

RESULTS 2004
RULES 2005

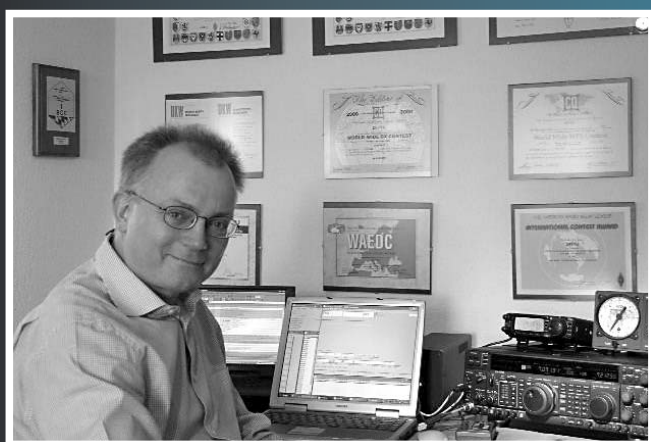


WAEDC

EUROPEAN DX-CONTEST

WAG

WORKED ALL GERMANY CONTEST



Dirk, DF7YU, proud winner of the Low Power category in the SSB portion of the WAEDC 2004



Filipe, CT1ILT, winner of the WAEDC CW 2004 Low Power category.

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 13, 2005, 0000 UTC until Sunday, August 14, 2005, 0000 UTC
SSB: September, second full weekend
Saturday, September 10, 2005, 0000 UTC until Sunday, September 11, 2005, 2359 UTC
RTTY: November, second full weekend
Saturday, November 12, 2005, 0000 UTC until Sunday, November 13, 2005, 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, 2005.
- 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:**
a) Continental winner
b) Member of the Top-Ten/Top-Six (multi operator) list.
c) Country winner
d) Regional winner in one of the countries which count by call areas
e) at least half of the score of the respective continental winner
f) at least 100,000 points
- 2. for plaques:**
a) Continental winner
b) Stations who have been into the Top-Ten/Top-Six list for at least five times can apply for a special plaque.
c) 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 2005 these are: 1A0, GD, HV, JW, JW/b, JX, OJ0, OY, R1F, SV5, SY, T7, ZB.

Mailing Address:

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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

DJDC – predecessor of the WAEDC

WAEDC: This Contest has an interesting history reaching back to the year 1936

The roots of the Worked All Europe DX Contest (WAEDC) go back to the „Deutscher Jubiläums DX Contest“ (DJDC), sponsored by the „Deutscher Amateur Sende- und Empfangsdienst“ (DASD) to commemorate the eleventh Olympic Games held in Berlin in 1936. The contest was also intended to celebrate the 10th anniversary of the DASD, founded in 1926.

The late Werner Slawyk, D4BUF, at that time head of the foreign office of the DASD, was in charge of setting up and running the first German Amateur Radio Contest of international significance. In real life Slawyk was the head of the German commercial coastal station „Norddeich Radio“ and had his amateur antenna mounted 100 m above ground. After the war his call sign was DL1XF. He died in 1955.

The rules for the first DJDC were published in German and English in [2] and mailed together with 2,500 log forms around the world. „The Contest takes place during the five weekends of August 1936 from 0000 GMT Saturday to 2400 GMT Sunday. All frequency bands permitted for amateur traffic may be used.“ This set the scene for the first DJDC in history. Can you imagine getting on in a contest for five successive weekends today? According to the contest rules, DL and EU stations were only allowed to contact overseas stations. As an exchange, a six-figure number was exchanged, the first three figures being the current QSO number, the second three being the QSO number received during the previous QSO.

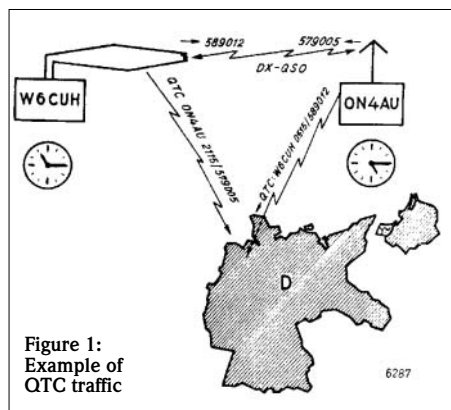


Figure 1: Example of QTC traffic

QTC traffic for the first time

As a special element, the so-called QTC traffic was introduced in the DJDC. Stations outside of Germany gave details of their DX contacts in the QTC format. The motivation of the contest sponsor was to achieve a comprehensive overview of total activity in the contest. QTC traffic was exchanged not only between overseas and European stations but also between European and German stations.

Figure 1 gives an example of QTC traffic. A QSO between W6CUH and ON4AU is the origin of two QTCs, which could be reported to German stations. Later, in the WAEDC, the EU-DL QTC traffic was abandoned. Scoring was quite complex and was based on the distance covered in a contact. Each DX QSO from DL counted 4 points for each 1000 km (between capitals of contacting countries). Each DX QSO from the rest of Europe was worth 1 point for every 1000 km. QTC traffic inside Europe scored 12 points per QTC while overseas QTC traffic was 6 points multiplied by each 1000 km distance between capitals. A special distance table was used to calculate the points.

Figure 2 shows points valid for D-stations in the DJDC 1937. By the way, many of the prefixes mentioned are still in use today while some of them sound a little exotic these days.

D4BUF used the following words to describe his impressions of the first DJDC 1936: „The first of August came and the first shy calls CQ DJDC appeared in the amateur bands. After some hours, however, the traffic was very noticeable and the 14 mc band was full.

So the whole weekend continued. Friday night the USA stations, Saturday morning some South Americans, then Australia, and a ‚big army‘ from New Zealand. During the late morning it was fairly quiet, interrupted only by European QTC traffic. In the afternoon we worked the Far East, again with VK-ZL, and South Africa. In the evening, if not earlier, the amateurs of the United States appeared with enormous and tough participation. Sunday the same situation, when, at midday and some time later, growing Europe-QTC-traffic was running. At night, the swarm of USA station was so frightening that correct reception of the serials was almost impossible. During the second weekend, conditions were not very favourable, but the third and fourth were by far the best. At that time, the 14 mc band was so overcrowded that someone not familiar with it could only pick up a general howling and chirping.

Only OMs with steel nerves could copy something during those times. Peaceful Sunday chats, which would not be bothered by any contest, were completely blotted out and roared down, as we found remarked in some foreign amateur magazines. Some people found themselves forced to participate against their inclination, especially when they owned a ‚rare call‘. Such people had to send a number in order that the other might log him as a new country.“

This enthusiastic description [3] was penned by Werner Slawyk, D4BUF, reviewing the first DJDC: „August 1936, the Olympiade in Germany, Radio Exhibition in Berlin, and the DJDC. Do you remember, old men? Leaving your bed on Friday night, nothing but QSOs until 7 or 8 o'clock, then in a hurry to Saturday's daily work, a quick lunch and back to the key, this lasting up to Sunday midnight, or an even better amount of time if you could benefit from the time difference between GMT and your local standard. A bit of rest only when Uncle Heavyside had his bad time or the fingers got weary of pressing down the key... such was the work of those who tried for victory in the contest. The DJDC drew the attention of all amateurs around the world to Germany during the August days, as the Olympic Games did for all sportsmen. The participants of the first German amateur radio contest were not forced to travel to Germany, they had their sports gear, their transmitter at home, and their sports field was the ether which fills the whole world, their signals being proof of their radio work.“

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Resounding Success

The first DJDC was a resounding success. 1050 amateurs in 68 countries and all six continents took part in this event. In Germany, 168 transmitters and 108 receivers (SWLs) were active, while in the rest of Europe 138 stations were observed. From the USA 322 participants were counted and from the VK/ZL area 75 stations were heard. From the rest of the overseas countries about 100 stations were observed. In the following months, piles of letters arrived. Many letters contained logs on paper forms, but the larger part were small slips, large sheets, torn from journals or diaries, QSL-cards – in short a huge number of formats. 758 amateurs from 61 countries sent in their logs. Not knowing how to score their logs, many had left the task for the log checkers, W. Rach, D4ADF,

DJDC distance chart

Distances in 1000 km or a part thereof. Each prefix means a separate country.

2	FA	FT
3	CN	SU TF ZC1-ZC6
1	CT3	EA8 YI
5	VO	VS8
6	VE1	VE2 VQ6 ZD1 ZD2
7	W1	W2 W3 W8 VE3 K7 ON4C VP9
	VQ1	VQ4 VQ5 VU
8	W4	W9 VE4 VE5 FM K4 MX VP2 VP6
	VQ2	VQ3 VQ9 VS7 VS9 ZD1 ZD8
9	W5	W7 CM CR7 CR9 FB HH HI HS J J8
	PZ	VP3 VP4 VP5 VS6 XU YV ZE ZSTU
10	FR	HC HJK HP HR K5 KA NY TG TI
	VP1	VQ8 VS1 VS2 VS3 XE YN
11	W6	PK1-3 4 PK5 FY VS4 VS5
12	CP	CX J9 K6 OA OM PK6
13	GE	LU
14	VK6	VP7
16	VK4	VK5
17	VK2	VK3 VK7
19	ZL	

Figure 2: Distance points valid for D-stations in the DJDC 1937

processed the DX portion of the entry and G. Danzke, D4MNL, handled the European logs. Hannes Bauer, D4ARR, from Nuremberg (the late DL1DX) had the top score with 7.9 million points. He made 922 QSOs and received 1314 QTCs. The highest score from overseas was submitted by Mervin R. Campbell „Snow“, VK3MR, with 346 QSOs and 118 QTCs.

Not a once-only Event

No wonder that this event, originally planned as a once-only competition, deserved to be repeated in following years.

The first change was introduced in 1938, when operating times were limited from 48 to 24 hours per weekend. The exchange was modified to WRT and serial number, WRT being a predecessor of today's RST system.

D-stations were asked by US amateurs to keep their calls short and refrain from calling CQ for several minutes. Remember that transmitters at that time were crystal-controlled. So after a CQ call, the whole band had to be fully searched for any callers. Zero-beat operation was still far away. Tone quality of the transmissions was a big factor. Stations that did not receive a T8 minimum from more than 60 % of the participants were subject to disqualification.

Finally the scoring was switched to a system using multipliers, with some of the large countries being split into call areas.

DJDC was repeated in 1937, 1938 and 1939. In 1940 there was no more DJDC due to the ongoing World War II.

The Comeback – 1st WAEDC

In 1955, Rudi Hammer, DL7AA, then head of the DARC DX bureau picked up the idea of the DJDC again. This new version of the contest was laid out as a DX Contest to promote the newly created Worked All Europe (WAE) Award. The weekend of 17/18 September 1955 saw the telegraphy portion of the 1st WAEDC, and one week later, on September 24/25 1955 the phone portion was held.

Strange feelings come up when reading about „substitute countries“ in the contest rules [4]. In 1951 the Soviet government of the USSR had forbidden their amateur stations from contacting anyone outside Eastern Europe. So the Shetland Isles were selected as a placeholder for Franz Josef Land. Northern Norway counted as a substitute for the Ukraine (UB) and DM (the part of Germany under Soviet occupation) was a joker for UA (Russia). Only after June 1, 1956 amateur stations of the USSR were allowed to take part in world wide communications.

Due to the high personal commitment of Rudi Hammer, DL7AA, the first total European Contest was launched. In the CW portion of the WAEDC 1955, 1251 participants in 118 countries were counted. Log submission was

low with 208. In the phone contest 786 stations in 117 countries were reported and 88 logs were received.

OK1FF won the first telegraphy WAEDC with 280 QSOs, 235 QTCs and 96 multipliers. Outside Europe, W2WZ gained first place with 401 QSOs, 395 QTCs and 62 multipliers. The phone contest in Europe was lead by OE5CK with 165 QSOs, 79 QTCs and 68 multipliers while VQ4RF from Kenya turned in 278 QSOs, 260 QTCs and 46 multipliers for a first place from outside Europe.

The DARC DX buereau was quite happy about the participation in the first WAEDC, but bemoaned the small number of logs received – especially from DL.

The initial years of the WAEDC were characterized by the search for a better date. In 1956 each portion of the contest was held on two weekends, phone on November 24/25 and December 8/9, CW on January 5/6 and April 6/7. In 1959 the phone part of the contest was discontinued but revitalised in 1962.

Finally, in the last big change in 2002, the call areas were re-introduced since they turned out to be the perfectly balanced solution – albeit one cannot speak of call areas today but rather of call sign blocks in many countries.

• RTTY

In 1969, Uli Stolz, DJ9XB, created the WAEDC RTTY in order to promote this new digital communication mode. At first WAEDC-RTTY was independent of the other two parts, but in 1975 it was integrated into the regular WAEDC contests and results were published together.

• Times and Categories

In the first years, WAEDC had two categories, „up to two bands“ and „all bands“. This separation was soon dropped, in order not to limit activity and to promote the use of all bands. Single and multi operator stations have been entered separate sections ever since the first WAEDC.

Until 1970 different power categories were in existence.

Modern Times

With the availability of personal computers, more and more participants began using these devices to generate their logs on a computer. Many large logs were no longer shipped on paper but on floppy disk, and later by E-Mail. Consequently, DARC soon decided to switch contest adjudication to an electronic system. Dietmar Kasper, DL3DXX, was to the fore in 1993 when the first automated scoring came in use. Ten years later, in WAEDC 2003, the overwhelming number of logs is received by E-Mail. This is an enormous relief for the contest manager, who only has to process a small percentage of postal items.

A software robot sends out confirmations of receipt for all incoming E-Mail logs. Of the 1860 logs from the 2003 contests, 88 % were E-Mail logs, 10 % paper logs and 2 % on floppy disk. WAEDC adjudication today is based on refined database-driven methods. Data conversion, Cross-checking, generation of UBN reports, automated generation of final result listings and print processing of the contest awards are highly automated today.

Due to these checking methods, more than 95 % of all QSOs can be scrutinized. A much higher quality of contest adjudication is possible today compared with the old days of paper logs.

WAEDC and the Internet

Since 1998 the WAEDC contest is present on the Web pages of the „DARC Referat for HF and DX Funksport“ [1]. At this address you can also find historic results going back to the year 1936 as well as information about current happenings. The Internet has become a very significant medium in the support of the contest and in providing a means of communication with participants.

In spite of recession in many areas of our hobby of amateur radio, we cannot complain about the number of participants in the WAEDC contests. They still grow, year after year.

Quo vadis WAEDC

We have traced the arc of events which lead us to the present day, from the roots of the WAEDC in the year 1936, its beginnings in 1955 up to the integrated electronic contest adjudication of the WAEDC 2003. We can observe an enormous technical development over this time period of 68 years. But the core of the WAEDC is still the same: a competition, whose fascination comes from the HF bands, with their always surprising band openings, rare and exotic call signs showing up from remote areas of this world, signals distorted by QSB and QRM, perfect operating style, when QTCs are being transmitted under severe conditions and the heart-throb experienced when the first QTCs have to be received.

The buzz of the participants is still unbroken and so we may hope that we will be able to celebrate the 100th WAEDC in fifty years from now.

„The other day I came across my SWL log of the DJDC 1936, the predecessor of the WAEDC. In those days, the blood drained from my fingers when I had to copy the QTCs.“ This note was found in the soapbox comments in Dr. Bruno Pultke's WAEDC CW log; he was DE 3606 L in 1936 and took part in the DJDC back then. Today he can still be heard on the bands as DL1EV.

Bibliography

- [1] <http://www.waedc.de>
- [2] Mitteilungsblatt CQ des DAsD Heft 6/1936, pg. 89
- [3] Mitteilungsblatt CQ des DAsD Heft 7/1937, pg. 49
- [4] DL-QTC 4/1955, pg. 273

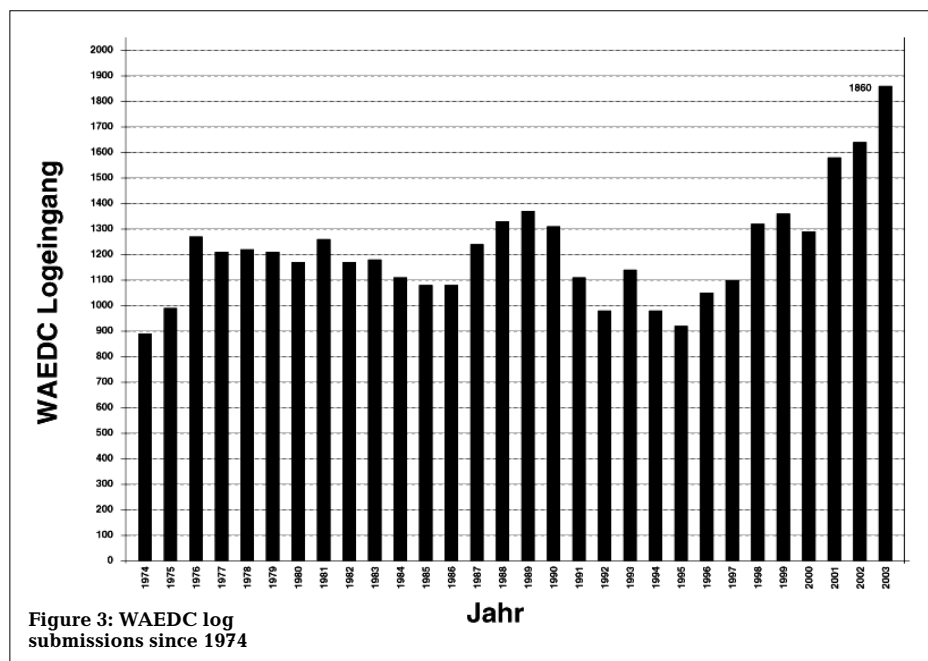


Figure 3: WAEDC log submissions since 1974

In the years after, the contest was reduced to one weekend per mode and both contests were settled in August. Finally in 1965 the present calendar was established, using the second weekends in August and September.

Changes and Adaptions

The rules and character of the WAE DX Contest from its beginning in 1955 were mostly left unchanged. In the first years the contest sponsors tried to increase the number of participants and the popularity of the event without making much change to the rules.

• Multipliers

From the beginning, for DX participants the WAE Countries List was the basis for the calculation of multipliers. European stations used the ARRL Countries List, adding call areas to the prefixes W, VE, VO, PY, CE, ZS, VK and ZL.

In 1968 the weighting of multipliers was introduced. To encourage activity on the 80 meter band, the number of countries on the 80m band was multiplied by a factor of two. Four years later, in 1972, the weighting system 80 x 4, 40 x 3, 20/15/10 x 2, that is still in use today was introduced.

In the WAEDC 1982 US states were added to the call areas that existed since 1955. This turned out to be a move too far for the US participants and so in 1987 the change solely to DXCC countries was made, even abolishing the old call areas. Between 1987 and 2002 only DXCC countries outside of Europe counted as multipliers for EU stations.

An amusing comment in the rules of 1959 is quite revealing: „Assistance by typists or by the operation of equipment is not allowed in any of the categories“.

For more than two decades, no changes were made to the categories. Only in 1987 the high band category was introduced, where operation was only permitted in the 10...20 m bands. However, DARC realized that this was a tactical mistake since – although the number of logs increased – activity on the bands 40 and 80 meters declined to unacceptable levels. So in 1990, only three years later, this category was abolished again.

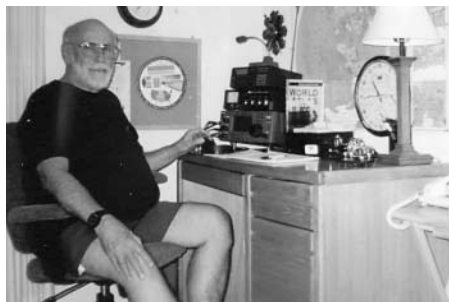
In 1987 the DARC DX Committee decided to shorten the contest period from 48 to 36 hours, following a recommendation of the IARU. In 1994 the old 48 hour format was re-introduced, however. In 1989 the Multi/Multi category was added but deleted again in 1994 due to lack of activity.

In 1991 the DARC DX Committee commented on the use of Packet Radio spotting nets in the WAEDC. A decision was taken to allow the use of spotting nets in all categories. World wide protests were received but the solution avoided a split of the participation between packet users and non-packet users. Even today, there is resentment of this decision especially in GB and the USA.

In 2002, to reflect the high amount of participation, the Low Power category (maximum output power: 100 watts) was introduced after having marked these participants with an asterisk in the final results of the three previous years.

WAE DX Contest 2004

50 Years of WAEDC – this was the motto of the three 2004 contests. The propagation gods were with us and kept the sun-spots up, at least during the CW and SSB events. 10 meters was open only exceptionally to more southerly directions while 40 and 80 produced some nice DX opportunities into Asia and South America. Nine new world records, 18 new continental records and 255 new national records were set in the three 2004 contests. Proudly, we can report yet another increase in participation in this 50th year of the Worked All Europe DX Contest. And this in spite of declining propagation conditions combined with the typical summer effects of „no ten meters“, thunderstorms and people being away for holidays. It seems that the special programs designed for its anniversary dragged even more into the game this time and made up for another record-breaking year.



Al Martin, AH6N, at his station. Al gave many a rare mult during the CW Contest.

A special note deserves to be made about all the great contest expeditions specially organized for this contest. The most spectacular one was the activation of Malj Vysotskij Island, R1MVI, during WAEDC SSB, putting a country on the air that has never been active during this contest before. The WAEDC Super Bowl lottery will be history by the time you read this. 50 prizes including a full-blown HF transceiver by TenTec were sponsored to commemorate this special occasion. 1563 entries qualified for the lottery (a minimum of 10,000 points had to be achieved after log checking). All lots were drawn at the Ham Radio convention in Friedrichshafen 2005. Please find details about the lottery elsewhere in this booklet and on the WAEDC Web site.

Statistics

A total of 2,286 logs were received (2002: 1,860). The large increase of 22.7 % came from 147+ logs on CW, 111+ on SSB and 164+ on RTTY. Like in 2003, most logs were received for the CW portion of the contest. 2,103 logs were received by E-Mail. Only 14 were submitted on a floppy disk. 148 paper logs with 15,809 QSOs and 9,460 QTCs were received (in comparison to 2003: 170/19,004/12,358). All paper logs were typed in



The team of UU7J in WAEDC SSB 2004. Left to right UU4JMG, UT5UGR and UU0JM.



Tibi, HA1DAE, operated in the CW and RTTY parts with his old and trustworthy FT-902DM.

by volunteers (special thanks to DH4SBO†, DL4RDJ, DL8WX, DL9NDS and DL1MGB this time) and so all entries could be verified electronically.

879 logs from 108 (2004: 106) countries (66 DX, 42 EU) were received for the CW contest representing a total of 273,804 QSOs and 269,020 QTCs. On SSB 771 logs were received from 119 (2004: 114) countries (73 DX, 46 EU) reporting a total of 197,651 QSOs and 183,635 QTCs. RTTY had 636 logs from 97 countries (55 DX, 42 EU) representing 169,119 QSOs and 102,143 QTCs. A total of 946 awards and 63 plaques have been shipped for the WAEDC 2004.

We had 1268 Single OP/Low Power logs, 716 Single OP, 158 Multi-OP logs, 45 SWL entries and 99 Check Logs this time.

There were a total of 5,375 callsigns of stations making 20 or more QSOs in CW, 12,395 in SSB and 2,532 in RTTY. Interestingly, these numbers are very stable over the years so it seems that activity was about as good as in previous years but many more stations submitted their log for the 2004 contests.

Thanks to many individuals and groups, some of the rare WAE countries were on the air during the 2004 events. Seven special prizes for rare country activation are awarded this year to: C31CT, CU2JT, CU3AA, SV9/ DJ9AF/P, TK/DL4FF, MM/DL6MHW, SVØXAI/9 and the group of R1MVI.



Mike, F5IN, turned in a fine score in WAEDC CW and SSB 2004.

Out of the 72 WAE countries, all but 1AØ, HV, JW/B, OJØ, R1F, and SV/A were active in 2004.

CW

The CW contest started out well with a nice 80 m opening on Saturday morning. The high bands were average, with no North America openings. Sunday showed some really surprising openings on 10 meters, with JA coming through at 12z, followed by a big solar flare in the afternoon and nice scatter propagation to North America in the evening. Al, 4L5A, went to his nice QTH on the Cape Verde Islands and keyed his way to the top of the world. With almost three million points D4B had the highest score of ALL stations in the CW contest, including the multi operator category. Apart from setting a new world record, D4B also set a new high on QTCs and multipliers. EA8BH, operated by OH2PM and RG9A, the special callsign of Yuri, UA9AM, came in second and third in the Single Operator category outside Europe.

In the Low Power Category, TA2ZF, Sergei (UT5UDX) caught the top spot with almost 1 million points. Second came Yuri, VE3DZ, followed by Vitor, PY2NY. The first two scores also would make it into the high power top ten. In the Multi Operator category, KC1XX turned in an impressive score and edged out the competition from Bashkortostan, RT9W, who came in just slightly behind. Third was the perennial team at N3RD, who have shown up in this contest every year since 1995.

The Top SWL outside Europe is again RZ3BY/Ø. Also in Europe nothing changed and LYR-794 caught the top position like in previous years. Again, Vilmantas raised the European record to a new high. The Single Operator category in Europe was a tough battlefield. Only 23 % separated the top score from the tenth score which means that there was really a strong competition. There is no other category with so much fighting! When the dust settled, Stefan, DL1IAO, who operated from the Lampertheim radio club DLØWW, came in first. He was closely followed by LY7Z (LY2TA) and Boris, S58A – who had won first place last year.



Operator Steve, GW7X, on Friday afternoon before the contest.

The Low Power category, also a very competitive place, is lead by Filipe, CT1ILT, closely followed by I3MLU (operated by IZ3EYZ) and LY3BA. CT1ILT set a new European record in this category. The Multi operator category again saw a tough competition. When the dust settled, RU1A came out first, closely followed by DAØWAE, a special memorial callsign aired from the QTH of DFØCG. Third place honors go to DLØXM.

SSB

Alex, 4L5A, returned to Cape Verde in the SSB portion and captured world honors again in the Single Operator category turning in another record breaking score with over 4 million from D4B. The second and third places went to RG9A and VE3AT both very close to each other, but less than half of D4B's score.

In the Low Power category ST2T operated by S57CQ reached the top position with a record score, more than double the score of the follow-uppers EX2T and VE3DZ.

In the Multi Operator category, 9K2HN talked their way to the top, edging out the German team who had tried their luck from Curacao.

Top SWL logs on SSB came from JA6-933Ø/1 outside Europe and R3A-847, the latter being



Andrzej, SP5XSD/4, scored just over 10k points to be eligible for the WAE Super Bowl.



DL2VB, at the controls of DL0GL. Marvin is blind and uses a Braille display which allows him to read text on the screen. You can see this below the keyboard. Using the popular TR software by N6TR, he is able to log QSOs and QTCs without help, up to four QSOs per minute.

a new European record. Inside Europe, RW1AC again captured the top spot in the Single operator category operating from the RU1A location with a great score. Vlad was followed by Andy, LY7Z (LY2TA), and Steve, GW7X (GW4BLE).

In the Low Power category, DF7YU from Southern Germany worked very hard and reached the top position, followed by ON6NL and UA4FER.

The Multi Operator category seems to be a German domain with four out of the six top scorers coming from there. The first place again goes to the Ilmenau Contest station DFØHQ, who also set a new overall multiplier record. DAØWAE, the commemorative station again aired at the QTH of DFØCG came in second followed by the UU7J team from Crimea.



The neat shack of Steve, GW4BLE, which was operated under the special call sign GW7X in the SSB part.

RTTY

Propagation on RTTY was very poor. Still, a remarkable increase in participation was recorded.

Like in previous years, nobody was able to beat ZX2B out of his top seat in the Single Operator category. Wanderly also set a new record in QTCs. Second place went to KM4M operated by W3BP, while ZC4LI came in third from BSB on Cyprus.

In the Low Power category, UN7PBY, CN8KD and 4Z5CP fought for the top three positions with Kazakhstan in the pole position.

The DX Multi operator category is lead by RK9CZO, followed by RZ9SWR and WØLSD. SWL participation was sparse from the DX side with only RUØSN turning in a log. On the European side we had several competitors but ONL383 turned in the best score.

On the European side, LY2IJ turned in the highest world wide score in the Single Operator category, even beating ZX2B's incredible figures. Second place went to 9A5W, followed by EO3Q.

Low Power is also very popular on RTTY. UY8IF came up with a final score slightly below 1 million, also setting a new record. He is followed by G1W (MØSDX) and EU1MM.

The Multi operator category saw a real nice performance from UT9F who set a new record

in score, QSOs and Mults at the same time. Second place went to DAØWAE, this time operated from Southern Germany. LX5A came in third.

Golden Logs

Our log checking methods a constantly being improved and refined. We find almost everything with a very small portion of errors remaining undiscovered. However, there are some logs with an error rate of 0 %, so-called "Golden Logs"

28 stations on CW, 47 on SSB and 24 on RTTY had no errors in their logs at all. The stations which scored highest with an error-free log were:

"Golden Logs"

Mode	Call	QSOs	QTCs	Mults	Score
CW	PA3BFH	120	0	79	9,480
SSB	K2UOP	200	199	154	61,446
RTTY	G7TMU	158	0	168	26,544

Broken Calls

Every year there is number of call signs which seem to be difficult to copy. For reasons of curiosity, we have compiled an overview in this special sector.

The worst broken call on CW was UA4WA/9 who came out in 14 different versions: EA4WA/9, EU4WA/9, RA4WA/9, UA3WA/9, UA4AU/9, UA4AW/9, UA4WA, UA4WA/P, UA4WA/UA9, UA4WAE/9, UA4WAX/9, UA9/UA4WA, UA9WA, UA9WA/9. Another good one on CW was VY2/KD4D with 13 variations: 4Y2/KD4D, VQ2/KD4D, VY/KD4D, VY1/KD4D, VY2/BD4D, VY2/DK4D, VY2/KD2D, VY2/KD4B, VY2/KD4H, VY2/KD4KD, VY2/KD4T, VY2/KS5D, VY2CKB. SSB has its own characteristic patterns when it comes to copying mistakes. The top two broken calls were 9K2HN with 11 variations, namely 9K1HN, 9K2AN, 9K2HNN, 9K2HK, 9K2HM, 9K2YM, 9K4HN, 9M2HN, K2HN, NK2HN, PK2HN and DFØHQ with 9: DEØHQ, DFØCQ, DFØGQ, DF2HQ, DF4ØHQ, DF6GQ, DFOHQ, DHØHQ, PFØHQ.

Finally, RTTY brought up some good call signs with 13 different versions being the record: S5Ø46A was copied as SØ46A, S5Ø45A, S5Ø46, S5Ø46I, S5Ø46J, S5Ø46U, S5Ø49DXA, S5Ø4A, S5Ø66A, S5Ø6A, S5ØA, S56A and S9Ø46A. W1AJT/VE3 came out as A1AJT/VE3, VE3/W1AJT, W1AJ/VE3, W1AJØ/VE3, W1AJT/ME3, W1AJT/P, W1AJT/VA3, W1AJT/VE, W1AJT/VE2, W1AJT/VT3, W1AJZ/VE3, W1JT/VE3 and W7AJT/VE. Finally, YU/OK1CRM, YUØ/OK1CRM, YU8/MK1CRM, YU8/OK1CMR, YU8/OK1CPM, YU8/OK1CR, YU8/OK1CRN, YU8/OK1CRV, YU8/OK1IRM, YU8/OK1VG, YU8/OK1VRM, YU8/OK2CRM and YU8/OK7CRM turned out to be the real YU8/OK1CRM.

Coming Up: WAEDC 2005

The 51st WAEDC is coming up! Please find the new dates on the inner cover page of this booklet. No changes to the rules were made as the old concept has proven to be so successful.

After every contest there are a few voices indicating that Japan call areas are not shown correctly in the results and should be changed. We are totally aware that the geographical call areas in Japan are not reflected in the 7J...7N call sign block. When we made the change from countries to call sign districts, we had to find a compromise and ignoring the special treatment of this call sign block was the best idea we could come up with. Otherwise, a lot of really complicated changes would have to be introduced in a variety of logging software. Anyway, thank you for your consideration and if you can come up with a realistic proposal on how to handle this exception, we would be pleased to hear from you. The same is true, by the way, for ZL6QH as ZL6 is not a call area of its own.

After this little excursion, 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.

For QTC training, please take a look at the Web site. We have prepared MP3 files with QTC traffic for you to listen to.

Ben, DL6RAI, WAE-DX-Contest Manager

WAEDC 2004 International DX Club Competition

Winner Europe: Bavarian Contest Club (DL) 38,981,772 points

Winner Non-Europe: Frankford Radio Club (W3) 14,541,571 points

Europe

BavarianContestClub(DL)	38,981,772(111)
RheinRuhrDXAssociation(DL)	18,468,772 (49)
LithuanianContestGroup(LY)	11,534,532 (8)
RussianContestClub(UA3)	8,796,508 (19)
WorldWideYoungContesters(*)	7,669,591 (27)
CrimeaContestClub(UR)	6,339,167 (6)
VrhnikaContesters(S5)	4,837,591 (9)
ContestClubFinland(OH)	4,453,911 (15)
UkranianContestClub(UR)	3,717,193 (18)
KaunasUniversityofTechnologyRadioClub(LY)3,391,963(16)	
YUContestClub(YU)	3,177,135 (4)
Z30MContestTeam(Z3)	2,790,319 (5)
SloveniaContestClub(S5)	2,683,070 (5)
SkyContestClub(YU)	2,628,678 (3)
LatvianContestClub(YL)	2,341,823 (14)
DL-DXRTTYContestGroup(DL)	2,069,165 (16)
CzechContestClub(OK)	1,687,835 (5)
HADXCub(HA)	1,518,047 (5)
ChilternDXClub(G)	1,497,352 (5)
SPDXClub(SP)	1,462,619 (22)
MarconiContestClub(I)	1,208,957 (7)
DXGroupThuringia(DL)	1,111,475 (17)
SüddeutscheDXGruppe(DL)	873,798 (4)
BelarusContestClub(EW)	464,729 (3)
BritishAmateurRadioTeledataGroup(G)	450,791 (5)
KievContestGroup(UR)	421,601 (5)
TikiriikiContestClub(I)	336,228 (3)

SPContestClub(SP)	288,192 (6)
YODXCub(YO)	246,725 (5)
VladimirRadioClub(UA3)	197,321 (6)
KontestKlubKrasnodarskogoKraya(UA6)	117,350 (5)

Outside Europe

FrankfordRadioClub(W3)	14,541,571 (31)
PotomacValleyRadioClub(W3)	12,167,502 (46)
UralContestGroup(UA9)	10,713,228 (18)
YankeeClipperContestClub(W1)	9,323,673 (26)
ContestClubOntario(VE3)	7,191,488 (26)
TuPYDXGroup(PY)	4,302,243 (6)
CentralSiberiaDXClub(UA0)	3,255,439 (10)
TennesseeContestGroup(W4)	2,666,261 (17)
SocietyofMidwestContesters(W9)	2,481,458 (10)
AraucariaDXGroup(PY)	2,209,239 (5)
BashkirianDXClub(UA9W)	2,204,567 (3)
GuaraDXGroup(PY7)	1,376,108 (14)
SouthEastContestClub(W4)	1,298,645 (14)
FloridaContestGroup(W4)	941,957 (4)
NorthTexasContestClub(W5)	485,929 (8)
NorthernCaliforniaContestClub(W6)	323,699 (9)
MetroDXClub(W9)	224,965 (3)
MinnesotaWirelessAssociation(W0)	214,844 (3)
CarolinaDXAssociation(W4)	214,369 (3)
GrupoArgentinodeCW(LU)	192,289 (4)
SouthernCaliforniaContestClub(W6)	160,940 (4)
DaubervilleDXAssociation(W3)	116,953 (3)

Macedonia
Z38AV S 1118978 969 1208 514
(Op. YU7AV)
Z36W L 27680 135 38 160

Moldova
ER10O L 22780 134 0 170
ER3ZZ " 3105 45 0 69

Netherlands
PA5A S 168000 479 21 336
PA0JNH " 56852 244 0 233
PA5TT " 51648 269 0 192
PA3EWP " 25345 185 0 137
PA3AAV L 62721 245 58 207
PG7V " 43460 149 116 164
PAOLOU- " 33936 189 13 168
PA0BWL " 28124 178 0 158
PA0MIR- " 12810 113 9 105
PA3BFH " 9480 120 0 79
PAOKHS " 5100 75 0 68
PA1V " 2650 53 0 50
PA0LRK- " 1054 31 0 34
PA0ATG " 600 25 0 24
PA3AFF- " 70 7 0 10

Norway
LA6FJA L 99457 307 60 271

Poland
SN7Q- S 1544829 1303 1744 507
(Op. SP7GIQ)
SN8F " 622485 673 864 405
SP5GH " 191556 144 468 313
SP6EQZ/9 " 159392 332 212 293
SP5KP " 76558 379 0 202
SP6IEQ " 18327 149 0 123
SP9W " 12064 112 4 104
SQ3RX " 6698 52 145 34
SP4BOS " 5270 85 0 62
SP4ZO L 506844 474 970 351
SP5CJQ " 206525 302 449 275
SP4Z " 201116 295 439 274
SN5J " 132327 306 201 261
(Op. SP5JXK)
SP9EMI/9 " 111537 243 216 243
SP3DIK " 96397 329 0 293
SP8BAB- " 74175 345 0 215
SQ9FMU " 74045 295 0 251
SN6A " 59769 261 0 229
(Op. SP6CES)
SP9NSV " 51972 172 254 122
SP4GFG " 26690 170 0 157
SP9GFI " 23660 130 0 182
3Z8Z " 23214 146 0 159
(Op. SP8AJC)

SP7FBQ- " 15008 100 34 112
SP4AVG " 11424 119 0 96
SP8FHH " 9540 90 0 106
SP2AYC " 8748 81 0 108
SP6BEN " 8613 87 0 99
SP1DTG " 7821 79 0 99
SP3LWP " 7770 74 0 105
SP9IHP " 7680 96 0 80
SP2HMT " 7304 83 0 88
SP3JJA " 7050 75 0 94
SP3DOF " 6525 75 0 87
SP/OZ4FF " 3960 60 0 66
SP2DKI " 3025 55 0 55
SP8QED " 2990 46 0 65
SQ5EK/6 " 1482 26 0 57
SQ1EUG " 1435 35 0 41
SP3BGD " 476 17 0 28
SO6Y M 830496 932 756 492
SP9H " 659250 543 1215 375
SP9KAG/9 " 35844 181 128 116
SP4PBI " 24633 115 92 119
SP-Ø013-JG W 2 1 0 2

Portugal
CT1ILT L 1184288 904 1584 476
CT4DX " 2116 46 0 46

Romania
YR9P S 644910 769 785 415
(Op. YO9HP)
YO2ARV " 6800 100 0 68
YO7BGA " 1640 41 0 40
YO6BHN L 135056 259 475 184
YO4AAC " 90082 211 406 146
YO9WF " 80640 176 496 120
YO9AGI " 45114 219 0 206
YO3BWK " 39004 196 0 199
YO4ATW " 34278 197 0 174
YO2/DL1CW " 29295 89 226 93
YO7ARZ- " 12780 142 0 90
YO2QY " 9476 92 0 103

Scotland
MMØBQI/P L 2835 45 0 63
GM7TUD- " 2280 40 0 57

Shetlands
MM/DL6MHW L 111197 233 294 211

Sicily
IT9BLB L 4588 74 0 62
IT9ORA " 1584 25 41 24

Slovakia
OM7JG S 262260 573 357 282
OM3DX " 22770 165 0 138
OM4WW L 106800 243 202 240
OM8ON " 77568 205 199 192
OM1AF " 54870 221 74 186
OM7YC " 11445 105 0 109
OM1AW " 4636 69 7 61

Slovenia
S58A S 1627608 1223 1564 584
S57DX " 1358132 953 1629 526
S51Z " 695898 683 895 441
S56A " 489240 598 610 405
S57NRO " 17238 169 0 102
S59W " 11610 90 0 129
S57NL L 22176 164 12 126

Spain
EA5FID S 296296 479 557 286
EA5EOH " 18816 138 9 128
EA7WA L 214115 411 524 229
EA1WX " 108273 365 196 193
EA1CS " 44173 271 0 163
EA3KU " 12788 139 0 92

Sweden
852F S 574684 757 655 407
(Op. SM2LIY)
SM7BJW " 69832 268 76 203
855A " 51480 151 289 117
(Op. SM5AJV)
SK6HD " 47700 191 74 180
(Op. SM6FKF)
SM5DJZ " 29820 113 100 140
SK5SAS " 22936 99 89 122
SM5D " 19401 99 124 87
SM7EH " 16128 126 0 128
SM5QU L 66330 243 92 198
SM5AOG " 26240 164 0 160
85ØW " 8755 85 0 103
SM/DL6FBK " 6612 87 0 76
SM2YIZ " 3450 46 0 75
SM/5B4AGE " 1530 45 0 34

Switzerland
HB9ARF L 76944 276 60 229
HB9QA- " 9632 57 55 86
HB9AYZ " 1862 39 10 38

Ukraine
UW5Q S 1182324 826 1506 507
UT7QF " 336102 449 385 403
UYØZG " 256685 433 282 359
UY5ZZ " 239328 401 463 277
UT4EK " 83420 277 111 215
UT2UB " 41701 223 0 187
UT5ECZ " 23040 131 189 72
UW5WW " 20440 104 188 70
UR7EQ L 229174 318 629 242
UW2F " 228179 320 561 259
(Op. UTØFT)
UW5U " 143112 394 140 268
(Op. UY2UA)
UY5TE " 105536 227 317 194
UV1G " 50274 113 286 126
UY7C " 38896 136 150 136
UT5JAB " 22605 165 0 137
UX7QD " 12600 78 174 50
UT2IO " 12432 110 58 74
UU4J " 11700 130 0 90
(Op. UU4JO)
UT4NY " 9108 99 0 92
UY2RZ " 5395 65 0 83
UT1ZZ " 2193 51 0 43
UU7J M 1844767 1128 1741 643

UW7W " 200954 407 360 262
UZ4E " 20808 96 210 68
US5ZZ-SWL W 900 25 0 36

Wales
GW4BLE L 14076 102 0 138

Yugoslavia
YT1AD S 1347424 1032 1496 533
4N8A L 55160 153 241 140
(Op. YU1EA)

YT6A M 1906470 1327 1778 614
YZ1V " 113848 387 145 214

Outside Europe

Alaska
NL7G S 211012 719 767 142

Argentina
LPØH S 130896 315 333 202
(Op. LU7HN)
LU7EE L 141750 344 331 210
LU1EWL " 123950 333 337 185
LU4MHQ " 3105 36 33 45

Aruba
P43JB S 109648 303 320 176

Asiatic Russia Call Area 9
RG9A S 1914650 1848 1877 514
(Op. UA9AM)
UA9CDV " 1694441 1719 1732 491
UA9CLB " 1614422 1745 1757 461
RA9SG " 1392447 1608 1653 427
UA4WA/9 " 1250318 1570 1548 401
RX9AF " 951846 1368 1383 346
UA9PC " 948178 1425 1457 329
RV9JE " 921298 1341 1345 343
UA9SP " 830609 1179 1174 353
RV9JR " 780918 1241 1246 314
RZ9IR " 723110 1076 1089 334
RN9XA " 592644 843 860 348
RA9ST " 415520 821 875 245
RX9TX " 367965 718 725 255
UA9CBO " 162032 391 388 208
UA9XF " 44576 224 0 199
UA9FM " 38829 192 109 129
RX9FB L 552110 892 889 310
UA9APA " 550069 849 854 323
UA9CDC " 474624 833 703 309
RW9QA " 354564 663 660 268
RU9DD " 343536 654 609 272
RK9CR " 312246 635 619 249
RA9FTM " 302915 636 653 235
UA9WQK " 281105 685 360 269
UA9TZ " 253773 524 529 241
UA9FGJ " 243332 486 472 254
RW9IM " 227136 511 503 224
RA9KM " 164004 471 477 173
RV9WZ " 111232 632 0 176
UA9OA " 87192 342 350 126
RV9COI " 80976 241 241 168
RV9CLF " 53949 177 190 147
RW9UVB " 45765 176 163 135
RA9AE " 43036 186 185 116
UA9OV " 38700 150 150 129
RA9UN " 37389 172 191 103
RA9XU " 29304 407 0 72
UA9AFA " 27105 195 0 139
RU9CI " 13330 215 0 62
UA9OAL " 136 17 0 8
RX9WN " 2 1 0 2

RT9W M 2093333 2014 2035 517
RK9CWW " 897346 1093 1101 409
RK9JWV " 698896 1137 1162 304
RL9FYL " 2736 72 0 38

Asiatic Russia Call Area Ø
UAØANW S 381951 759 610 279
UAØACG " 236704 566 572 208
UAØAGI " 224847 442 461 249
RAØAM- " 224400 527 493 220
UAØAZ " 181823 521 530 173
RUØSN L 173700 452 448 193
RUØAT " 32204 186 202 83
RKØUWC M 106439 325 328 163
RZ3BY/Ø W 1056237 1315 752 511

UA9COI " 80976 241 241 168
RV9CLF " 53949 177 190 147
RW9UVB " 45765 176 163 135
RA9AE " 43036 186 185 116
UA9OV " 38700 150 150 129
RA9UN " 37389 172 191 103
RA9XU " 29304 407 0 72
UA9AFA " 27105 195 0 139
RU9CI " 13330 215 0 62
UA9OAL " 136 17 0 8
RX9WN " 2 1 0 2

Australia Call Area 3
VK3WWR L 4545 51 50 45

Australia Call Area 4
VK4GQ- S 14910 143 70 70
(Op. G3SQX)

Australia Call Area 6
VK6DXI S 8832 106 86 46

Australia Call Area 8
VK8AV L 18522 147 0 126

Azerbaijan
4K9W L 236860 509 402 260

Brazil Call Area 2
PY2OMS S 469899 669 768 327
(Op. PY5EG)

Brazil Call Area 3
PY3AU L 18468 89 82 108

Brazil Call Area 4
PY4FQ L 102488 276 281 184
PY4CEL " 38830 176 177 110
PY4PW " 2508 38 0 66

Brazil Call Area 5
ZW5B M 1266820 1632 1633 388

Brazil Call Area 7
PP7JR S 101103 238 265 201
PR7AR L 157440 299 341 246
PY7EG " 106560 480 0 222
PR7AB " 64533 209 230 147
PP7ZZ " 24472 133 133 92
PR7GY " 10001 87 50 73

PY2EMC " 467870 763 823 295
PY2NY L 591555 850 845 349
PY2NA " 43296 174 178 123
PY2NB " 4453 73 0 61
PY2XC " 1406 37 0 38

Brazil Call Area 8
PY8DA L 390439 674 677 289
PV8DX " 41472 160 164 128

Canada Call Area 1
VE1OP S 510576 954 980 264
VO1AU " 98439 229 242 209
VY1JA " 74664 312 300 122

Canada Call Area 2
VY2ZM S 1761470 1742 1788 499
(Op. K1ZM)
VY2/KD4D " 1648224 1748 1744 472
(Op. KD4D)
VE2AWR L 136884 335 336 204
VE2XX " 106343 273 278 193
VE2HLS " 3160 40 39 40

Canada Call Area 3
VE3AT S 1230425 1549 1566 395
VE3KZ " 671232 1090 1118 304
VE3DZ L 700872 1001 1013 348
VE3XD " 172144 401 411 212
VE3OSZ- " 140580 318 321 220
VE3IAY- " 94696 265 267 178
VE3CR " 77778 224 223 174
K2NV/VE3 " 39340 147 134 140
(Op. K2NV)

Canada Call Area 4
VE4YU L 42126 178 176 119

Canada Call Area 7
VE7FO L 24548 157 166 76
VA7ST " 14578 97 100 74

Canada Call Area 9
VE9DX L 194472 450 438 219

Canary Is.
EA8BH S 2186292 2119 2118 516
(Op. OH2PM)
EA8ASJ- L 45290 319 328 70

Cape Verde
D4B S 2999082 2704 2530 573
(Op. 4L5A)

Chile
XQ4ZW L 2666 52 10 43

Costa Rica
TI3M L 255723 519 560 237
(Op. TI3TSL)

Cuba
CO8ZZ S 116021 311 330 181

Cyprus
C4C S 1312400 1704 1696 386
(Op. 5B4AHA)
H2G " 601065 896 909 333
(Op. 5B4AGC)

Georgia
4L2M- L 107200 338 332 160

Hong Kong
VR2BG S 233155 521 534 221

India					
VU2UR	L	23381	109	118	103
Indonesia					
YB2EMK	L	4599	63	0	73
YB2ZCI	M	1408	32	32	22
INS-99	W	55	5	0	11

Iraq					
YI9KT	L	83226	429	0	194
(Op. SP3GTS)					

Japan Call Area 1					
JH1AZO	S	265359	643	704	197
JH1ALP	"	15260	108	110	70
JA1AAT	"	144	12	0	12
JK1LUY	"	2	1	0	2
JA1BPA-	L	137223	350	361	193
JM1NKT	"	90374	311	308	146
JA1XRH	"	35636	146	156	118
JA1CPZ	"	17936	114	122	76
JA1CP	"	8772	76	53	68
JA1CJP	"	4600	50	42	50
JR1NKN-	"	3196	54	40	34
JA1XPU	"	1368	27	30	24
JA1HG	"	1147	31	0	37
JA1HTG-	"	360	15	5	18
JR4PMX/1	"	72	6	0	12
JO1WIZ	"	48	8	0	6
JR7HOD/1	W	32	4	0	8

Japan Call Area 2					
JA2BQX	S	24453	117	130	99
JA2FSM-	"	3128	33	35	46
JE2HVC	"	2091	41	0	51
JE2HCJ	L	67378	279	292	118
JA2VZL-	"	30256	122	122	124
JA2KVB	"	28170	159	154	90
JA2KKA	"	10148	118	0	86
JA2KPV	"	4674	64	59	38
JA2KCY	"	3358	39	34	46
JK2VOC	"	1104	26	20	24
JA2QVP	"	384	16	16	12
JE2SOY	"	40	5	0	8
7K2PBB	"	8	2	0	4

Japan Call Area 3					
JH3AIU	S	822771	1427	1522	279
JG3VEI	"	157818	452	455	174
JQ3UDL	L	71020	288	242	134
JA3PYC	"	57352	213	215	134
JA3YBK	M	1098540	1543	1517	359

Japan Call Area 4					
7M4CDX	S	16800	103	107	80
7L4IOU	"	3168	36	30	48
JR4GPA	L	209976	675	671	156
JE4MHL-	"	127156	381	385	166

Japan Call Area 5					
JA5APU	S	150480	526	464	152

Japan Call Area 6					
JH6WHN	L	63665	304	291	107

Japan Call Area 7					
JA7NVF	S	490656	1111	1041	228
JA7IC	"	325409	794	809	203
JO7KMB	"	182787	477	480	191
JN7OJA	L	1920	32	32	30
JF7GDF	"	6	3	0	2

Japan Call Area 8					
JA8JCR-	L	30987	163	150	99

Japan Call Area 9					
JA9CWJ	S	106200	444	456	118

Jordan					
JY9QJ	S	1684230	1792	1830	465

Kazakhstan					
UN6G	S	517344	813	819	317
UN7MO	L	292320	607	611	240
Kyrgyzstan					
EX2M	S	1173545	1509	1462	395
EX2X	L	276411	696	693	199
EX2A	"	150290	401	390	190

Mexico					
XE2AC	S	17266	105	89	89
XE1NK	L	72	6	0	12

New Zealand Call Area 1					
ZL1AIH	L	8632	87	79	52

New Zealand Call Area 2					
ZL2AZ-	S	28512	134	130	108
ZL2BR	L	73050	248	239	150

Puerto Rico					
KP4JRS	L	240	12	0	20

Sri Lanka					
4S7NI-	L	50	5	0	10

Thailand					
HS0ZDZ	L	222084	549	567	199

Turkey					
TA2ZF	L	987609	1247	1266	393
(Op. M0SDX)					
TA3DD	"	28032	151	141	96

United States Call Area 1					
N4CW/1	S	545250	1084	1097	250
KC1F	"	302316	640	641	236
KA1DWX	"	73784	193	208	184
W1EBI	"	44415	159	156	141
KE1F	"	2700	54	0	50
K1GU-	L	76314	245	238	158
W1GD	"	63883	165	166	193
K1EP-	"	25080	113	115	110
AA1TV	"	40	5	0	8
KC1XX	M	2187504	2057	2086	528

United States Call Area 2					
N2NC-	S	1720258	1776	1793	482
AK2P	"	705947	1068	1145	319
(Op. W3MMM)					
W2YC	"	175695	339	350	255
W2UP	"	67568	203	209	164
KD2HE	"	13520	89	80	80
W2LE	L	103500	343	347	150
WB2AA	"	97544	273	275	178
W2JU	"	95046	224	210	219
W2UDT	"	50750	170	180	145
KA2D	"	29972	127	127	118
W02N	"	15808	96	112	76
K2EKM	"	7029	99	0	71
N2QOR	"	2226	42	0	53
NO2R	M	1377732	1574	1645	428

United States Call Area 3					
AA3B	S	1034064	1342	1330	387
KQ3F	"	780325	1202	1199	325
K3WW	"	742720	1040	1070	352
W3YY	"	503509	805	814	311
K3MD-	"	349752	759	775	228
K3OO	"	316756	623	629	253
W3VF	"	172928	448	448	193
WA3AAN	"	78624	230	238	168
W3HVQ	"	74390	221	209	173
N3AM	"	72696	232	234	156
N3NR	"	23432	100	102	116
W3UL	"	19400	101	99	97
K3UW	L	64428	202	211	156
WM3T	"	40749	147	142	141
W3CP-	"	22752	141	147	79
KB3MM	"	20904	100	101	104
K3FH	"	528	14	10	22
KB3KYZ	"	234	13	0	18
N3RD	M	1760682	1889	1922	462
K3DI	"	295035	592	565	255

United States Call Area 4					
NY4A	S	1013472	1233	1251	408
(Op. N4AF)					
N4BP	"	575333	1063	1060	271
K4BAI	"	399828	876	840	233
K4LTA	"	395200	771	829	247
KM4M	"	324852	755	763	214
(Op. W3BP)					
N4PN	"	304640	1120	0	272
K4YKZ	"	267860	565	570	236
W4MYA	"	264266	565	589	229
N4ZZ	"	247080	576	584	213
K4RO	"	214368	472	485	224
N4ZR	"	173328	468	474	184
K4AMC	"	86142	297	289	147
K4AF	"	63080	208	207	152
(Op. K9GY)					
W0YR/4	"	33116	236	251	68
N4GG	"	30294	147	150	102
N4MM	"	28083	126	127	111
W4NTI	"	18330	141	0	130
K4IU	"	17381	95	96	91
K4GMH	L	174324	390	406	219
K4OGG-	"	157560	408	400	195
NA4K	"	79920	274	281	144
K4DJ	"	53808	304	0	177
K4QPL	"	30602	146	140	107
K4FDF	"	28785	151	152	95

W4NZ	"	23968	109	105	112
KN4Y	"	19902	108	106	93
WD4GBW	"	18060	114	101	84
AA4CF	"	7950	51	55	75
AE4Y	"	6264	69	39	58
W04O	"	6160	53	35	70
AE4EC	"	814	18	19	22
N4NTO	"	418	19	0	22
K4AQ-	"	10	2	0	5

United States Call Area 5					
K5ZD	S	651750	820	830	395
K5MA	"	165066	450	452	183
N5JR	"	94284	300	282	162
W5GN	"	48360	189	201	124
K5SF	"	16380	87	93	91
WD5K	L	164304	485	493	168
N5AW	"	137274	404	418	167
KU5B	"	100098	283	320	166
N5ZK	"	6264	56	52	58
(Op. W5ASP)					
K5VG	"	231	11	0	21

United States Call Area 6					
K6XX	S	152402	414	428	181
N6ZZ	"	103350	340	349	150
W6UM	"	90470	269	276	166
W6FA	"	60342	265	269	113
W6NKR	"	30912	163	159	96
K6VVA	"	23280	146	145	80
K6III	"	10530	96	99	54
W6TK	"	7000	64	61	56
K6DGW	"	6912	69	59	54
N6NF	L	15038	104	102	73
W6FRH	"	10464	109	0	96
KN6Y	"	2618	33	44	34

United States Call Area 7					
K7GK	S	118305	357	360	165
W7YS	"	19952	116	116	86
KX7M	"	11024	107	105	52
K7VM	"	2412	34	33	36
KB7IA/7	L	102600	279	291	180

United States Call Area 8					
K2UOP	S	142380	338	340	210
K8JQ	"	28012	147	151	94
NU8Z	L	65296	213	211	154
K8AJS	"	45147	151	152	149
K8ZT	"	20592	98	110	99

United States Call Area 9					
W9RE-	S	1094173	1428	1459	379
N9RV	"	638280	876	897	360
W9OA	"	58088	211	213	137
W9WI	"	44375	355	0	125
KF9YR	"	4984	45	44	56
WJ9B	L	330186	726	735	226
K9QVB	"	286340	691	699	206
W9ILY	"	91606	279	283	163
K9OSH	"	44330	150	160	143
W9HLY	"	13510	94	99	70
W9AEM-	"	8736	84	0	104
KG9N	"	8448	99	93	44

United States Call Area 0					
K0FX	S	104796	309	330	164
K0KX	L	36934	153	160	118
K0HW	"	27768	130	137	104
NE0P	"	1088	32	0	34
KE0G	"	675	25	0	27

Uruguay					
CR7BY	S	156523	399	412	193
Venezuela					
YV7QP	L	37516	158	174	113

Disqualification

-none-

Station Operators

||
||
||



50th European DX Contest (WAEDC) SSB 2004

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

WAE-DX-Contest Team: DH4SBO+P, DJ1OJ, DL1MGB, DL2LAR, DL2NBU, DL3ABL, DL3DXX, DL6MHW, DL7MAE, DL8WPX, DL8WX

Continental Winners

Single Operator

Africa	D4B
Asia	RG9A
Europe	RW1AC
North America	VE3AT
Oceania	VK2GWN
South America	9Y4ZC

Single Operator/LP

Africa	ST2T
Asia	EX2T
Europe	DF7YU
North America	VE3DZ
Oceania	DU7MHA
South America	ZX2B

Multi Operator

Africa	-
Asia	9K2HN
Europe	DF0HQ
North America	K3DI
Oceania	-
South America	PJ2P

SWL Category

Africa	-
Asia	JA6-9330/1
Europe	R3A-847
North America	-
Oceania	ZL2001SWL
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

Andorra					
C31CT	S	774	18	0	43
Austria					
OEBOLK	L	20086	100	66	121
OE7AJT-	..	17980	67	243	58

Azores					
CU3AA	S	190463	637	0	299
CU2JT-	L	2013	33	0	61

Balearic Is.					
EA6EA	L	280	20	0	14

Belarus					
EW4MM	S	178227	264	357	287
EW3LN	..	36764	142	60	182
EW6AF-	..	5440	80	0	68
EU2MM	L	123080	199	525	170
EU4AA	..	30514	106	103	146
EW2BX	..	864	24	0	36

Belgium					
ON6NL	L	626364	612	912	411
ON4ADZ-	..	149370	387	379	195
ON4ON	..	68666	278	0	247
ON4KVA	..	1160	29	0	40
ONL383	W	74124	184	77	284

((Bosnia-Herzegovina))					
T93Y	L	28797	79	252	87
T92M	..	24806	158	0	157

Bulgaria					
LZ9R	S	59388	148	256	147
(Op. LZ3YY)	..				
LZ2A	..	400	20	0	20
(Op. LZ2DB)	..				

Top Scores

Call	Score	QSOs					QTCs					Multipliers				
		80	40	20	15	10	all	80	40	20	15	10	all			
Top Ten Single Operator																
Europe																
RW1AC	2408916	68	233	499	598	40	1438	1619	148	204	192	182	62	788		
LY7Z	2096220	39	305	499	680	32	1555	1483	108	198	166	176	42	690		
GW7X	1900320	55	290	760	631	33	1769	1441	96	156	150	146	44	592		
SS7DX	1797828	63	294	395	339	31	1122	1450	132	219	164	154	30	699		
LX7I	1720944	84	294	415	457	47	1297	1287	116	192	146	164	48	666		
LY2IJ	1652118	42	217	312	331	48	950	1351	116	186	180	172	64	718		
DK2OY	1640880	62	238	381	398	48	1127	1417	116	159	160	156	54	645		
YT1AD	1413788	61	145	512	819	25	1562	884	116	114	150	162	36	578		
LY1FW	1381978	32	158	399	347	36	972	1339	80	174	162	146	36	598		
DL7ON	1349300	73	103	347	234	55	812	1248	148	135	164	146	62	655		

Top Ten Single Operator Outside Europe														
D4B	4137858	252	542	1056	1130	769	3749	2578	180	156	106	108	104	654
RG9A	1995760	189	427	699	677	27	2019	2021	152	126	100	90	26	494
VE3AT	1953536	129	335	629	1243	0	2336	2360	112	114	94	96	0	416
KQ2M	1937128	160	169	703	1225	1	2258	2268	128	108	94	96	2	428
UA9CLB	1838295	148	387	879	590	12	2016	1989	132	129	100	86	12	459
9Y4ZC	1740010	69	616	744	856	1	2286	2269	72	126	90	92	2	382
JY9QJ	1736164	190	324	584	637	271	2006	1596	132	126	92	84	48	482
K3CR	1569488	132	170	716	837	1	1856	1872	120	105	98	96	2	421
KD4D	1372812	77	161	626	796	0	1660	1664	112	111	96	94	0	413
EX2M	1084680	17	96	800	665	76	1654	1490	36	87	90	86	46	345

Top Ten Single Operator/LP Europe														
DF7YU	716445	21	41	219	362	42	685	1084	44	81	104	130	46	405
ON6NL	626364	21	48	223	278	42	612	912	52	81	106	124	48	411
UA4FER	586720	21	61	216	206	7	511	1033	44	96	120	108	12	380
DJ9MT	472283	20	39	117	139	36	351	922	40	81	102	112	36	371
YT2A	414665	25	39	112	131	19	326	869	68	69	92	100	18	347
CT1HLT	406848	21	39	238	233	12	543	761	48	54	90	106	14	312
F6KZC	298350	5	38	210	183	79	515	403	8	69	96	112	40	325
Z36W	276660	15	27	202	144	33	421	533	40	54	80	86	30	290
DL4HG	266016	6	21	98	135	37	297	681	24	42	78	92	36	272
DJ9HX	256779	6	32	101	133	29	301	530	24	69	76	106	34	309

Top Ten Single Operator/LP Outside Europe														
ST2T	1668128	7	42	406	1232	720	2407	2332	28	60	72	100	92	352
EX2T	778938	88	169	331	393	26	1007	970	112	108	78	76	20	394
VE3DZ	740194	32	85	491	468	0	1076	1082	64	93	92	94	0	343
ZX2B	725224	1	63	192	402	410	1068	1084	4	69	78	94	92	337
KG1E	718388	50	85	477	530	0	1142	1110	76	87	84	72	0	319
4L2M	535018	25	114	408	386	1	934	892	40	93	84	74	2	293
H2E	454480	32	66	303	494	3	898	850	52	60	72	70	6	260
4X0T	442575	48	87	229	464	1	829	746	68	69	68	74	2	281
EX2X	418180	0	0	519	426	55	1000	1030	0	0	96	78	32	206
VE3XD	306764	0	41	324	353	0	718	729	0	54	78	80	0	212

Top Six Multi Operator Europe														
DF0HQ	4470408	77	371	601	979	76	2104	2178	192	252	248	236	116	1044
DA0WAE	4212640	77	348	871	840	50	2186	2334	164	216	242	214	96	932
UU7J	2327514	96	241	416	639	68	1460	1109	216	222	192	186	90	906
HG6N	2322165	54	189	552	674	71	1540	1577	132	153	188	194	78	745
DL0MB	1476832	28	154	542	380	49	1153	1276	76	156	158	160	58	608
DA0FF	1333800	20	257	356	324	36	993	1287	64	171	160	146	44	585

Top Six Multi Operator Outside Europe														
9K2HN	2478744	127	465	695	913	399	2599	2177	128	123	94	98	76	519
PJ2P	2185137	120	479	804	754	115	2272	2309	124	123	96	92	42	477
R8SRR	1475605	52	492	675	429	90	1738	1767	72	129	90	90	40	421
LX0N	1194514	4	150	338	556	563	1611	1516	16	96	90	88	92	382
RK0AXX	1110022	104	323	528	507	0	1462	1327	100	120	90	88	0	398
LU2FA	1049622	12	144	325	474	561	1516	1298	28	93	82	82	88	373

Top SWL Category Europe														
R3A-847	2366199	232	540	1037	945	5	2759	310	216	249	150	148	8	771

Top SWL Category Outside Europe														
JA6-9330/1	95744	0	18	122	71	0	218	156	0	33	76	58	0	256

LZ1NG	L	131841	187	584	171	LZ1-H-192	W	118678	269	74	346	9A8MM	..	2140	25	82	20						
LZ2BE	..	84168	131	373	167	LZ2UZ	..	31360	96	149	128	Croatia	..										
LZ2UZ	..					LZ5Z	..	2058	49	0	42	9A7P	L	21710	65	269	65	Czech Republic	S	5202	51	0	102
(Op. LZ3DJ)	..					(Op. 9A6XX)	..					OK1DVK	..	608	19	0	32	OK2EQ	..				

OK2ZC	L	194145	215	688	215	DF3TE-	G22	223141	352	631	227	DK6AY	"	9266	96	17	82	F6KZC	L	298350	515	403	325
OK1DRQ	"	52728	141	197	156	(Op. DH1PAL)	"	"	"	"	"	DF2FM	F36	8256	40	152	43	(Op. F8CUG)	"	"	"	"	"
OK1MGW	"	28210	151	31	155	DL2OBO	H16	183210	410	181	310	DL6OZ-	H24	7161	71	22	77	F4DNW	"	131150	290	140	305
OK1KZ	"	19684	133	0	148	DJ3ST	A24	129541	196	265	281	DL5ANS	X23	6318	61	20	78	F5BBD	"	27720	165	0	168
OK2BEN	"	18060	105	0	172	DL1IAO	A24	115173	243	360	191	DL1EV	R04	5824	59	32	64	F6FTB	"	25272	108	135	104
OK1MNV-	"	16920	112	29	120	DJ8WK	O16	114142	171	355	217	DL5AOJ-	X24	5580	62	28	62	F6CZV	"	525	15	0	35
OK2ABU	"	15080	106	24	116	DL5XJ	M30	108576	187	437	174	DL3SCN	"	5456	62	0	88						
OK2EC	"	4416	69	0	64	DJ4PI	A36	99594	137	366	198	DL8YR	"	5244	31	107	38	Greece					
OK2SWD	"	3672	55	13	54	DL4AWA	X06	95480	185	249	220	DL3ZAL-	F58	5100	75	0	68	J43J	L	42476	184	75	164
OK2BND	"	728	26	0	28	DJ3IW	U13	80388	176	286	174	DJ5VI-	U15	3960	55	0	72	(Op. DJ5JH)	"	"	"	"	"
OL7R	M	416900	662	438	379	DF4UM	"	63899	129	278	157	DF1HF	E21	3551	40	27	53	Guernsey					
OK2-9329	W	50268	178	106	177	DK4IO	A36	62400	160	240	156	DHOJAE	"	3364	58	0	58	MU3GSY	L	2576	46	0	56
						DL4RCK	U13	60858	142	272	147	DL6UAM	Y24	3276	53	10	52	Hungary					
Denmark						DM5TI	C15	52875	210	15	235	DL7UXG	"	3074	53	0	58	HG8Z	S	224652	334	438	291
OZ1ADL	S	170448	536	0	318	DJ1ZU-	U14	50778	155	118	186	DL1AWC	X31	2537	43	0	59	HA7UG	"	60706	185	54	254
OZSEV	"	85840	155	141	290	DL4FAY	"	46812	249	0	188	DL4VAI	Z19	2494	43	0	58	HA1DAE	L	151217	188	461	233
OZ4RT	L	2610	45	0	58	DL6RBH	U20	40920	148	100	165	DL7VRG	"	2464	44	0	56	HA1CW-	"	23435	67	148	109
						DJ5MW	T13	35316	129	198	108	DB1RLE	P50	2352	42	0	56	HA6IAM	"	6256	68	0	92
						DL2RTL	Y09	28750	118	112	125	DC2VE-	O05	2340	45	0	52	HG6N	M	2322165	1540	1577	745
England						DL1PT	K15	27027	155	34	143	DL6OAK	H56	2340	45	0	52	Iceland					
GOMTN-	S	240030	367	578	254	DF9RD	U08	22344	133	0	168	DL3BRA	Y16	2156	49	0	44	TF3MA	L	4278	62	0	69
MOWLF	"	95321	479	0	199	DF3IS	A36	21580	94	166	83	DK2ZO	P05	1682	22	7	58	TF3W	M	12408	141	0	88
G3VAO	L	67510	126	304	157	DL9ZWG-	"	19465	95	134	85	DL1DQY	"	1680	30	0	56	Ireland					
G3RSD	"	27528	99	149	111	DF2RG	"	18624	78	116	96	DL3AZI	X06	1155	33	0	35	EI4CF	L	174033	405	144	317
G4GOY-	"	18419	119	44	113	DK8RE	Y43	18270	71	139	87	DL2RTJ	Y09	1088	32	0	34	Kaliningradsk					
G4NXG/M	"	12305	107	0	115	DL8UAA-	Y43	17907	141	0	127	DC10BB-	H24	840	21	0	40	Latvia					
G7RTI	"	1120	28	0	40	DF5AU	X22	17061	74	67	121	DL8ZAJ	F09	600	16	14	20	YL2TW	L	92004	150	342	187
M4U	M	213868	506	336	254	DL3ABL	W37	16362	81	81	101	DD7ZE	F22	510	17	0	30	YL2PP	"	2145	39	0	55
						DH0GHU	A30	15925	51	194	65	DL6MHT	C12	400	20	0	20	YL1XN	M	50041	130	177	163
Estonia						DA0EKO	Y13	12100	90	10	121	DJ1VQ	I26	264	12	0	22	Lithuania					
ES4MM-	L	4675	43	42	55	(Op. DL8UKE)	"	"	"	"	"	DL1APX	X31	171	9	0	19	LY7Z	S	2096220	1555	1483	690
						DL6MHW	W37	12065	49	78	95	DK0JRS	"	160	10	0	16	LY2IY	"	1652118	950	1351	718
European Italy						DK2WC	O04	11928	61	152	56	DC1SBF	P51	144	12	0	12	LY1FW	"	1381978	972	1339	598
IR2Y	S	595404	612	720	447	DF5BX	I37	10692	99	0	108	DL0DBO-	U15	120	12	0	10	LY9Y	"	1019844	844	1144	513
(Op. IK2QEI)	"					DK0MN-	C12	10478	65	104	62	(Op. DF7RT)	"	"	"	"	"	(Op. LY2CY)	"				
I1COB	"	268372	604	190	338	(Op. DK3YD)	"	"	"	"	"	DL7LZ-	"	60	6	0	10	LY4AA	"	225318	267	532	282
IK7SBU	"	8178	87	0	94	DH1TW	P31	10200	36	168	50	DF7F	A24	12	2	0	6	LY3BH	"	130767	222	257	273
IR2K	"	4144	46	28	56	DC3RJ	"	10098	99	0	102	DF0HQ	X34	4470408	2104	2178	1044	LY3BA-	"	50400	198	152	144
(Op. IK2HKT)	"					DG4MCB	"	7505	79	0	95	DAOWAE	"	4212640	2186	2334	932	LY2UF	"	21888	71	233	72
IR2V-	L	21316	70	222	73	DL6DVU	"	6048	84	0	72	DAOFF	F36	1333800	993	1287	585	LY2FN	"	2064	26	17	48
(Op. I2WII)	"					DL7PP	K32	5432	97	0	56	DK5EZ	R29	800808	894	747	488	LY2OU	L	25368	112	56	151
I1IM	"	5106	69	0	74	DL3AMA	X06	4806	54	0	89	DKAQT	N01	800586	767	655	563	LY3BY	"	8	2	0	4
(Op. IK1SOW)	"					DK5OA	H03	3132	54	0	89	DL0ES	O27	639158	592	994	403	LY7A	M	279310	312	589	310
IK2AIT-	"	3960	66	0	60	DL3SOA	H03	3132	54	0	89	DKAQT	N01	800586	767	655	563	LYR-794	W	1894025	1318	657	959
IK5WQO	"	434	14	0	31	DH5MM-	W05	1568	32	0	49	DL0G/P	L07	599808	727	835	384	LY1DT	"	422812	426	266	611
						DD9HK	"	952	28	0	34	DL0G/P	L07	599808	727	835	384	Luxembourg					
European Russia						DL3AWI	X06	860	20	0	43	DJ1CW	I12	562553	566	1001	359	(Op. LX2AJ)	"				
RW1AC	S	2408916	1438	1619	788	DL7CU	"	784	28	0	28	DL0QS	I45	510255	415	890	391	Macedonia					
RU6LA	"	1013289	859	794	613	DLANTC	"	588	21	0	28	DK4JN	R20	457216	993	223	376	Z37M	S	180	5	7	15
RD3A	"	350124	612	366	358	DF7YU	N01	716445	685	1084	405	DL6EZ	R01	446000	627	488	400	(Op. Z32ID)	"				
(Op. RD3AF)	"					DJ9MT	M11	472283	351	922	371	DL8NCR	B13	388926	333	721	369	Z36W	L	276660	421	533	290
RA6AFB	"	75816	268	56	234	DL4HG	E38	266016	297	681	272	DL0GZ	F16	318136	328	546	364	Malj Vysotskij I.					
RA3XO	"	31360	123	73	160	DJ9HX	P50	256779	301	530	309	DJ3HW	H04	205344	256	488	276	R1MVI	M	62287	313	0	199
UA3AKO	"	19305	166	29	99	DJ9MH	B10	203095	192	563	269	DL0DV	W31	202601	327	394	281	Moldova					
UA4NC	"	9638	79	0	122	DL3AWB	X45	195843	250	423	291	DL0WTS	T27	159495	200	535	217	ER3ZZ	L	1160	29	0	40
UA3TCJ	"	9310	98	0	95	DL2RL	C13	137352	178	404	236	DK0WK	X36	134915	209	396	223	ER3GS	"	928	29	0	32
RX30M	"	6320	80	0	79	DL9EE	M11	118494	177	277	263	DK8IP	A24	29190	88	190	105	Netherlands					
RA3TT	"	4888	40	54	52	DL9NDS	B06	116886	250	212	251	DG4DB	O27	19591	143	0	137	PA5TT	S	17500	125	0	140
UA6LV	"	1200	24	0	50	DK0PC	M11	111760	159	281	254	DJ7LH	T01	18954	117	0	162	PA0MIR	L	204568	265	463	281
RX3TWA	"	22	1	10	2	(Op. DL9EE)	"	"	"	"	"	DJ1FZ	F16	7480	88	0	85	PC2T	"	146470	202	553	194
(Op. RA3TOX)	"					DL9GMN	V11	109032	184	465	168	DH1TS	G09	5850	73	2	78	PA0IJM	"	61992	328	0	189
RZ3TWW	"	22	1	10	2	DH4SBO-	U08	107916	255	274	204	DG5YHA	H04	2852	52	10	46	PG7V	"	54936	153	283	126
(Op. RZ3TC)	"					DL1OD	H24	107250	183	467	165	DC2YR	H04	2640	40	0	66	PA7RA	"	20988	93	105	106
UA3TT	"	22	1	10	2	DK1QC-	H19	101124	200	277	212	DF4AO	H04	840	28	0	30	PA1V	"	11400	114	0	100
RK3TYA	"	6	1	2	2	DL6UAA	Y43	98343	186	255	223	DF0IC	I41	616	22	0	28	PA0KDM	"	10900	109	0	100
(Op. RV3TH)	"					DJ9CS	M11	91580	188	192	241	DF0SI	T01	600	20	0	30	PA0LSK	"	3136	56	0	56
UA4FER-	L	586720	511	1033	380	DK7FP-	L05	74052	131	481	121	DK9IP	A24	450	7	18	18	PE2KP-	"	2646	49	0	54
UA4SKW	"	224865	244	545	285	DM3HZN	S53	67423	226	127	191	DL0AU	T01	442	17	0	26	PA3ADJ	"	1920	48	0	40
UA3LHL-	"	135850	191	524	190	DJ6TK	E34	58380	144	276	139	DJ5IR	A24	294	6	15	14	PA0LRK	"	1564	34	0	46

Japan Call Area 9			
JF9QOY	S	552 23	0 24
JA9DSJ	L	120 10	0 12
Jordan			
JY9QJ	S	1736164 2006	1596 482
Kazakhstan			
UN6G	S	97851 291	288 169
Kuwait			
9K2HN	M	2478744 2599	2177 519
Kyrgyzstan			
EX2M	S	1084680 1654	1490 345
EX2T	L	778938 1007	970 304
EX2X	"	4181800 1000	1030 206
Malawi			
7Q7RB-	L	16800 240	0 70
(Op. IN3BHR)			
Mexico			
XE1L	S	33696 162	150 108
XE2AC	"	4408 75	1 58
Netherlands Antilles			
PJ2P	M	2185137 2272	2309 477
New Zealand Call Area 2			
ZL2UO	S	59732 230	206 137
ZL2DZ	L	3300 57	53 30
ZL2ØØ1SWL		W31416 168	0
Ogasawara			
JD1BA	L	168 14	0 12
Oman			
A45WG-	S	87892 534	488 86
Philippines			
DU7MHA	L	49609 178	195 133
Puerto Rico			
KP4JRS	S	39663 181	170 113
WP4BL	L	56 14	0 4
Singapore			
9V1YC	S	26352 195	171 72
9V1GO	L	23232 176	0 132
South Africa Call Area 9			
ZS9Z	S	362208 1047	570 224
Sudan			
ST2T	L	1668128 2407	2332 352
(Op. DL9NEI)			
Thailand			
HS1PDY	L	51410 240	245 106
E21E1C	"	456 19	0 24
Trinidad & Tobago			
9Y4ZC	S	1740010 2286	2269 382
Turkmenistan			
EZ8CW	L	14805 105	0 141
United States Call Area 1			
W1ZM-	S	927199 1529	1572 299
(Op. KØEJ)			
K1JF	"	386904 689	683 282
KC1F	"	275548 754	760 182
W1GD	"	139722 316	322 219
K1TC	"	44020 184	171 124
K1TTT	"	42402 289	284 74
W1CSM	"	17812 96	50 122
4U1WB	"	432 16	0 27
(Op. AJ3M)			
KG1E	L	718388 1142	1110 319
N1API	"	154050 531	496 150
K1HTV	"	82150 268	262 155
K1GU-	"	1548 23	20 36
N1WI	"	525 21	0 25
WA1ZYX	M	20904 136	20 134
United States Call Area 2			
KO2M	S	1937128 2258	2268 428
AK2P	"	931845 1273	1280 365
(Op. W3MMM)			
W2UP	"	372960 715	725 259
NO2R	"	248236 535	549 229
K2UOP	"	61446 200	199 154
KC2MDQ	"	41075 132	133 155
KD2HE	"	24947 119	128 101
N2VW	"	23760 89	87 135

N2BJ	"	22149 207	0 107
W2OO	"	10656 75	73 72
N2MUN	L	53213 210	509 127
K2PH	"	22932 116	118 98
W2FB-	"	5886 109	0 54
United States Call Area 3			
K3CR	S	1569488 1856	1872 421
(Op. LZ4AX)			
K3WW	"	732933 1331	1296 279
N3RD	"	693933 1047	1000 339
KQ3F	"	566109 1174	1175 241
WX3B	"	388455 820	833 235
K3OO	"	157617 376	371 211
K3SV	"	82468 198	191 212
W3DOS	"	26712 125	127 106
(Op. K9GY)			
W3UL	"	14820 77	79 95
W3PT	"	9894 102	0 97
W3KWH	L	171500 436	439 196
(Op. DL4ZAA)			
W3LL	"	11102 88	3 122
K3DI	M	562428 915	923 306
United States Call Area 4			
KD4D	S	1372812 1660	1664 413
K4YKZ	"	269884 618	620 218
K4BAI	"	201835 552	539 185
N4GC	"	39274 136	133 146
N4MM	"	32004 128	126 126
N4ZZ	"	26520 201	189 68
K4IU	"	19624 111	112 88
KM4M	"	16836 95	88 92
(Op. W3BP)			
AE4EC	"	1080 30	0 36
K4SV	L	10138 97	40 74
K4LW	"	8181 52	49 81
K14FDF	"	3744 45	33 48
NQ4K	"	3360 70	0 48
K4GF	"	90 9	0 10
United States Call Area 5			
K5ZD	S	61685 185	180 169
K5SF	"	7469 57	40 77
WD5K	L	72336 273	275 132
WBS1ZD	"	1248 32	0 39
United States Call Area 6			
KJ6RA	S	55800 225	225 124
W6AFA	"	48792 212	216 114
W6UM	"	26676 122	125 108
W6TK	"	4480 43	37 56
K6ST	"	912 19	19 24
KN6RO	L	41640 173	174 120
AE6NY	"	928 22	10 29
United States Call Area 7			
K7RL	S	352500 742	758 235
ND2N/7	"	130152 371	377 174
(Op. DL9NEI)			
N7ZG	"	10752 103	65 64
W7ZR	L	15996 92	94 86
United States Call Area 8			
AC8G	S	249210 586	584 213
N8II	"	246582 631	566 206
KF8HR	"	70626 234	240 149
W8KW	L	13736 100	102 68
(Op. W8UE)			
K28E	"	4466 54	4 77
United States Call Area 9			
K9JS-	S	227368 583	589 194
KF9YR	"	48924 224	229 108
NX9T	"	17248 111	113 77
W9ILY	L	38682 152	155 126
K9QVB/9	"	37468 161	162 116
K9OSH	"	2772 34	32 42
W9VQ-	"	1224 34	0 36
KB9WBM	"	644 23	0 28
United States Call Area 0			
WØYR	S	617050 1067	1083 287
KØKX	"	162580 366	373 220
KØDAT	"	3410 55	0 62
KØHW	L	43018 157	157 137
NEØP	"	1722 41	0 42
Venezuela			
YV5OHW	S	199984 410	452 232
YV5IAL-	L	702 26	0 27
West Malaysia			
9M2TO	L	99264 382	322 141

Disqualification

- none -

Stations Operators

8S2F: SM2HWG, SM2LIY, SM2ODB, SM3JLA; **9K2HN:** 9K2RR, 9K2YM, 9K2HN; **DAOFF:** DL4NER, DB8NI, DL4NN, DL6FBL, DL5SDK; **DAO-WAE:** DB6JG, DF3KV, DH5HV, DJ7EO, DK6WL, DL3DX, DL6RAI, DL8WXP, DO1ET, JK3GAD; **DB7YAH:** DB7YAH, DL10BF; **DFØEL:** DK8ML, DG1MDO; **DFØHQ:** DJ9AO, DK7YY, DL1AUZ, DL3OI, DL3TD, DL5ANT, DL5AXX, DL7FER; **DFØIC:** DL6BBC, DK4BCE, DH1FY, DG6BBA; **DFØRA:** DL9MBK, DG1DET; **DFØSI:** DL1MDY, DL8MCP; **DF2IX:** DF2IX, DK8UM; **DF4AJ:** DF4AK, DF4AJ; **DF4AO:** DF4AM, DF4AO; **DG2YIR:** DD1OP, DG2YIR; **DG3UAS:** DG3UAS, DJ5IR; **DG4DB:** DO8DAR, DO2DBN, DH8DAR, DG4DB; **DG5YHA:** DG5YHA, DG6YHA; **DH1TS:** DH1TS, DF7WT, DO6PY, SWL Ole; ((DJ1CW:)) DJ1CW, DK6CW; ((DJ1FZ:)) ?; **DJ3HW:** DD6QN, DJ3HW; **DJ5IR:** DJ5IR, DK7IH; **DJ7LH:** DJ7LH, DK1MBY; **DKØWK:** DL3ARK, DL5ASE; **DK4JN:** DL1EBG, DL1ECG, DB1EPO, DL3EW; **DK4QT:** DK4QT, DF8XC; **DK5EZ:** DK5EZ, DJ2YE, DG4EG, DL8EBW, DL8EAC; **DK8BP:** DK8BP, DJ1EO; **DK9IP:** DK9IP, DF4IAO; **DLØAO:** DF5CB, DL3MAX; **DLØDV:** DG1MFI, DG4MNA, DH1MWO; **DLØES:** DJ2OV, DG8BDE, DH8DAP, DK5EO, DG6DCC; **DLOET:** DL9OT, DF1MA; **DLOGL/P:** ?; **DLOEG:** DF4ZL, DL6FBR, DL9FBE; **DLOJRT:** DF6CC, DC1IHR; **DLØMB:** DF2IY, DF2UJ, DJ5IR, DK9IP, DL3YM, DL7UIO; **DLOØS:** DL8OS, DJ6BS, SWL Irene; **DLOØMS:** DL3ABL, DL6MHV; **DL6EZ:** DC4AB, DL5JS, DL6EZ; **DL8NCR:** DL8NCR, DJ7AT, DL8NAS, DK4NAD; **HG6N:** HA3OV, HA3NU, HA6DX, HA6ND, HA6NY; **JA3YBK:** JF4FUF; **K3DI:** W3UL, K3DI; **LPOH:** LU7HN, LU7HF; **LU2EE:** LU3DR, LW5EE, LU8EGS; **LU2FA:** LU1FZR, LU2FA, LW7DX; **LVØN:** LU1INDC, LU2NI; **LY7A:** LY1FK, LY2NK, LY3DA, LY3NUT; **MAU:** MØZZO, G4EYE, G4WHK, G4FTP, GØVDJ, G4ZTR; **OL7R:** OK1XUV, OK1WV; **PJ2P:** DL6LAU, DL8ØBQ; **RIMVI:** RA3AMG, RA3CO, RK3BP, UA1CKC, UA1CDA, RZ1AK, RA1AR, ES4RZ; **R8SRR:** UA9PC, RZ9UA; **RAØAX:** RAØALM, RVØAR, RXØAE; **RKØQ:** RAØQC, RZ3BY; **RK9CWW:** RA9CMO, UA9CIR; **RK9JWH:** Vlad Klyuchero, Anatol Galkin; **RK9SWF:** RZ9SR, RA9S-9; **RK9XXX:** UA9XC, R9X-Ø11; **RN9SXX:** RW9SW, RX9SR; **SO6Y:** SP5HNC, SP6ML, SQ9UM, SQØET, SQ6MS; **SP3KPN:** SP3GXU, SQ3EPX; **SP4PBI:** SP4-17-ØØ1, SP4-17-ØØ2; **SP6KFA:** SP6JQC, SP6MLG; **SP6PCM:** ?; **SPØKRT:** SPØZV, Ginter; **TF3W:** TF3AO; **UU7J:** UU1JA, UU2JZ, UU4JMG, UU5JBO, UTSUGR, UUØJX, UUØJBL, UUØJM, UR5MAF; **UZ4E:** UR7EU, US-E-ØØ1; **WA1ZYX:** ?; **Y11XN:** Imants Kravalis (YL2HB), Anate Auzina, Janis Folksbergs, Raimonds Raginskis, Janis Akmentins, Artis Pucins; **YØ6KNY:** YO6GNM, YO6GUU; **YU7AJM:** 4N7TA, YU7YZ, YT7XT, Ivan, Andrej.

Checklogs

Many thanks to the following stations submitting checklogs: AK1Q, DE2TEN, DG1BQC, DL1DVN, DL2GBB, DL4UCS, DL5MHR, DL7VM, DL9ABM, DS3EXX, GM4AGC, IKØOTJ, IK3SCB, IU3A, K3ZO, K5WW, MMØDFV, OK1JOC, OZ1ACB, PA5O, PY2DBU, RK9KWI, RT9W, RV3DCC, RV6ASU, RZ3ØV, RZ4NWA, RZ9OS, SP/SMØJHF, SP3CUG, SP3XR, SP5ECC/5, SPØKJU, SPØPTA/9, SPØMZ, SV9/DJ9AF/P, TK/DL4FF, UA3BM, UA4RC, UR4CWQ, UR4UGL, UT7UW, UX5EF, YO2CMI.

Soapbox Comments

3Z6V: WAE 1981 1984 1985 1986 1987 1988 1989 1990 1992 1993 1994 1996 1998 1999 2000 2001 2002 2003 2004 = 19 × WAEDC **4XØT:** Very bad condition, but happy to be again in this contest. **9U6PM:** TS450 log periodic 80 Watts **9Y4ZC:** No condx on 10 mtrs spoiled the score significantly as well as poor condx on 80 mtrs. Otherwise I had a lot of fun running this contest SOAB for the first time. Will try to do better next year. **A45WG:** Nice contest. Likes the QTC's once I got used to them. A good measure of operator skill – should be used more. Qsl via QRZ.COM instructions. **AK1Q:** Thanks for organizing this contest. The sample SSB QTCs on the DARC web site were very helpful. **ATØD:** No good propagation this year on 20 m Trx homemade 50 w ant delta **D4B:** Thank you for great contest **DB1RLE:** 15 m war das ruhigste und erfolgreichste Band. **DC3RJ:** Insgesamt für mich enttäuschend, habe nur einen 21-MHz-Dipol und kann dann nur dort 250 W machen,

aber sonst gehts mit Antennentuner auch auf 20 m. In diesem Contest habe ich die wenigen DXCC aber alle auf 15 m gemacht? **DEFWVW:** Erstmalige Teilnahme, das Hören der QTCs war nicht immer einfach, starkes QRM und ORN – möglicherweise lokalbedingt. **DF6WE:** Had not enough time and Power: only FT817-PA 50Wts **DHØJAE:** FT817 mit 5 W und 7R000-Vertikal-Antenne. ST2T als 151. DXCC mit QRP gearbeitet. **DH2BDW:** Die Bedingungen waren diesmal nicht so gut, hatte aber trotzdem Spaß. **DH4SBO:** 15m war das einzige Band das ging... werde für ne PA sparen. **DH7AEC:** Der OP der Gegenstation vom QSO „167“ buchstabierte sein Call sehr unendlich, daß ich es im QRM und dem „Geschreie“ der anderen Contestteilnehmer trotz mehrmaliger Nachfrage nicht verstehen konnte, RST OK! **DJ1CW:** In whis year better propagation , also many DX station. Many trx for all who haded OSO whis my station. **DJ1ØJ:** Only few hours of operation on sunday evening, better than nothing. **DJ4PI:** Auch mit 70 ist der WAEDC immer noch eine Herausforderung! **DJ6TK:** SSB is not my mode. **DK2WC:** Da ich in der Bochumer Innenstadt wohne, bin ich über jedes SSB-QSO mit meiner GP im Garten froh. Auch weil die Condx m.E. nicht so gut waren. **DK7FP:** WAE - der Contest für den anspruchsvollen OP! **DK8RE:** Hatte leider wenig Zeit. **DLOOS:** Tolle condx. Dieses Jahr wegen der CM in der Multi OP Klasse mitgemacht. Aber leider wieder keine weiteren Operator in unserem OV für die Teilnahme an einem solch interessanten Wettbewerb begeistern können... **DL1GMM:** Fair conds, not much time to operate. I used only a R7 vertical antenna. **DL45DW:** Habe leider 10 QTCs von PJ2P verloren, weil die Rekordersoftware nicht funktioniert hat **DL5NAV:** Danke für einen schönen SSB DX Contest. **DL6OAK:** 1st participation in WAEDC. **DL8NCR:** Some problems with the computer, hang, change time and band. Good team, many points and have a lot of fun. Hear you next year. **DL8URJ:** Am Ende war es wegen der relativ schlechten Bedingungen und meines schlechten Standorts – mehr Krampf, als Kampf. Außerdem trieb mich die Abrechnung fast in den Wahnsinn, da ich die QTCs aus QW nicht in STF konvertieren konnte. **DL9MMØ:** Ohne 80-m-Antenne und für 40 m nur ein Dipol, da wird 100-W-Betrieb eine Herausforderung! Bis zum WAE RTTY, dann unter Club-Call! **DM5JBN:** Musste wegen Bug in CTWin alle QTC nachträglich von Hand eingeben... **EASDFV:** Always a great contest, I like QTCs more and more. **EA6EA:** My station is QRP. My antenna is 5/8 vertical for 10 m. **EA4CF:** Bands were in great condition. Will have to improve my typing for the qtc's next year. **F6FTB:** rig is the K2 from elecraft + 80 watts ; antenna is a 2 × 20 m doublet 183 qtc ; 111 QSO; 108 multi; score = 40077. **G3RSD:** I was surprised and pleased to find such good condx. **G4GOY:** No dx spotted using. **G4NXG/M:** My first ever mobile contact with Zone 18 on 80 metres was the highlight of the weekend. **GM4AGG:** Our sincere congratulations with the 50th years anniversary! **GW7X:** One more year to qualify for special plaque (Top ten list for at least five times) – cu in 2005! **HK3SGP:** This is my first WAE contest, it's very interesting. I try working in RTTY the next November. **HS1PDY:** It could have been better if there was no rain during contest. Still have a lot of fun. See you next year. **I1CØB:** Good Contest!!! Big station with big number!!!! **IK2AIT:** Good contest, I am shy with QTC, my tr program is old. Will try next year. **IK5WQO:** Thank you very much for this opportunity, I'll participate at next editions with much pleasure and, I hope, with better antenna conditions: I am using just an indoor multiband dipole... **IR2V:** WAEDC: Happy 50th anniversary! And thank you DARC Contest Committee! Glad to be in, also in the SSB part, to celebrate! QTC's are a lot better in SSB than in CW, but that's another story! Cu next one. **JA2MWV:** ANT: 14 m H4e Yagi rig; FT-107 PWR: <5W QRP. **JA3YBK:** Part time effort at that time. CU in the next contest. **JA9SCB/1:** Nice 15 m propagation this year on the saturday. But no contact on 10 m. Any way, congratulations on the WAEDC 50th anniversary. See you also next year with fine QSOs and smart QTC exchanges! **JF2FIU:** Thank you! **JØ2EHG:** It was a good condition except 28M. **JR4PMX/1:** Condx was not so good on Sunday when I QRVED, but I enjoyed the contest. **KØDAT:** Friday local time I had surgery; was in pain but did get to operate some of the contest. **K4SV:** I worked for two days using only a 3 element Mosley Mini 33 and a 100 W to make 100 QSOs. Until my new antennas go up I am using only this antenna. **K4YKZ:** No sleep deprivation for this year's WAE contest. HI. Here on Echo Mountain, 40 m was poor, 80 m & 10 m NIL, but 15 m was hot! **K6ST:** Lots of fun, some short band openings yet good! **K9JS:** Fun contest, one of my favorites. Thanks to the spensers and for all the Qs.



50th European DX Contest (WAEDC) RTTY 2004

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

WAE-DX-Contest Team: DH4SB†, DJ1OJ, DL1MGB, DL2LAR, DL2NBU, DL3ABL, DL3DXX, DL6MHW, DL7MAE, DL8WPX, DL8WX

Continental Winners

Single Operator	
Africa	FR5GS
Asia	ZC4LI
Europe	LY2IJ
North America	KM4M
Oceania	ZL2AMI
South America	ZX2B
Single Operator/LP	
Africa	CN8KD
Asia	UN7PBY
Europe	UY8IF
North America	WA2ETU
Oceania	YB0DPO
South America	ZX7A
Multi Operator	
Africa	-
Asia	RK9CZO
Europe	UT9F
North America	W0LSD
Oceania	-
South America	LT1D
SWL Category	
Africa	-
Asia	RU0SN
Europe	ONL383
North America	-
Oceania	INS-99
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

Austria														
OE2GEN	S	54027	207	0	261									
OE1KTS	L	28199	127	36	173									
OE8CCQ		16356	108	8	141									
OE1TKW		700	20	0	35									
OE500786	W	22704	172	0	132									

Balearic Is.														
EA6/														
DL8NBY	L	64507	242	9	257									

Belarus														
EW4MM	S	100386	338	0	297									
EU1MM	L	776875	890	485	565									
EU1AZ-		324421	622	117	439									
EW7EW		145730	494	0	295									
EU6PW		95259	339	0	281									
EU4AA		84952	251	45	287									

Belgium														
ON6NL	L	456885	512	411	495									
ON4QX		158004	258	274	297									
ON4ADZ-		135762	211	350	242									
ON6OM		65009	251	0	259									
ON7CFZ		47174	196	10	229									
ON4CHT		30615	157	0	195									
ON6LY		26195	139	30	155									
ONL383	W	294448	511	105	478									

Bulgaria														
LZ2BE	L	752742	809	540	558									
LZ9R		738150	858	472	555									
(Op. LZ3YY)														
LZ2UZ		108360	360	0	301									

Crete														
SVOXAI/9	L	56350	350	0	161									

Top Scores

Call	Score	80	40	QSOs			QTCs			Multipliers			all		
				20	15	10	all			80	40	20	15	10	all
Top Ten Single Operator															
Europe															
LY2IJ	1892511	350	333	342	237	52	1314	1103	184	201	172	168	58	783	
9A5W	1673712	238	276	270	262	46	1092	1032	180	240	146	156	66	788	
EO3Q	1507408	200	404	344	320	72	1340	851	156	204	122	140	66	688	
YO9HP	1188341	200	193	305	302	74	1074	697	152	171	108	160	80	671	
F6IRF	1078794	166	303	254	163	41	927	715	152	195	150	124	36	657	
RV6YZ/6	1075437	114	322	369	242	86	1133	550	120	195	124	120	80	639	
RD3A	959802	161	261	204	244	87	957	426	136	198	124	138	98	694	
RF4R	947642	102	199	233	224	134	892	546	120	171	144	132	92	659	
IV3IPS	877415	96	148	79	292	65	680	825	112	159	78	164	70	583	
II COB	812595	149	231	214	202	20	816	675	140	159	108	110	28	545	
Top Ten Single Operator															
Outside Europe															
ZX2B	1749804	1	96	225	524	252	1098	2280	4	120	114	160	120	518	
KM4M	1406790	115	207	218	478	95	1113	1197	104	159	116	156	74	609	
ZC4LI	1404817	108	381	210	334	259	1292	1077	136	165	90	120	82	593	
UA9CDV	1189020	103	206	263	237	43	852	1143	124	174	128	130	40	596	
EX2M	1130940	109	192	242	505	101	1149	705	120	156	128	128	78	610	
RX9SR	904040	161	134	264	244	100	903	1037	128	96	98	98	46	466	
YV6BTf	874000	0	174	211	319	124	828	1012	0	141	108	134	92	475	
VE1OP	757332	50	135	253	366	31	835	902	60	96	104	136	40	436	
AI9T	632584	85	152	155	267	30	689	789	72	108	86	134	28	428	
W4MYA	620004	71	88	147	298	39	643	809	56	93	90	142	46	427	
Top Ten Single Operator/LP															
Europe															
UY8IF	996624	138	328	285	306	81	1138	400	136	186	110	130	86	648	
G1W	800040	169	161	249	225	46	850	566	148	129	116	118	54	565	
EU1MM	776875	203	225	298	130	34	890	485	148	153	112	104	48	565	
LZ2BE	752742	150	148	253	225	33	809	540	140	138	100	130	50	558	
LZ9R	738150	158	155	285	206	54	858	472	128	129	110	118	70	555	
YU7AM	594042	210	197	129	104	34	674	412	152	165	94	84	52	547	
RA6AZ	591669	100	126	164	362	49	801	366	116	117	92	128	54	507	
UA3SAQ	481525	104	135	141	270	36	686	249	128	129	82	118	58	515	
ON6NL	456885	146	114	93	125	34	512	411	156	123	74	104	38	495	
UA4FCO	444430	75	122	174	200	73	644	263	104	90	92	122	82	490	
Top Ten Single Operator/LP															
Outside Europe															
UN7PBY	863655	77	113	146	265	72	673	1004	108	147	76	120	64	515	
CN8KD	818118	0	350	160	253	85	848	958	0	189	94	108	62	453	
4Z5CP	788430	3	259	115	170	233	780	1143	8	162	78	90	72	410	
ZX7A	755090	20	172	202	367	88	849	761	44	129	98	136	62	469	
WA2ETU	747648	84	111	143	342	27	707	877	68	114	108	144	38	472	
K4GMH	657386	104	180	144	239	32	699	727	68	129	90	134	40	461	
PY2NY	653540	2	112	130	224	105	573	1021	8	114	88	120	80	410	
EA8/DJ1OJ	532480	16	170	147	55	115	503	777	40	162	106	56	52	416	
YV5AAX	522300	0	86	209	212	0	507	1234	0	108	98	94	0	300	
UA0AGI	495730	48	59	148	207	30	492	622	80	105	104	116	40	445	
Top Six Multi Operator															
Europe															
UT9F	2119040	238	396	277	417	102	1430	1034	200	240	144	160	116	860	
DA0WAE	1400680	327	186	192	285	53	1043	800	196	186	158	148	72	760	
LX5A	1373701	354	228	244	270	39	1135	808	220	177	138	138	34	707	
Z37M	1366821	271	404	332	276	32	1315	602	176	231	108	148	50	713	
UZ4E	1159065	202	254	325	258	24	1063	734	168	165	120	148	44	645	
DH5HV	1117727	231	191	197	219	31	869	782	164	189	140	134	50	677	
Top Six Multi Operator															
Outside Europe															
RK9CZO	904995	164	163	245	220	19	811	1178	116	111	92	110	26	455	
RZ9SWR	679644	132	25	241	196	51	645	1182	116	30	92	92	42	372	
W0LSD	329175	48	181	175	175	20	599	256	52	117	80	106	30	385	
K4WWW	194832	35	73	48	108	5	269	469	44	72	50	92	6	264	
LT1D	133713	0	12	102	102	97	313	224	0	27	56	84	82	249	
RY9C	86944	0	0	56	111	63	230	342	0	0	58	56	38	152	
Top SWL Category															
Europe															
ONL383	294448	137	132	119	88	35	511	105	148	108	98	78	46	478	
Top SWL Category															
Outside Europe															
RU0SN	16120	0	0	18	54	10	82	73	0	0	22	64	20	104	

Croatia															
9A5W	S	1673712	1092	1032	788										
9A2KO	L	32032	176	0	182		</								

HB9DWL	"	32724	162	0	202
HB9DTM	"	29520	180	0	164
HB9BNK	"	3450	46	0	75
Turkey (Europe)					
TA1DX	L	7220	95	0	76
Ukraine					
EO3Q	S	1507408	1340	851	688
UT7QF	"	259600	550	0	472
UT5EPP	"	113200	400	0	283
UR5WCQ	"	86652	319	29	249
UT5UGR	"	41106	196	25	186
UU7JN	"	33473	187	0	179
UY8IF	L	996624	1138	400	648
UW2F	"	334950	691	79	435
(Op. UTØFT)					
UT2IO	"	221034	399	162	394
UR5SEH	"	166005	497	30	315
UX1IL	"	145827	314	177	297
USØMM	"	140868	559	0	252
UR8QR	"	124614	342	72	301
UTOH	"	112860	306	90	285
USØHZ	"	32868	198	0	166
URØCB	"	18318	142	0	129
UU9JQ	"	864	27	0	32
UT9F	M	2119040	1430	1034	860
UZ4E	"	1159065	1063	734	645
Wales					
MWØCRI	L	97726	373	0	262
GW4MVA	"	79110	269	24	270
MWØCPZ	"	58443	223	30	231
Yugoslavia					
YU7AM	L	594042	674	412	547
YU8/OK1CRM	"	92886	339	0	274
YU7AJM	M	7280	60	10	104

Brazil Call Area 8					
PV8DX	L	663	17	0	39
Canada Call Area 1					
VE1OP	S	757332	835	902	436
Canada Call Area 2					
VE2FK	L	47250	250	0	189
Canada Call Area 3					
W1AJT/VE3	S	275216	445	379	334
VA3DX	"	77044	166	246	187
VE3ESH-	"	74694	265	89	211
VE3JAO	"	14012	108	16	113
VE3XD	L	256425	441	348	325
VA3PL	"	128077	227	380	211
VE3DZ	"	87318	157	305	189
VE3IAY-	"	57824	229	49	208
VE3XAT	"	51772	171	130	172
VA3XRZ-	"	38750	139	111	155
VE3RCN	"	4290	55	0	78
Canada Call Area 6					
VE6YR	S	84480	262	250	165
Canada Call Area 7					
VA7ST	L	80370	306	117	190
Canada Call Area 9					
VE9MY	S	49132	144	140	173
VE9GLF	"	20860	110	39	140
VE9DX	L	83058	250	77	254
VE9IQ	"	48032	195	109	158
Canary Is.					
EA8/DJ1OJ	L	532480	503	777	416
EA8/	"				
ON4AXU	"	95448	328	0	291

China					
B4TB	L	22576	136	30	136
(Op. BA4TB)					
El Salvador					
YS1CJA	L	7128	99	0	72
French Polynesia					
FO5PS	S	3364	48	10	58
Georgia					
4L1BR	L	142438	298	324	229
Hong Kong					
VR2XLN	S	121306	250	213	262
VR2XLL	"	11408	65	59	92
Indonesia					
YBØWWW	S	20992	164	0	128
YBØDPO	L	460575	444	891	345
YB5QZ	"	353280	409	695	320
YB5BO	"	283725	318	555	325
INS-99	W	7035	21	180	35
Iraq					
YI9GT	L	27540	180	0	153
(Op. SP3GTS)					

Israel					
4Z5CP	L	788430	780	1143	410
4X6UU	"	353106	333	673	351
4X6UO	"	75460	282	404	110
Japan Call Area 1					
JF1PJK	S	299915	373	406	385
JE1GMM	"	185364	231	582	228
JM1XCW	"	179520	261	399	272
JR1BAS	"	27648	84	172	108
JR1NHD	"	5859	43	50	63
JA1OVD	L	191400	266	394	290
JM1NKT	"	131736	214	285	264
JA1XRH	"	102711	179	290	219
JA1BHK	"	102184	171	311	212
JG1GGU	"	65448	164	160	202
JA1BNW	"	28520	86	162	115
JA1BWA	"	15609	77	44	129
JA1XPU	"	2016	32	10	48
JA1CPZ	"	572	22	0	26
Japan Call Area 2					
JA2FSM	S	99120	192	221	240
JF2FIU	"	572	22	0	26
7N2UQC	L	71878	171	262	166
JA2CXF	"	56883	144	139	201
JA2KCY	"	22000	68	108	125
JF2SKV	"	15500	100	0	155
JA2QVP	"	5229	34	49	63
JQ1AHZ/2	"	570	19	0	30

Japan Call Area 3					
JH3CUL	L	98040	186	270	215
JA3HBF	"	22098	80	94	127
JR3NDM	"	27	3	0	9
Japan Call Area 4					
7L4IOU	S	69560	126	250	185
Japan Call Area 5					
JASJWQ	S	29964	97	130	132
Japan Call Area 7					
JA7EMH	L	161955	233	298	305
JN7NSV	"	442	17	0	26
Japan Call Area 8					
JA8EIU	L	27880	110	95	136
JA8UON	"	5412	52	30	66
Kazakhstan					
UN7PBY	L	863655	673	1004	515
UN8PO	"	95920	200	345	176
UN7MO	"	40506	314	0	129
Kyrgyzstan					
EX2M	S	1130940	1149	705	610
Lebanon					
OD5YY	S	14364	114	0	126
Mauritius					
3B8MM	L	317550	509	586	290
(Op. DL6UAA)					
Mexico					
XE1ZVO	L	31520	197	0	160
XE1YYD	"	12558	138	0	91
Morocco					
CN8KD	L	818118	848	958	453
New Zealand Call Area 2					
ZL2AMI	S	556450	514	1036	359
New Zealand Call Area 4					
ZL4HH	S	180780	304	386	262
Puerto Rico					
NP4BM	L	328500	543	333	375
Reunion					
FR5GS	S	459284	575	821	329
FR1HZ	L	84992	332	0	256
Singapore					
9V1UV	S	32856	135	87	148
9V1GO	L	128436	279	138	308
South Korea					
DS5DNO	L	13000	94	10	125
DS5KJR	"	7921	89	0	89
UK Bases on Cyprus					
ZC4LI	S	1404817	1292	1077	593
United States Call Area 1					
W1TO	S	102273	185	282	219
4U1WB	"	11284	124	0	91
(Op. AJ3M)					
NB1B	L	252650	351	464	310
KE1F	"	16536	159	0	104
KB1HDO	"	900	25	0	36
WF1L	"	198	11	0	18
United States Call Area 2					
W2UP	S	262728	325	659	267
W2YE/4	"	204769	412	255	307
NO2T	"	200075	309	446	265
N2BJ	"	169290	513	0	330
KA2D	"	81880	161	284	184
WA2ETU	L	747648	707	877	472
NT2A	"	123597	283	160	279
NC2N	"	60200	195	106	200
(Op. EW1AR)					
KA2CYN	"	22022	142	40	121
N2FF	"	12052	92	0	131
NA2JU	"	4550	65	0	70
K2MK	"	1410	30	0	47
W2NRA	"	836	22	0	38
United States Call Area 3					
W3FV	S	481338	673	449	429
K3WW	"	121141	238	291	229
KB3TS	"	121107	211	300	237
K3KO	"	120890	385	0	314
W3GQ	"	38781	92	187	139
K3SV	"	22101	109	30	159
N3AM	"	12519	62	55	107
W4ZE/3	L	431904	507	549	409
W3MEL	"	94656	348	0	272
K3DI	"	78870	211	119	239

W3DSX	"	14751	99	0	149
N3JT	"	13600	89	11	136
W3OFD	"	7546	77	0	98
KA5DON/3	"	2200	55	0	40
United States Call Area 4					
KM4M	S	1406790	1113	1197	609
(Op. W3BP)					
W4MYA	"	620004	643	809	427
K4SV	"	579860	602	866	395
AD4EB	"	376542	481	620	342
K9MUG/4	"	369325	491	378	425
W4UEF	"	256824	446	337	328
W4UK	"	192831	597	0	323
WX4TM	"	60588	181	125	198
K4VU	"	9430	72	10	115
W4BCG	"	7680	64	0	120
K4AQ-	"	7575	75	0	101
K4GMH	L	657386	699	727	461
W6IHG/4	"	381056	426	490	416
WB2RHM/4-259	"	173530	371	299	0
WA4PGM	"	162442	302	264	287
WD4GBW	"	126540	214	356	222
W4LC	"	123348	274	267	228
WA4OSD	"	30212	136	46	166
W4ROT	"	1295	20	17	35
K4EVH	"	1026	27	0	38
K4					

Station Operators

DAOWAE: DJ3NG, DJ3IW, DJ5JK, DL6JZ, DL9NDS; **DH5HV:** DH5HV, DJ7EC, DO1ET, DO1BVW; **DKØIU:** DG5SHF, DJ4KW, DJ6TK, DK1IP, DK9HE; **DKØWK:** DL3ARK, DL2AMT, DL5ASE; **DLOHGW:** DL7FBG, DL9GWD, DL9GMN, DL1THB; **DLOTTY:** DG6RN, DH1NF, DH8WR, DL2MDZ, DL2CYA, DL4RCK, DL9NEI; **DM5EL:** DF2CK, DL1DVE, DL3VTA, DM5EL; **DN1JC:** DL7VBJ, DO3JC; **F6KAR:** F61FY, SV3SJ; **G4B:** G6OKU, MØOKT; **K4WW:** K4WW, KB4DOV; **LT1D:** LU4DJC, LU8ADX; **LX5A:** LX1RO, LX1ER, DF7ZS; **OH2K:** OH2GFY, OH2LNH; **RK9CZO:** RX9CAZ, RX9COD, RV9CTD, UA9CTT; **RY9C:** RW9CE, UA9CGA; **RZ9SWR:** RX9SN, RA9SD, UA9SSA, UA9SSB; **SN5Z:** SP5UAF, SP5HNK, SP5TAT, SQ6MS, SQ5EBL, SQ5BPM, SQ5EBJ; **SP2YRY/P:** SP2ØØZ5, SP2UUU, KAJA; **UT9F:** UT9FJ, UØØJM, UØ8JK, UØ4JMG, URSFEO, URSFEL, USSFEO, URSFUS, URSFJA; **UZ4E:** UR7UE, US-E-601; **WØLSD:** WØLSD, NØKE, KØFX; **WØYR/4:** WØYR, WP2AAF; **YØ7AJM:** 4N7TA, YT7XT; **Z37M:** Z31GX, Z31MM, Z32ID, Z32XA, Z33F, Z36W

Checklogs

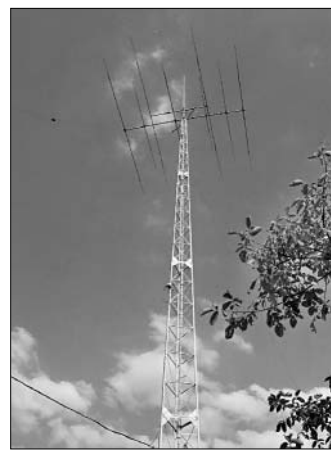
Many thanks to the following stations submitting checklogs:
3B8/DE2TEN, 4Z4DX, 9A3GX, DB3LO, DJ3EF, DJ3XG, DK9BP, DL2BQV, DL4KUG, DL7UJIM, ES2EZ, G3NXT, HA1SN, IZ4DZD, LA9PIA, OK2ZW, RA1ACY, RA3FD, SP3AMZ, SP3XR, SP4GDC, SP7HOV, SP8FPK, YT6Y

Soapbox Comments

7L4IOU: Really fun contest, the QTC rule is interesting. **7N2UQC:** I could enjoy this contest. And thanks to all who worked me. Rig: IC-706, ant: Dipole. **9A2KO:** Nice ufb contest!!! **9A5W:** condx were typical for low sun activity. RTTY by WF1B Software v5+ K6STI. **B4TB:** Great fun for sending and receiving QTC on RTTY. **DC3HB:** Leider schlechte Bedingungen; bad condx tnx for OSQ, cu next year!! **DEØMS:** Zäh... Generated by „SWL Cabrillo“ - (c) SP7DOR. **DF2RG:** „First“ WAE RTTY ever! Had to get used to it, and then had to change software in the middle of the contest to try out the QTC „stuff“. After some hick ups, everything went OK, more or less. Anyway, in the end it was fun, and I will be there next year again ... **DF6ZY:** Besten Dank für die Ausrichtung des immer interessanteren Contestes. Währlich! In diesem Jahr standen leider keine 36 Stunden zur Verfügung. Auch waren die Bedingungen für mich nicht gut. Leistungsbeschränkung. Nächstes Jahr aktiv mit RCKRTTY-Software. Bin an der Planung fuer 2005 Korsika, TK, zu aktivieren und suche noch Mitstreiter. Quartier ist schon geplant. **DF7JC:** My first WAEDC RTTY scoring was in 1983. Today it is still a very fine contest with a lot of activity. **DG7RO:** First RTTY Contest... Funny, especially the Rx of QTC in ORM. Who has stolen the condx? In the evening only 80 m was good. With 70 W and duo-dipol calling on 80 m was good, on 20 m bad... **DH5HV:** Congrats for 50 Year WAE-Contest. Funny like always with very poor conditions during the second morning. In the beginning lots of trouble with the logging software made us loosing OSOs and Multis. But after all Writelog performed with less problems than expected and we had great fun together. Equipment at DFØCG perfect like always with no faults or broken parts. The winter can come. **DJ5JK:** Meine erste Teilnahme. **DKØOF:** I activated our local clubcall DKØOF for a few hours in this contest. With 40 Watts on a dipole I am very lucky to catch 9m2 and yb this are two new ones from the clubstation. Thanks fer all, vy 73 de Ron. **DK1RF:** „unbelievable“... More OSOs; than last year, but less Multis; and Points! I guess that is the RTTY-Spirit, hi!! **DK5WL:** Mein erster RTTY-Contest! Wegen PC-Problemen muss ich leider das Log auf Papier einsenden. Die QTCs sind vom Bildschirm abgeschrieben. **DLØDG:** Had a lot of fun – cu agn next year! 73 de Bernd, DL1EIC. **DL1DLT:** Leider hat die automatische Nummerierung der QTC-Serien gesponnen. **DL1JB:** Trx: Elecraft K2, abt 10 watts, ant: G5LRV halfsize Cu agn next year! 73 de Juergen, DL1YFF. **DL1YFF:** Leider hatte ich nicht mehr die Zeit an dem Wochenende wegen der Hauptversammlung. Nachdem ich nach Hause gekommen war, blieb nicht mehr viel Zeit, denn die Bänder waren dann auch zu. Deswegen leider nur 50 OSOs. **DL4MFP:** Wg. div. fam. Verpflichtungen (mein 40er) leider nur sporadisch QRV ... **DL5KM:** Hat Spaß gemacht... 73 de

Sven! **DL5KMS:** Es herrschten sehr „frustrierende“ Bedingungen – anfänglich zweifelte ich an meinem Equipment. **DL5XL:** I missed both the CW and SSB legs of WAE this year, as I was at sea from July to October, but I did not want to miss the WAE Super Bowl entirely, so I gave RTTY contesting with the SCS PTC-Ilpro a try. **DL6MHW:** Habe an diesem Wochenende die Mitgliederversammlung des Amateurrats besucht und dabei aus dem Bus noch etwas gefunkt. So konnte ich dem Wochenende doch noch was abgewinnen. Spaß hat es nur teilweise gemacht. **DL7MAE:** Mit Ausnahme eines SV9 habe ich nur EU-DX-Verbindungen im Log, wie es sich für einen WAEDC gehört! **DL7VOG:** Diesmal leider nur kurz im Contest, hatte das ganze Wochenende über zu arbeiten. **DL8AWK:** IC-737, ant: 84 cm Loop Indoor! Mit 5 W und einer Indoor ant hat man schon viele Probleme bei diesen Bedingungen. Aber es hat Spaß gemacht! **EA4AFP:** After many WAE SSB contests as EA1AIB and EA4AFP (since 2002) this has been my first WAE-RTTY. I am sorry for my mistakes, send several duplicated numbers, I was using MTTY for contesting... But hope to improve for next contest. **ES4MM:** Congrats with 50 Years WAEDC! **F5IHP:** All antennas falls down due to a strong wind!!! **F5RD:** A good contest, more OSOs than 2003 but practically the same score. Only 28 OSOs outside Europe and no much QTCs exchanged. Thanks to all who contact me. See you again next year F5RD, Bernard. **F6FTB:** rig K2 from elecraft + 80 watts-dipole bands condx poor saturday; slightly better sunday 401 qso + 99 QTC × 318 multi = 159.000 pts. **F6IRF:** KT34@21 m 2 el 40@22 m dip 80@20 m SO1R: IC-756pro2/hb amp/MMTTY/N1MM 4.0.179 One of my preferred contest if not my preferred. Score only slightly better than last year despite better station. Terrible meteoric conditions with high winds generating high level of power lines QRN... several power cuts (fortunately without PC or log damage). Propagation as bad as meteoric conditions: NWRAs SSNe (based on ionosondes data) 25 to 40 for the weekend. 80 m: high level of static discharges on top of PL QRN - only 5 W/1VE. 40 m: band closed to states second part of night – only 39-W despite beam 20 m: closed early to W – low level of signs/high PL noise level – only 9JA 15 m: very bad to JA (only 2 wkld) - poor to W/high level of PL noise 10 m: a few openings to AS and eastern EU on top of usual AF/SA TEP's. Without 40 and so poor 80, I took more rest than expected... Anyway, thanks to DARC for organizing such a nice event and happy birthday! **GØMTN:** Very poor conditions, but a great contest. A pleasure to work EU for multis and points in this contest, especially on the low bands Sending/Receiving QTCs was very easy thanks to Writelog, and did a lot to boost my score. 73, Lee, GØMTN. **G1W:** Poor condition on 40. Only KM4M and K9MUG/4 from USA on 40!!! Anyway, nice contest, activity is growing up. See you next year. **G3YJO:** Not too much time to operate, but enjoyable. **G7TMU:** Thanks for running the contest. **GØMZ:** The propagation was terrible... There wasn't any desire to take part fully due to poor propagation... Anyway thanks for sponsoring... **GØBOEG:** Do we get a refund on our radio licences when conditions are that bad? **GUØSUP:** Great fun as always, and fewer stations sending „sri no QTC“ this year. Fewer QTC's this year due to conditions, but I guess this applies to all. Had to keep checking 10 m for any propagation. Thanks to WAEDC team for the great contest, and happy birthday! OSO No 011 was a mistake, so it is left out. OSO No 061 was listed because after OSO with 4Z5CP, we had a go at exchanging QTC's and Writelog listed a OSO number. **GW4MVA:** Low Power, Low Sunspots, Low Dipole = Low Score Many big teeth and no ears on 80 m! See you next year hi... **HB9AVK:** tnx for the contest management! For me it was – nice to meet good old friends, interesting to test filters, macros, antennas and my (and others) physical constitution, hence, I had some fun most of the time. 73's Paul, HB9AVK. **IIØCB:** Always beautiful!!! tnx de roberto, IIØCB. **IZDMI:** Enjoyed taking part to your nice contest. Band's condition was very poor. On Sunday afternoon it was difficult to work so many DX stations to send them all available QTCs. In the evening 14-21-28 were closed. Hvy QRN/ORM/OSB on 3.5 & 7. Thank you for organisation of this nice contest! 73 Frank. **IK2LOL:** Great contest, real enjoy with N1MM program and qtc. Not a lot time to spend but nest yar I... **IK5WQO:** Hope to be in better antenna conditions next year! 73 de Riccardo, IK5WQO. **IT9ORA:** I am very glad to participate in this contest but I was little time, because they are many stations on the air and this contest it's very interesting many thanks in advance 73 de Gianni, IT9ORA. **IT9SGN:** Funny contest! **JA2FSM:** This contest was in good condition, so that I could enjoy the wonderful contest. **JA2KCY:** QTC Rule is very exciting, so that I

could enjoy the wonderful contest. **JA5JWQ:** This contest was in not good condition, so that I could enjoy the wonderful contest. **JA8EJU:** Tnx for nice RTTY's contest. **JE2FIU:** It was the contest currently employed happily. **JF2SKV:** This contest was in good condition, so that I could enjoy the wonderful contest. **JM1NK:** This contest was in good condition, so that I could enjoy the wonderful contest. **JR3NDM:** I had a mistake. **KØHW:** Great Contest but poor conditions I thought, it must be the time of year as the band was not open to EU very long and was hard to make contacts that direction.I think I improved on OSO count but the mult count and the QTC count was down from last year.I will see you all in the next year WAE contests, I really like the format and the time span. I plan to keep improving. **K3DI:** Software: Two computers used. Hal DXP38 for manual RTTY and sending QTC from files. Logged with CT. Wrote a program to merge QTC files into Cabrillo from CT. No QTC received. Order of QTC groups sent were 1...9, 13, 10, 11. Missing 12. **K4AQ:** WAC (2 of 6): NA, SA. Best DX: LWSDR, Necochea (Buenos Aires), Argentina, 5015 mi (per DX Atlas), 1003 mi/wattHeard and called ZL2AMI but no contact. Yaesu FT-897 transceiver operated at 5 watts into an OCF 28-gauge insulated wire stealth antenna up 40 feet in trees next to I-75 in downtown Atlanta industrial area. SGC SG-237 Smartuner. Tigertronics SignalLink SL-1 sound card radio interface. MicroHAM USB rig control interface. Writelog 10.48f with RTTYrite decoder. **K4GMH:** Thanks to the DARC for sponsoring the WAE RTTY Contest. Always an interesting Contest with the QTC feature. Bands started out in bad shape, but kept improving throughout the Contest.Even 10 meters was open to Europe from the East Coast of USA for a short time on Sunday. A number of Europeans were heard on 80 meters, but they couldn't hear me. Special thanks to all who took the extra effort to



Antenna system at ON4ADZ.

copy my QTCs. All the RTTY operators were very courteous and it was a pleasure to participate in this and the other RTTY contests. **K4SV:** Had a great time using the new antennas but had to run outside in the cold to switch bands and turn beams because my new installation is not complete.Thanks to everyone, Dave. **K5ZD:** Many times I was on the air and could not find any EU stations! **K6OWL:** Always enjoy the QTCs and work everyone format. **K9BJM:** Propagation was minimum at best all weekend. **KASDON/3:** This is my 1st RTTY contest, I know I am not a „big gun“ but I bet I had as much fun... **KB1HDO:** Just playing - thanks for a fun event! **KE1F:** Lost power during the contest. My first 10 QTC was not saved and was re-sent to CN8KD. Propagation was poor. Perhaps next year. **KF9YR:** Had a busy schedule this weekend but I worked a few stations to give out some points. Condx to Europe were lousy from here. Hope others had better conditions. **KSOM:** The first time I worked this contest the QTC's gave me a confusing time. I never tried to send or receive QTC's again. This year I decided that it was time for me to get with the program and learn to S/R QTC's. I sure messed up several S/R.But I finally got the hang of it. Now I will be S/R QTC's in the future.Propagation to EU was very spotty and poor. **LX7I:** My first WAE RTTY, only wanted to give out the LX-Multi. **N2FF:** I like contests but I don't like QTC's **NC2N:** This was my very first little Contest from new home. Spent just few hours and tripled my last year's result. Checked SpiderBeam antenna just installed. SpiderBeam works! And most important, I managed to learn about „magic“ QTC stuff. Will definitely try harder next year! 73's to all de Andrei, EW1AR. **NT2A:** Thank you for the nice contest. **ØH2LU:** Contest Program ØH2GI-Ham system 7.1d

Homepage for program www.iki.fi/jukka.kallio/OK2-9329: Very good Contest and perfect DX and EU operators. See you again next year in WAE contests friends. **ON6NL:** Fantastic contest! Just wanted to see how my IC756 performs in RTTY and it works great. N1MM did a very good job, just correcting incoming QTCs is not that easy. Hope to make the top-10 in RTTY. Rig – IC-756 PRO2, ant: 10/15/20 KT-34A, 40: vert + dipol, 80: dipol, Software- N1MM + MMTTY. **ONL383:** Very interesting contest as usual but the condx were rather poor. But the activity is growing up every year. Best regards to all entrants. **PAØFAW:** There was also the OK/OM contest in cw and as that is easier for me with my indoor longwire I took part in that test. Condx were not very good at least the period that I joined RTTY. **PY2NY:** Great challenge using 80 watts, MMTTY and sound board. Was nice to work on QTC. Could be better... Maybe next year! **RK9CZO:** RTTY by WF1B Software v5. **RU4SS:** I am not sure with score. Sri about AATest soft. See you next year! **RWOAR:** My Power is 5 Wts only. **RW9UU:** This contest was in good condition, so that I could enjoy the wonderful contest. **S5Ø46A:** I took decent participation in all three modes at ripe age of 59! **SM/SB4AGE:** Poor condx. **SM7ATL:** Tnx for this very nice contest. **SP3ASN:** First time in test. **TF3AO:** Operated only few hours. Bad condx, no replies to CQ on40 m. **UAØWL:** My second RTTY WAE and result more then in last year. **UA6XIS:** It was my second WAE RTTY. Propagation was not so good on 28-14 MHz. Very few JAs and NAs on 15 m. Many participants do not Tx and Rx Qtc's. With 50 anniversary and see you again next year! **USØHZ:** Thanks so much for the nice contest. **VE1OP:** Great contest!! Too bad propagation was poor. **VE3ESH:** First WAE, loved the QTC rule I just need to be able to send a receive more often, I think better condition would certain help. See you all next year. **VE9DX:** Not many Europeans heard. To me condx seemed poor. Not a single European worked on 80. Tx 30 Watts to a vertical, 73 Andy. **VE9MY:** Great contest but very poor band conditions. **VK6DXI:** No Internet or dx-cluster used during the contest. Propagation was not so good on Saturday, but improved on Sunday. It was my first ever WAE RTTY (done CW/SSB this year for Trifactor). Just switched from AFSK to FSK and it worked out perfect. IC-756 Pro! Decoder worked slightly better then PK232DSP. Writelog copied very well with sent and received QTC's. Some stations (mainly JAs) were sending QTC's as one continuous string. This made the deciphering a bit nuisance and frustrating. I love the idea of searching and giving away QTC's... I will try to come back next year. Happy Birthday WAE and congrats DARC! **WØLSD:** Tried first M/S and linking laptops with WL. Disaster. Only one computer would communicate. Started with really poor band condx at this latitude. **W2UP:** QTC both ways is confusing. Maybe rule should be changed same as CW/SSB? **W4UEF:** Many thanks to contest sponsors and all participants. I had a wonderful time. **W4UK:** Wire dipoles only. **W7LD:** Neat contest.QTC's are fun! See you next year... God willing. **W9IL:** Another great WAE contest. Wish condx had been better! **WMSDX:** It was very hard to work the EU stations from texax with the poor solar conditions, but was a good contest anyway. Thanks to all who took part, especially the stations who just worked a few for the fun of it, and helped us all to score. **XE1ZVO:** I hope to win my third contest as XE operator I would like to thanks to: XE1TWC, Douglas, and his wife XE1TMD, Monica, forthir suport on this contest. **YBØDPO:** First time join WAEDC RTTY, propagation is poor on 20 m, not to many OSO I made, used a 75 watts XCVR into a logperiodic (7 el) and a dipole on 40 m and 80 m, and the N1MM Logger contest software is made me easy to send & rcvd the QTCs, really relax on this contest. And thanks so much to all friends gave me point and multiplier, enjoy and fun hope can join again next year if all the condition is ok. 73. **YB5BO:** Thanks for a nice contest! I will be back next year. **YØ6BHN:** See you next year. **YT6Y:** This is my first RTTY contest EVER! Big fun. **YU8/ØK1CRM:** I enjoyed the contest. It was a good time. **Z37M:** No cluster, no multiplier station, and we did what we did HI. We have a great a fun again, and tnx tu DARC for the nice contest and our congratulations for 50 anniversary. Happy holidays and see you next year, of course! **ZC4LI:** Great contest as usual, thanks to all concerned for running it. **ZL2AMI:** While everybody suffered from poor propagation, from New Zealand to Europe via polar paths was an extra disadvantage. However a 10 m opening to Europe on the second day was a surprise. I had a notable 10 m contact with Scott, VE1OP, in the last hour of the contest which was either via Sporadic E or perhaps Auroral enhancement – S9+20 signal no OSB each way.

Worked All Germany Contest (WAG) 2004

checked by DL1DTL, assisted by DL6JZ
(prepare paperlogs)

Results by countries

(Call/DOK (only DL), QSOs/QSO-points/
Multiplier/Final Score/ Reduction in % (only DL)

Single Operator CW Low Power

4K Azerbaijan
4K9W 61776 267 792 78

DL Fed. Rep. of Germany

DK3WW Y24 574080 1054 2944 195 -13,0
DK7YY D26 391995 934 2529 155 -3,2
DK3LT E11 337814 919 2521 134 -4,4
DL1EKC/P Z59 321676 891 2348 137 -4,1
DL2LRT S36 298797 765 2181 137 -0,9
DL1DRTL S01 273258 737 1938 141 -0,8
DL1BUG Y18 267750 823 2142 125 -1,2
DL3DTH S07 248154 756 2103 118 -0,4
DK5IM W37 245676 784 2082 118 -3,3
DL7BY D26 238633 743 1879 127 -2,2
DL1DQW S24 235204 723 1852 127
DL3BUE Y22 234360 640 1860 126
DL4HRM W35 231960 733 1933 120
DL9MRF H59 231444 824 2143 108
DL1DSW S04 221598 760 1894 117
DL9ZP V14 212960 642 1760 121
DL9CW S01 204736 673 1828 112
DL4JUL A07 204568 823 1967 104
DL8DW W04 195615 758 1863 105
DF1IA QP05 187807 699 1723 109
DK1QO Z65 182930 673 1663 110
DL5DSX S04 180132 731 1766 102
DK4WW Y24 179950 627 1525 118
DL6AG S44 177284 745 1886 94
DL5YL Y21 173547 763 1753 99
DM3PKK B14 172278 671 1689 102
DL5KUD Z89 167127 559 1479 113
DK4MX X35 163836 571 1517 108
DL9GCG P03 144400 601 1444 100
DK5XG E22 141408 542 1473 96
DK0FFO Y22 126945 504 1365 93
DK3FP F01 124992 622 1488 84
DL3BRA Y16 123621 574 1389 89
DL8AKA X16 123610 500 1315 94
DF5LW M03 122220 592 1358 90
DL4JNB S48 116453 409 1153 101
DL1JF M11 115800 425 1158 100
DJ9MH B10 115488 489 1203 96
DL1HAA N22 110075 511 1295 85
DL9UJF Y27 109350 485 1215 90
DL3HWD W35 85976 367 977 88
DJ8KZ K07 78370 324 922 85
DK4PL S05 69654 316 893 78
DL5RMH U08 69498 369 891 78
DL3ZAI F58 66906 341 826 81
DL6DSA S20 63336 267 728 87
DJ4EY Z92 62974 344 851 74
DL5SE S54 60336 298 838 72
DJ5GG B13 55080 284 680 81
DL5ARM X33 54741 375 771 71
DL1RTL Y34 53605 239 755 71
DK0ZM AW10051310 297 733 70
DL3YM A24 49786 248 682 73
DD1HM K27 48162 252 698 69
DL3BBY E13 46266 302 701 66
DL2SUB Z87 45975 266 613 75
DL5NAV I54 45694 318 737 62
DL5ASK X29 44336 215 652 68
DL1AKL X28 43833 310 769 57
DL2BIS I05 43400 214 620 70
DF6LQ M01 43180 204 635 68
DJ6TK E34 38808 231 616 63
DL9SUB V14 38001 285 717 53
DF2CH O04 36024 255 632 57
DL3HSC W23 33024 251 516 64
DL6UKL Z86 32612 218 526 62
DL7VOX D27 30933 203 491 63
DL4XU E02 29946 251 483 62
DL5CD S60 27664 208 494 56
DL9SEV P51 27213 225 579 47
DL5KUR V02 26820 178 447 60
DL7GH D27 25740 252 495 52
DG2DRA S04 25355 226 461 55
DL1SBF P51 22737 182 429 53
DF1HF E21 22134 171 434 51
DL3OAU H15 21375 124 375 57
DL6ON Z84 19270 170 410 47
DL4SUN V15 18352 141 496 37
DL6AT V14 18212 103 314 58
DL4UCS X04 17444 149 356 49
DL8DZV S27 17289 124 339 51
DL3EBX R09 17158 159 373 46
DJ8KM G04 16732 109 356 47
DL7YS D06 16320 136 340 48
DL6ABB H03 15366 141 394 39
DL8CA L23 14154 149 337 42
DJ2GM C12 13680 105 304 45
DF1NH B25 13631 150 317 43
DL1RTS Y07 12848 150 292 44
DL3KWF V11 12395 135 335 37
DL5DBH O14 12341 165 301 41
DL2AXM X39 11856 152 304 39
DL3DRN S27 10920 166 390 28
DL7UXG D21 9135 112 261 35
DL5AOJ X24 8625 99 345 25
DL5SWB V14 8580 109 260 33
DL7UAB D21 8250 100 250 33
DL4LRM Y28 7881 93 213 37

Top Scores

Call	Score	Multi	QSO	80 m	40 m	20 m	15 m	10 m
Single-Operator CW Low Power Germany								
DK3WW	574080	195	1054	267	381	206	171	29
DK7YY	391995	155	934	301	356	148	114	15
DK3LT	337814	134	919	276	378	205	56	4
DL1EKC/P	321676	137	891	221	346	208	112	4
DL2LRT	298797	137	765	264	266	140	84	11
DL1DTL	273258	141	737	249	172	200	99	17
DL1BUG	267750	125	823	337	293	108	82	3
DL3DTH	248154	118	756	302	244	169	39	2
DK5IM	245676	118	784	240	318	157	68	1
DL7BY	238633	127	743	270	245	141	73	14
Foreign								
UN7MO	208980	108	667	83	109	193	247	35
YL5M	148239	91	550	147	187	184	32	0
RW3GB	147246	97	526	90	122	229	85	0
LZ4UU	143379	89	552	157	164	212	19	0
RX9FB	142020	90	531	42	102	171	216	0
YZ1EW	128673	87	505	160	201	124	20	0
UA3LID	117117	77	512	145	177	184	6	0
OK1HX	115104	88	437	159	181	55	39	3
RD4WA	114579	87	457	62	119	120	156	0
EW8DX	113421	77	505	123	167	211	4	0

Single-OP CW High Power Germany

DL1IAO	1034940	235	1442	348	505	299	250	40
DK3DM	818673	201	1404	348	368	400	265	23
DL3DXX	810432	216	1209	364	284	297	231	33
DJ2MX	598950	165	1150	324	222	362	237	5
DL5WW	497329	161	1064	335	349	245	124	11
DL0DA	494542	163	1112	317	343	272	158	22
Foreign								
S57DX	174930	98	614	191	230	121	70	2
SM5INC	165816	98	587	174	203	144	47	19
RT3T	155808	96	550	126	171	171	82	0
9A4D	152607	91	584	215	255	73	41	0
OH2PM	146280	92	534	163	181	160	28	2
RZ3AZ	139221	93	518	125	141	195	57	0

Single-OP mixed Low Power Germany

DL0SE	485832	186	895	259	233	219	167	17
DL3AMA	402690	155	994	232	404	220	119	19
DL9ABM	332166	138	877	329	310	169	69	0
DL7VZF	302872	136	822	251	290	172	105	4
DJ1CW	265837	121	821	268	238	217	98	0
DK3RA	263252	124	800	260	334	125	72	9
DL3BWG	252833	133	666	262	187	111	98	8
DJ2BC	211680	108	820	310	355	123	30	2
DL5MO	207124	106	797	185	436	140	36	0
DJ9MT	188944	112	664	174	300	141	47	2
Foreign								
LZ9R	201756	86	806	124	145	524	13	0
RV3FF	198462	97	704	121	224	313	46	0
YT2T	142926	83	600	61	120	383	36	0
LY2TE	134550	78	593	179	209	198	6	1
UR5MNZ	127224	93	478	45	93	200	130	0
EK3SA	125970	95	456	30	49	212	138	27

Single-OP mixed High Power Germany

DL3TD	1710020	260	1901	323	494	503	539	42
DF2CD	636318	174	1247	364	314	340	220	9
DL7VEE	388944	148	933	295	306	242	86	4
DL0RH	385098	159	822	235	300	167	116	4
DM2FDO	350975	139	1041	277	553	137	66	8
DJ1AA	231140	127	586	105	110	227	139	5
Foreign								
RK4FF	472992	104	1556	273	321	514	444	4
RA3CW	232944	92	860	101	176	544	39	0
EW6AF	173736	76	789	119	202	466	2	0
YL2LY	166320	90	628	208	239	150	31	0
S53EO	151368	68	773	284	465	21	3	0
RW6AN	126936	82	569	16	84	205	264	0

Single-OP QRP Germany

DL3KVR	189423	117	538	135	179	141	81	2
DL6IAK	141680	112	474	149	106	154	58	7
DL1ARJ	137700	90	622	235	280	86	19	2
DL4AKW	118659	111	437	137	91	156	51	2
DL6AWJ	69690	69	438	314	249	50	22	3
DL8MBS	64452	82	336	157	90	63	24	2
Foreign								
RN6AL	100998	93	367	50	102	121	94	0
RA9SO	69918	86	272	47	69	66	90	0
EU8RZ	62514	69	319	78	102	139	0	0
ES4MM	47523	73	222	55	74	84	9	0
YO4AAC	37410	58	222	45	41	136	0	0
F5VBT	36612	54	229	110	90	29	0	0

Multi Operator Germany

DL4RDJ	1326384	244	1567	341	302	416	492	16
DL0CS	939150	225	1521	515	523	328	139	16
DK4WA	925344	224	1338	337	256	511	216	18
DL0XM	877809	227	1228	262	237	397	224	8
DF0WA	813960	210	1241	377	331	327	287	19
DL0KC	607571	191	993	300	130	352	201	10
Foreign								
RT9W	458784	118	1350	177	328	392	402	51
RO6F	292545	99	1016	129	195	348	344	0
LA3ANA	276390	83	1141	261	340	529	11	0
LZ5W	248352	104	855	214	178	367	85	11
RK3SWB	242700	100	829	126	156	455	92	0
UU/RA3AD	205902	93	849	153	302	303	91	0

DL5AZZ X33 7136 93 223 32
DL7AXM Y22 7080 91 177 40
DL2RTJ Y09 6800 146 272 25

DJ5QE N20 6090 124 203 30
DL2VLA S07 5724 97 212 27
DL1BEQ N01 5340 75 178 30
DF5WN K56 3770 63 130 29
DH7AMF Y18 3744 72 156 24
DL2VIW S26 3636 93 202 18

DL5FCO	F39	2788	59	164	17
DF2HL	E09	2310	45	105	22
DL9GUN	V11	1976	49	104	19
DL7FA	D08	1615	59	95	17
DH8WLA	X24	1292	40	76	17
DK4RL	Z91	1125	29	75	15
DL1EV	R04	1037	21	61	17
DJ3EF	Y44	855	20	57	15
DL9UBF	S25	750	23	75	10
DL8MKG	W13	520	16	52	10
DL1FMG	F52	376	15	47	8
DL8WAA	S41	210	21	35	6
DK1EAW	Z03	192	12	32	6
DK7NB	B20	170	103	85	2
DL3AVI	X11	80	40	40	2

EA Spain					
EA4BF		39537	228	573	69
EA1WX		6888	87	246	28

EA8 Canary Islands					
EA8/					
DL2AXA		26334	158	462	57

ES Estonia					
ES8DH		7980	80	228	35
ES3VI		3888	54	144	27

EU Belarus					
EW8DX		113421	505	1473	77
EU6AA		60912	294	846	72
EW1ABA		28497	172	483	59
EW2EG		3645	46	135	27

EX Kyrgyzstan					
EX2X		17343	143	423	41

F France					
F51CC		36108	210	612	59
F50F		24252	177	516	47
F51NJ		4680	60	156	30

G England					
G0HIO		48198	300	831	58
G5LP		34626	212	597	58
G3VCO		14577	113	339	43
G0MRH		1197	24	63	19

HA Hungary					
HA2MN/5		15867	141	387	41
HA8LKB		13200	184	528	25

HB9 Switzerland					
HB9SVT		19656	225	504	39
HB9HQX		18765	142	417	45
HB9RE		18600	173	465	40

I Italy					
I2AZ		21291	158	453	47
I0FDJ		10416	117	336	31
I25BAM		8775	91	225	39
IK8MIG		2268	43	126	18

IS Sardinia					
IS0IGV		16356	131	348	47

IT Sicily					
IT9LWP		46620	236	630	74
IT9LNN		28380	181	516	55
IT9ORA		14904	113	324	46
IT9RZU		12177	113	297	41

JA Japan					
JA1CPZ		3978	61	153	26
JA2VZL		1740	29	87	20
JG1UKW		168	10	24	7
JA1AAT		75	5	15	5

K USA					
WB2AA		63240	252	744	85
W1MU		41580	186	540	77
K1GU		18765	142	417	45
W1END		12555	94	279	45
W9Ily		10944	99	288	38
W2LHL		7182	69	189	38
N2UM		6549	63	177	37
N9CK		6156	57	171	36
K4CM		2415	40	105	23
K14FD		1701	28	81	21
NG7Z		162	9	27	6

LA Norway					
LA7SI		11952	85	249	48

LU Argentina					
LU1EWL		13800	103	300	46

LY Lithuania					
LY2MM		47988	261	774	62
LY2OO		34182	230	633	54
LY2DU		16638	126	354	47
LY2LF		4617	58	171	27
LY2FF		3174	50	138	23

LZ Bulgaria					
LZ4UU		143379	552	1611	89
LZ1CW		79989	303	879	91
LZ1KP		56658	315	798	71
LZ4GL		34800	241	696	50
LZ1FJ		18819	124	369	51
LZ2VP		5880	101	294	20
LZ7H		4851	81	231	21
LZ1EP		4050	66	162	25

OK Czech Republic					
OK1HX		115104	437	1308	88

OK2MBP		75516	409	1218	62
OK1IBP		53619	297	879	61
OK2PTS		34185	221	645	53
OK1MKI		33687	213	591	57
OK1DAM		28764	210	612	47
OK5TKF		26058	202	606	43
OK2AJ		19434	165	474	41
OK2ZJ		13284	110	324	41
OK2BND		3060	53	153	20
OK1DOL		3000	50	150	20
OK2BEM		2880	54	144	20
OK2BRA		1485	33	99	15
OK1AOU		1188	40	99	12

OM Slovak Republic					
OM3BA		22356	168	486	46
OM3CDN		21600	167	480	45
OM7AG		20988	163	477	44
OM3CFR		8463	95	273	31
OM7YC		3750	55	150	25

ON Belgium					
ON4KJ		41964	292	807	52
ON4XG		41535	200	585	71
ON4KVA		4575	61	183	25
ON5ZO		1452	44	132	11

PA Netherlands					
PAOKHS		11439	134	369	31
PAOJED		7881	75	213	37
PAOFAW		3564	46	132	27
PA3GVI		2400	46	120	20
PA3CLO		1581	40	93	17
PA3GBI		1125	29	75	15

PY Brazil					
PY8MGB		7350	78	210	35
PY4FQ		3975	59	159	25
PY7OJ		240	11	30	8

RA-EU European Russia					
RW3GB		147246	526	1518	97
UA3LID		117117	512	1521	77
RD4WA		114579	457	1317	87
UA3DMO		72072	320	924	78
RZ6HF		68688	331	954	72
RA4FJV		55377	302	879	63
RA3UAG		47124	232	693	68
RA1WJ		38934	212	618	63
RW4AD		25560	153	426	60
RZ3OV		24024	149	429	56
RN6AI		23688	145	423	56
RK6MY		22098	128	381	58
RW3DOX		21900	151	438	50
UA4AGO		20586	153	438	47
RN6FK		17490	113	330	53
UA3AKI		16029	141	411	39
RA6MS		15120	130	360	42
RA4AI		14190	123	330	43
UA4AN		13959	151	423	33
RU4HH		8850	119	354	25
UA3VFI		5664	61	177	32
RZ3VA		1620	30	81	20

RA-AS Asiatic Russia					
RX9FB		142020	531	1578	90
RU9CI		74520	360	1035	72
UA9FGJ		32538	192	561	58
RA9HTO		31872	173	498	64
RZ9QJ		19044	150	414	46
RA9XU		8136	117	339	24
RV9CLF		8073	76	207	39
RA9AE		3444	42	123	28
RA0AY		2208	32	96	23
RX9JW		1056	22	66	16

S5 Slovenia					
S57NL		26358	205	573	46

SM Sweden					
8S0F		47040	249	735	64
8S6A		27495	197	585	47
SM7EH		17433	154	447	39

SP Poland					
SP8BAB		42315	222	651	65
SP2FAV		38016	204	576	66
SO9FMU		33768	204	603	56
SP2HMT		25413	209	591	43
SP5MXZ		22950	152	450	51
SP4AVG		17157	135	399	43
SP3ASN		13200	102	300	44
SP5MBA		10710	97	255	42
SP5CGN		9831	118	339	29
SP9ADV		7560	74	216	35
SP5NZN		4488	73	204	22
SP3SL		3726	79	138	27
SP9QJ		2448	60	144	17

SV5 Dodecanes					
SV5/					
OK2BOB		58776	255	744	79

SV9 Crete					
SV9/					
DL6RO		21024	148	438	48

UK Uzbekistan					
UK/					
J12MED		3870	47	129	30
UK7AV		1998	47	111	18

UN Kazakhstan					
UN7MO		208980	667	1935	108
UN7EX		8568	87	252	34

UR Ukraine					
UL5LQ		98040	398	1140	86
UW2F		96579	443	1323	73
UL5SWW		84882	346	987	86
UY5ZI		68973	283	831	83
UR5FAV		61047	411	1197	51
UT3NK		44268	270	714	62
UX5EF		30780	190	513	60
UY5OQ		21285	167	495	43
UR7EQ		18000	123	360	50

VE Canada					
VA3XRZ		2622	38	114	23
VA3PL		240	11	30	8

VK Australia					
VK8AV		7548	71	204	37
VK4TT		5859	65	189	31

YL Latvia					
YL5M		148239	550	1629	91
YL5W		103725	473	1383	75
YL2CV		72504	325	954	76
YL2PJ		48930	237	699	70
YL2GTD		10404	107	306	34
YL2PN		8190	81	234	35

YO Romania					
YO5CBX		64980	288	855	76
YO9AGI		59295	345	885	67
YO9YFP		13056	149	408	32

YU Yugoslavia					
YZ1EW		128673	505	1479	87
YU1FG		73260	332	990	74
YU8/					
OK1CRM		7848	116	327	24

ZD7 St. Helena Islands					
ZD7F		80106	364	1014	79

Single Operator CW High Power

9A Croatia					
9A4D		52607	584	1677	91

DL Germany					
DL1IAO	A24	1034940	1442	4404	235 -0.6
DK3DM	O03	818673	1404	4073	201 -1.0
DL3DX	S01	810432	1209	3752	2

DL1KSW	G49	1480	39	74	20
DF7LS	M09	1424	29	89	16
DL3BVA	Y16	1360	31	85	16
DL1DDBR	O17	1218	42	87	14
DJ4VP	O20	837	77	93	9
DH4ST	S54	473	19	43	11
DL6JFN	S57	414	19	46	9
DF5WI	K41	315	22	35	9
DG3MKO	U05	96	9	16	6
EA Spain					
EA7AAW		16920	122	360	47
ES Estonia					
ES4MM		47523	222	651	73
EU Belarus					
EU8RZ		62514	319	906	69
F France					
F5VBT		36612	229	678	54
F5NLX		792	27	66	12
G England					
G3VGR		33708	216	636	53
GM Scotland					
MM3JHS		9720	111	324	30
HB9 Switzerland					
HB9AYZ		13542	130	366	37
I Italy					
IZ8FOV		1938	40	114	17
IT Sicily					
IT9GXE		858	31	66	13
JA Japan					
JA2MWW		684	19	57	12
K USA					
K2EKM		270	10	30	9
LY Lithuania					
LY4BF		29232	180	522	56
LZ Bulgaria					
LZ2KLE	6264	98	261	24	
OK Czech Republic					
OK1FVD	24453	149	429	57	
ON Belgium					
ON7CC	12432	121	336	37	
ON6QS	9000	108	300	30	
PA Netherlands					
PA1B	2760	44	120	23	
RA-EU European Russia					
RN6AL	100998	367	1086	93	
RW3AI	34020	220	630	54	
RV3DBK	4698	62	174	27	
UA1AFZ	840	21	60	14	
RA-AS Asiatic Russia					
RA9SO	69918	272	813	86	
RV9COI	6432	72	201	32	
SP Poland					
SP4GFG	30753	203	603	51	
SP9EMI	7872	86	246	32	
SP3JUN	4752	74	216	22	
SP9QOH	4536	63	168	27	
SP3J	1395	32	93	15	
3Z6V	585	16	45	13	
SV9 Crete					
SV9/					
OK1CZ	8778	80	231	38	
UN Kazakhstan					
UN7CN	9288	86	258	36	
UR Ukraine					
UT1ZZ	12	4	6	2	
YB Indonesia					
YB2OK	576	17	48	12	
YO Romania					
YO4AAC	37410	222	645	58	
YU Yugoslavia					
YU1LM	1920	33	96	20	
Multi OP					
DL Germany					
DL4RDJ	U24	1326384	1566	5436	244
DL6CS	M15	939150	1513	4174	225
DK4WA	Y37	925344	1320	4131	224
DL0XM	S41	877809	1200	3867	227
DF0WA	T13	813960	1232	3876	210
DL0KC	B21	607571	993	3181	191
DF0CI	X12	593127	985	3351	177
DL0OV	G03	579072	1128	3328	174
DL1WA	X28	577642	1299	3418	169
DF7ZS	F27	529308	1077	3042	174
DL0MB	A24	475040	1039	2969	160
DJ8OG	F62	466640	853	3070	152
DL0HCW	V11	445359	1054	2801	159
DC2FY	N41	370566	1294	2941	126
DL0TUD	S07	359910	934	2666	135
DL0GL	L03	354711	1111	2667	133

DLOVV	V07	267125	822	2137	125
DLOKB	A01	263252	872	2123	124
DA0EKO	EK050217175	659	1825	119	
DL3ABL	W37	202395	541	1545	131
DL0LBS	X23	179444	635	1588	113
DK0WK	X36	146872	672	1669	88
DA0CCC	D23	142956	676	1444	99
DK0BER	Y14	128007	556	1293	99
DL0ER	L05	101052	482	1203	84
DL5OB	H63	72408	274	862	84
DL0HGN	V19	65772	316	783	84
DL0WF	D11	60754	496	821	74
DF0BLM	D17	32118	271	606	53
DF0ZL	E30	20160	162	360	56
DLOWN	F20	17680	180	340	52
DK0DO	T18	8892	102	342	26
DL0ERZ	S14	6438	110	222	29
DF0MBO	Y09	6345	115	235	27
DLOSZM	X31	2500	49	125	20
DL0HFC	HFC	700	16	50	14
EU Belarus					
EW1ZM		34416	268	717	48
LA Norway					
LA3ANA		276390	1141	3330	83
LZ Bulgaria					
LZ5W		248352	848	2388	104
RA-EU European Russia					
RO6F		292545	1016	2955	99
RK3SWB		242700	829	2427	100
RZ4NWW		183843	631	1857	99
RA-AS Asiatic Russia					
RT9W		458784	1349	3888	118
RZ9UWZ		37422	246	693	54
UR Ukraine					
UU/RA3AD		205902	849	2214	93
UR4EYN		84240	439	1170	72
UR4PWC		82536	374	1086	76
YL Latvia					
YL1XN		50688	280	792	64
YO Romania					
YO6KNY		34344	219	636	54
YU Yugoslavia					
YZ1V		153360	772	2160	71
ZL New Zealand					
ZL1VV		12	3	6	2
SWL					
DL Germany					
DE1RTD	Y01	127498	564	1301	98
DE0HCS	69720	379	840	83	
DH2URF	33120	240	720	46	
DL9NEI	B25	31265	245	481	65
DE1DDH	S01	21905	245	337	65
DE4MHS	21000	335	300	70	
DE7MTP	19950	139	399	50	
DE2UAA	Y43	15841	220	217	73
DE0FWW	F20	11123	215	227	49
DESOMB	5994	63	162	37	
DE1BBS	W19	3978	105	102	39
DE3EME	X23	48	9	8	6
DE2SAT	X23	4	3	2	2
DE6MSZ	E30	0	163	0	0
F France					
F11NPC/80		10179	103	261	39
LZ Bulgaria					
LZ1-G-42		83032	410	856	97
LZ1-H-192		576	19	48	12
OK Czech Republic					
OK1-11861		41838	296	734	57
OK2-9329		891	27	81	11
ON Belgium					
ONL 4638		17775	227	225	79
ONL 383		14145	149	345	41
RA-EU European Russia					
R3A-847		121128	665	1236	98
SP Poland					
SP7-003-24		28080	179	520	54
Check Log					
3D2AH; 9A3VM; DJ8EW; DK2PFU; DK5ZX; DK6CI; DL0BAS; DL0BRA; DL1DRD; DL1SXJ; DL1THB; DL2BWO; DL2GBB; DL2RVD; DL3JRA; DL3KUM; DL3RDM; DL3SEM; DL4NTC; DL5CL; DL5HP; DL5NA; DL6HTA; DL6UCI; DL6YRM; DL7CA; DL7UMG; DL7UPN; DL7UXD/P; DL7VMM; DL8AXJ; DL8ULF; DL9GWA; DL9ZEA; DM5EL; HA5X; IK00TJ; N1NN; ON7SS; PA3AFF; RA1AC; RK9JY; RU9UC; RV3DUT; RV9BI; SM0JHF; SP1DMD; SP1GZF; SP1NQN; SP6A; SP6BBE; SP6UM; SP9GF; UA1CBM; UA3DCW; YO2LGW					
Operator of Multi Operator Stations					
9A4D (9A2AJ), DA0CCC (DK1BN, DM8TBR, DK7MS, DD3QC, OH5JOC), DA0DIG (DF3TE), DA0EKO (DH2UAI, DL0JFI, DL4SL, DL6UBM, DL8UKE), DC2YY (DL1REM, DL3SF, DH1AL, DG2YBW, DC2YY), DF0BK (DL4SDW), DF0CI					

(DL8AKI, DL5ZL, SWL Matti), DF0WA (DJ5MW, DL4VK), DJ8OG (DG3FAW, DJ6QT, DJ8OG, DL7BC), DK0BER (DG2BWB, DL1BWW, DL3JHK, DL7UEB, DL7VAF, DL7VRS, DM2DME), DK0EMV (DF7YT), DK0FFO (DL2BWM), DK0WK (DL5ASE, DL2AMT), DK0ZN (DL9JON), DK4WA (DG1HWM, DJ6TF, DJ7TO, DK4WA, DL5YYM), DL0BAS (DL2BWO), DL0CS (DF9LI, DK4LL, DL3LAB, DL9EE), DL0ER (DL9LR, DF5EM, DK7FP, DM1RK, DD5IC, DL2EBR), DL0ERZ (DL2DRM, DH5ABC), DL0GL (DL2VB, DL3QC, DK3OZ, DM1EE, DL6YFB), DL0GOL (DL5VB), DL0HFC (DG2BAR, SWL ELMAR, SWL Holger), DL0HCW (DC2GMA, DL6KWU, DF7GG, DL7FBC, DL9GRE, DL9GMN), DL0KC (EW1NY, DG7RO, DL2NY, DL4NER, DL5NDX), DL0LBS (DL1ARD, DL1ALF, DL1AZK, DJ5IO, DG00RW, DL5ANS), DL0MB (DF2IY, DF2UO, DJ5IR, DK9IP), DL0OV (DJ2VO, DL3PS, DL6KR, DL7KCM), DL0RH (DJ0IF), DL0SE (DJ2QV), DL0TUD (DJ1YFK, DL6DNU, DH5FS, DL1DXA), DL0VV (DL5CX, DL6KWN),

DL0WF (DD6YG, DH6TI, DH7AEK, DL7AOD, DL7BO, DL7JK, DO2JKH, DO5JKN, DO7JNO), DL0WN (DB4PH, DG1FDV, DF5ZS, DL1FAQ, DL2FCW, DL9BZ), DL0XM (DH3WW, DL1LRM, DL3XM, DL4WG, DL5LYM, DL7URH, DL8WBB, DL8WXP), DL1WA (DL1WA, DL4WA), DL3ABL (DL3ABL, DL6MHW), DL4RDJ (DH1TW, DH4SO, DJ1OJ, DJ5CL, DL4RDJ, DL6RAI), DL5OB (DG2ABP, DL4ABR, DL5OB), EW1ZM (Vladimir, Roman), LA3ANA (LA3ANA, DL2OE), LZ2KLE (LZ4RM), LZ5W (LZ1RB, LZ1UK, LZ1MC), LZ9R (LZ3YY), RO6F (RW6HA, RN6FO, RW6FO, RZ6HX, RZ6EZ), RT9W (RU9W, RX9WR, RW9W, UA9-084-494, RA9WR), RZ4NWW (RA4NF, UA4NCI), RZ9UWZ (RW9UNT, UA9UAU), UR4EYN (US-E-601, Alexej, Maxim, Sasha), UR4PWC (US-P-296, US-P-361, UT4PT), UR5E (UR5EDX), UU/RA3AD (RA3AD, RV3FW), YL1XN (YL1XM, YL2HB), YL5M (YL2UZ), YO6KNY (YO6ADW, YO6DBA), YT2T (4N1JA)

50 Years WAEDC Super Bowl

1,563 participants of the WAE DX Contests 2004 qualified for a lot in the WAEDC Super Bowl, a lottery with fifty prizes ranging from T-Shirts, literature and free QSLs up to a weekend trip for two to the Montichiari Fair 2006 (near Lago di Garda, Italy) and a full-blown HF transceiver kindly provided by both Ten-Tec USA and Apello GmbH Germany.

Thanks to the sponsors of this lottery:

- Appello GmbH, Germany
- TenTec USA
- Centro Fiera del Garda Montichiari, Italy
- CUBICOM, Italy
- QSLShop, Germany
- Elli QSL Print by OK1FXX, Czech Republic
- Radio Society of Great Britain, England
- American Radio League, U.S.A.
- DARC-Verlag, Germany
- Funkamatear, Germany
- UKW-Berichte, Germany
- McCaps, Germany
- Verlag für Technik und Handwerk, Germany
- Traxel Radio Map Service, Germany
- and the DARC Committee DX and HF-Contesting.

The prizes were drawn at the 2005 Friedrichs-hafen Ham Radio Convention and winners have been notified.

Worked All Germany Contest

The Deutscher Amateur-Radio-Club (DARC) has the honour to invite amateurs all over the world to participate in the annual Worked All Germany Contest

1. Contest periods:

October, third full weekend,
1500 UTC Saturday to 1459 UTC Sunday
2005: 15./16. October
2006: 21./22. October

2. Modes and bands:

SSB, CW: 3,5 - 7 - 14 - 21 - 28 MHz
According to IARU-region 1 regulations contest operation is not allowed on the following contest free sections:
CW: 3560-3800; 14060-14350
SSB: 3650-3700; 14100-14125; 14300-14350 kHz

3. Classifications:

- Single operator - allbands - CW 100 Watts or less
 - Single operator - allbands - CW >100 Watts
 - Single operator - allbands - CW + SSB 100 Watts or less
 - Single operator - allbands - CW + SSB >100 Watts
 - Single operator - allbands - CW + SSB - QRP (max. 5 Watt Output)
 - Multi operator - single transmitter
The minimum time of operation on a band is 10 minutes. A quick band change in order to work a new multiplier is allowed.
- g) SWL

Note: DX cluster support is allowed for all classifications
Note: Only one signal may be on the air at any given time.

4. Exchange:

A contest QSO can only be established between non-German and German stations and also between German stations.
Non-German stations give the usual RS/RST + serial number.
German stations give RS/RST + DOK (local area code).
If the station worked does not send a serial number, log the contact with number 000.
A station may be worked once per band per mode.

5. Multipliers:

The multiplier for Non-German stations is determined by the number of German districts worked on each band regardless of mode. The German district is indicated by the first letter of the DOK.
From special DOKs (two or more letter/figure or figure/letter combinations) only the first letter counts. Thus a maximum of 26 multipliers per band is possible (letters A..Z).
German stations use the current DXCC-entity-/WAE-country-list. Each entity/country counts one multiplier per band regardless of mode.

6. Scoring:

Each complete exchange counts 3 points for non-German stations.
German stations get one point for QSO with an other German station, 3 points for an European station and 5 points for a DX-station.
The final score is computed by multiplying the total number of QSO points by the sum of multipliers from all bands.

7. Contest awards:

Certificates will be awarded to the highest scorer of the different classifications in each country, a reasonable score provided.

8. Disqualification:

Violation of the rules of the contest, or unsportsmanship conduct, will be deemed cause for disqualification.

9. 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 by upload on www.dxhf.darc.de (alternativ www.darc.de/referate/dx/fgd.htm) or on disc. We prefer to receive data either in the DARC STF format or in the CABRILLO format.

The files should be named with the participant's call sign, so for example DL6RAI.STF, DL6RAI.CBR, DL6RAI.ALL and DL6RAI.SUM.

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 WAG log forms and summary sheets. These sheets are available on the WAG 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. The log must include a signed summary sheet and check list for multipliers.

10. Special regulations for SWLs:

All SWLs get one point (SSB) or three points (CW) for logging each new German station with the sent RS/RST + DOK and the call of the station working with the German station. The multiplier is determined by the sum of German districts (first letter of DOK - see point 5) heard on each band.
Each German station may be counted once in SSB and once in CW on each band.

11. Deadline for log entries:

November 20th (Postmark)

Mailing Address:

WAG Contest Manager, P.O.Box 12 09 37, D-01010 Dresden/Germany

alternativ

Klaus Voigt, DL1DTL, Am Jaegerpark 75, D-01099 Dresden/Germany

E-Mail:

for logs: wag@dxhf.darc.de; for questions: wag-info@dxhf.darc.de

WAG ALL TIME RECORDS

Entry	DL/EU/DX	Call	Score	Year
Single OP CW <100 W	DL	DL2OBF	736.496	2002
Single OP CW <100 W	EU	RD4M	234.204	2000
Single OP CW <100 W	DX	UN7MO	208.980	2004
Single OP CW >100 W	DL	DL3DXX	1.183.644	2002
Single OP CW >100 W	EU	RZ3AZ	204.930	2001
Single OP CW >100 W	DX	UA9JKA	203.490	2002
Single OP Mixed <100 W	DL	DL5FU	575.736	2002
Single OP Mixed <100 W	EU	RM3C	233.805	2001
Single OP Mixed <100 W	DX	RA9FLW	119.691	2002
Single OP Mixed >100 W	DL	DL3TD	2.158.441	2002
Single OP Mixed >100 W	EU	RK4FF	500.214	2002
Single OP Mixed >100 W	DX	RU9WX	395.370	2003
Single OP QRP	DL	DL6MHW	285.188	2001
Single OP QRP	EU	US6EX	162.381	2000
Single OP QRP	DX	RA9SO	122.412	2002
Multi OP	DL	DL0MBG	1.923.900	2001
Multi OP	EU	YO3KPA	415.272	2003
Multi OP	DX	RT9W	458.784	2004

Impressum

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