0SI	T01	368	16	0	23	Poland							
European Italy						DL0GL	L03	89782	210	373	154	DL0SE	O32	341	11	0	31	SP9LJD	S	635964	953	923	339		
IKOYVV	S	516683	701	788	347	(Op.DL2VB)						DL6DMJ	O32	70	7	0	10	SP6EKS	"	44640	248	0	180		
IZ5EBL	"	5688	79	0	72	DL9FBF	F16	88360	188	282	188	DG5YHA	H04	8	2	0	4	SP6IEQ	"	10506	103	0	102		
I3MLU	L	1092144	889	1349	488	DL6FBR	F16	72800	165	251	175	DL1OBF	H04	0	0	0	0	SN5N	"	6240	120	0	52		
(Op. IZ3EYZ)						DK3RA	V10	70015	144	191	209	DE2EZF	Y24	162435	348	247	273	(Op. SP5KPK)			5664	59	0	96	
IL4G	"	98880	409	71	206	DL3AMA	X06	61138	141	256	154	DE0MBS	X09	131864	226	198	311	SP2LLO-	"	2538	47	0	54		
(Op. IZ4DJZ)						DL4RCK	U13	52705	111	304	127	Finland						SP4AVG	"	1320	33	0	40		
IR2V-	"	45100	106	304	110	DM3HZN	S53	52374	196	105	174	OH4RH	S	190608	304	323	304	SP3FYX	L	153928	305	263	271		
(Op. IZ2WJ)						DK4MX	X35	52030	146	284	121	OH2LU	"	40716	154	80	174	3Z6V	(Op. SP6DVP)			45803	140	141	163
IK0EIE	"	14012	124	0	113	DJ9CS	M11	49136	143	153	166	OH6IU	"	12154	103	0	118	SP5GMM	"	35250	108	174	125		
IZ7EDQ	"	13570	118	0	115	DK7LA	M28	43844	159	67	194	OH6IO	"	108	6	0	18	SP9HZF	"	21904	148	0	148		
IO7J	"	8004	73	14	92	DL6JFT-	Y18	40320	135	145	144	OH6RC	L	6132	56	17	84	SP6FJ	"	20850	120	30	139		
(Op. IK7JWX)						DL8DXL	S22	34556	102	224	106	France						SP9EMI	"	13110	115	0	114		
IK2PFL	"	6820	52	58	62	DL6RBH	U20	34034	141	80	154	F5IN	S	51678	261	0	198	SP4XON	"	9016	98	0	92		
IK7FMQ	"	2337	41	0	57	DK4IO	A36	30179	103	190	103	F6KZC	L	124723	272	381	191	SP6EQZ/9	"	8772	60	42	86		
European Russia						DL5XJ	M30	25350	148	47	130	(Op. F8CUCG)						SP4GFG	"	6866	86	0	101		
RW1AC	S	2103990	1405	1605	699	DL1EL	F41	23684	104	87	124	F0FTB	"	6336	72	27	64	SP3BVI	"	7872	96	0	82		
RK4FF	"	1056400	1021	1203	475	DH6DAO	O17	23166	105	93	117	Greece						SQ8FEW	"	5698	77	0	74		
UA4FER-	"	306230	370	760	271	DK7FP-	L05	22204	100	144	91	SV1BFW	S	21250	125	0	170	SP2AYC	"	5548	76	0	73		
RW3GU	"	66450	167	276	150	DL9ABM	H07	21824	89	159	88	SV1XV	"	5940	47	63	54	SP4AAZ	"	4968	67	25	54		
RA1TV	"	384	16	0	24	DJ3JD	H03	21442	142	0	151	SV2AEL	L	10240	61	99	64	SP1MVG	"	4500	60	0	75		
RD4M	L	306936	371	673	29	DCL0BB	H24	19671	64	173	83	J48IS	"	1961	36	17	37	SP3XR	"	3498	53	0	66		
(Op. UA4LU)4						DJ6TK	E34	17028	73	125	86	(Op. DF3IS)						SP2DKI	"	2040	32	19	40		
UA3LHL-	"	142202	205	528	194	DJ3AK	H24	15606	64	89	102	Hungary						SP5ELW	"	1890	35	0	54		
RX3DCN	"	33891	146	91	143	DL1DBR	O17	14391	108	9	123	HG8Z	S	203224	420	112	382	SP7FBQ	"	48	4	0	12		
UA3SAQ	"	30315	101	114	141	DH2MA	A23	13284	99	24	108	HASOAA	L	96	8	0	12	SO6Y	M	393279	665	346	389		
RW6AH	"	17930	89	74	110	DL8ZAJ	"	13175	89	66	85	HG6N	M	2869740	1878	1974	745	SP3JHY	"	29575	145	24	175		
RA6CA	"	14136	72	114	76	DK8NI	B35	12753	98	19	109	HG1S	"	2311585	1724	1491	719	SP3KPN	"	10098	96	6	99		
RW3XZ	"	10379	97	0	107	DK6AY	"	12126	100	29	94	Ireland						SP9KRT	"	7410	58	20	95		
UA4CC	"	7696	68	36	74	DL8URJ-	Y43	10395	83	16	105	EI4CF	L	118976	298	118	286	SP3PKL	"	5400	60	0	90		
RA3DGH	"	5184	72	0	72	DH7LF	M11	9374	66	43	86	Kaliningradsk						SP20OLG	W	44928	216	0	208		
RW4FX	"	4608	64	0	72	DL1EV-	R04	9153	74	39	81	Latvia						Portugal							
RZ3VA	"	4266	45	9	79	DL6UWK-	Y43	8352	87	0	96	YL2LY	S	399627	430	677	361	CQOT	L	1107400	1175	1275	452		
RV3YR	"	768	24	0	32	DL5KUA	E09	7990	67	18	94	YL7A	"	365167	427	552	373	(Op. CT1ILT)							
UA4WLI	"	4	2	0	2	DG7RO-	"	7802	83	0	94	(Op. YL2GM)						Romania							
RL3A	M	1279136	1119	1153	563	DH8BM-	P57	6468	66	0	98	YL5W	L	180290	255	490	242	YR0P	S	659628	600	846	438		
RK3MWD	"	259233	392	475	299	DL4VAI	Z19	5850	71	4	78	(Op. YL2GN)						(Op. YO9HP)			10625	76	9	125	
UA3-170-847	W	1737888	2246	280	688	DA0SAX-	P51	5840	73	0	80	(Op. YL2GN)						YO7BGA	"	1968	41	0	48		
Fed. Rep. of Germany						(Op.DL1SBF)						YL1XN	M	16640	90	70	104	YO9WF	"	1872	28	20	39		
DL8QS	I45	S	471899	368	683	449	DL9AWI	"	5500	53	47	55	Lithuania					YO3IHI	"	112	7	0	16		
DJ1AA	H27	"	363804	441	553	366	DL5EBF	L20	5103	63	0	81	LY2IJ	S	1646504	1114	1612	604	YO3APJ	L	129280	319	321	202	
DK1MM	P17	"	253217	389	420	313	DL3BRA	Y16	4992	78	0	64	LY2OX	"	14800	111	74	80	YO4AAC	"	39396	92	310	98	
DF0CG	"	218160	488	592	202	DF5AU	X22	3744	43	35	48	LY3BU-	"	54	6	0	9	YO3CZW	"	29232	168	0	174		
(Op. DJ7EO)						DJ2DO	F16	3355	55	0	61	LY5A	L	1332318	816	1602	551	YO7ARY	"	6786	87	0	78		
DJ9RX-	I45	"	204104	245	578	248	DL4ANI	X06	3078	51	6	54	(Op. LY2PAJ)					YO4GNJ	"	5600	80	0	70		
DJ4PI	A36	"	190625	288	337	305	DK2WC	O04	2890	27	58	34	LY3BA-	"	132598	159	635	167	YO6QT	"	3422	59	0	58	
DL1FAA	X06	"	159075	291	234	303	DF2HL	E25	2832	33	26	48	LY1DT	"	83430	99	711	103	YO7LFV	"	1638	39	0	42	
DL0OS	I12	"	133515	291	354	207	DF0CG	G52	2695	55	0	49	LY2BVB	"	8611	79	0	109	YO6KNY	M	3960	66	0	60	
(Op. DJ1CW)							DH3MAY	"	2655	45	0	59	LY2BET	"	850	25	0	34	Slovenia						
DK8RE	Y43	"	114972	165	407	201	DL8HCO	E03	2640	30	30	44	LY9Y	M	2219238	1482	1596	721	S57DX	S	1654780	1123	1546	620	
DJ3ST-	A24	"	107486	167	279	241	DL5AOJ	X24	2340	40	5	52	LY7A	W	1796210	1151	1514	674	S53M	"	1626210	1485	1368	570	
DL8NFU	B10	"	57987	138	241	153	DL0EKO	Y13	2268	42	0	54	LYR-794	"	1550296	1084	654	892	(Op. S55OO)	"	14688	132	12	102	
DJ7BA	T19	"	51552	90	268	144	(Op. DH2UA)						Luxembourg						S1DIX	"					
DL4AWA	X06	"	48972	150	158	159	DL3AZI	X06	1050	30	0	35	XL7I	S	939471	950	903	507	Spain						
DL2NS	I45	"	45526	176	30	221	DF5BX	I37	1050	25	0	42	(Op. LX2AJ)	"	27090	210	0	129	EA5DFV	S	709721	886	667	457	
DL1PT	K15	"	43357	191	0	227	DL3AWI	X06	1026	27	0	38	LiXIC-	"					EA1DDO-	L	508080	977	191	435	
DF3RU	U15	"																							

Switzerland HB9OCR S 28684 143 59 142 L 390 15 0 26 Ukraine UT7QF S 1329120 917 1163 639 UW5Q S 1089360 911 1225 510 (Op. UR3QCW) UR0D S 660211 685 978 397 (Op. UT7DK) UY5ZZ L 184050 269 549 225 UYOMF S 27040 143 65 130 US6IMA S 5712 68 0 84 USSQSF S 1950 39 0 50 UT4PZ S 60 5 0 12 UZ4E M 443520 385 875 352

Wales GW7X S 2038160 1939 1551 584 (Op. GW4BLE) Yugoslavia YU1JW S 840886 1071 871 433 YZ9A S 0 0 1190 0 (Op. YU1AU) YU7CB L 900144 973 813 504 YT0X S 690150 565 1040 430 (Op. YT7AW) YU1EQ S 27448 120 68 146 YU7KM S 17780 127 0 140 YU1PJ S 520 15 5 26 YU7AJM M 41138 118 189 134

Outside Europe

African Italy IH9/IK4MED S 10030 118 0 85

Antarctica DP1POL- S 12383 143 60 61 (Op. DL5XL) EM1U L 2400 48 0 50 (Op. UT7UA)

Argentina AYOF S 912798 1346 1323 342 (Op. LU1FAM) LU7DW S 7182 73 60 54 L44DX L 32708 238 243 68 (Op. LW1DTZ) LU4DX S 14514 115 62 82 LU1ARV S 312 13 0 24 LS1N M 996672 1398 1386 358 LR1F S 785220 1149 1127 345 LO7H S 751980 1195 1070 332 LU1BJW S 60822 327 0 186

Asiatic Russia Call Area9 RC9A S 2047950 2288 2263 450 (Op. UA9AM) UA9CBO- S 387774 575 586 334 UA9CDC S 296904 538 530 278 RA9ST S 190910 558 565 170 RA9DA S 156919 403 370 203 RA9JR S 137370 362 361 190 RA9XU S 22050 225 0 98 UA9FGJ S 12006 107 100 58 RV9WP S 7524 99 0 76 RW9TA S 1824 34 23 32 RU9DD L 719910 1056 1049 342 UA9ACJ- S 344560 590 590 292 UA9HN S 181545 471 460 195 RK9CR S 179546 420 419 214 RN9RZ S 133400 457 463 145 UA9ORQ S 84747 342 347 123 UA9CUA S 64676 217 220 148 UA9XL S 18400 200 0 92 RZ9IB S 5412 64 59 44 RA9MJ S 2070 45 0 46 RA9KM S 780 26 0 30 RV9OM S 168 12 0 14 RW9HZZ M 1120688 1563 1585 356

Asiatic Russia Call Area 0 RZ3BY/O- S 233450 505 510 230 UA0ANW S 129454 385 381 169 UA0WL S 128925 474 481 135 RW0UJ S 16048 116 120 68 RU0AT S 10920 101 109 52 RA0BA S 416 13 0 32

Australia Call Area 7 VK7GN S 19866 152 149 66

Australia Call Area 8 VK8AA S 240 15 0 16

Azerbaijan 4K9W L 550 23 2 22

Barbados 8P6SH S 204927 416 407 249

Bermuda VP9/NOJK L 8 2 0 4

Brazil Call Area 1 ZW1M M 618412 985 972 316

Brazil Call Area 2 PY2KM S 191653 454 463 209 PY2GA S 62816 206 210 151 PT2FM S 4628 45 44 52 ZX2B L 610885 952 963 319

(Op. PYMNL) PY2LTY S 110880 327 333 168 PY2NY S 69300 212 208 165 PY2DA S 29900 159 166 92 PY2ZR S 21758 125 128 86 PY2NA S 11700 95 100 60 PY2GEC S 11580 97 96 60 PT2TF S 7626 61 62 62 YZ2A M 786472 1441 1216 296 PX2A S 668848 1263 1196 272 PX2W S 524205 880 885 297

Brazil Call Area 3 PY3PA S 10120 115 0 88 PY3FOX L 171296 424 424 202

Brazil Call Area 4 PY4DBU L 82440 232 226 180

Brazil Call Area 5 ZW5B M 1718712 1991 1951 436

Brazil Call Area 7 PY7ZY S 4488 52 50 44 PT7CB S 1440 30 0 48 PR7AB L 160474 379 400 206 PR7FN S 85050 239 247 175 PR7QI S 45859 201 178 121 PY7EG S 15996 124 0 129 PY7IQ S 2688 34 30 42 PR7AR S 2183 29 30 37

Brazil Call Area 8 PS8NF L 4368 78 0 56 PV8IG S 3920 46 10 70

Canada Call Area 2 VE2/DL7FER L 95550 261 264 182 VA2KSH S 432 18 0 24

Canada Call Area 3 VE3AT S 1605189 2051 1780 419 VE3RM S 498780 794 736 326 VE3KZ S 105184 343 349 152 VE3DZ L 363636 718 725 252 VE3XD S 255024 545 559 231 VE3WIB S 53392 284 0 188 VA3XRZ- S 27963 135 104 117 VA3PL S 18360 93 60 120 VE3NE S 6499 55 42 67 VA3IX S 3782 61 0 62 VA3HUN S 180 10 0 18

Canada Call Area 4 VE4YU L 19184 110 108 88

Canada Call Area 5 VE5SF L 34643 171 172 101

Canada Call Area 7 VA7DP L 140 10 0 14

Canada Call Area 0 VE/DJ6OZ L 484 22 0 22

Chile CE8EIO S 285936 643 645 222

Colombia HK3JJH S 81432 232 236 174

Costa Rica TI2KAC/8 L 23436 99 87 126

Cyprus 5B4/UA9CLB S 2154682 2308 2010 499

Djibouti J20RM L 12 3 0 4 (Op. DL2JRM)

Dominican Republic HI3TEJ L 273504 924 0 296

East Malaysia 9M6A S 245520 681 714 176 (Op. DL8OBQ)

Georgia 4L1DA L 11718 117 100 54

Hong Kong VR2BG S 11232 87 69 72

India VU3DJQ L 11256 116 85 56

Indonesia YB0AJR S 17108 136 52 91 YB0WWW L 6370 91 0 70 YB2DGR S 2016 56 0 36 INS-99 W 98 7 0 14

Iraq YI9T S 884800 1421 1107 350 (Op. S57CQ)

Israel 4X1HJ S 146160 521 494 144 4Z8NN S 4806 69 20 54 4X0T L 731688 1078 1049 344 (Op. 4Z5FI)

Jamaica 6Y4Y L 17168 116 0 148

Japan Call Area 1 JA1XPU S 576 24 0 24 JH1AZO- L 63840 237 243 133 JM1NKT S 52197 206 205 127 JH1UUT S 22188 121 137 86 JR4PMX/1 S 14475 107 86 75 JE1LFX- S 13760 109 106 64 JA1MZM S 11928 106 107 56 JG1VGX- S 9204 88 89 52 JA1KK S 5530 79 0 70 JE1COB S 2560 38 42 32 JH1RDU S 288 11 13 12 JR7HOD/1- S 160 10 0 16 JK1BI- S 144 9 0 16 JR1NKN S 32 4 0 8 JA1LBZ S 18 3 0 6 JG1GCO S 8 2 0 4 JA1YPA M 28764 209 214 68 JA9-9330/1 W 36907 211 10 167 JA1-3477 S 2277 23 0 99

Japan Call Area 2 JO2EHG S 670804 1258 1245 268 JA2BQX- S 11584 89 92 64 JH2BTM S 8384 67 64 64 JA2AXB S 7950 81 78 50 JG2REJ S 1224 36 0 34 J7N2UQC L 3388 57 20 44 JA2KKA S 1140 38 0 30 JA2GHP S 640 22 10 20

Japan Call Area 3 JI3OPA S 917800 1444 1380 325 JR3RIY L 27948 204 207 68 JA3PYC S 17954 97 94 94 JA3HPD S 1792 31 33 28

Japan Call Area 4 JH4UTP S 33388 243 248 68 JR4GPA L 30788 178 180 86

Japan Call Area 5 JA5APU S 26136 157 140 88

Japan Call Area 6 JA6ODU S 756 23 19 18

Japan Call Area 7 JA7NVF S 456722 973 946 238 JA7ADV L 1482 32 25 26

Japan Call Area 8 JA8JCR L 5200 60 40 52 JK8WBR- S 1856 32 26 32

Japan Call Area 0 JA0-4131 W 190 10 0 19

Jordan JY9QJ S 1871532 2126 1873 468 (Op. DK3QJ)

Kazakhstan UO7DG S 1404 34 20 26 UN6G L 90950 269 266 170

Kyrgyzstan EX2T L 77996 322 307 124

Mexico XE1V S 10164 76 78 66 XE2AC S 9700 90 7 100

New Zealand Call Area 2 ZL200ISWL W 24192 126 0 192

New Zealand Call Area 6 ZL6QH M 308716 714 652 226

Nicaragua H7A L 52026 194 183 138 (Op. YN4SU)

Puerto Rico KP4JRS L 1260 36 0 35 KP4JFR S 196 14 0 14

Republic of Guinea 3XY1L L 34998 173 134 114 (Op. UT1WL)

Singapore 9V1UV S 35599 191 176 97

South Africa Call Area 6 ZS6RAE- L 1015 29 0 35

South Africa Call Area 9 ZS9Z S 100380 380 337 140

South Korea HLI1/WX8C L 39911 199 174 107

Taiwan BW0IR L 39960 197 173 108 (Op. JP1RIW)

Thailand E21CJN S 45288 333 0 136 E21EIC L 3162 46 47 34

Trinidad & Tobago 9Y4TBG S 2268450 2519 2522 450 (Op. DL1MGB)

Turkmenistan EZ8CW L 72 6 0 12 EZ8-012 W 165 15 0 11

United States Call Area 1 K1TTT S 1625481 1932 1929 421 (Op. N2OW)

KC1F S 161738 607 600 134 KT1V S 129897 229 230 283 N1AU S 119756 305 306 196 W1GD S 111163 251 252 221 K1GU- S 57552 163 164 176 K1BV S 21060 120 114 90 N1API L 139104 480 486 144 KG1E S 128472 306 300 212 W1TO S 60888 177 177 172 K1CN- S 51508 156 160 163 W1OP M 653394 994 980 331

United States Call Area 2 N2ED S 98754 324 330 151 W200 S 74088 198 194 189 K2UOP S 43645 151 150 145 K2QPN S 1548 28 15 36 KA2BXH S 504 21 0 24 KA2D L 38054 183 176 106 N2LQQ S 4860 46 44 54 N2LEB S 1800 25 25 36 W2WB S 1260 20 16 35

United States Call Area 3 K3CR S 1458120 1754 1726 419 (Op. LZ4AX) K3WW S 735423 1111 1138 327 K3DI S 367030 632 638 289 N3RD S 247491 479 484 257 KO3F S 192560 583 577 166 AA3B S 142952 425 431 167 K3SV S 102883 260 257 199 NR3X S 6732 49 50 68 K3MZ S 780 20 10 26 W3HVQ L 118600 292 301 200 W3LL S 73485 194 151 213 WA3RHW S 21692 159 160 68

AE3M	..	8580	68	62	66
N3FNE	..	1440	30	10	36
WX3B	M	371460	614	616	302

United States Call Area 4

KD4D	S	1508819	1891	1710	419
W4MYA	..	1322780	1815	1666	380
K4BAI	..	113444	358	360	158
K4IU	..	14268	86	88	82
WOYR/4	L	455175	882	903	255
NF4A	..	107070	319	326	166
K4YKZ	..	66340	215	213	155
K4JAF	..	37881	207	0	183
N4MM-	..	29835	130	125	117
N4JED-	..	7564	69	55	61
AE4EC	..	4872	47	37	58
W4BGC	..	1026	27	0	38
N4GG	..	630	21	0	30
K4JA	M	1967880	2190	2088	460

United States Call Area 5

K5KG	S	132912	319	320	208
K5ZD	..	128928	276	268	237
W5GN	..	56471	182	197	149
W5AC	L	6384	58	56	56
(Op. NT5TU)					
K5WW	..	672	24	0	28

United States Call Area 6

N6AFA	S	37848	166	166	114
N6AA	..	24274	114	115	106
N6ZZ	..	10640	82	70	70
WN6K	L	14720	89	71	92

United States Call Area 7

N7GYD	S	185055	477	472	195
K8IA/7	L	31464	136	140	114

United States Call Area 8

KC8LTL	S	4900	49	49	50
W8VOS	..	8	2	0	4

United States Call Area 9

N9RV	S	781354	1144	1134	343
W9RE	..	351000	704	700	250
NX9T	..	109896	361	362	152
W9V9	..	93272	260	264	178
K9J-	..	33396	138	138	121
K9QVB/9	L	22590	125	126	90
W9IY/M	..	18	3	0	6

United States Call Area 0

K0DAT	S	9460	90	20	86
WB0YJT	..	5824	52	52	56
WA0MHJ	L	19840	128	120	80
K0CIE	..	15990	99	96	82
K0KK	..	14105	80	75	91
K0HW	..	12191	83	84	73
N0EYE	..	336	14	0	24

Venezuela

YV6BTF	S	12075	115	0	105
4M4C	L	519250	770	780	335

West Malaysia

9M2TO	L	120615	451	484	129
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Disqualifications

- none -

Station Operators

8S2F: SM2Lly, SM2ODB; **DA0FFO:** DF4AE, DL1BZA, DL2BWM, DL5BTE, DL7UGN; **DL0ARU:** DL1AQK, DL6AMA; **DD3DX:** DD3DX, DL5DAV, DK5DO; **DF0HQ:** DK7Y, DL1AUZ, DL3TD, DL4ALB, DL5ANT, DL5AXX, DL5YY; **DF0IC/P:** DK4BCE, DH1FY; **DF0PT:** DJ4MH, DK9BW, DL8BCU; **DF0SI:** DL8MDG, DL8MH; **DF0TX:** DJ1LD, DL7AT, DL5XV, DL1XAQ, DL4HG; **DF4AJ:** DF4AJ, DF4AK; **DF4AO:** DF4AO, DF4AM; **DG5YHA:** DG5YHA, DG6VHA; **DJ2QV:** DJ2QV, DL3YLE; **DJ3HW:** DJ3HW, DD6QN; **DJ7LH:** DJ7LH, DK1MBY; **DK0MN:** DH4SBO, DK6WL, DL6RAI, SWL-LEO; **DK5EZ:** DK4JT, DH1JY, DL4EBW, DL3EBX, DG3EX, DL8EAQ, DK5EZ; **DK8MCT:** DL1MDY, DK8MCT; **DL0AU:** DL1MGR, DG1MJS; **DL0CS:** DF1LG, DG8LAV, DL3LAB, DK2OY; **DL0DC:** DF2FM, DF3FH; **DL0DV:** DF0NP, DL0MFI; **DL0DX:** DL5JS, DL6EZ; **DL0HGW:** DF2TG, DC1ASK, DL7FBG, DF8DHG, DL9GMN,

DL3NSM; **DL0HN:** DL2SAX, DL3SKF, DL4SKF, DH5SM, DL5SDK, DK2ZO; **DL0MB:** DF2IY, DF2UU, DJ5IR, DK9IP, DL3YBM, DL7UIO; **DL0MRB:** DK7ZT, DN1ZV; **DL0SE:** DL2DAO, DL5DAV; **DL0SLZ:** DL5ASE, DL3ARK, DL2AMT, DK1AW; **DL1ECU:** DL1ECU, DK1DN; **DL1OBP:** DB7YAH, DL1OBF; **DL2RTL:** DL2RTL, DL3JAT; **DL4DRA:** DJ1YFK, DL4DRA; **DL4HBA:** DL4HBA, DO4LSR; **DL6DMJ:** DL6DMJ, DL5DCN; **DL8NAS:** DL8NAS, DL8NCR; **DL8UCC:** DL8UCC + TAPE; **HG1S:** HA1JT, HA1DAE, HA1DAC, HA1DAI, HA3UU, HA3LN, HA1SN, HA1SD, HA1AV, HA1AR; **HG6N:** HA1AG, HA2NA, HA3NU, HA3OV, HA6ND, HA6PX.; **JA1YPA:** JA1PEJ, JH1FDP; **K4JA:** K4JA, K9GY, KE9I, W3BP; **L07H:** LU7HN, LU7HF; **LRI1F:** LU5FC, LU5FD, LU1FS, LU1FZR; **LS1N:** LU1NDC, LU2NI; **LU1BJW:** LU8ADX, LU1BJW; **LY7A:** LY1FW, LY1NFK, LY2L, LY2KZ, LY2NK, LY3BS, LY3NUT, LY4AA; **LY9Y:** LY2CY, LY2TA; **LZ9W:** LZ1UK, LZ1UQ, LZ1Z, LZ2CJ, LZ2HM, LZ2JE, LZ2PO, LZ2UU, LZ3FN, LZ5VK; **M4U:** G0DVJ, M0ZZO, G4EY, G4WHK, 2E1XR, G3YYZ, G4FTP, G3FJ; **OL5DX:** OK2-5485, OK1KZ; **OZ5E:** OZ1ADL, OZ1XJ; **PX2A:** PY2LED, PY2VM, PY2SR, PY2EB, PY2JE, PY2TO; **RX2W:** PY2YU, PY2ND; **RK3MWD:** ?; **RL3A:** RX3DCX, UA3ASZ, RZ3AJD; **RW9HZ:** RZ9HG, RZ9IR, RZ9HT; **RW9HA,** RA9HTO, UA9HA; **SM4V:** SM4VPZ, SM4AI0; **SO6Y:** SP6JUD, SP6ML, SP6OPY; **SP3JHY:** ?; **SP3KPN:** SO3EPX, SP3GXU; **SP3PKL:** SP3VZO, SP3XBN; **SP9KRT:** SO9FVR, SP9ZV; **UZ4E:** UR7EU, US-E-601; **Y1OP:** K1PLX, N1WVQ; **WX3B:** WX3B, K1RH, W3JJH, KB3GHE; **YL1XN:** YL2HB, SWLs Folksberg, Auzina, Raginskis; **Y06KNY:** Y06ADW, Y06DBA; **YU7AJM:** 4N7TA, Y7XT, Andrej, Ivan, Stano; **ZL6QH:** ZL1AZE, ZL2BJJ, ZL2BSJ, ZL2CA, ZL2HLL; **ZW1M:** PY1KX, PY1NK; **ZW5B:** PY5EG, PF5JR, PY1KN, PP5WG; **ZY2A:** PY2BK, PY2EX, PY2MTV, PY2PT, PY2WB.

Checklogs

Many thanks to the following stations submitting checklogs: 4Z5OZ, 8S0W, AK2P, DF0BV, DG1BQC, DH2PL, DJ3VC, DL0VLA, DL1HHW, DL2EF, DL4NTC, DL5JMN, DL7CX, DL7LZ, DL7MAT, DL8AXJ, EA3BJM, EA4DXP, FS/IZ0EOU, HB0/DL2HYL, L07D, PA0B, PA0FAW, PA0FEI, PY2DBU, RA3DCT, RA9AU, SO2R, SP3SLD, SP8BRO, SP9CVY, SP9GFI, UA3DEE, UR0UL, UT2PX, UJ2JQ, UX1IL, Y06EZ, Y07DAA.

Soapbox Comments

4X0T: Not so good conditions in 10 m - I'm sorry.
8P6SH: First with the new force 12 C3E. **9V1UUV:** Band condx kept changing. 10 m was deadall thru.
9Y4TBG: This was my first time WAE outside EU. First I had my doubts to be too far away from EU, but I produced good signals in EU and I got good signals from EU. 10 m was a real challenge. I always heard the PYs working EU and I copied absolutely nothing. 15, 20 and 40 got my mainbands, in spite of my good signal on 10 m I had problems to get through the EU QRM (yes, you even have that problems in the Caribbean). In the first night I had no problems on 80 m even getting some LP/Dipole-Stations. In the second night I was forced to save my voice for sunday. On the whole it was a big fun and a great experience for me. Wished my Anja could follow me on this trip.
AE3M: Ich habe mich sehr viel Spaß bei diesem WAE gemacht, ob wohl bei meiner „leichteren“ Arbeitsbedingungen wäre ein Großgewinn eher nicht möglich. **AE4EC:** Conditions were better than expected but not enough operate time.
BW0IR: Very bad propagation on 28 MHz in my country. **CQ0T:** Operated 29.9 hours very few countries were active from DX, maybe because of Conditions. **DC1OBB:** Der erste DX-Contest, hat Spaß gemacht. **DF0TX:** Leider ging 10 m schlecht, aber ansonsten viel Spaß. Super Wetter und tolles Team! **DF7YU:** With the same RIG a big difference compared to Last years 2002 WAEDC SSB contest: only few qso on 10. no long runs to the us on 15 and 20. However double of last years 40 and 80 meters contacts. I wish many more stn would know how to exchange qtc. always big fun!
DG7RO: First WAE Contest-just for fun and it was fun with my station TS-850 + Monoband-Dipol(without balun!) + 80 W. No QTCs, but next

year with QTCs. **DJ1AA:** Only 3 QSOs on 80 m, what a bad result. I have to do a lot of work to build a better DX Antenna for the future contests.
DJ3ST: Hat wieder Spaß gemacht! Mit einem Computerlog kann ich leider nicht aufwarten, hoffe aber trotzdem in die Wertung zu kommen. Es wurde alles gewissenhaft überprüft. Mit über 70 Jahren ist man mit Computern nicht mehr so firm! Vy 73 und bis zum nächsten Jahr! **DJ7BA:** This year i could work only a fraction of the permitted contest time due to other obligations, but i enjoyed it anyway. **DJ9RX:** Der Süden hatte mal wieder die besseren Cond. auf 10/15/20 Meter, also Multiplizieren Sie mein Ergebnis mit 2... Hi. 73 de Hans. **DL0DV:** First try as multi op. Have to look for more multis! **DL0GL:** Letztes Jahr habe ich unter meinem Call mit 100 W und GP/W3DZZ mühelos mehr Punkte gemacht, als jetzt mit 100 W und 3-El.-Beam und Dipol. Man merkt deutlich die schlechteren Bedingungen.
DL0VLA: Wollte eigentlich mehr Punkte verteilen aber irgendetwas hat nicht gepasst - 73 Karl/Rentner! **DL2EF:** Als „Gelegenheits“-Contester mit ORP-Equipment macht es immer wieder Spaß, die ein oder andere DX-Station aus dem Pile-Up doch irgendetwas zu arbeiten. Dank den Operateuren auf der anderen Seite, für die es sicher nicht immer einfach ist, die schwachen Signale aufzunehmen. Apropos Contestprogramm. Wie schön wäre es, wenn der DARC auf seiner Homepage ein für diesen Contest zugeschnittenes Logbuchprogramm als Freeware dem Anwender zur Verfügung stellen würde, wie es zum Beispiel der Slovenia Contest Club anlässlich der European HF Championship tut. **DL5MAE:** It's the year 2003 and I am still logging with paper log. **DL6JFT:** Nobody answered my CQ-Call, so I had to graze. It was a hard job with my poor antennas. Congratas for this nice contest - till next year. **DL6MHW:** I used RCKLog for the first time. It plays very smooth for QTC handling. Conditions: Every body missed North America on 10. **DL8NAS:** Nach Starschwierigkeiten mit defekten Transceiver und dann auch noch einer defekten Antenne, konnte es dann endlich losgehen. Keine besonders guten Bedingungen, hat aber trotzdem wieder Spaß gemacht! **DL8OS:** better condx as in wae-cw. But 10 m in northern Germany was not open. Nice activities from DX! **DL8UCC:** Mein 2. OP war für die QTCs zuständig, hat aber kein call: Mein Tape. **DI1POL:** Conditions continue to improve as summer is slowly approaching in the Southern hemisphere, so I could enjoy nice 20 meter openings into Europe on both days of the contest after work. Some stations were obviously not using current country files. In one case it took a lengthy discussion and a lot of persuasion to finally convince the other operator that I was really not in Europe.
EA1DDO: My first WAE participation. At the beginning I had a computer time logging problem, but fixed latter. Generally it was great. New for me the QTC procedure but did it well. 10 meters band almost closed, just open for Sud America, other bands nice. See you next year. Thank you to everybody.
EA3BOX: Very good contest like every year!
EA6AZ: Just a couple of hours left for this one, sri.
EA4FC: Bands were quite good and 10 m was worth watching. **G0MTN:** More QSOs and many more QTCs than before. Still only a part time effort but glad to be a part of WAEDC! **G3UFF:** RIG - FT-1000MP + FL-2100Z antennas - Tribander (HF) + Loop (7 MHz) + Marconi (3.5 MHz) Some good scores heard, despite generally poor condx.
G3VAO: First time I have been in EU for this contest. Pity I was limited to only 1 hour I will be looking forward to next year **GW7X:** Third time using GW7X call from my home station in WAEDC SSB, hope to get another top-ten listing this year!
HB9VID: Someone has to be the last! 73, HB9VID **IK0YVV:** I've planned just few hrs, but I had more free time so about 30h on. Condx seems not so bad on 15 and 20, unluckly on 15 I had to use just a vertical due to high SWR on SSB portion by the beam, very poor antenna far on 40 and 80 so my main band has been 20m. I had fun, too many stations answered "no QTCs"... Tnx DARC team fr this nice event! See u sn! **IK0YVV** Marco. **IK7FMCQ:** Propagazione buona. Mo sono divertito.
IR2V: I have been in the SSB part for fun. Glad to be around to give out qso's and receive QTC's SSB people seems to be happier to give out QTC's than the CW ops. Is that because "speaking" is far a lot better than "keying"? Somebody seemed afraid, and quickly said: I give you, I give you! They surely remembered how "agressive" we have been in the cw run! hi! Cu next one. Bob, IZWIJ **IZ7EDQ:** Good contest for me! **JZ0RM:**

Zuviel QRL, zuwenig Leistung für SSB - man wurde einfach „überhört“. **J4BIS:** Schlechte Bedingungen vom Urlaubs-QTH aus. **JA1KMC:** QTC is nothing. **JA1YPA:** It was nice contest for me when doing qtc. I want to try next year again. **JA2BOZ:** Tnx nice contest. **JA8JCR:** Tnx fb contest.
JE1COB: Thanks a lot. **JG1VGV:** QTC rules are a lot of fun. I like this contest! Enjoyed with 50 watts and a long wire (only four meters long) plus ATU.
JH1UUT: No signals from EU on 28 MHz band. **JI3OPA:** This is my first WAE-SSB contest. Thanks to the audio samples, I enjoy QTC traffic very much. **JK8WBW:** It is the nice contest! **K1BV:** Many EU club stations very loud but did not hear many "little" stations. **K4JA:** We had great fun this year with new 80m 9-circle antenna. Check out all the details at K4JA.com **K4YKZ:** Thanks to all the patient stations that took my QTCs. Next year I hope the quad will be up again. **K5ZD:** Only 4 hours, but great fun! **K9JS:** Only S & P operation, after seeing the complaints about lack of QTC's in the CW contest, I offered what ever I had when I was asked. Maybe this made the OPs happier? No energy for FT effort, but wanted to do what I could. **KD4D:** Thanks to John Evans, N3HBX, for the use of his fine station. This was a lot of fun. I especially enjoyed working all of the new callsigns. High points included being called by SV9FBG and T77M for new countries! It seemed like no one wanted QTC's on 10 m. **LY2IJ:** I didn't get rid of all mine. WAE is still my favorite contest! **LA1VKA:** I was at work almost all weekend, but try my best and it was funny! **LU7DW:** Only few hours to say hello to many friends **LY7I:** Due to some other activities I had to start a little bit later the contest and also stop earlier. Improved my score from last year. No condition on 10 m. **LY2IJ:** Tnx to LY1PM for his nice station! **LY9Y:** Our last activity in WAE SSB M/S was almost 16 years ago :-)
LZ4UU: Tnx für nice contest - hope to meet all of you next year too! **N3RD:** 15 m was in fair shape during the times that I was on. 10 m produced no QSOs at all. Good fun, and enjoyed sending the QTCs back to the competitors who needed them. See you next year. **N7GYD:** Great contest with lots of activity. **N9RV:** Had fun with good low sunspot conditions. Not a peep out of ten meters, but fantastic activity from Western and Central Europe made this a great contest. **NX9T:** Lots of fun. I only had about 4 hours to operate but really enjoyed the contest. Thanks! 73, JF NX9T www.qsl.net/nx9t **OE6Z:** First time SO2R - fried one radio after 5 hours of operation and left with secondary radio for the rest of the contest. Still great fun and lots of activity! 73 Mike, OE6Z/OE6MBG **OH4RH:** The logger made serial numbers as 4 digits like 0001, I cannot repeat easy, hope no problem there! **OK1DRQ:** Ich habe keine Zeit, aber gut Contest, awdh in 2004 Jahr 73 de pavel **OK1DRQ** **OK1DVK:** Extremely poor propagation; in spite of that I worked 2 new countries on SSB. **OK2ABU:** Tnx for nice contest and results book from 2002. **OK6A:** Very fine contest and I hope to meet everybody next year. TU! **ON4KVA:** Very difficult for this contest (for me!) **ON6NL:** Great to be back again in the WAE! Always liked the contest because the QTCs separate the boys from the men. **ONL383:** Always very difficult for the listeners to take the QTCs because we are still coming in the middle of the "recitation"! **PA0IJM:** Thanks for this nice contest, except the QTC system. **PA0LSK:** Nice contest. **PA0MIR:** Continuously tried to make contacts on 10 m, little heard not even the UA9s. **PA1V:** Had fun during the weekend. 10 meter not open this weekend - CUAGN next WAE. **PA3GGW:** Nice contest. **PE2T:** Hard to work contest if Family visit is planned, was able to do some on saturday morning and on Sunday evening, got more fun with every qso, Good condx on 20 m to USA. **PG2D/P:** /P from caravan on Texel Island EU-038 IJ3JD. New call. My old call was PA3GZC. **PI4CC:** Very late decided to take part in this contest and thanks to crew of PI4CC for using there station! Not so good CNDX and very tired OP! **PX2MW:** We decided few minutes before start the contest to enter as M/S. We was from a holiday QTH in Sao Miguel Arcanjo, about 100 km south my home QTH in Sorocaba. The amplifier running 200 watts on 10 m, 300 on 15 and 400 on 40 and 80 meters. Good surprise to work 69 stations on 40 meters phone, thanks guys! 20 meters we put a single wire only sunday, but no time to work there because we come back to Sorocaba sunday afternoon. Operated only few hours, but to just 20 hours on and all conditions there, this is a good score. **PY2NY:** worst propagation in years... **RW1AC:** This is a very fun contest! Unfortunately DX-cluster was only 10 hours.



49th European DX Contest (WAEDC) RTTY 2003

Results by Bernhard Büttner, DL6RAI (dl6rai@dxhf.darc.de)

WAE-DX-Contest Team: DF9LB, DH1NHI, DH4SBO, DL1MGB, DL2LAR, DL2NBU, DL3DXX, DL4RDJ, DL6MHW, DL7MAE, DL8WPX, DL8WX, DL9NDS

Continental Winners

Single Operator	
Africa	E88/ON4XU
Asia	5B4AHA
Europe	LY2IJ
North America	ZF2NT
Oceania	ZL2AMI
South America	ZX2B
Single Operator/LP	
Africa	E88/DJ1OJ
Asia	UP6P
Europe	YU7AM
North America	VA3DX
Oceania	ZL2BR
South America	PS7TKS
Multi Operator	
Africa	-
Asia	TA2ZF
Europe	RO4M
North America	VE3NZ
Oceania	-
South America	-
SWL Category	
Africa	-
Asia	JA6-9330/1
Europe	LYR-794
North America	-
Oceania	-
South America	-

Results by Country

Certificate winners are in bold print. Groups behind callsign denote DOK (Germany only), category, score, QSOs, QTCs and multiplier. The abbreviated categories are: S = Single Operator; L = Single Operator/LP; M = Multi Operator; W = SWL Category. A dash, '-', after the callsign indicates that packet spotting was not used („Unassisted“).

Europe

Albania
ZA1A S 669273 813 380 561 (Op. DL6LAU)

Austria
OE1TKW S 5301 57 0 93
OE1KTS- L 21465 101 58 135
OE50Ø786 W 19800 110 0 180

Belarus
EU1MM S 1110480 1092 588 661

Belgium
ON4ADZ- L 366700 424 526 386
ON4QX „ 324208 439 442 368
ON6LY „ 53325 207 30 225
ONSSPA „ 48000 200 0 240
ONL383 W 233716 400 91 476

Bulgaria
LZ2PL S 416665 575 260 499
LZ2BE „ 2808 54 0 52
LZ9R L 715550 867 434 550 (Op. LZ3YY)
LZ1ZM „ 178334 416 78 361

Croatia
9A5W S 1637181 1214 785 819
9A3ZI L 378624 696 0 544

Czech Republic
OK2BXW S 595552 697 309 592
OK2CLW L 526138 601 445 503
OK2PEF „ 285948 542 134 423
OK2PCL „ 69160 247 0 280
OK2ZJ „ 8307 71 0 117
OK2-9329 W 29070 120 50 171

Top Scores

Call	Score	QSOs					QTCs	Multipliers						
		80	40	20	15	10		all	80	40	20	15	10	all
Top Ten Single Operator														
Europe														
LY2IJ	1642572	221	303	308	262	103	1197	846	180	204	148	176	96	804
9A5W	1637181	151	281	309	331	142	1214	785	164	201	160	178	116	819
DL3TD	1357230	177	198	263	268	100	1006	961	164	174	136	140	76	690
LY3BH	1236914	165	229	253	249	113	1009	658	152	186	138	162	104	742
RF4R	1139040	105	274	273	295	214	1161	519	128	162	132	150	106	678
EU1MM	1110480	200	282	332	228	50	1092	588	156	171	134	142	58	661
F6IRF	1037628	194	234	136	190	105	859	699	168	186	98	136	78	666
DJ3IW	996255	218	105	147	214	131	815	706	172	129	106	148	100	655
HA3LI	989904	226	192	162	200	67	847	662	168	168	112	134	74	656
DJ5JK	888167	202	150	160	224	91	827	440	176	159	110	162	94	701
Top Ten Single Operator														
Outside Europe														
ZX2B	1874291	1	91	245	466	356	1159	2034	4	135	134	164	150	587
ZF2NT	1862820	55	210	353	432	379	1429	1415	64	153	142	156	140	655
VE1OP	1408995	26	186	375	368	59	1014	1471	80	159	142	132	54	567
5B4AHA	985796	75	204	163	218	210	870	983	100	156	94	94	88	532
N2WK	755398	94	190	116	162	86	648	718	92	171	100	118	72	553
K4SV	725676	37	141	155	175	140	648	836	60	135	86	122	86	489
W3FV	676647	43	177	207	200	119	746	573	64	159	116	104	70	513
WØYR/4	596600	0	222	187	179	88	676	580	0	171	116	110	78	475
VE3GSI	539301	28	104	246	186	101	665	616	52	81	108	112	68	421
ZL2AMI	531162	0	88	144	104	212	548	735	0	108	112	94	100	414
Top Ten Single Operator/LP														
Europe														
YU7AM	746263	154	152	140	191	78	715	552	144	153	94	118	80	589
LZ9R	715550	125	212	254	246	30	867	434	144	138	110	110	48	550
RV3FF	604998	93	207	230	208	34	772	387	116	144	92	124	46	522
RA6AZ	599640	76	189	193	250	87	795	345	108	156	94	118	50	526
UA3SAQ	534060	107	176	159	234	46	722	267	136	138	88	120	58	540
OK2CLW	526138	219	191	0	136	55	601	445	164	159	0	112	68	503
DL2FAG	483328	80	74	106	159	52	471	553	128	102	74	110	58	472
OZ9GA	464265	187	176	163	95	36	657	248	156	135	106	74	42	513
YØ3JF	405120	0	0	93	327	80	500	766	0	0	68	166	86	320
UA4FCO	399217	108	140	260	216	25	749	0	140	129	104	124	36	533
Top Ten Single Operator/LP														
Outside Europe														
PS7TKS	900512	11	240	184	273	94	802	910	36	174	114	120	82	526
UP6P	863784	67	172	154	299	106	798	750	108	144	104	122	80	558
VA3DX	754478	43	164	255	217	129	808	525	60	150	144	128	84	566
RX9SR	751842	55	65	197	172	178	667	1034	84	84	92	106	76	442
RU9DD	604252	54	92	194	194	29	563	801	84	105	102	112	40	443
YV5AAX	538973	0	55	199	151	56	461	1032	0	87	116	106	52	361
W9HLY	472192	66	58	153	180	65	522	532	72	78	94	138	66	448
UA9CR	380148	77	59	93	103	80	412	536	116	75	64	88	58	401
E88/DJ1OJ	346242	0	16	134	103	137	390	768	0	33	108	86	72	299
N1MGO	341275	45	92	154	115	16	422	513	60	99	102	84	20	365
Top Six Multi Operator														
Europe														
RO4M	1553976	161	356	344	287	171	1319	715	152	198	146	160	108	764
Z31MM	1537164	254	381	303	339	68	1345	641	188	228	124	160	74	774
S53S	946295	234	220	196	179	94	923	500	172	195	126	106	66	665
RD3R	872316	83	290	270	323	107	1073	403	112	159	102	150	68	591
DKØIU	588068	196	163	146	137	66	708	344	160	141	88	112	58	559
DLOHW	315657	102	66	118	90	39	415	314	112	99	86	90	46	433
Top Six Multi Operator														
Outside Europe														
TA2ZF	1412256	97	195	184	401	105	982	1274	140	144	82	160	100	626
VE3NZ	1261425	43	309	238	296	144	1030	1055	64	201	122	140	78	605
KØFJ	438261	41	116	200	207	37	601	440	60	93	88	132	48	421
Top SWL Category														
Europe														
LYR-794	711504	171	222	166	207	64	830	268	160	186	108	128	66	648
Top SWL Category														
Outside Europe														
JA6-9330/1	368	0	0	0	0	0	23	0	0	0	0	0	0	16

Denmark	OZ5MJ	S 6696 57 15 93	G4EMT	„ 10611 81 0 131	Estonia	ES1AJ	S 21708 134 0 162
	OZ9GA	L 464265 657 248 513	G6OKU	L 55695 229 8 235		ES1QV	L 181704 356 180 339
	OZØF	„ 42966 186 0 231	GØMTN	„ 30246 134 8 213		ES4MM-	„ 158772 393 0 404
			GØAFZ	„ 29068 150 19 172		ES7FU	„ 42084 167 0 252
			G7TMU-	„ 11130 105 0 106			
			G3URA	„ 8080 101 0 80			
England	G3XTT	S 195605 282 269 355	G4LWB	„ 6084 59 19 78	European Russia	RF4R (Op. UA4RC)	1139040 1161 519 678
	G3UHU	„ 100128 298 0 336	G6CSY	W 5800 50 0 116			

VE9MY	"	45123	171	96	169
VE9DX	L	109125	219	266	225
Canary Is.					
EA8/ON4AXU	S	106896	393	0	272
EA8/DJ1OJ	L	346242	390	768	299
Cayman Is.					
ZF2NT	S	1862820	1429	1415	655
Cyprus					
5B4AHA	S	985796	870	983	532
French Polynesia					
F0SPS	L	29796	191	0	156
Hawaii					
KH6GMP	L	26208	168	0	156
Hong Kong					
VR2BG	S	113805	312	93	281
Indonesia					
YB0WWW	S	9000	100	0	90
YB5OZ	L	269376	422	554	276
YC2ECG	"	14706	129	0	114
Israel					
4X6UU	L	136800	234	246	285
4X6UO	"	47424	189	305	96
Japan Call Area 1					
JA1BWA	S	326796	285	679	339
JE1GMM	"	173800	223	567	220
JR1NH	"	27700	92	185	100
JM1LPN	"	1014	15	24	26
JM1NKT	L	142576	239	297	266
JA1BHK	"	100084	186	338	191
JA1XRH	"	59830	137	173	193
JA1OVD-	"	20445	111	30	145
JO1VRK	"	8568	70	49	72
JAIASZ	"	3848	52	0	74
JA8AGI/1	"	690	23	0	30
JA1PTO	"	416	16	0	26
JH1TUX	"	220	11	0	20
JA1XUY	"	160	10	0	16
JA6-9330/1	W	368	23	0	16
Japan Call Area 2					
JH2BTM	S	3025	35	20	55
JA2FSM	"	432	16	8	18
7N2UQC	L	25376	99	145	104
JA2CXF	"	19844	121	0	164
JA2KCY-	"	5538	42	29	78
JF2SKV	"	4806	54	0	89
JE2SOY	"	48	2	10	4
Japan Call Area 3					
JR3UIC	S	6380	58	0	110
JR3NDM	L	24318	92	101	126
7L3IUE	"	3024	46	8	56
Japan Call Area 4					
7L4IOL	S	137616	195	369	244
Japan Call Area 5					
JA5JWQ	L	118800	182	418	198
Japan Call Area 7					
JA7IC	S	333344	368	579	352
Kazakhstan					
UP6P	L	863784	798	750	558
(Op. UN6P)					
UN4PG	"	165912	244	425	248
Mexico					
XE1L	L	20296	236	0	86
XE1ZVO	"	4960	62	0	80
XE1RCQ	"	160	10	0	16
New Zealand Call Area 2					
ZL2AMI-	S	531162	548	735	414
ZL2BR	L	288809	334	523	337
Thailand					
HS1PDY-	L	81180	250	160	198
Trinidad & Tobago					
9Y4/DL9DRA	S	3168	48	0	66
(Op. DL9DRA)					
Turkey					
TA2ZF	M	1412256	982	1274	626
United States Call Area 1					
W1TO	S	324008	400	402	404

K1US	"	192975	252	523	249
N1MGO-	L	341275	422	513	365
WN1G	"	208320	399	345	280

United States Call Area 2					
N2WK	S	755398	648	718	553
KA2D	"	331870	371	491	385
WA2ETU	"	267176	317	411	367
N2BJ	"	205356	424	230	314
NO2T	"	94325	216	127	275
K2NV	"	70680	174	198	190
WB2JEP	"	20727	147	0	141
K2QPN	"	3190	40	18	55
KF2XF	L	12285	73	62	91

United States Call Area 3					
W3FV	S	676647	746	573	513
K3WW	"	136284	287	267	246
W3FOE	"	8586	81	0	106
WW3S	L	288750	396	479	330
W3MEL	"	132894	414	0	321
NP3D	"	12576	96	0	131
K3ID-	"	1404	26	0	54

United States Call Area 4					
K4SV	S	725676	648	836	489
W0YR/4	"	596600	676	580	475
WX4TM	"	422811	530	451	431
W4UK	"	329728	736	0	448
W6IHG/4	"	70400	132	220	200
WD4GBW	L	330402	395	644	318
W0A0	"	214482	354	369	334
W4LC	"	146910	319	271	249
W4BCG	"	49203	165	66	213
WB6BWZ/4-	"	18447	129	0	143
AE4Y	"	13688	99	17	118
K4DJG	"	2772	63	0	44

United States Call Area 5					
N5PU	S	151552	328	264	256
W5TZN	L	107973	387	0	279
K5WAF	"	32074	158	0	203
K5WV	"	31293	183	0	171
K5CM	"	14476	116	38	94
N5F-	"	8260	70	0	118
KE5OG	"	7696	74	30	74

United States Call Area 6					
NN6XX	S	34632	148	148	117
K6BIR	"	22046	146	0	151
WA6BOB	"	10234	99	20	86
AD6WL	"	2982	44	27	42
KK6T	L	138804	312	204	269
N6TQS	"	60610	179	140	190
K6OWL	"	45724	144	140	161
KB6NA	"	4320	31	59	48

United States Call Area 7					
W7WW	S	384744	570	414	391
K7WM	"	36386	165	61	161
W7DPW	"	861	21	0	41

United States Call Area 8					
W8XC	S	14616	70	104	84

United States Call Area 9					
K9DJ	S	226080	373	347	314
N9KO	"	35738	135	79	167
W9HLY-	L	472192	522	532	448
W9ILY	"	77472	269	0	288
K9BJM	"	77158	174	172	223
K9OSH	"	44457	168	35	219
K9JS-	"	43840	197	77	160
WD9GMK	"	19684	112	36	133

United States Call Area 0					
W0ETC	S	102060	269	151	243
K0JPL	"	87532	277	0	316
W0HW	"	38805	195	0	199
K0COP	"	6868	52	49	68
K0HW	L	136068	350	143	276
W0VD-	"	53815	235	0	229
K0CIE	"	32375	142	33	185
KS0M	"	29829	139	24	183
W0LSD	"	7458	66	0	113
K0FJ	M	438261	601	440	421
Venezuela					
YV5AAX-	L	538973	461	1032	361

Disqualification

- none -

Station Operators

DFOJEN: DL1ANA, DJ9AO; DK0IU: DG5HFS, DJ4KW, DJ6TK, DK1IP, DK9HE, DL2SWW;

DLOHGW: DF2TZ, DL3NSM, DL9GWD, DL9GMN; DL0SLZ: DL3ARK, DL2AMT, DL5ASE; DLOUJ: DF5AU, DL5AV; DL6MHW: DL3ABL, DL6MHW; KOJF: KOJF, K0B3; OH2K: OH2KNU, OH2GFY, OH2LRE; RD3R: RN3RC, RU3RO, RK3RX, RZ3CR, UA3R5O; RO4M: RA4LDO, RA4LV, RA4LZ, RN4LP, RU4LM; S53S: S57NDT, S57VAH, S57LWE, S50M, S58DX; TA2ZF: TA2ZF, TA2PR; VE3NZ: VE3NE, VE3NZ; Z31MM: Z31MM, Z32ID, Z36W, Ivan Krstev.

Checklogs

Many thanks to the following stations submitting checklogs: DK9BW, DL1DTC, DL8UFO, G0MBO, G3NXT, G4KSH, HA1SN, INS-99, IV3SKB, IZ4DZD, JA7EMH, JR3RY, K8RT, OK1DIB, OZ8ABE, PA3EBP, RW4UW, SM3AF, SM7BHM, UA1OMS, UA4FX, UN7DA, UN7PV, UT1IWA, UY5OQ.

Soapbox Comments

4X6UO: RTTY with WF1B Software v5. **5B4AHA:** Excellent contest as usual guys. Thanks to all for running it. It still amazes me how many participants do not Tx and Rx QTC'S with the amount of free software available. CU next year. **7L3IUE:** It was poor in 10 m Band this season. **7N2UQC:** I could enjoy the wonderful contest. **7S6N:** No packet cluster within reach. Peculiar conditions here. Very few JAs and NAs on 10 and 15 m. Frustrating to hear central EU stations with nice runs in those directions. The last hour on Sunday on 20 m brought some excellent signals from W6, W7, VE7. Didn't even manage to send QTCs for the QSOs I made. Will be back next year. **AD6WL:** Could only work the last hour of the contest. **CT1AOZ:** Too busy all the weekend. Hope to be better next year. Btw another good contest... **DE2ROB:** DE2ROB - 14 Jahre alt! **DF0ZY:** Wie immer ein Super Contest. QTCs wie immer eine Herausforderung. Die Ausrichtung des WAEDC hat einen hohen Standard. Danke! **DJ3IW:** Das dürfte ein WAEDC RTTY der Rekorde gewesen sein! Die hohen QSO Nummern sprechen für sich. Leider fand ich nicht (mehr) genügend DX-Stationen, um noch mehr QTC zu senden oder zu empfangen. Auch wurde von vielen, insbes. USA Stationen QTC Verkehr rundweg abgelehnt. Ich hoffe, daß mein score auch nach der Auswertung noch über 1 Mio liegt. **DK1RF:** First WAE DX in RTTY, viel Spaß gemacht, nächstes Jahr wieder, mit hopefully more points. **DL1THB:** Danke für den Contest. **DL3AMA:** Mit etwas Power kann man auch mal CQ rufen... Hat mir viel Spaß gemacht!!! **DL6JZ:** A lot of fun again. My first RTTY contest with packet cluster assistance. I think so I got the one or other mult more than without packet. But not enough QTC's this year. I believe that I spent to much time on 80/40 instead of 20/15. See you next year again. **DL6MHW:** War unser zweiter Versuch als RTTY-Team. Die Software wurde ordentlich aktuell aus dem Netz gezogen und vor dem Contest installiert - aber „der Lizenzschlüssel kann ja morgen installiert werden“. Pustekuchen: Leider war der Schlüssel nur für Version 2 gültig, so dass die neue Version 3 noch am Sonntag morgen durch eine alte Version ersetzt werden musste. Das hat uns im Rückblick die 100.000 Punkte gekostet, wobei es natürlich auch an allen anderen Wochenendaktivitäten liegen kann. Beim QTC-Sammeln gab es einige Probleme, sodass sicher etliche Fehler im Log sind. Leider wird es in den nächsten Tagen keine Zeit geben, dass nochmal alles ordentlich zu machen. Deshalb das rohe Log mit der Bereitschaft, diverse Punktabzüge in Kauf zu nehmen. Aber besser als gar kein Log... Oder? **DL7VOG:** Die condx waren alles andere als. **DP1POL:** I only had very limited time for the contest, as there was a major event at Neumayer Station, Antarctica, on the WAEDC RTTY weekend: The first plane arrived after a long Antarctic winter of seven months with no visitors! Everyone at the station was very much looking forward to that. On Sunday, two Russian AN2 aircrafts landed safely at Neumayer airstrip and brought three summer guests, fresh fruit and vegetables, and mail from our families. As everyone here was involved in one way or another with this highlight which marked the beginning of the summer season, I could only operate the contest a few hours during both nights. This is why only two European stations made it into my log. QTCs are great fun, and I wish more stations

would play that game. **EA8/ON4AXU:** I really enjoyed spending 2 of my 7 days holidays on tennife island in the WAE RTTY contest and I surely will participate next year again. **E54MM:** I worked last one in WAEDC RTTY at 1998 years. Now again to participate WAEDX RTTY contest. Hi and sorry, but I have no programme to QTC! Thanks WAEDC Committee for excellent contest! Thanks for my favorite contest! 73! Alex **F5CQ:** FT-1000MP-Mark 5 - GPA-30 - G5RV. **F5RD:** A good contest, I improve a little bit my 2002 score and I QSO 2 new countries (A22 and UK8). Thanks to all who contact me. See you again next year. **F6IRF:** IC-706 + homebrew 2 x 4CX250 PA - 400 W ants: dipole 40/80 at 18 m AGL - OB6-3M tribander at 12m AGL mixw2.10 - MMTTY 1.65 > LOG/QTC'S Imported in writelog 10.41 for cabrillo creation No DX-cluster or any kind of external assistance. The world may also be divided in 2 by the ones who love QTC's and the ones who don't!!! My first serious attempt with my modest "domestic station". I really enjoyed this contest, for it's originality and the place made to the strategy (unlike a CQWW). The QTC business is really fun although I had some problems with mixW the contest DLL has still some serious bugs, but I love so much the "advanced waterfall" for S & P). Could have done better with off-time management, but had to be off for F vs E in the Rugby world cup, so missed the JA window on 10 m. Heard a few JAs between the match 2 halves, but they were rare on the air anyway (due to their SSB contest, I guess). 40 m has been my best band, and 20 m my worst (NA window far too short from S.E. France) - Propagation wise the 10 m has been surprisingly good with NA(just missed W7 and the west-most VE's). Like many EU's I have been unable to break ZF2NT NA pile-up (WAE-TTY rule drawback) on 80, but transatlantic condx remained poor on 80 anyway, so I focused on 40... In brief I have just been missing a few more QTC's for more points and fun. **GM8OEG:** First time ever on rtty, installed the software on friday evening before the contest - had to learn to drive it on the job! What fun, this certainly won't be my last RTTY contest! **GU0SUP:** Great fun as always, and I really enjoy the QTC. I now have an inverted L antenna for 80 m, so this helped my score. I was very pleased to work VK6HD on 80 m with this antenna. My thanks to all at DARC for this event. **IZ4DZD:** Control log. **JA1BWA:** The "QTC" rule is very unique and interesting. **JA2FSM:** This contest was in good condition, so that I could enjoy the wonderful contest. **JA2KCY:** This contest was in good condition, so that I could enjoy the wonderful contest. I didn't use any assist, any spotting nets. **JA5JWQ:** This contest was in not good condition, but that I could enjoy the wonderful contest. **JA6-9330/1:** I really enjoyed my first SWL participation in an RTTY contest. **JH1TUX:** This contest was in good condition, so that I could enjoy the wonderful contest. **JM1NKT:** This contest was in good condition, so that I could enjoy the wonderful contest. **K0FJ:** Very little EU on Sunday. The QTCs make this an interesting, different contest. BJ increased power on 10 m then smelled something "hot". Turned out to be FJ's turkey in the oven for the church Thanksgiving dinner. If you must have a false alarm, it should always be as pleasant... **K0HW:** Bad scheduling on my part caused me to miss both openings to Europe! I will do better planning next Year! Thank You for the contest, I will try with proper planning to get all my QTC sent next year also! **K3WW:** Some errors in QTC copying. Hope enough QSOs to help the Europeans in the contest. **K4DJG:** My first solo RTTY contest. I had a ball for the limited time I had. **K4SV:** Had a good time. 10 meters was open both days. This year I exchanged 850 QTC's to get lots of points. Heard very few stateside being serious about working the contest. Nice to see old friends on the air. **K6OWL:** I love those QTC's! **K9JS:** no packet. **K9OSH:** First use of writelog/MMTTY. Great time climbing the learning curve! **KH6GMP:** ICOM IC-756Pro, C3S Force 12 yagi on rooftop tower, 60 w Writelog with MMTTY plugin **KSOM:** I had just a few hours to work this contest. It was a lot of fun. Sorry that I did not make very many contacts. The start of the contest was during my 60th wedding anniversary and I had other things to do besides work a contest. This was my first attempt at sending and receiving QTC's. I still have not mastered the receiving very good yet. But I was more comfortable sending. Thanks for sponsoring the contest. **LX9SW:** Had a lot of fun for my first participation on this contest. I must stopped in the early sunday evening for QRL reasons. Next year I think I take holidays :-