RESULTS 2006
RULES 2007

WAEDC

EUROPEAN DX - CONTEST

WAG

WORKED ALL GERMANY CONTEST

Tonno, ES5TV, Continental Winner Europe
Single OP SSB

Steve, ZC4LI, Continental Winner Asia
Single OP CW

DARC Comittee for DX and HF-Contesting

Compiled by DL2YOU

Deutscher Amateur-Radio-Club e.V.
Bundesverband für Amateurfunk in Deutschland

Worked All Europe DX-Contest (WAEDC)

The Deutscher Amateur Radio Club (DARC) invites radio amateurs worldwide to participate in the annual WAE DX-Contest. ***Helmut Müller, DF7ZS***

1 Times:
CW: August, second full weekend
Saturday, August 11, 2007, 0000 UTC until Sunday, August 12, 2007, 2359 UTC
SSB: September, second full weekend
Saturday, September 08, 2007, 0000 UTC until Sunday, September 09, 2007, 2359 UTC
RTTY: November, second full weekend
Saturday, November 10, 2007, 0000 UTC until Sunday, November 11, 2007, 2359 UTC

2 Bands: 3,5 – 7 – 14 – 21 – 28 MHz
According to IARU 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, low power – max. Output 100 watts – all bands.
Only one signal permitted at any time.
b) Single operator, high power – 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.
d) SWL, single operator
Exception: working of a multiplier.
(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.

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. 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 RAØ -- 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.

Address:
WAEDC Contest Manager
Helmut Müller, DF7ZS
E-Mail: waedc-info@dxhf.darc.de
URL: http://www.waedc.de

NEW!
10 Logs:
Logs need to be sent in STF or Cabrillo-Format to the following E-Mail-Address:
WAECW: waecw@dxhf.darc.de
WAESSB waessb@dxhf.darc.de
WAERTTY: waertty@dxhf.darc.de
Be sure to put the station callsign in the subject of each message.

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:

Use a proper logging program or LM from DL8WAA to enter your data.

See Link: http://lm4.de/e/home.htm

If you do not have a computer, please ask a friend or families member to import the log.

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 log to be counted 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, 2007.

Criteria for WAEDC Awards and Plaques
Continental winners will receive a plaque.
Online printable certificates will be available for all entrance with the results being published.

1. for awards:

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

2. for plaques:

1. Continental winner
2. Stations who activate a WAE country for the WAEDC from where no log was received over the last three years will receive a special prize.
   For 2007 these are:
   1AØ, 3A, 4O, 4U1V, HV, JX, OJØ, OY, R1F, SV/A,, T7.
3. Stations who have been into the Top-Ten/Top-Six list for at least five times can apply for a special plaque.
4. The WAEDC committee reserves the right to honour special contest activities with additional plaques.

WAE Country List: 1AØ - 3A - 4O - 4U1I - 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 – HBØ – HV – I – IS – IT – JW - JW/b – JX – LA – LX – LY – LZ – OE – OH – OHØ – OJØ – OK – OM – ON – OY – OZ – PA - R1F - R1M – RA – RA2 - S5 – SM – SP – SV - SV/A - SV5 - SV9 - T7 - T9 - TA1 – TF – TK – UR – YL – YO – YU - Z3 - ZA -ZB.

The 52nd edition of the Worked all European DX-Contest is history.

The conditions went up and down but the QTC traffic kept everyone alive.
The participation of the stations was nearly the same like in previous years. In SSB the participation increased something, while it is a little declining in CW.
2 new world records and 6 continental records were broken in this years WAEDC.
Three rare European WAE countries were put on the air this year and three stations have been awarded Hero of the WAEDC 2006.

Thank you Ben!

Ben Buettner, DL6RAI, did a wonderful job promoting and managing the WAEDC contest for five years. He developed a very sophisticated software for the complicated cross-checking of the log files and the QTC's. He also formed an extremely helpful and dedicated team around him, sharing the workload evoked by that wonderful contest. This is only possible if you know how to motivate and guide people to take on big tasks for nothing else but joy and pride. Everybody knows Ben as a fine gentleman and top contester. It is a pity that we lost him managing the WAEDC, but after five very successful years I think it is allowed to focus on new projects and give up some of the very time consuming tasks. Ben promised me to help out with his expertise at any time when needed and also help keeping the cross-check software alive. I just learned that he became president of the very successful Bavarian Contest Club in Germany. I want to take this opportunity to thank him in the name of many contesters for his dedication and the great job he has done. I also wish him the best of luck for his new challenge on the front seat of the BCC. Thanks Ben!

The new contest manager is Helmut Mueller, DF7ZS. We wish him a good and successful start. In the following story, he appreciates his predecessor:

Learning under fire – the new WAEDC trainee:

In October 2006 I learned from various discussions on the BCC contest reflector that the WAEDC needs a new manager. I think the WAEDC is one of the most sophisticated contests throughout the year and I could not believe that nobody took care of it. I never thought about taking on this huge task, but I also felt that somebody got to do it. The three 2006 contests were done and logs, paper logs, questions and all kinds of requests were already hitting the empty virtual WAEDC office. I spoke to Ben and after his estimation of time needed for this task, my immediate answer was NO WAY! I did not have enough free time on my hands to take over another 200 hours per year of voluntary work.

It still bugged me and I wanted to find a solution. After I talked to existing team members, potential new team members and Ben a few times, we came up with an approach how to cut the time and get the job done.

Unfortunately there was no time to prepare. 738 CW, 638 SSB and 656 RTTY logs needed attention and we were already behind the claimed scores deadline for CW. It was really a learning under fire experience for me. I had so many stupid questions to ask and mistakes to make. I was very lucky with the great support of Michael, DL6MHW, and Julian, DL6OCK, who did not get tired answering my questions and fixing the bugs I created. At the same time they implemented some new developments such as a log robot, a proper user interface (for me) and the online certificates. In the background loads of people I have never met before were typing in paper logs and converted good and broken Cabrillo files to the STF format we needed. Richard, DL2LAR, must have converted almost 2000 logs all on his own. Another live saver was Joerg, DL8WPX, who had lots of experience with the actual checking process. He worked from Iran, Indonesia and Germany remotely over the internet and made the complete cross-checking of all three WAEDC contests on his own!

Without the dedication and the "let's get the job done" attitude of these people you would not be able to look at these WAEDC results now. Make sure (whenever you hear one of these callsigns on the air) to give them some points for the contest!

WAEDC Contest Team:

DK9TN, DJ1YFK, DL1MGB, DL2LAR, DL2YOU, DL6MHW, DL6OCK, DL8MBS, DL8WPX, DL8WX, DL9ZWG

My big thanks to all of you!

73sss
Helmut Mueller (WAEDC trainee)

WAEDC Heros 2006

CW:	none
SSB:	
4U1ITU	(K1ZZ)
GD6IA	(DL1FON, DL1ECG)
RTTY:	
ZA/DL2RMC	(DL2RMC)

Result Magazine

Over the past years we tried to improve this magazine to meet your requirements. Many improvements were incorporated this year and we hope to satisfy you with more stories, more pictures and even more statistics. Thanks to all operators for their support and also for their stories.

YOUR STORIES

In this "column" you can read the personal WAEDC story of many ham operators. For the next magazine you can send us your own story preferably with a nice photo. After your participation send it to:
waedc-info@dxhf.darc.de

Lionel, F6DRP, operates WAEDC since 1980

I am operating - F6DRP - single operator since 1975: My participation in WAEDC contests: WAEDC: 1980 = 960 pts; 1981 = 1.656 pts; 1990 = 53.728 pts; 1991 = 5.166 pts; 1992 = 3.206 pts; 2006 = 20.090 pts; My station F6DRP = TS 520 KENWOOD HF, FT 900 YAESU HF. FT 736 R YAESU V/UHF and other transportables. POWER = 100 W. ANTENNAS = BFR 23 2 EL. 3 bands HF, YA 30 All bands HF, ZEPPELIN OM 41 Mr. 40 and 80 Mr., 2 X 9 él. 144 MHZ, 1 X 17 él. 432 MHZ, colineaire vertical V/UHF, on pylon DOK 15 Meters. Geographical situation: IN96PO Altitude: 195 Meters above sea level. Hoping to have brought some facts to you which could interest you. Thanks and 73s LIONEL, F6DRP

Lionel, F6DRP, in his shack

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WAEDC enjoy it – by LA2OKA

This is the second time I am in the WAEDC contest and I really like this contest. I just go for it. For me the ham operation is a hobby and in some eastern countries they call it sport. I love sports so I just go radio when I have a chance to do it.

WAEDC is a very fine contest and there is not so many five over five. So I take a good relax and really enjoy this. I really hope many more will participate in this contest. It's really fun. Maybe we say hello to each other in 2007. 73 de LA2OKA, Lars Hedemark.

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4-element Boom Quad from OK2FD

WAEDC # 1 in Argentina LU7HN

In WAEDC CW Contest 2006, Rene Giorda occupied the first Place in Argentina, #19 in the World Outside Europe and #1 in SA.

Rene Giorda, LU7HN, in his shack

Paddle of OE4VIE used in WAE CW

WAEDC – a nice contest LX2A/LX7I

The WAE is always a nice contest and after the terrible conditions last year I was happy to make more QSOs this year.
My SO2R Equipment performed not as good as it should and I already made some changes to it. The antennas on the QTH are changing a lot and will be improved next year. My equipment was :
IC-756 PRO 3 and Emtron DX-2
IC-756 and Ameritron AL-1200
DX-Doubler for SO2R (now I use the MK2R+)

Antennas by LX2A/LX7I
80m: 4 Square and Loop
40M 2el @29m
20M 4el @26m /FBDO-505 @19m
15M 5el @22m /FBDO-505 @19m
10M 4el @14m /FBDO-505 @19m
I was not active during the full 36 hours as some friends visited me. WAE is always a nice Contest with the QTCs and the use of a DX-cluster. There are some pictures of the station on my new website www.lx2a.com
I also changed my call LX2AJ in LX2A. I am member of the WWYC with 25 years and still a very young inexperienced contester. I am also member of the RRDXA. I look forward to the next year hopefully with a better result and also improved setup. 73s de Philippe, LX2A/LX7I

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Worst WAE SSB Contest VE3XD

Unfortunately this was my second worst WAE SSB contest in the past 5 years. The bands just did not cooperate with my low power station. Only 20 meters offered good conditions with 350 out of 405 total contacts and virtually all of the QTCs on this band. A few other contacts on 15 and 40 helped a little. But as usual I had a good time working the EU stations and hope that next year will arrive with better propagation. Yaesu Mark V, Cushcraft X7 Yagi, Alpha-Delta DX/DD for 40 and 80, Writelog. 73, Don, VE3XD.

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selfmade antenna tuner from JA7IC

WAE - an interesting contest UT4EK

My name is Olexander M. Senchurov, "Alex". I am 51 years old and HAM licensed since 1983. Here is a photo of my shack, antenna and PA. This photo I prepared for my special event call EO15EK, which I used from DEC 15-25,2006. In WAEDC SSB I worked as Single op. Because of my work, I had not enough time for a good result. But it was a very interesting contest for me. Many thanks. 73!
UT4EK, Alex.

Alex, UT4EK / EO15EK

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Nice DX – Contacts OK1WCF

I was operating as Single Op. Low Power category and you can look for my results in final results of contest. 1st place in OK and 3rd place in Europe. So I am very happy with this result especially 3rd place in Europe is very nice result for me, because I am a novice on HF bands and this was my first WAE contest in my HAMRADIO life,hi.
My station details:
TRX: IC-746PRO (IC-706 if any problem with 746PRO) ANT: 3el. Tribander for 10/15/20m, INV VEE for 80m/40m and wire vertical for 80m.
Power: 100 watts
Very hard work on 80m, but its usual when you work SSB on 80m :(
No openings on 10m and a few good periods on 15m. For sure the best band was 20m, long long opening and nice propagation especially to North America. I heard many US stations on the band after a few minutes I tried to call CQ, but it's very hard to find a clear frequency and KEEP this frequency with 100W :(

But I was very surprised..... Big pile-ups from N.A. coming a few times..... Many stations gave me a serial number below 010 and for a few stations I was first contact (QSO nr 001) in contest.
At the end of contest I was very happy to work a few new DXCC countries for me and many other nice DX contacts. Hope to CU AGN in WAE SSB 2007.
Best regards, Martin, OK1WCF.
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2-element-40m Beam from LU7HN

First WAEDC – LU5FF

I am very happy for the result. I carry out competitions for 15 years and it is my first WAE in SSB, I am 31 years old and the truth that I had a good time
The station is a Kenwood TS 850, 100w and Yagi antenna of 4 elements. A hug for all.
Javier Pons Estel, LU5FF.
****

WAEDC with Hagenuk – DK1GO

The former Hagenuk shipboard transmitter was doing a good job, only frequency change was a bit uncomfortable, as the TX frequency had to be entered manually. Station operators were: Thomas, DK1GO, and Ingo, DK1MFI.

The station used by DK1GO
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How to log QTC's – VE6CNU

First, let me say that I am fairly new to contesting, having been at it now for not quite 2 years. This was my first WAE SSB contest – and to be honest, I didn't know it was on until I heard stations calling "CQ WAE Contest". I then quickly consulted the internet and read up on it. The part about the QTCs intrigued me, especially since getting a high number of European QSOs from Alberta, Canada is often difficult and certainly much harder than working them from eastern Canada. With the QTCs, I figured I could increase my score considerably – provided I could figure out how to do it! Running N1MM Logger as my contesting software, I found a specific help page all about QTCs but still had trouble understanding how to log them. I must have asked a dozen other operators, of which over half were running N1MM, and every single one said they couldn't figure it out either. Finally, in the last half hour of

The old DL1FK Beam worked on WAEDC CW by HA1ZN

the contest for me (before 20m died here), I figured out how to log the QTCs and virtually doubled my score! This allowed me to obtain over 8,000 points with only 65 QSOs – good enough for #1 in VE6 and #11 in Canada (working only 4.5 hours). More importantly, it was a lot of fun doing the QTCs, which reminded me of handling emergency traffic in a drill.

My shack contains a Yaesu FT-1000MP running 100 Watts to a TH6 six element Yagi at 13m. I also have an inverted vee for 40/80m and a shunt-fed tower for 80m. I actually did manage 3 QSOs to Europe on 40m, during the contest – which is pretty good from here. I'm looking forward to better conditions as the sunspots build up again in the next cycle and getting a much better path into Europe for the next WAE contest. And being able to download the certificates right off the web was a real treat!

I hope the other contesting organizations do the same. This would alleviate years of backlog for some of them. My only suggestion would be for some way to try to make the contest a little more even, as certain parts of the world have much better paths into Europe than others. No doubt the organizers are working on this, as they seem to be a very creative and innovative bunch!
Jerry, VE6CNU
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WAEDC by PA1TT

Dear WAEDC contest friends:
I enjoyed the WAE very much, every time it is begging for the QTC's and some guys just want to keep them, because they have good propagation, and then later find out they still have too much left.
The 2006 WAEDC contest was one with quite strange propagation.

Jan Stademann, PA1TT

I even was able to work long path on 15m with James, 9V1YC and get his QTC's. I can imagine some people were not happy with that because they needed James as a new multi, but James has also the right to give his QTC's away. Some people do a great job and had patience with my (not very fast) type writing. Hope to see you all next year again, good contesting.
Jan de:
Papa Alpha 1 Tangooo Tangooo
****

Computer Problems – EA1CS

Luis, EA1CS in his shack

I have many problems with my computer, and I don´t have much time. I worked only 30 qso´s because my computer was+ crazy hi hi.
I have 28 countries, and a few QTC's.
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Special Story by K6CSL

I live in the small town of Riverbank, CA, USA, 5 miles North East of Modesto,CA I am age 66, I am retired on disability from a 30 year career as a Psychiatric Nurse. I worked as a Crisis Counsellor in the Central Oakland Community Mental Health Center in Oakland, CA.

I became ill with lung disease in 1998. I'm on Oxygen 24 hours a day, but try to keep as active as I can. Prior to attending Nursing School in 1970 I served in the U.S. Navy for 4 years and then worked a number of jobs mostly doing Radio Broadcast Engineering.
I was raised in Phoenix, AZ from age 6-14 by my grand-parents after I lost both of my parents in WW2.

I have been an amateur radio operator since age 9, first licensed in 1949. I was very fortunate that I had an uncle who was a ham and a very famous ham, Barry Goldwater, K7UGA, who later became a United States Senator from Arizona, and who happened to at that time serving in the Arizona State Legislature was the Boy Scout Master at my school. He helped me get started in amateur radio.
My present station is very small and limited. It consists of an ICOM IC-707 and IC-730 transceivers. I have 3 rather unique and unusual antennas. I live in a mobile home park that allows me to have amateur radio, but does not allow me to have a "visible" antenna. So I designed a Dimond shaped Delta Loop antenna that is 4.27 Meters high, the height of the back wall of the mobile home, and 8.23 Meters wide, the width of the mobile home at the eaves. The loop is radially mounted with TV feedline standoffs and is fed at the bottom center with RG58X coaxial cable. It is tuned with an MFJ-949E antenna tuner and is used on all bands. It does a really amazing job into Europe. I also use an indoor Coaxial Dipole, 13,7 Meters long that is mounted along the center ceiling beam of the mobile home. My third antenna is a 3.7 Meter square horizontal loop that is mounted around the top of the walls of the radio room. It is fed with RG58X coax at its South West corner and favours the south Pacific and Asia. I have always loved contesting. I only operate Single Operator, and my station is limited to no more than 100 Watts because of my proximity to nearby neighbours. I have managed so far not to have any RFI complaints from neighbours.

The mobile home park I live in is the only one of over 100 parks in Stanislaus County that will allow amateur radio, because of problems in the past that have come mostly from errant Class D Citizens Band users who have often caused problems using illegal amplifiers. I have belonged to the Northern California Contest Club since 1978. From time to time I used to guest operate from W6OWQ in Belmont, CA, near San Francisco until Bill Jackson, its owner moved from the area. He is now SK. I also used to operate contests from the Oakland Radio Club station at the Oakland Red Cross building, W6OT, until that club disbanded in 1989.

Since my retirement I now have more time for radio, so I am appearing in more contests. The contests I regularly operate are the ARRL and CQ Magazine annual contests, and those sponsored by the National Contest Journal and of course the California QSO Party, which is sponsored by NCCC. I have entered the WAE contest the last couple of years for the challenge of trying that contest with my limited station.

My favourite mode is CW. I use an MFJ Grandmaster Memory keyer for some of the work and only this last year, with the help of my XYL's brother K7CRS, who lives in Wisconsin, I obtained a Laptop computer and have began using a computer logging program. I'm looking forward to this years WAE CW contest. You might be interested that several times now, since moving here to the San Joaquin Valley in 1999, I have achieved 1st Place, Low Power in the ARRL San Joaquin Section in ARRL DX CW, IARU Radio Sport (in which I operated CW only) and in last years ARRL 10 Meter Contest. 73's Bert H. Cook, K6CSL.

Luciano Scandelari, PY5KD, operating from PY5EG (Mr Oms)

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J43J worked from Peloponnes, SV

Peloponnes, Greece, QTH of J43J

In the background you see the island IOTA EU 158. DJ5JH, and SV0XAO worked with IC-751-A and SB-220. Antenna. 3-element beam and Double-Inverted-V for 80 and 40m.
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No QTC in WAEDC – XE1L

Operating station of Luis, XE1L

It was only me (one operator) in the contest and I used a very old and battered Kenwood TS-440 S.
My antenna is a tri-band yagi TH7DX from Hy-Gain which was set up in 1985. I usually go with the rig's power output around 75 to 90 watts input. The only disadvantage with the WAEDC Contest is that I do NOT have the QTCs in my logging program and those are made manually. I developed for that special feature a QTC File program on Microsoft Excel which I fill up after the contest. I know it is a time consuming task, but if you would come out with a program that will log and make an MSDOS Program with the special logging space for the QTCs it will be greatfully appreciated. By the way I am 62 years old now and I have been contesting the WAEDC for many years, I think for more than 6 years now. 73 & DX de: XE1L, Luis Chartarifsky
****

Problems with software, TI2KAC

WAEDC QTH TI2KAC

I prepared my station two days before the contest, the radio, connections and the log. Starting the contest on time and running very nice, I was working nice pile-ups and the people asked for QTCs and I said not at this moment, but my logistic is more stations worked and after send QTC, when I try to send my first QTC, incredible I don't know how. Because last year I worked with other log and now is terrible don't send qtc…in the night I study the log and know how send the qtc and anybody liked send my qtc…I have 34 qtc to send and no people liked say no problem I end my contest with all the qtc…. The second day the propagation covers the price for not working the qtc the first day and the bad propagation came and very few people worked…sorry.
My transmitter is Kenwood TS-2000, amplifier Alpha 91-B and my antenna is TH6 Dxx Hi Gain tribander at 22 meters hi. For low bands is twin slooper from alpha delta 40, 80 and 160 at 18 meters. This Contest WAEDC is the most interesting contest I worked because the traffic of QTC is very nice and move more information in the contest, is more satisfactory than others for more data.
Thanks and see you in next Contest (Obviously more prepared with the log..Hi hi hi).Carlos, Ti2KAC
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Z37M – WAEDC RTTY Enthusiast

As a big RTTY and contest enthusiast, we are every year participating in most popular RTTY.

One of the most interesting of all of these contests for us is WAEDC. Why WAEDC? Because of the exchanged QTC's which make this contest to be more attractive, more hunting during in, and of course more exiting. Last few years we are permanently in this contest and always ranking in 5 top stations in Multi single category.

Z36W & Z31MM (Z37M Team)

So the target this year was to continue with this success. In comparison the conditions between last year and this year we didn't expect some miracle because they were very bad now and maybe worse than last year. Anyhow our goal was to make a result like last year (2005). Also this year we planned to have biggest attention on collecting QTC's and hunting multipliers. We started the contest on the low bands and condx were not too bad, After first 12 hours we made 540 qso or 100 more than last year for the same time. After 24 hours 1050 qso's or 200 more than last year, but also there were much more qtc's and multipliers too. In the end we finished with 1560 qso, 100 less than last year but almost 200 qtc and 80 multipliers more than last year and finally last year we had claimed 1.6 mil points and this year claimed were 2 mil. points which is our best score ever in WAE RTTY contest. Most important thing this year was that, that Murphy wasn't with us HI. Except maybe on Sunday morning when we had 50 min. electricity off. Anyhow nice fun again!

TH6DX Beam - Z37M Team

Equipment we used was:
FT 1000 mp and FT 920, ETO 91b amplifier and SB-220. Antennas: TH6DX for high bands and Delta loops for low bands. Software we used was WRITELOG 10.54 ver. Operators were Z31GX, Z31MM, Z35T and Z36W. Thanks WAEDC for the very nice contest and we wish you to continue with this fine Contest in the future.
73 from Macedonia! Z37M-Team
****

Coming up - WAEDC 2007

Spotlight on the US call areas

Working as the new WAEDC manager for a couple of months now, the vast majority of emails I got was really positive. There seems to be only one thing that keeps popping up every now and then from US stations: The call areas.

Apparently we did not make a very good job in 2006 taking care of the call areas especially in the US. In theory there can be a W6ABC entering a log into WAEDC but in fact operating from W2 land or vice versa. That screws up the whole call area idea. There are significant differences of how easy or difficult it is to work into Europe depending of where in the US you are located. Would it be fun "winning" call area six if you are actually located in area two? Of course we can not manually keep track of who is where in the US. This way it would also not be very transparent in the result lists at all. On the other hand we know that long winded callsigns are a pain too - nobody likes to operate W6ABC/2. This creates all kinds of possible errors.

Here is our approach for 2007 to get this right:

You work the contest with your normal callsign. Same way you would normally do.
Enter your callsign into the Cabrillo file like: CALLSIGN: W6ABC/2

Of course this effects only stations that work from other call areas than their callsign would suggest. There is no need for W6ABC/6 if you worked from the Call area 6.
****

RK3MWD – ignored the QTC's

Members of RK3MWD - Team

RK3MWD is the leading club station of Yaroslavl region.
Its call sign is well known by hams from Russia and other countries. We did try to participate in WAEDC first time few years ago. The contest rules seemed to be too complex and we ignored the QTC reception deciding to limit ourselves with highest possible number of QSOs.

However when the result had been analysed, we understood clearly – without receiving messages from correspondents (QTC) participation will be unsuccessful. In 2006 we've already got suitable software and fully equipped station. We have decided to use shift tactics. Team operators had been determined, we split into pairs and divided time so that everyone could express himself in full. It is true that among the many amateur bands an operator prefers to use just few of them. RK3MWD operators in WAEDC 2006 were: RA3MF, RU3MI, RV3MI, RW3MR, UA3MQH.
Total technical support had been provided by RX3MA, UA3MEJ and UA3MMM (as usual). We used the following equipment:
Antennas: Inverted Vee - 80 m, Quad's - 40-20-15-10 m, GP 40 m. Transceiver: Kenwood TS-850S Amplifier: ex-Military (R-140 with home-made tuning) - GU43B tube Computer: Intel Celeron 1700 MHz + AATest RC7 software

Antennas of RK3MWD-Team

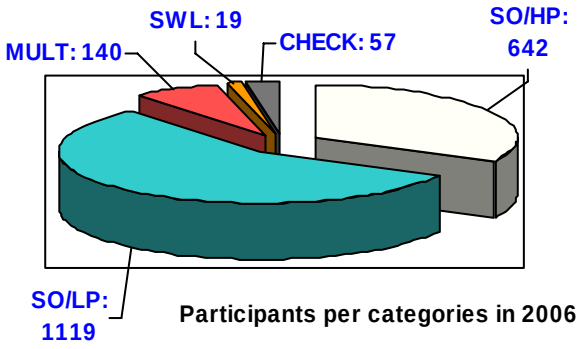
WAEDC contest did impress us by its dynamic, live beat and we even didn't realize that the contest finished – time had gone very quickly. Immediately after WAEDC contest finished, we had got feelings that the result should be good enough. However we couldn't realize that we are first in our country and on 14th place in Europe.
That result is very good for us. Such achievement gives us energy and desire to try to achieve even better results in future WAEDC.
Amazing Contest rules, fair and quick judging created one of the best radio amateur competitions. We are very appreciating event's creators and supporters hard work as well as all our correspondents. See you in WAEDC 2007! 73! de RK3MWD Team Special thank's to VK5MAV for translation of this story.
****

Statistics

A total of 1,977 logs were received in WAEDC 2006 (2005: 2,012).

In total 731 logs were received for the CW portion (782 in 2005), 617 for SSB (536) and 629 for RTTY (694).

Note that the number in CW is declining while the participation in SSB and RTTY is rising. 131 paper logs arrived and were typed into the computer. Special thanks to everybody involved for his help.



Participants per categories in 2006

Received logs since 1999:

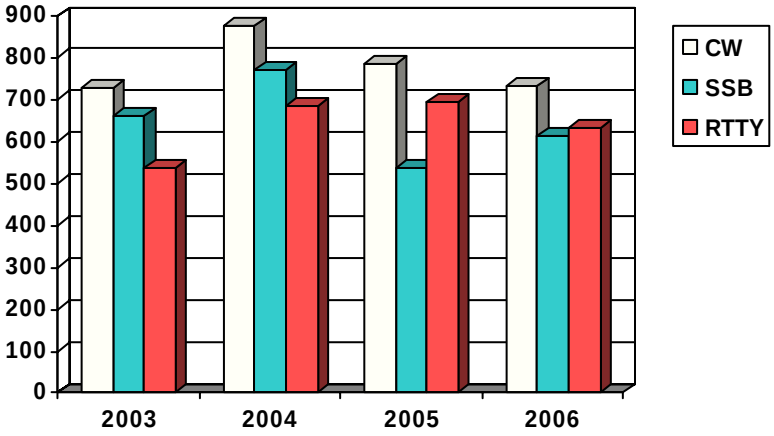
Year	CW	SSB	RTTY	Total	QSO's
1999	598	594	225	1417	442,505
2000	473	545	267	1285	381,766
2001	671	619	287	1577	527,231
2002	652	662	324	1638	540,785
2003	728	660	537	1925	537,051
2004	875	771	638	2284	638,386
2005	782	536	694	2012	489,514
2006	731	617	629	1977	514,868

Note that the nuber of received logs is declining while the QSO rate is rising.

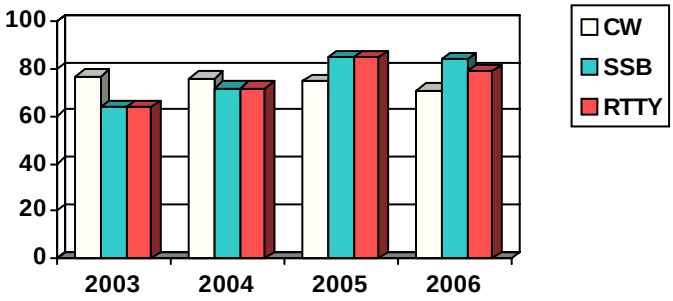
Activated countries since 1999

Year	CW	SSB	RTTY
1999	70	72	56
2000	67	72	58
2001	71	79	56
2002	73	84	64
2003	77	64	64
2004	76	72	72
2005	75	85	85
2006	71	84	79

Received logs by category since 2003



Activated countries by category since 2003



Participants per categories in 2006

KAT	CW	SSB	RTTY	Total
SOHP	270	194	178	642
SOLP	383	335	401	1119
MULT	59	58	23	140
SWL	8	9	2	19
CHK	11	21	25	57
SUM	731	617	629	1977

In 2006 it was really a fair play WAEDC Contest, there were no disqualifications.

Some more facts

The results 2006 were published on time!
The certificates were published online together with the results. The plaques and trophies will be sent by post.
Special thanks to DL6MHW and DL6OCK for programming the robot.

52nd European DX-Contest (WAEDC) CW 2006

Results by Helmut Müller, DF7ZS (df7zs@dxhf.darc.de) WAE-DX-Contest-Team: DK9TN DJ1YFK DL1MGB DL2LAR DL2YOU DL6MHW DL6OCK DL8MBS DL8WPX DL8WX DL9ZWG

Continental Winners

Single Operator

Africa	EA8MQ
Asia	ZC4LI
Europe	RW1AC
North America	VY2ZM
Oceania	ZL6QH
South America	LU7HN

Single Operator/LP

Africa	CN8YR
Asia	RA9DZ
Europe	S57DX
North America	K1XM
Oceania	YBØDPO
South America	PS2T

Multi Operator

Africa	-
Asia	RK9AWN
Europe	DM1A
North America	KC1XX
Oceania	YE1ZAT
South America	LR2F

SWL Category

Africa	-
Asia	-
Europe	R3A-847
North America	-
Oceania	-
South America	-

Results by Country

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").

Top Scores

Call	Score	QSOs						QTCs	Multiplier					
		80	40	20	15	10	all		80	40	20	15	10	all
Top Ten Single Operator Europe														
RW1AC	1,696,065	100	297	587	129	29	1142	1643	152	183	146	94	34	609
LY2IJ	1,330,056	47	359	419	95	17	937	1611	108	180	134	76	24	522
OM2VL	1,265,575	83	278	397	146	66	970	1231	132	165	142	88	48	575
OL8M	1,179,500	78	309	407	136	40	970	1389	112	156	124	74	34	500
S58A	1,176,240	75	345	406	176	57	1059	1203	104	156	122	96	42	520
RD3A	1,173,236	123	277	458	103	30	992	1247	128	174	124	72	26	524
IO3P	1,044,151	33	314	483	149	71	1050	1307	60	135	122	80	46	443
YR1Z	1,021,026	53	242	369	62	19	745	1529	92	153	118	60	26	449
UA6LV	1,018,032	73	248	328	144	33	826	1178	128	144	118	82	36	508
OHØR	1,011,012	95	317	512	69	14	1007	1069	120	159	130	60	18	487
Top Ten Single Operator Outside Europe														
ZC4LI	1,788,222	178	422	620	396	236	1852	1790	140	117	88	74	72	491
4L8A	1,735,090	200	494	646	330	99	1769	1772	140	126	90	78	56	490
UA9CLB	1,700,895	228	397	534	377	145	1681	1714	140	123	90	80	68	501
9K2HN	1,681,232	75	470	568	419	227	1759	1773	120	126	88	78	64	476
UA9AYA	1,665,360	218	379	555	228	237	1617	1623	148	126	90	80	70	514
VY2ZM	1,590,792	251	371	742	243	52	1659	1683	148	132	92	70	34	476
RG9A	1,557,465	172	352	573	295	179	1571	1614	144	117	90	74	64	489
VY2/KD4D	1,546,600	154	461	734	237	41	1627	1629	144	129	94	76	32	475
5B/DL5XX	1,312,227	200	308	440	226	187	1361	1390	144	117	80	70	66	477
K3CR	1,303,899	134	386	623	259	45	1447	1470	124	123	86	80	34	447
Top Ten Single Operator/LP Europe														
S57DX	733,828	36	147	313	82	37	615	1301	68	111	112	58	34	383
LY6A	501,611	29	114	201	91	17	452	1019	44	117	98	64	18	341
UT2UZ	372,372	29	119	196	39	7	390	819	56	114	88	40	10	308
LZ9R	358,800	33	125	186	45	7	396	754	56	108	86	50	12	312
LY6M	296,400	35	73	125	60	20	313	599	64	81	96	60	24	325
UW8SM	285,138	33	104	146	34	9	326	696	52	99	86	28	14	279
OK1HX	277,288	24	85	194	48	13	364	648	44	84	82	48	16	274
DK5DQ	274,828	22	84	175	36	10	327	755	48	78	72	40	16	254
DP3D	236,910	42	212	169	46	6	475	419	56	93	72	36	8	265
OK1VD	229,220	34	86	174	41	8	343	442	56	90	90	46	10	292
Top Ten Single Operator/LP Outside Europe														
RA9DZ	667,602	95	267	426	126	25	939	963	100	105	78	52	16	351
PS2T	643,356	3	268	324	293	102	990	1008	8	114	80	72	48	322
K1XM	627,203	42	337	382	76	15	852	857	76	123	88	60	20	367
RX9FB	573,680	68	155	378	164	61	826	790	80	93	76	66	40	355
UA9TZ	467,376	59	269	240	78	64	710	746	72	105	72	42	30	321
RA9FTM	464,960	53	183	339	109	40	724	729	72	96	76	46	30	320
UN4L	463,670	143	315	414	171	122	1165	0	112	108	84	48	46	398
E21EIC	422,820	34	199	278	123	59	693	612	56	102	72	58	36	324
WJ9B/4	385,560	25	193	311	149	0	678	699	48	96	78	58	0	280
RK9AJZ	379,664	12	132	481	157	0	782	774	20	90	78	56	0	244
Top Six Multi Operator Europe														
DM1A	1,735,039	107	335	563	180	66	1251	1756	104	189	144	86	54	577
HG6N	1,647,936	70	309	493	190	59	1121	1740	112	168	144	100	52	576
HG1S	1,427,883	64	331	498	155	77	1125	1534	96	165	138	88	50	537
DLØLA	1,374,820	71	323	500	143	46	1083	1511	100	174	138	80	38	530
UU7J	1,352,653	58	260	382	120	29	849	1708	128	153	128	86	34	529
DLØXM	1,263,246	49	180	440	174	43	886	1548	100	141	148	86	44	519
Top Six Multi Operator Outside Europe														
KC1XX	1,872,936	200	507	813	212	101	1833	1755	164	138	100	72	48	522
N3RD	1,614,419	144	573	720	205	56	1698	1759	124	129	92	74	48	467
NO2R	1,316,753	125	447	652	241	28	1493	1548	112	135	88	68	30	433
RK9AWN	958,020	180	304	411	174	59	1128	1153	128	114	76	68	34	420
JA3YBK	568,182	75	272	431	65	0	843	843	92	111	82	52	0	337
K3DI	565,486	32	264	420	94	19	829	849	60	105	84	62	26	337
Top SWL Category Europe														
R3A-847	1,150,526	0	0	0	0	0	1553	228	0	0	0	0	0	646
Top SWL Category Outside Europe														
-														

Europe

Aland Is.

OH0R	S	1,011,012	1007	1069	487
OH0/SM5AJV (SM5AJV)	"	19,250	82	193	70
OH0/DJ7ST	L	78,824	185	287	167

Austria

OE1TKW	S	3,612	33	96	28
OE4VIE	L	9,702	98	0	99

Azores

CU2/DL3FF	L	330	15	0	22

Belarus

EW8CY	S	122,460	204	576	157
EW8DX	"	109,915	333	112	247
EW8WF (EW8KJ)	"	12,090	60	135	62
EU6AA	L	18,600	150	0	124
EW4DX	"	3,479	71	0	49

Belgium

OQ5M (ON5ZO)	S	671,724	750	942	397
OQ1C	L	20,313	183	0	111
ON5WL	"	19,458	141	0	138
OQ4A (ON6ML)	"	7,840	98	0	80
ONL383	W	112,890	263	92	318

Bulgaria

LZ2PL	S	343,349	472	591	323
LZ8A	"	32,643	105	174	117
LZ3FN	"	5,358	97	17	47
LZ5QX	L	0	0	0	0
LZ9R- (LZ3YY)	"	358,800	396	754	312
LZ2UZ	"	34,416	144	95	144
LZ1KP	"	13,764	124	0	111
LZ1QV	"	4,539	28	61	51
LZ5XQ	"	3,431	47	0	73
LZ1MC	"	40	5	0	8

Croatia

9A8UA (UA2FB)	S	525,624	700	752	362
9A2VN	"	912	24	0	38
9A3TU	L	18,590	130	0	143

Czech Republic

OL8M	S	1,179,500	970	1389	500
OK2FD	"	268,392	400	444	318
OK1JOC	"	9,920	72	52	80
OK2SWD	"	5,440	76	9	64
OK2ABU	"	4,964	68	0	73
OK1TFH	"	4,428	82	0	54
OK1HX	L	277,288	364	648	274
OK1VD	"	229,220	343	442	292
OK2RU	"	228,384	352	380	312
OL0A- (OK1CZ)	"	197,888	258	515	256
OK3C	"	146,672	226	486	206
OK1FCA	"	27,963	197	42	117
OK1KZ	"	14,443	143	0	101
OK1ARJ	"	11,100	100	0	111
OK2PBG	"	7,520	94	0	80
OL6W (OK2FB)	"	6,026	76	55	46
OK2BND	"	5,929	77	0	77
OK2EC	W	101,232	314	142	222

Denmark

OZ8SW	S	3,456	64	0	54
OZ0F	L	1,260	42	0	30
OZ1DGQ	"	306	17	0	18

England

G3TXF	S	138,204	301	397	198
G0MTN	"	18,620	89	101	98
G3UFY	"	13,770	129	24	90
G4DBW	"	11,960	115	0	104
G0VQR/P (G0VQR)	"	1,040	40	0	26
M3CVN	L	61,308	174	219	156
G3RSD	"	44,220	135	195	134
G3LHJ	"	21,240	180	0	118

Estonia

ES4MM	L	3,339	63	0	53
ES1A	M	581,938	761	716	394

European Italy

IO3P (IZ3EYZ)	S	1,044,151	1050	1307	443
IK2SND	"	104,139	513	0	203
IK2AIT/2	L	0	0	0	
I2WIJ	"	203,840	304	480	260
I3FDZ	"	132,408	241	372	216
I2AZ	"	17,250	125	25	115
I2GPT	"	11,557	91	0	127
IK2IKW	"	9,135	87	0	105
IZ8GCB	"	1,564	34	12	34
IK2IAR	"	720	18	0	40
IK7FMQ	"	266	14	0	19
IZ5GRS	"	78	6	0	13

European Russia

RW1AC	S	1,696,065	1142	1643	609
RD3A (RD3AF)	"	1,173,236	992	1247	524
UA6LV	"	1,018,032	826	1178	508
RT3T	"	369,014	366	836	307
UA3QDX	"	108,108	237	309	198
RK3ER	"	95,064	312	154	204
UA6AA	"	55,986	136	298	129
RV3BQ	"	35,112	151	115	132
RK3QS	"	25,704	189	0	136
RA1TV	"	23,068	158	0	146
RA3DH	"	7,238	94	0	77
UA6LAM	"	6,460	74	21	68
RW3DY	"	3,245	55	0	59
RA1QN	"	378	14	0	27
RA3TT	"	84	7	0	12
RZ4AG	L	222,893	314	567	253
RK4HD	"	196,560	256	446	280
RW4PL	"	185,380	252	554	230
UA1CEC	"	151,011	220	579	189
UA4LU	"	141,180	208	516	195
UA1CUR	"	74,649	165	282	167
RK6ATQ	"	71,940	186	359	132
UA3QG	"	54,315	174	181	153
RA1AR/3	"	44,730	116	310	105
RW3AI	"	39,444	202	26	173
RW1CX	"	33,078	120	178	111
RX3MM	"	30,450	174	0	175
UA3DMO	"	23,405	151	0	155
RW6AH	"	20,234	129	22	134
RV3QX	"	15,933	123	18	113
RA3XO	"	14,420	133	7	103
UA4AGO	"	12,512	110	26	92
RA3XEV	"	12,240	120	0	102
RW6BN	"	11,322	111	0	102
UA4AAC	"	11,025	105	0	105
RA3UAG	"	10,269	60	103	63
RN4AK	"	9,024	96	0	94
UA3QIX	"	8,265	87	0	95
RW3VZ-	"	3,618	67	0	54
RV1AT	"	3,060	51	0	60
RX3VF-	"	2,904	66	0	44
UA6LFQ	"	2,100	30	0	70
RA3FD	"	1,677	39	0	43
RW3TA	"	1,064	38	0	28
RK6CM	"	1,056	44	0	24
RU3VD	"	624	24	0	26
RV3DBK	"	380	20	0	19
UA4FUW	"	330	15	0	22
R3A-847	W	1,150,526	1553	228	646

Fed. Rep. of Germany

DL7ON	D04	S	984,242	851	1298	458
DK9PY	K04	"	912,912	959	1017	462
DL9AWI	X11	"	876,360	803	1207	436
DF9LJ	M15	"	675,500	696	1054	386
DL1CW	P51	"	509,220	716	760	345
DL2ZAE	F70	"	399,051	592	725	303
DR1A (DL7FER)	L06	"	374,535	729	576	287
DL8WX	K24	"	298,274	419	599	293
DL5JS	R01	"	261,648	391	557	276
DL6KVA		"	174,640	245	495	236
DJ9AO	X22	"	128,575	348	347	185
DJ9RR	E03	"	112,706	197	320	218
DL3AMA	X06	"	91,686	190	328	177
DK0MN (DK3YD)	C12	"	85,920	231	249	179
DJ6OZ	E18	"	84,912	338	10	244
DP4N (DL4NER)	B17	"	42,444	149	113	162
DJ6QT	F62	"	38,800	200	0	194
DL8KJ	O16	"	38,009	199	0	191
DF2UU	A24	"	33,210	162	0	205
DK5EZ	R29	"	26,950	168	7	154
DL3EBX	R09	"	22,116	125	69	114
DJ2IA	Y25	"	21,021	143	0	147
DJ9HX	P50	"	20,898	129	0	162
DL8UNF	Y24	"	11,413	113	0	101
DL6RBH	U20	"	6,365	95	0	67
DL1HCM	E03	"	6,325	48	67	55
DR5O (DG3EX)	R29	"	5,035	53	0	95
DF5AU	X22	"	4,958	58	16	67
DP9A (DK4WA)	Y37	"	4,108	65	14	52
DL1TPY	Y09	"	3,920	70	0	56
DL8YR	G01	"	3,477	61	0	57
DJ3WE	C01	"	2,448	37	14	48
DL3DD-		"	2,378	41	0	58
DK4JT	R29	"	1,248	26	0	48
DF1RL	M35	"	728	26	0	28
DL1DBR	O17	"	561	17	0	33
DK5DQ	O32	L	274,828	327	755	254
DP3D (DK3KD)		"	236,910	475	419	265
DK1QO-	Z65	"	228,663	274	667	243
DL9ABM	H07	"	207,375	256	619	237
DJ3JB	M09	"	200,640	256	352	330
DL4JU-	R09	"	196,420	305	500	244
DJ6BQ	I18	"	195,780	320	460	251
DL5KUD	Z89	"	167,014	232	507	226
DL9CW	S01	"	164,500	284	374	250
DL1BUG-Y18		"	160,537	256	433	233
DL3DTH	S07	"	146,223	264	369	231
DL1DQW	S24	"	145,152	249	399	224
DJ9MH	B10	"	144,145	188	447	227
DA3T (DL8DXL)	S22	"	137,608	260	408	206
DD5M (DJ0ZY)	C01	"	128,271	319	188	253
DL1NEO	B05	"	106,496	179	333	208
DL7UMK	Y07	"	101,808	277	127	252
DD1IM-	K27	"	86,140	155	435	146
DJ7YT	M11	"	69,840	178	307	144
DL1ARJ	X28	"	64,010	203	167	173
DL1DTC	N26	"	61,063	269	0	227
DK7FP-	L05	"	52,471	156	227	137
DF1DX-	O16	"	44,550	260	10	165
DJ1OJ	C25	"	44,402	149	149	149
DK1KC	B10	"	43,681	209	0	209
DL4JYT	S54	"	43,660	160	135	148
DJ9MT	M11	"	39,984	204	0	196
DF1IAQ		"	37,490	230	0	163
DL7DZ-	I11	"	35,775	142	123	135
DF1MM	I11	"	32,592	194	0	168
DL1EV	R04	"	29,106	98	199	98
DL3KWF	V11	"	27,716	166	3	164
DL3AWB	X45	"	27,060	165	0	164
DL2IAN	K23	"	27,040	136	72	130
DL3KWR	V11	"	26,274	151	0	174
DL1RTL	Y34	"	21,190	130	0	163
DL3ZAI	F58	"	20,634	127	54	114
DL8UGF	Y24	"	18,746	90	116	91
DK9BW-	I38	"	18,032	98	98	92
DL7RAG	U23	"	17,100	114	0	150
DJ8OG	F62	"	14,840	102	4	140
DF1HF	E21	"	12,744	101	7	118
DG7RO	C06	"	12,600	60	108	75
DJ2YE	R09	"	11,449	107	0	107
DH5JG	L15	"	11,235	107	0	105
DL4UCS	X04	"	8,924	97	0	92
DM4D (DL6CT)	Y18	"	8,448	96	0	88
DL8WAA	S41	"	6,800	80	0	85
DL5KUR	V02	"	4,968	69	0	72
DR1M (DK6HD)	M10	"	4,680	65	0	72
DL2NBY	B01	"	4,536	66	15	56
DJ5GG	B13	"	4,420	55	30	52
DB7MA	M11	"	4,032	56	0	72
DL3BRA	Y16	"	3,969	63	0	63
DL1HTX	W23	"	3,400	50	0	68
DK2ZO	P05	"	3,332	49	0	68
DL1SBF	P51	"	3,082	67	0	46
DJ6UP	G06	"	3,000	50	0	60
DL1YFF	N01	"	2,784	58	0	48
DL7VRG	D21	"	2,500	50	0	50
DL2AXA	X24	"	2,400	50	0	48
DK1LRS-E36		"	2,244	51	0	44
DL1THB	V11	"	2,209	47	0	47
DL6UAM	Y24	"	1,862	49	0	38
DL5ASK	X29	"	1,776	37	0	48
DK4CU	O12	"	1,628	37	0	44
DL4AAE	P51	"	1,540	29	15	35
DL5KM	X10	"	1,428	34	0	42
DG0ETE	S59	"	1,334	29	0	46
DL7JOM	Y07	"	1,044	29	0	36
DL7YS	D06	"	957	18	15	29
DL1ARD	X23	"	864	27	0	32
DL4EAX	R22	"	660	22	0	30
DL9ZWG	W01	"	420	15	0	28
DL8DXL-S22		"	364	14	0	26
DL5ANS	X23	"	350	14	0	25
DJ3XA	V01	"	324	12	0	27
DL4R	U13	"	221	13	0	17
DL9SEV	P51	"	32	4	0	8
DL2ZA	U15	"	21	3	0	7
DL3AWI	X06	"	3	1	0	3
DM1A	A24	M	1,735,039	1251	1756	577
DL0LA	U08	"	1,374,820	1083	1511	530
DL0XM	S41	"	1,263,246	886	1548	519
DR5X	M11	"	737,018	820	982	409
DM1TT	F27	"	611,408	744	698	424
DR3X	S04	"	494,904	794	419	408
DK0OG	C15	"	438,698	586	636	359

DM5EL	S21	"	407,316	549	570	364
DL0QS	I30	"	374,868	387	770	324
DM4G	H24	"	350,581	539	560	319
DK0OD	C06	"	321,110	600	385	326
DF0SX	P51	"	214,393	405	392	269
DL0BO/PO	04	"	192,873	377	340	269
DM5D	Y43	"	157,410	303	291	265
DM3B	Y14	"	157,383	298	305	261
DL4ME	X30	"	147,420	290	277	260
DL1EJA	L06	"	132,931	433	0	307
DK3QZ	L03	"	113,849	282	347	181
DJ3HW	H04	"	108,810	261	204	234
DK0WK	X36	"	105,094	230	332	187
DL0C	Y13	"	25,576	184	0	139
DK2R	U14	"	20,670	141	18	130
DL0AD	G09	"	9,792	96	0	102
DK5M	X24	"	6,512	74	0	88
DF0AW	R29	"	779	19	0	41
DK5A	X33	"	504	21	0	24
DL0OBL	S04	"	420	20	0	21
DK4QK	N12	"	154	11	0	14
DJ2KH	H04	"	50	5	0	10
DF4AJ	H04	"	32	4	0	8
DG2YIR	H04	"	24	4	0	6
DB7YAH	H04	"	0	0	0	0
DE0MBS	X06	W	746,307	727	452	633
DH2URF		"	108,360	213	174	280
DE2SAT	X23	"	70	5	0	14

Finland

OH6M		S	224,840	560	170	308
OH/DL1DTL/P		- L	37,037	197	62	143
OH6RC		"	9,918	87	0	114
OH8GZN		"	1,800	40	0	45

France

F8DBF		S	15,912	111	25	117
F5UKL		"	9,858	93	0	106
F5CQ		L	18,060	110	30	129
F6KAR		M	1,139,750	1055	1295	485

Greece

J43J		S	100,016	333	43	266
(DJ5JH)						
SV1BJW		L	97,850	210	305	190

Guernsey

MU0FAL		L	8,217	99	0	83

Hungary

HA1ZN		S	35,595	177	138	113
HA7UG		"	3,825	75	0	51
HA3OU		L	49,140	121	347	105
HA7LW		"	2,450	49	0	50
HG6N		M	1,647,936	1121	1740	576
HG1S		"	1,427,883	1125	1534	537
HA5-091		W	50,616	142	10	333

Jersey

MJ/DL8DXW		-L	108	9	0	12

Kaliningradsk

RK2FXG		L	12,750	125	0	102
RU2FM		"	532	19	0	28
RK2FWA		M	1,005,610	905	1365	443

Latvia

YL7X		S	187,146	311	532	222
(YL2LY)						
YL3DX-		"	42,336	179	73	168
YL3GFT		"	5,576	68	0	82
YL2PP		L	20,770	134	0	155
YL5W		"	8,058	102	0	79
YL3FW		"	4,400	55	0	80

Liechtenstein

HB0/DJ9CB		S	56,444	228	46	206

Lithuania

LY2IJ		S	1,330,056	937	1611	522
LY9Y		"	868,000	850	1150	434
(LY2CY)						
LY2IC		"	190,092	245	631	217
LY2BO		"	131,646	248	345	222
LY1DT		"	1,274	26	0	49
LY6A		L	501,611	452	1019	341
(LY2BM)						
LY6M		"	296,400	313	599	325
LY2FN		"	14,896	80	116	76
LY2LF		"	850	34	0	25

Luxembourg

LX1NO		L	18	3	0	6
LX7I		M	1,017,640	1106	954	494

Macedonia

Z35G		L	42,504	144	178	132
Z36W		"	13,986	189	0	74

Moldova

ER4DX)		S	959,427	967	1070	471
(OK1-11861						
ER3ZZ		L	3,306	57	0	58
ER3DX		"	435	15	0	29

Netherlands

PA4A		S	114,300	396	54	254
PA0JNH		"	39,390	202	0	195
PA0LOU		"	37,611	199	0	189
PA5KT		"	20,000	160	0	125
PA5TT		"	48	6	0	8
PG7V		L	14,768	97	45	104
PG2AA		"	9,752	106	0	92
PA2W		"	9,450	105	0	90
PA0KHS		"	8,536	88	0	97
PA3HGF		"	6,279	69	0	91
PA3CWQ		"	3,906	62	0	63
PA7RA		"	1,540	44	0	35
PA0FAW		"	891	27	0	33
PA0ATG		"	266	19	0	14
PA0RBA		"	6	2	0	3

Norway

LN8W		S	742,862	875	1272	346
(LA7MFA)						
LA6YEA		"	96,136	475	313	122
LA6CF		L	22,910	145	0	158
LA7SI		"	648	27	0	24

Poland

SN3X		S	758,646	995	706	446
(SP3SLA)						
SP3GTS		"	111,864	280	192	237
SP5GH		"	85,808	120	226	248
SP2LNW		"	40,828	190	46	173
SP3LWP		"	37,740	204	0	185
SP7IVO		"	7,220	76	0	95
SP5CJQ		"	1,078	22	0	49
SP6JQC		"	754	29	0	26
SP5EOT		"	468	18	0	26
SP9MDY		"	119	7	0	17
SP5CNA		L	77,128	302	9	248
SP9EMI		"	46,170	139	146	162
SP6LV		"	33,276	188	0	177
SP8BAB		"	31,098	213	0	146
SQ9FMU		"	23,236	148	0	157
SP6BEN		"	22,737	159	0	143
SP9FT		"	19,656	146	10	126
SQ5MGG		"	11,590	95	0	122
SP3ASN		"	10,336	61	211	38
SP2AVE		"	10,246	94	0	109
SP8FHJ		"	6,536	75	1	86
SP9KJU		"	6,083	77	0	79
SQ1EUG		"	5,451	58	21	69
SP4AVG		"	5,180	70	0	74
SP5AKG		"	4,698	87	0	54
SP9IHP		"	4,470	52	97	30
SP6OJE		"	4,248	59	0	72
SP5FKW		"	3,420	57	0	60
SP2HMT		"	3,150	38	25	50
SP7FBQ		"	1,404	30	9	36
SQ2AJI		"	210	15	0	14
SP3VT		"	168	8	0	21
SN9Z		M	695,147	619	1132	397
SP9KRT/2		"	3,233	44	17	53
SP3KPN		"	70	7	0	10
SP7-003-24W			228,704	483	538	224
SP-0142-JG		"	660	20	0	33

Portugal

CT6A		L	142,820	314	426	193
(CT1ILT)						
CT1AOZ		"	33,165	201	0	165

Romania

YR1Z		S	1,021,026	745	1529	449
(YO9GZU)						
YR9P		"	602,040	806	578	435
(YO9HP)						
YO9WF		"	23,048	71	273	67
YO2ARV		"	5,185	61	0	85
YO5KIP		"	3,116	82	0	38
(YO5OHO)						
YO9FNP		"	1,104	24	0	46
YO6ADW		L	63,900	242	42	225
YO4AAC		"	54,990	128	342	117
YO5OEF		"	50,589	219	0	231
YO9AGI		"	44,968	135	157	154
YO2QY		"	18,034	127	0	142
YO8RIJ		"	6,612	87	0	76
YO3BBW		"	1,230	30	0	41
YO2ADQ		"	352	16	0	22

Scotland

GM4SID		S	11,448	108	0	106
MM0BIQ/P		L	1,537	29	0	53
MM/DL6MHW		W37 M	30,000	200	100	100

Slovakia

OM2VL		S	1,265,575	970	1231	575
OM8ON		L	148,740	283	272	268
OM7DX		"	74,360	286	0	260
OM3CFR-		"	34,719	203	10	163
OM4EA-		"	17,741	126	31	113

Slovenia

S58A		S	1,176,240	1059	1203	520
S59ABC		"	798,138	765	1149	417
(S51DS)						
S58P		"	9,715	77	68	67
S57DX		L	733,828	615	1301	383
S57XX		"	13,483	91	48	97
S59T		"	550	25	0	22

Spain

EA5FID		S	314,874	486	543	306
EA1WX		L	206,564	375	539	226
EA1CS		"	46,706	174	212	121
EA3RE		"	7,650	75	0	102
EA5EOH		"	6,794	77	9	79
EA3CEC		"	3,577	49	0	73
EA5VN		"	2,552	44	0	58
EA7CA		"	1,672	38	0	44
EA4OA		"	558	18	0	31
EA4OA		"	558	18	0	31
EA4OA-		"	558	18	0	31
EA3OH		"	192	8	0	24

Sweden

SE2T		S	2,668	46	0	58
(SM2YIZ)						
8S4S		"	224	14	0	16
(SM6U)						
SM5LSM		"	24	4	0	6
SM7CIL		"	16	4	0	4
SM7BJW		L	840	30	0	28
SM6BSK		"	216	12	0	18

Turkey (Europe)

YM125ATA		L	512	16	0	32
(TA3J)						

Ukraine

UW5Q		S	915,192	750	1257	456
UT7I		"	727,892	860	702	466
(UT2IO)						
UY0ZG		"	254,508	421	341	334
UW5U		"	202,601	435	286	281
(UY2UA)						
UT7QF		"	165,168	243	349	279
UT4EK		"	28,644	156	75	124
UY5ZZ		"	24,080	97	118	112
UT4PZ		"	144	12	0	12
UT2UZ		L	372,372	390	819	308
UW8SM		"	285,138	326	696	279
UR7EQ		"	111,185	209	392	185
UT8IM		"	90,681	195	348	167
UT2FA		"	33,660	147	159	110
UY5TE		"	17,750	81	169	71
UX7QD		"	15,744	67	261	48
UY7C		"	5,893	55	28	71
UX8ZA		"	4,189	59	0	71
UT1IA		"	2,150	43	0	50
US8MX		"	1,480	37	0	40
UX1IL		"	1,064	38	0	28
UR3LTD		"	50	5	0	10
UU7J		M	1,352,653	849	1708	529
UT9FJ		"	560,303	525	908	391
UR4QWV		"	18,375	147	0	125
UW7W		"	1,152	25	11	32

Wales

GW3SQX		S	75,332	223	286	148
GW3NJW		"	20,844	183	10	108
GW0ETF		L	864	32	0	27

Yugoslavia

4O5A		S	825,711	1050	789	449
YU7KM		L	26,563	263	0	101
YU5T		"	3,696	56	0	66
(YU1JU)						
YU1RS-461		W	69,090	147	0	470

Outside Europe

Afghanistan

T68G		S	21,658	182	0	119
(LA5IIA)						

Argentina

LU7HN		S	502,516	905	929	274
LU4MHQ		"	6,624	46	50	69
LW1E		L	66,289	226	213	151
(LU1EWL)						
LU5OM		"	16,647	90	89	93
LR2F		M	249,312	848	0	294

Aruba

P43JB	S	225,504	450	478	243

Australia Call Area 4

VK4TT	L	1,300	26	24	26

Azerbaijan

4K9W	L	293,859	460	467	317

Bermuda

KG9N/VP9	L	49,941	279	0	179

Brazil Call Area 2

PS2T (PY2NY)	"	643,356	990	1008	322
PY2IQ	"	2,835	36	27	45
PY2BRZ	"	132	11	0	12

Brazil Call Area 3

PY3AU	S	13,770	80	82	85
PY3DX	L	608	19	0	32

Brazil Call Area 4

PY4FQ	L	4,374	41	40	54

Brazil Call Area 5

PY5KD	S	420	13	7	21

Brazil Call Area 7

PY7OJ	L	264	12	0	22
PY7GK	"	252	9	9	14
PR7HR	"	70	7	0	10

Brazil Call Area 8

PV8DX	S	170,560	407	413	208

Canada Call Area 2

VY2ZM (K1ZM)	S	1,590,792	1659	1683	476
VY2/KD4D	"	1,546,600	1627	1629	475
VE2XAA	L	321,542	530	549	298
VE2AWR	"	40,328	140	144	142
VE2FU	"	13,659	87	70	87
VE2FFE	"	4,408	37	39	58

Canada Call Area 3

VE3AT	S	1,112,209	1330	1363	413
VE3DZ	"	1,005,601	1247	1286	397
VE3CR-	"	112,860	241	254	228
VE3IAE	"	4,462	51	46	46
VE3OSZ-	L	138,006	276	285	246
VA3PL	"	102,800	253	261	200
VE3XD	"	56,430	169	173	165
VE3EY	"	56,052	157	167	173
VE3IAY-	"	52,572	167	170	156
VE3GSI	"	50,184	169	159	153
VE3FH-	"	33,033	123	108	143
VA3QP	"	2,691	39	0	69
VE3MIS	M	99,858	263	271	187

Canada Call Area 7

VA7ST	L	29,639	137	140	107
VE7YU	"	2,860	55	0	52
VE7BGP-	"	234	13	0	18

Canary Is.

EA8MQ	S	234,000	464	511	240

Chile

CE3BFZ	S	47,550	237	80	150

China

BY4AA (DL2JRM)	L	1,638	32	31	26
BD7JLR	"	828	23	0	36
BD1FBV	"	648	18	0	36

Cyprus

5B/DL5XX	S	1,312,227	1361	1390	477

East Malaysia

9M6XRO	S	112,992	323	319	176

Georgia

4L8A	S	1,735,090	1769	1772	490

Indonesia

YB2MTA	S	30,504	180	192	82
YC3MM	"	29,680	134	146	106
YB5AQB	"	544	17	0	32
YB0DPO	L	142,524	314	328	222
YE1ZAT	M	157,976	415	453	182

Israel

4X1VF	S	3,900	75	0	52
4Z5QQ	L	60,134	281	0	214

Japan Call Area 1

JF1SQC	S	376,623	704	739	261
JI1ALP-	"	19,503	98	99	99
JA1YPA	"	3,024	28	28	54
JL1LNC	"	648	18	0	36
JK1LUY-	"	2	1	0	2
JM1NKT	L	17,136	125	127	68
JP1SRG	"	8,720	54	55	80
JA1XRH	"	3,348	34	28	54
JA1CPZ	"	864	24	0	36
JE1REU-	"	784	22	6	28
JA1HG	"	96	8	0	12
7K1PTT	M	1,620	27	27	30

Japan Call Area 2

JA2PFO	L	10,170	54	59	90
JK2VOC	"	850	25	0	34
JA2QVP	"	726	18	15	22
7K2GMJ	"	192	8	0	24

Japan Call Area 3

JA3YPL- (JJ3TBB)	L	26,460	105	105	126
JA3YBK	M	568,182	843	843	337

Japan Call Area 4

JR4GPA	L	24,738	200	199	62

Japan Call Area 5

JA5APU	S	48,708	193	203	123

Japan Call Area 7

JA7DLE	S	275,502	607	634	222
JA7IC	"	116,864	442	471	128
JO7KMB	"	51,912	203	209	126
JA7ZP	"	80	8	0	10

Japan Call Area 9

JA9CWJ	S	46,200	186	199	120
JH9AMJ-	L	1,554	21	16	42

Kazakhstan

UP4L (UN7LZ)	S	1,013,931	1148	1249	423
UP0L	"	604,875	844	769	375
(UN9LW)UN9L 571 114	"	128,706	558		
UN4L	L	463,670	1165	0	398
UN6LN	"	178,095	570	579	155
UN7FW	"	82,560	256	260	160
UN6G	"	17,864	76	78	116
UN7QF	"	10,696	91	100	56
UN7EX	"	5,742	99	0	58
UN7BN	"	3,762	66	0	57

Kuwait

9K2HN (9K2RR)	S	1,681,232	1759	1773	476

Kyrgyzstan

EX2M	S	1,042,296	1296	1240	411
EX2A	"	74,681	221	170	191

Madeira Is.

CT3BD	S	1,440	32	0	45

Mexico

XE1ZVO	L	1,025	25	0	41

Morocco

CN8YR	L	34,047	148	143	117

New Zealand Call Area 6

ZL6QH (ZL2BSJ)	S	342,678	679	714	246

RA0

RA0AA	S	113,364	399	405	141
RW0LT	"	35,427	241	0	147
RW0AJ-	"	18,090	201	0	90
RA0AM	"	8,190	92	90	45
UA0DC	"	7,245	63	52	63
RW0UM	"	1,728	48	0	36
RA0AY	L	33,516	128	124	133

RA9

UA9CLB	S	1,700,895	1681	1714	501
UA9AYA (UA9CDV)	"	1,665,360	1617	1623	514
RG9A	"	1,557,465	1571	1614	489
UA9SP	"	1,137,960	1374	1236	436
RU9CK	"	1,006,536	1216	1251	408
RW9QX	"	820,020	1038	1038	395
UA9BS	"	586,201	877	894	331
UA9CDC	"	514,152	702	630	386
UA9KM	"	362,934	636	633	286
RK9JWV	"	241,592	597	599	202
RA9FLW	"	170,016	378	381	224
RX9TX	"	165,594	426	432	193
RK9CZO (UA9CTT)	"	151,558	440	473	166
UA9HR	"	136,584	398	415	168
RZ9IR	"	30,660	148	144	105
UA9TQ	"	1,920	34	30	30
RV9XQ-	"	480	20	0	24
RA9DZ	L	667,602	939	963	351
RX9FB	"	573,680	826	790	355
UA9TZ	"	467,376	710	746	321
RA9FTM	"	464,960	724	729	320
RK9AJZ	"	379,664	782	774	244
RA9KM	"	338,254	652	654	259
RW9QA	"	252,860	468	472	269
UA9XS	"	248,710	474	461	266
UA9FGJ	"	243,538	465	461	263
UA9LAU	"	101,864	428	0	238
RA9XU	"	76,626	387	0	198
RV9YK-	"	65,514	179	179	183
RK9CR	"	62,016	304	0	204
RW9SZ	"	49,572	305	307	81
RV9WZ	"	36,072	250	251	72
RV9COI	"	29,639	139	138	107
UA9OA	"	26,085	117	118	111
RA9UN	"	11,799	99	108	57
UA9FM	"	11,098	89	90	62
RA9AC	"	280	14	0	20
RK9AWN	M	958,020	1128	1153	420
RN9SXX	"	559,383	789	752	363
RK9CWW	"	238,140	486	486	245

Saudi Arabia

7Z1SJ	L	21,828	160	161	68

Singapore

9V1YC	S	219,392	489	368	256

Thailand

E21EIC	L	422,820	693	612	324

UK Bases on Cyprus

ZC4LI	S	1,788,222	1852	1790	491

United States Call Area 1

KB1H (N2TTA)	S	1,135,337	1339	1410	413
K1LZ	"	986,688	1134	1150	432
K1ZZI	"	301,818	553	569	269
K1GU-	"	211,932	419	422	252
W1EBI	"	110,192	281	287	194
K1KO	"	39,760	142	142	140
K1FWE	"	28,611	170	119	99
KC1F	"	27,216	166	170	81
K1XM	L	627,203	852	857	367
W1EQ	"	97,083	239	230	207
W1TO	"	64,440	178	180	180
AE1T	"	52,745	195	190	137
KE1F	"	9,520	56	63	80
K1TN	"	8,890	66	61	70
KC1XX	M	1,872,936	1833	1755	522
K1IR	"	115,830	348	367	162

United States Call Area 2

W2UP	S	349,809	536	547	323
N2MM	"	270,414	548	538	249
K2QMF	"	246,715	462	469	265
W2LE	"	128,780	339	346	188
W2NRA	"	56,265	171	170	165
KD2HE	"	43,508	141	157	146
W2UDT	"	28,782	116	130	117
K2NV	"	23,504	102	106	113
K2DB	"	3,900	50	0	78
KC2GOW	"	1,200	25	0	48
WK2G	L	130,284	338	355	188
K2TA-	"	115,362	243	250	234
N2WN	"	59,850	197	202	150
WA2MCR	"	34,848	116	126	144
N2ZN	"	16,758	82	65	114
KR2AA	"	9,920	78	82	62
NO2R	M	1,316,753	1493	1548	433

United States Call Area 3

K3CR (LZ4AX)	S	1,303,899	1447	1470	447
NN3W	"	1,117,152	1275	1317	431
AA3B	"	940,005	1153	1168	405
K3WW	"	764,014	955	999	391
AJ3G	"	214,630	415	430	254
K3WA	"	167,485	383	396	215
N3KS	"	165,846	393	393	211
W3FV	"	126,000	298	302	210
WA3AAN	"	43,264	164	174	128
K3ZQ	"	26,520	91	104	136
ND3D	"	13,167	128	5	99
N3KR	L	27,494	116	117	118
K3STX	"	12,604	71	66	92
N3UA	"	12,222	59	67	97
W3CP	"	4,784	50	54	46
K3TX	"	4,368	36	42	56
K3TX	"	4,368	36	42	56
K3TX	"	4,368	36	42	56
W3TUA	"	2,924	29	39	43
N3RD	M	1,614,419	1698	1759	467
K3DI	"	565,486	829	849	337

United States Call Area 4

NY4A (N4AF)	S	996,630	1173	1217	417
K4EA	"	472,768	642	686	356
KM4M (W3BP)	"	429,825	776	787	275
N4ZR	"	375,978	662	676	281
K4LTA	"	250,875	559	566	223
AD4EB	"	240,219	426	435	279
N4PN	"	235,200	700	0	336
N4BP	"	210,152	433	439	241
K4BAI	"	206,397	482	487	213
K4GMH	"	196,992	428	436	228
N4CW/1	"	157,168	445	448	176
K4YKZ	"	136,884	328	343	204
K4DJ	"	122,683	289	298	209
N4GG	"	119,082	270	264	223
N4ZZ	"	102,600	283	287	180
W4BQF	"	86,714	215	239	191
K4RO	"	20,488	98	99	104
W4NTI	"	20,227	179	0	113
NF4A	L	99,229	266	183	221
W4CU	"	65,913	184	197	173
NT4D	"	27,690	105	90	142
W4EE	"	22,785	147	0	155
N4PJ	"	21,460	146	144	74
W4HZD	"	19,968	90	102	104
WA4OSD	"	3,933	39	30	57
K4GM	"	2,856	34	34	42
KI4EZC	"	360	15	0	24

United States Call Area 5

K5ZD-	S	446,124	651	665	339
N5ZK (W5ASP)	"	40,680	163	176	120
KZ5OM (K6III)	"	672	14	10	28
WD5K	L	68,614	200	206	169
K5WW	"	1,025	25	0	41

United States Call Area 6

N6XI	S	0	0	0	
N6AR	"	364,446	593	598	306
W6FA	"	40,768	181	183	112
K6XX	"	33,930	126	135	130
N6ZZ	"	23,484	106	100	114
N6CY	"	22,022	89	93	121
N6MA-	"	7,436	69	74	52
K6TA	"	4,080	46	39	48
K6III	"	528	22	0	24
KN6Y	"	506	22	0	23
N6MZ	L	12,180	88	86	70
N6ZO	M	476,711	799	828	293

United States Call Area 7

W7OM	S	7,544	92	0	82
KS7T	"	4,838	59	0	82
N7VS	"	126	9	0	14

United States Call Area 8

K8AJS	S	159,740	328	324	245
W8OHT	"	27,105	101	94	139
KU8E	L	40,256	134	138	148
KK8I	"	38,482	135	136	142
WB8JUI	"	16,368	132	0	124

United States Call Area 9

W9IU	S	460,790	766	796	295
W9RE	"	283,338	471	483	297
K9UQN	"	14,852	94	94	79
W9YQ	"	3,744	72	0	52
W9WI	"	1,190	35	0	34
WJ9B/4	L	385,560	678	699	280
K9QVB	"	143,385	428	441	165
N9FD	"	5,544	44	44	63
N9JRZ	"	2,530	26	29	46
W9ILY	"	1,496	24	20	34
K9GY	"	760	20	18	20

United States Call Area Ø

N0AT	S	87,522	245	258	174
K0FX	"	41,715	149	160	135
K0RC	L	10,197	103	0	99
W0TY	"	713	23	0	31

Venezuela

YV7QP	L	29,140	144	91	124

Vietnam

3W9JR	S	4,850	47	50	50

Disqualification

-none-

Station Operators

CT6A: CT1ILT, **DB7YAH:** DB7YAH, DL1OBF; **DFØAW:** DL4EBW; **DJ2KH:** DJ2KH, DJ7LB; **DJ3HW:** DD6QN, DJ3HW; **DKØOD:** DJ2FR, DL2MDU, DL4MHA; **DKØWK:** DL5ASE, DL3ARK; **DK2R:** ?; **DK3QZ:** DK3QZ, DL3QQ; **DK4QK:** DK4QK, DF9YD; **DK5A:** DL5AZZ, DL5ARM; **DLØBO/p:** DF2CH, DK2WC, DL4DZ, DL9UN; **DLØC:** DL1CC, DL8UKE; **DLØLA:** DD1LD, DJ5CL,DK4YJ, DL4RDJ, DL6RAI; **DLØOBL:** DL1DSW, DG7DNL; **DLØQS:** DL8QS; **DL1EJA:** DL1EJA, PE2SVN; **DL4ME:** DL4ME, DL4SM; **DM1A:** DJ5MW, DK9IP, DL1IAO, DL3YM, DL7JAN; **DM1TT:** DM1TT, DH3FAW; **DM4G:** DL1OD, DF3OL, DK1WB, DJ3AK, DL1RNN; **DM5EL:** DM5EL, DF2CK, DL1DVE, DL3VTA; **DR1A**: DL7FER, **DR3X:** DL8VL DL8DWW; **DR5X:** DL8LAS, DL9EE; **ER4DX:** OK1-11861, **ES1A:** ES1GE, ES1GF; **EW8WF:** EW8KJ **F6KAR:** F5VIH/SV3SJ, F6IRF, F6IFY; **HG1S:** HA1TJ, HA1DAC, HA1DAI, HA1DAE; **HG6N:** HA1AG, HA3OV, HA6ND, HA6NY; **IO3P**: IZ3EYZ, **JA3YBK:** JG3KIV, JH4NMT; **JA3YPL**: JJ3TBB, **J43J**: DJ5JH, **KB1H**: N2TTA, **K3DI:** W3UL, K3DI,; **KC1XX:** K1GQ, KA1R, KM3T, N2NC, W1FV, WA1Z; **K3CR**: LZ4AX, **KM4M**: W3BP, **KZ5OM**: K6III, **LR2F:** LU2FA, LU1FAM, LU1FZR, LU5FF.; **LX7I:** DL1EFD, DL1EKC, DL4SDW, DL8SCG, LX2A; **LY9Y:** LY2CY **LY6A**: LY2BM; **LN8W**: LA7MFA **LW1E** : LU1EWL ,**LZ9R**-: LZ3YY **MM/DL6MHW:** DL6MHW, DL3ABL; **N3RD:** N3RD, N3RS, W8FJ, N3DXX; **N6ZO:** N4BAA, N6ZO; **NO2R:** NO2R, K2NG; **NY4A**: N4AF, **N5ZK**: W5ASP, **OQ5M**: ON5ZO; **OQ4A:** ON6ML **OL0A**-: OK1CZ **OL6W**: OK2FB, **PS2T** : PY2NY , **RD3A**: RD3AF, **RK2FWA:** UA2FF, UA2FM, UA2FP; **RK9AWN:** RK9AAV, RZ9AR, RA9AA; **RK9CWW:** RA9CMO, UA9CIR; **RK9CZO**: UA9CTT, **RN9SXX:** RW9SW, RX9SR; **RW3TA**: ZOOBKOV, **SE2T**: SM2YIZ, **SN3X**: SP3SLA **SN9Z:** SP6EQZ, SP9H, SP9XCN; **S59ABC**: S51DS, **T68G** : LA5IIA , **UA9AYA**: UA9CDV, **UP4L**: UN7LZ; **UP0L**: UN9LW, **UT7I**: UT2IO, **UT9FJ:** UT9FJ, UR5FEL; **UU7J:** URØMC, UT3MD, UT5UGR, UUØJL, UUØJM, UUØJX, UU1AZ, UU1DX, UU2JQ, UU4JMG, UU5WW, UU8JK.; **UW5U** :UY2UA , **UW7W:** UR5WCW, UT7WZ; **VE3MIS:** VE3MA, VA3JK; **VY2ZM** : K1ZM , **VY2/KD4D**: KD4D, **YE1ZAT:** YD1JZ, YD1MAC, YD1ORZ, YC1KZX, YC1KAF, YE1BI, YB1CCF, YB1BAD. **YL7X**: YL2LY, **YM125ATA**: TA3J, **YR1Z**: YO9GZU; **YR9P**: YO9HP; **YO5KIP**: YO5OHO, **YU5T** : YU1JU , **ZL6QH**: ZL2BSJ, **8S4S**: SM6U, **9A8UA**: UA2FB, **9K2HN**: 9K2RR

Checklogs

Many thanks to the following stations submitting checklogs:

CU2JT, DC7ZP, DC9ZP, DJ3LT, DK3LT, DK4WF, DL6OCK, DOØZZ77, HA2MN, K4OH, K6CSL, OK1DSU, RW4FX, YO8AXP.

Soapbox Comments

9M6XRO: Rig - Yaesu FT-1000MP & Quadra Linear, 400 watts output. Ants up 27m (1) 2el Quad (2) Butternut HF2V Vertical. Bands very flat. Openings to Europe were poor and much shorter duration than usual. I was not able to copy the weaker swigs to get a good run going. Sunday was slightly better than Saturday but that is not saying much! Fingers crossed for an upturn next year... **CN8YR:** First time I use N1MM for WAE contest. I had problems to log some UU, RW, RK, stations because they are not considered as European stations. A serial number was given to these stations but they were not logged by N1MM. Sorry for following stations: UU9CI, UU7??, RN6HZ, RK2FWA, UA4LU, RW4PL, UA6LU, UA3QDX. **CU2JT:** Social engagement prevented me from fully participate in this year's WAE contest. I worked most of my old contest friends to give them the CU multiplier as I believe no other CU station was on the contest. I was glad to notice that 15 and 10 meters were open to the USA and South America but I was surprised that the activity was not more intense on 40m first night. This is one of my favourite contests and it was a pity that other activities kept me away for a good deal of the time. I will be back next year and I will tell my wife to make a better planning on the cocktail parties and other activities during the WAE weekend. **DD1IM:** Normally I love the qtc traffic, but my 3rd wae was a disaster: worst performance ever, big time wasting with calling s9-stns, who did not hear my weak sigs, begging 4 qtc's while being overridden by qros. To enter with low power, poor ant condx & limited op time is pure masochism. Really a pity... but tnx 2 all ops, who did hear me. And also tnx 4 the often friendly way of qso-ing. Vy 73, gl es cwfe de Sascha DD1IM **DEØMBS:** As there was no chance this weekend to operate under my call DL8MBS I gave the new K2 a try with a SWL-participation. Pure and simple setup: Only rx, wires, pencil and paper - no cluster, packet and no tape, too. But big fun. **DJ1OJ:** band condx and op not in good shape.... **DKØOD:** TNX for all QSOs and QTCs - We hope to see you all again next year **DK9PY:** Unfortunately I had to take a longer break than decided due to a lightning stroke that killed C7678 on my FT1000D, which created a nice Malfunction. All in all it was great fun to participate again in the best Contest after 16 years!**DLØBO/p:** This time a lot of problems with the equipment. Many new things worked not as they should work. Lost 6 hours. But all time a good feeling and next time the equipment will run 100% **DLØLA:** Low sunspots kept high bands closed. Low bands weren't too good either, lots of static crashes on 80! Highlights were being called by VK6HD on 80 Saturday night and a surprising 10 m opening to the US on Sunday afternoon. Congrats to the competitors at DM1A! **DL7DZ:** RX/TX ; ICOM 706 , Ant GP ;Dipole **DL7UMK:** Nice contest but maybe little less activity then last year. Saturday I had a hang up of my logging software, but no QSO was left. Sunday was a little opening on 10m to make some qso. See you next year! **DM1A:** Year for year, 10m surprises us with a Sunday W/VE opening! **DM1TT:** Thank you all for the QSOs and QTCs! This is a wonderful contest with no dead zone during the last hours of the contest due to the QTC exchange. Special thanks to DL4FAA, DK9VZ and DK1NB for their help. **DM5EL:** our first WAECW participation **DR5X:** Every year a nice contest with good CW ops. **E21EIC:** Good propagation on Low band on Saturday, but on Sunday high QRN. Lots of fun of QTC and Thanks to all QSOs. **EA8MQ:** Very good contest tks all friends to next qso, 73 **GØMTN:** Once again only a part time entry. Too many static crashes - stations did not hear my call, my report, and QTCs were too hard! But that's what makes this a fun game ! **GØVQR/p:** I worked my best DX ever using the FT817 and the Miracle Whip Antenna. It was hard going with only 5 watts but great fun. I was on holiday in New quay for the week so the station was very basic. I had the Miracle Whip fixed to a mag mount sitting by the window. **G3LHJ:** Enjoyable contest wish I could have put more time to it - 10M would not open up to outside EU but 15M was good on Sunday. **G3RSD:** Always enjoy this contest it is so different to others **G3TXF:** It's the QTCs that make WAE-CW such a fun contest. There's great satisfaction in copying a set of ten QTCs from a weak DX station!

52nd European DX-Contest (WAEDC) SSB 2006

Results by Helmut Müller, DF7ZS (df7zs@dxhf.darc.de) WAE-DX-Contest-Team: DK9TN DJ1YFK DL1MGB DL2LAR DL2YOU DL6MHW DL6OCK DL8MBS DL8WPX DL8WX DL9ZWG

Continental Winners

Single Operator

Africa	EA9LZ
Asia	UPØL
Europe	ES5TV
North America	VE3AT
Oceania	ZL2UO
South America	ZX2B

Single Operator/LP

Africa	EA8/DH5JG
Asia	A45WD
Europe	S57DX
North America	VE3DZ
Oceania	YE1AA
South America	LU4DX

Multi Operator

Africa	-
Asia	9K2HN
Europe	DR1A
North America	KD4D
Oceania	-
South America	ZX5J

SWL Category

Africa	-
Asia	-
Europe	DEØMBS
North America	VO1ØØ1SWL
Oceania	VK-CRAIG
South America	-

Results by Country

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").

Top Scores

Call	Score	QSOs 80	40	20	15	10	all	QTCs	Multiplier 80	40	20	15	10	all
Top Ten Single Operator Europe														
ES5TV	2,159,657	55	272	1308	232	2	1869	1340	144	207	198	120	4	673
RW1AC	2,003,508	69	216	891	167	2	1345	1509	180	228	174	118	2	702
LX7I	1,318,896	49	262	791	167	3	1272	1050	100	174	156	132	6	568
OE6MBG	1,303,416	40	373	884	142	1	1440	1086	92	174	146	102	2	516
OM2VL	1,242,316	23	344	773	133	0	1273	994	80	192	170	106	0	548
DL5AXX	1,207,738	46	278	561	198	0	1083	884	100	210	164	140	0	614
4O5A	1,114,113	30	305	865	177	0	1377	690	76	189	174	100	0	539
LY2IJ	1,100,324	25	222	511	170	0	928	1051	84	192	170	110	0	556
YR7M	1,065,467	47	182	455	121	0	805	1194	120	165	134	114	0	533
GW4BLE	1,053,804	46	114	1334	132	0	1626	938	80	87	150	94	0	411
Top Ten Single Operator Outside Europe														
UPØL	2,136,010	230	598	935	594	0	2357	1898	176	138	100	88	0	502
EA9LZ	1,991,340	252	461	1206	133	0	2052	2088	164	147	108	62	0	481
VE3AT	1,634,895	101	538	1319	57	0	2015	1850	124	135	104	60	0	423
K1LZ	1,209,160	246	97	1027	57	0	1427	1385	164	108	102	56	0	430
EXØM	1,059,984	59	286	589	454	0	1388	1210	96	126	94	92	0	408
ZX2B	864,654	6	184	484	567	3	1244	1255	24	132	96	88	6	346
W3UA	832,130	82	168	844	35	0	1129	1120	116	120	94	40	0	370
WX3B	600,809	16	71	916	89	0	1092	1031	48	87	96	52	0	283
N8II	599,426	39	69	711	150	0	969	940	72	84	94	64	0	314
K3WW	584,896	43	34	770	123	0	970	954	80	66	92	66	0	304
Top Ten Single Operator/LP Europe														
S57DX	832,510	29	137	362	71	0	599	1100	92	174	144	80	0	490
Z35T	544,508	30	109	638	120	0	897	485	72	102	124	96	0	394
OK1WCF	522,792	23	48	429	95	0	595	677	72	93	156	90	0	411
UA4FER	355,320	22	53	184	116	0	375	753	48	81	118	68	0	315
DK5DQ	318,159	9	29	274	72	0	384	835	24	57	110	70	0	261
DJ3JB	280,460	24	50	168	67	0	309	431	80	105	120	74	0	379
CT6A	278,596	3	49	438	82	5	577	579	12	69	86	68	6	241
UY4F	251,872	16	34	142	27	0	219	707	48	66	114	44	0	272
DK3W	242,865	11	35	192	33	0	271	674	40	75	100	42	0	257
DJ8OG	231,944	21	35	110	71	0	237	497	64	78	100	74	0	316
Top Ten Single Operator/LP Outside Europe														
A45WD	855,138	72	85	551	565	0	1273	1109	88	81	96	94	0	359
4XØT	548,609	78	57	412	370	0	917	870	96	57	92	62	0	307
LU4DX	296,142	1	39	320	301	2	663	619	4	57	84	82	4	231
VE3DZ	259,971	0	67	630	5	0	702	645	0	87	96	10	0	193
UA9ACJ	254,436	40	63	185	174	0	462	470	68	69	70	66	0	273
UN5PR	251,482	14	137	155	189	0	495	499	28	93	64	68	0	253
PP5JD	240,108	0	42	192	317	1	552	570	0	54	74	84	2	214
N1API	235,505	1	27	564	39	0	631	642	4	51	92	38	0	185
PY1NB	195,435	3	30	258	164	0	455	454	12	51	80	72	0	215
HK3JJH	172,640	2	51	290	67	0	410	420	8	66	82	52	0	208
Top Six Multi Operator Europe														
DR1A	2,952,000	74	431	1508	251	4	2268	1332	164	270	226	152	8	820
HG1S	2,023,560	45	374	1132	270	2	1823	1097	112	213	210	154	4	693
UU7J	1,918,540	84	295	793	204	6	1382	1062	208	249	182	134	12	785
DQ4T	1,272,930	23	269	1093	144	1	1530	735	88	156	184	132	2	562
DLØCS	1,215,445	68	232	513	146	0	959	1050	124	195	162	124	0	605
DQ4W	1,042,560	36	258	426	177	1	898	1022	104	147	166	124	2	543
Top Six Multi Operator Outside Europe														
9K2HN	2,236,950	101	651	1155	768	0	2675	2296	112	150	104	84	0	450
ZX5J	1,710,240	124	305	772	698	20	1919	1644	144	126	100	94	16	480
4LØG	1,591,856	211	379	1045	272	0	1907	1509	164	138	102	62	0	466
KD4D	1,531,200	100	302	1372	139	0	1913	1607	144	117	104	70	0	435
RN9SXX	1,403,530	183	437	701	406	3	1730	1424	140	135	98	68	4	445
ZW5B	1,398,111	38	370	563	672	4	1647	1612	84	141	100	98	6	429
Top SWL Category Europe														
DEØMBS	332,220	0	0	0	0	0	461	217	0	0	0	0	0	490
Top SWL Category Outside Europe														
VO1ØØ1SWL	349,184	0	0	0	0	0	629	75	0	0	0	0	0	496

Europe

Austria

OE6MBG	S	1,303,416	1440	1086	516
OE1TKW	"	11,160	57	129	60
OE4WWL	"	600	17	8	24
OE7AJT	L	11,816	47	164	56

Azores

CU2JT	S	2,491	47	0	53

Belarus

EW3LN	S	10,234	86	0	119
EW6AF-	"	7,462	91	0	82
EW4DX	L	7,250	48	77	58
EU2MM	"	1,044	29	0	36

Belgium

OQ1C	S	133,678	465	286	178
OQ5M	"	18,904	110	168	68
(ON5ZO)					
ON5WL	L	6,834	67	0	102
OQ4A	"	2,970	45	0	66
ONL383	W	36,270	135	51	195

Bulgaria

LZ2PEP	S	36,432	106	308	88
LZ8A	"	90	9	0	10
LZ2UZ	L	39,087	79	224	129
LZ1WJ	"	75	5	0	15

Croatia

9A2EU	L	9,638	45	77	79

Czech Republic

OK2FD	S	114,387	193	226	273
OK2BEN	"	14,602	98	0	149
OK1KZ	"	8,932	77	0	116
OK2ABU	"	8,058	79	0	102
OK1WCF	L	522,792	595	677	411
OK4AS	"	2,850	50	0	57
OK2-9329	W	7,668	50	58	71

Denmark

OZ2JP	L	3,036	46	0	66
OZ1DGQ	"	780	26	0	30

Dodecanese

SV5DKL	L	3,380	32	20	65

England

M0WLF	S	86,560	406	135	160
G0MTN	"	54,000	117	283	135
M0ERA	"	96	8	0	12
2E0PLA	L	4,256	56	0	76
G4NXG/M	"	1,248	26	0	48
G6CSY	"	1,056	24	0	44
G3RSD	"	672	21	0	32
M0MCX	"	189	9	0	21
M4UM	"	117,568	364	304	176

Estonia

ES5TV	S	2,159,657	1869	1340	673
ES5RIM	"	168	12	0	14

European Italy

IZ0BVU	S	22,176	132	0	168
IK2EGL	"	5,478	83	0	66
I2SVA	"	5,060	99	16	44
IK2SND	"	4,680	117	0	40
IZ5DKF	"	3,248	56	0	58
IZ8FDG	"	2,622	37	20	46
IK2IKW	"	1,984	32	0	62
IZ0BNR	"	84	7	0	12
IK0EIE	L	58,265	215	0	271
II1M	"	27,990	84	227	90
(IK1SOW)					
I2WIJ	"	13,200	40	160	66
IZ3GNG	"	13,100	100	0	131
IZ5EBL	"	11,869	143	0	83
IZ0BTV	"	3,604	53	0	68
IT9BLB	"	260	13	0	20
IZ0GYP	"	2	1	0	2
IK2AIT/2	"	0	0	0	0

European Russia

RW1AC	S	2,003,508	1345	1509	702
RU6LA	"	637,032	632	622	508
UA4LU	"	203,250	298	452	271
RK3QS	"	89,362	183	308	182
RN3OG	"	56,350	116	206	175
UA4NC	"	10,494	54	45	106
UA3QDX	"	7,965	48	87	59
RA1ZM/0	"	4	1	0	4
UA4FER	L	355,320	375	753	315
RW4PL	"	95,526	243	306	174
RA6AFB	"	72,924	217	92	236
UA3LHL-	"	63,190	105	340	142
RX1CQ	"	36,960	103	205	120
RX3QDF	"	11,960	72	43	104
RW1CW	"	11,070	49	86	82
RW3AI	"	9,064	54	49	88
RN4CA	"	6,960	80	0	87
RX3DCN	"	6,020	46	40	70
RV3BQ	"	5,616	58	20	72
UA1CAK	"	4,108	31	48	52
RV3QX	"	4,004	52	0	77
RX3AGD	"	2,546	38	0	67
RA3DGH	"	1,880	40	0	47
RD4WA	"	828	23	0	36
RX3MM	"	240	12	0	20
RL3QR	"	45	5	0	9
RK3MWD	M	444,205	549	668	365
RW3WWW	"	202,824	492	134	324
RK3AWK/P	"	10,318	42	112	67
RZ4NWA	"	1,104	24	0	46

Fed. Rep. of Germany

DL5AXX	X34	S	1,207,738	1083	884	614
DL7ON	D04	"	787,983	701	972	471
DJ6QT-	F62	"	583,782	832	474	447
DK5EZ	R29	"	322,725	487	506	325
DL5JS	R01	"	244,808	324	538	284
DJ6T	P04	"	155,194	209	402	254
(DH1TT)						
DF3TE	G22	"	145,360	199	433	230
DH2DAM	O27	"	111,636	160	283	252
DJ1AA	H27	"	98,468	221	257	206
DJ6OZ	E18	"	80,070	295	19	255
DH0GHU	A30	"	79,002	158	260	189
DG4DB	O27	"	54,132	136	211	156
DL6EZ	R01	"	53,664	167	177	156
DP4N)	B17	"	42,600	95	331	100
(DL4NER)						
DL5RBR	U08	"	39,909	113	138	159
DL1TPY	Y09	"	30,315	93	142	129
DL7BA	V12	"	24,960	127	68	128
(DL7BA)						
DJ6TK	M03	"	24,768	76	212	86
DR5O)	R29	"	21,042	106	20	167
(DG4EG						
DL1PT	F37	"	17,731	99	20	149
DL6RBH	U20	"	16,000	110	18	125
DL2RTL	Y09	"	13,761	99	0	139
DL4YAO	C25	"	12,566	103	0	122
DK0MN)	C12	"	11,968	74	102	68
(DK3YD)						
DJ2YE	R09	"	11,305	95	0	119
DL4UCS-	X04	"	10,241	54	79	77
DJ5VI	U15	"	7,232	64	0	113
DF0AW	R29	"	6,656	80	24	64
(DL8DAW)						
DC9ZP	G10	"	6,592	64	0	103
DL8EAQ	R29	"	6,144	64	0	96
DL2JAS	G32	"	3,072	35	29	48
DL2KUF	V12	"	2,880	48	0	60
DJ4EJ	A14	"	1,680	40	0	42
DL6DVU	S07	"	1,520	38	0	40
DM7ML	A19	"	736	14	9	32
DL7PP	K32	"	418	19	0	22
DF5BX	I37	"	396	12	0	33
DM1EM	R01	"	352	14	8	16
DH7YAX	R01	"	160	10	0	16
DK5DQ	O32	L	318,159	384	835	261
DJ3JB	M09	"	280,460	309	431	379
DK3W	W37	"	242,865	271	674	257
(DL6MHW)						
DJ8OG	F62	"	231,944	237	497	316
DJ9MT	M11	"	218,652	238	560	274
DA3T	S22	"	131,655	176	479	201
DJ1OJ	C25	"	66,990	136	299	154
DR4G	C22	"	64,715	301	0	215
(DJ0GM)						
DL4AWA	X06	"	63,525	126	259	165
DK1QC	H19	"	56,092	111	268	148
DJ0VZ	G22	"	50,244	144	174	158
DL9GMN	V11	"	46,200	106	279	120
DJ6BQ	I18	"	41,019	96	267	113
DK2WC	O04	"	37,855	89	246	113
DL4HG	E38	"	36,240	113	189	120
DL2NBU	C12	"	33,550	60	245	110
DL3AWB	X45	"	28,428	70	206	103
DJ3IW	U13	"	25,359	101	136	107
DL4FF	F05	"	24,708	88	125	116
DM4D	Y18	"	23,324	70	168	98
(DL1BUG)						
DK9ZQ	F36	"	21,375	125	0	171
DM3HZN	S53	"	18,928	121	61	104
DL4RCK	U13	"	17,800	65	135	89
DH6DAO	O17	"	17,336	68	129	88
DL9NEI	B25	"	15,752	70	109	88
DL6OAK	H56	"	13,870	80	66	95
DM3BJ	X20	"	13,566	102	0	133
DF2UU	A24	"	12,740	98	0	130
DK7FP	L05	"	12,627	50	157	61
DL2IAN	K23	"	11,466	41	193	49
DF1IC	A19	"	11,324	64	85	76
DL9ZWG	W01	"	11,211	66	45	101
DK5EQ	O27	"	10,414	60	67	82
DL4GBA	P09	"	9,504	64	68	72
DL4VAI	Z19	"	9,393	68	25	101
DJ1FZ	F16	"	8,475	75	0	113
DL1MHJ-	C12	"	8,217	81	18	83
DK8EY	R09	"	8,023	71	0	113
DF2KD	G22	"	7,958	40	133	46
DL2ZA	U15	"	6,120	64	8	85
DK2ZO	P05	"	6,048	29	115	42
DF1HE	I12	"	5,780	68	0	85
DL9URZ	A10	"	4,352	68	0	64
DJ3AK	H24	"	4,200	35	40	56
DL8UGF	Y24	"	4,004	35	56	44
DL8ZAJ	F09	"	3,920	50	20	56
DJ6UP	G06	"	3,720	60	0	62
DL9AWI	X11	"	3,552	18	78	37
DC2LF	M10	"	3,055	47	0	65
DL8DXL	S22	"	3,024	42	0	72
DL3AZI	X06	"	2,912	52	0	56
DL4EAX-	R22	"	2,852	46	0	62
DL9SEV	P51	"	2,820	19	75	30
DL7DST	A19	"	2,652	51	0	52
DB4SP	P05	"	2,166	38	0	57
DL3ZAI	F58	"	2,156	49	0	44
DB8KJ	G22	"	2,132	41	0	52
DL1SBF	P51	"	2,000	40	0	50
DB6FO	Z25	"	1,632	32	0	51
DL6NAL	U08	"	1,566	29	0	54
DG2LO	M35	"	1,518	33	0	46
DB7MA	M11	"	1,452	20	24	33
DG3NEC	B14	"	1,344	32	0	42
DL3AWI	X06	"	1,288	28	0	46
DL5ANS	X23	"	782	23	0	34
DL1DBR	O17	"	780	20	0	39
DJ6QO	M10		667	23	0	29
DO1BEN	G11	"	588	21	0	28
DF5AU	X22	"	480	16	0	30
DF6WE	L14	"	476	17	0	28
DO9JMA	Z19	"	432	18	0	24
DL6UAM	Y24	"	420	15	0	28
DL1ARD	X23	"	400	11	9	20
DB3RH	U28	"	325	13	0	25
DO4ZN	T09	"	240	15	0	16
DL5AZZ	X33	"	154	11	0	14
DK0CN	T19	"	108	9	0	12
DK6AW	T19	"	96	8	0	12
DF6RI	U15	"	84	7	0	12
DL1DXF	S28	"	55	5	0	11
DL5L	X23	"	40	5	0	8
(DG0OKW)						
DG6LAU	M35	"	8	2	0	4
DR1A	L06	M	2,952,000	2268	1332	820
DQ4T	F27	"	1,272,930	1530	735	562
DL0CS	M15	"	1,215,445	959	1050	605
DQ4W	C12	"	1,042,560	898	1022	543
DR5X	M11	"	790,413	749	810	507
DP3A	A36	"	755,424	797	751	488
DK0OG	C15	"	702,960	1011	504	464
DM5EL	S21	"	612,535	609	982	385
DL0QS	I30	"	495,319	515	702	407
DL0GD	H04	"	481,822	647	684	362
DL1DAW	O47	"	440,664	600	432	427
DK0OD	C06	"	168,960	317	343	256
DK0D	T21	"	131,712	191	481	196
DK2R	U14	"	112,700	181	309	230
DL0LSW	Y28	"	65,124	126	276	162
DL0BOV	O04	"	38,232	144	92	162
DM7P	Y09	"	36,450	130	95	162
DL4SM	X30	"	33,022	105	104	158
DF2FM	F36	"	31,700	81	236	100
DL0AD	G09	"	27,846	153	0	182
DK4IO	A36	"	9,984	65	63	78
DK0WK	X36	"	8,556	83	9	93
DL9LR	L11	"	3,648	43	14	64
DL0C	Y13	"	3,000	50	0	60
DL8NCR	B13	"	1,173	12	39	23
DJ9CS	M11	"	312	13	0	24
DL8NAS	B13	"	304	10	9	16
DK2NE	B13	"	144	9	0	16
DE0MBS		W	332,220	461	217	490
DE1NCH	F19	"	46,031	150	41	241
DL-P01-17291						
	P01	"	17,825	115	0	155
DE2SAT	X23	"	96	8	0	12

Finland

OH2KW	S	19,404	105	93	98
OH8GZQ	"	1,040	26	0	40
OH1AL	"	32	4	0	8

France

F4DNW	S	63,180	250	101	180
F5BBD	"	15,240	120	0	127
F4CPF	"	1,200	25	0	48
F1JKJ	L	38,960	248	239	80
F5LIW-	"	29,472	99	208	96
F6DRP	"	18,048	188	0	96
F6KNB	M	9,316	137	0	68

Greece

J43J	S	187,620	325	383	265
(DJ5JH)					
SV1XV-	L	3,843	29	34	61

Guernsey

MU0GSY	L	6,885	81	0	85

Hungary

HA8TP	L	16,280	85	63	110
HA0DW	"	336	12	0	28
HG1S	M	2,023,560	1823	1097	693

ITU HQ Geneva

4U1ITU	S	184,164	542	76	298

Ireland

EI9FVB	L	3,174	46	0	69

Isle of Man

GD6IA	M	881,931	1246	727	447

Kaliningradsk

RK2FWA	S	988,987	906	1037	509
(UA2FM)					

Latvia

YL7X	S	49,140	131	139	182
(YL2LY)					
YL2PP	L	12,936	73	95	77

Lithuania

LY2IJ	S	1,100,324	928	1051	556
LY9Y	"	842,413	969	812	473
(LY2CY)					
LY1FW	"	831,708	771	1065	453
LY6M	"	837	18	9	31
LY2LF	L	952	28	0	34
LY1DJ	"	336	14	0	24

Luxembourg

LX7I	S	1,318,896	1272	1050	568
(LX2A)					
LX1NO	"	39,005	126	143	145
LX6T-	"	1,887	37	0	51

Macedonia

Z35G	S	3,456	37	35	48
Z35T	L	544,508	897	485	394
Z36W	"	32,368	204	85	112

Malta

9H9PA	L	43,676	244	0	179
(PH2M)					

Netherlands

PC2T	S	56,444	112	300	137
PA0JNH	"	34,798	103	151	137
PA9DD	"	15,246	99	0	154
PA3AAV	"	7,900	100	0	79
PA5KT	"	1,443	26	11	39
PA0MIR-	L	65,262	123	315	149
PA1TT	"	31,992	73	299	86
PA1TX	"	27,800	109	169	100
PA0LOU	"	12,480	96	0	130
PA0KDM	"	6,862	73	0	94
PF9A	"	2,100	50	0	42
PA2W	"	2,080	40	0	52
PG2AA	"	600	25	0	24
PA0ADP	"	572	22	0	26
PE2KP	"	256	16	0	16

Northern Ireland

MI3OZX	L	1,080	30	0	36
GI4AAM	"	936	26	0	36

Norway

LA1BNA	S	26,622	122	31	174
LA2OKA	L	1,740	29	0	60
LN9Z	M	21,122	110	8	179

Poland

SO6X	S	371,704	776	0	479
(SP6IXF)					
SP9LJD	"	147,552	318	318	232
SP3GXH	"	14,626	142	0	103
SP5GMM	"	12,900	86	0	150
SP9HZF	"	12,810	51	132	70
SP9BMH	"	3,024	56	0	54
SP4KDX	"	2,156	49	0	44
(SP2FAP)					
SP9IHP	"	2,052	26	28	38
SP2AVE	"	2,050	41	0	50
3Z6V	L	95,742	166	320	197
SP4SHD	"	27,280	101	147	110
SP3JHY	"	17,680	100	36	130
SP2GJI	"	16,506	126	0	131
SP9KJU	"	8,113	41	92	61
SP6DMI	"	6,480	72	0	90
SP9EWO	"	4,686	71	0	66
SP2DKI	"	4,420	52	0	85
SP6M	"	2,842	49	0	58
SP1MWF	"	2,392	46	0	52
SP4AVG-	"	750	25	0	30
SP2HPD	"	572	22	0	26
SN2K	M	47,970	179	55	205
SP8KEA	"	936	26	0	36
SP7-003-24W		179,703	245	242	369

Portugal

CT1/OH2LU	S	598	23	0	26
CT6A	L	278,596	577	579	241

Romania

YR7M	S	1,065,467	805	1194	533
(YO3JR)					
YO3HKW	"	1,600	32	0	50
YO4GNJ	"	952	28	0	34
YO5OEF	L	64,938	237	0	274
YO2MET	"	49,810	130	163	170
YO2MAX	"	36,188	92	240	109
YO3JW	"	2,940	18	87	28
YO8KRR	"	608	19	0	32
(YO5CLN)					
YO9IKW	"	192	8	0	24

Sicily

IT9RBW	S	32,264	218	0	148

Slovakia

OM2VL	S	1,242,316	1273	994	548

Slovenia

S56A	S	137,275	262	213	289
S50O	"	16,592	244	0	68
S57DX	L	832,510	599	1100	490
S50DX	"	13,986	116	10	111
S51DX	"	1,600	30	10	40

Spain

EA3LS	S	4,648	56	0	83
EA1AAW	L	24,064	133	55	128
EC1AGZ	"	2,600	50	0	52
EA1WX	"	1,560	39	0	40
EA1CS	"	1,080	29	1	36

Sweden

SM6U-	S	104,346	527	0	198
SM3PZG	"	12,096	97	29	96
8S0C	L	37,590	137	73	179
(SM0MPV)					
SM7BJW	"	5,624	70	6	74
SM6WET	"	5,590	65	0	86
SM7ATL	"	432	16	0	27
SM7-8190	W	88,430	121	64	478

Switzerland

HB9TQG	L	38,266	109	252	106

Turkey (Europe)

YM125ATA/4	S	52,536	194	204	132
(TA3J)					

Ukraine

UW5Q	S	1,015,666	896	1046	523
EN5D	"	275,954	400	457	322
(UT7DK)					
UY5ZZWAE	"	123,954	206	360	219
UW5U	"	53,865	187	128	171
(UY2UA)					
UR5WCQ	"	53,108	255	119	142
UY0ZG	"	21,944	144	67	104
UT4EK	"	19,046	98	80	107
UY4F	L	251,872	219	707	272
(UR5FEL)					
UW8SM	"	61,662	116	362	129
UT8IM	"	43,512	113	181	148
UT1II	"	3,484	52	0	67
UT2UZ	"	1,462	24	10	43
UR4UGL	"	1,218	29	0	42
UR8IDX	"	1,189	29	0	41
UY7C	"	256	7	9	16
UU7J	M	1,918,540	1382	1062	785
UU5A	"	106,256	142	316	232
UW7W	"	23,100	119	56	132

Wales

GW4BLE	S	1,053,804	1626	938	411
MW0CRI	L	21,632	138	31	128

Yugoslavia

4O5A	S	1,114,113	1377	690	539
YT6A	"	388,944	868	446	296
4O5W	"	24,166	248	33	86
YU1EQ	L	1,152	15	17	36

Outside Europe

Argentina

LU8ADX	S	67,693	248	239	139
L20H	"	50,232	312	0	161
LU4DX	L	296,142	663	619	231
LU5FF	"	115,920	355	365	161
LR4E	"	18,732	119	104	84
(LW4EU)					

Australia Call Area 1

VK-CRAIG	W	97,250	295	94	250

Australia Call Area 7

VK7GN	S	8,112	108	48	52

Azerbaijan

4J7WMF	L	142,524	319	323	222

Brazil Call Area 1

PY1NB	L	195,435	455	454	215
PY1DX	"	342	19	0	18

Brazil Call Area 2

ZX2B	S	864,654	1244	1255	346
(PY2MNL)					
PY2NY	"	519,894	889	810	306
PY2NA	L	63,048	230	214	142
PY2BRZ	"	11,584	89	92	64
PY2DY	"	5,304	68	0	78
PY2IQ	"	1,295	25	10	37
PY2ZK	"	858	22	0	39
PY2ERA	M	151,904	402	406	188

Brazil Call Area 3

PY3PA	S	1,520	40	0	38
PY3DX	L	47,985	227	230	105

Brazil Call Area 5

PP5JD	L	240,108	552	570	214
ZX5J	M	1,710,240	1919	1644	480
ZW5B	"	1,398,111	1647	1612	429

Brazil Call Area 6

PY6KY	S	828	23	0	36

Brazil Call Area 7

PQ7Q	L	59,850	202	197	150
PR7AF	"	5,917	97	0	61
PR7AYE	"	374	17	0	22

Brazil Call Area 8

PS8DX	L	1,392	29	0	48
PV8IG	"	1,312	21	20	32

Canada Call Area 1

VE1MC	S	17,374	146	0	119
VO1KVT	L	59,286	241	0	246
VA1CHP	"	12,540	66	66	95
VO1001SWL	W	349,184	629	75	496

Canada Call Area 2

VE2XAA	L	70,850	325	325	109
VE2AWR	"	24,970	113	114	110
VA2SG	"	5,085	35	78	45
VA2RIO	"	3,116	40	42	38

Canada Call Area 3

VE3AT	S	1,634,895	2015	1850	423
VE3SY	"	557,504	1000	984	281
VE3EJ	"	19,982	108	86	103
VE3DZ	L	259,971	702	645	193
VE3XD	"	141,423	394	405	177
VE3TW	"	22,610	119	119	95
VA3PL	"	17,344	140	131	64
VE3FH	"	15,368	88	48	113
VE3ESH	"	980	20	0	49
VE3MIS	M	159,029	463	478	169

Canada Call Area 4

VE4YU	L	8,385	65	64	65
VE4EAR	"	4,928	64	0	77
VE4LR	"	126	9	0	14

Canada Call Area 6

VE6CNU	L	8,308	65	59	67
VE6DJT	"	264	11	0	24

Canada Call Area 9

VE9MY	M	68,666	248	246	139

Canary Is.

EA8/DH5JG	L	25,894	114	100	121

Ceuta and Melilla

EA9LZ	S	1,991,340	2052	2088	481

Chile

CE3BFZ	S	5,680	60	20	71
3G1K	"	2,040	34	0	60
(XQ1KY)					

China

BD7KLO	L	6,380	69	76	44
BD7JLR	"	1,470	30	0	49
BG1LKK/4	"	112	7	0	16
BY1QH	M	74,304	320	256	129

Colombia

HK3AXY	S	29,070	160	163	90
HK3JJH	L	172,640	410	420	208
HK6PSG	"	1,134	27	0	42

Costa Rica

TI2KAC	S	157,176	346	362	222

Cyprus

H2E	L	169,326	411	407	207
C4M	M	1,165,780	1578	1450	385

Ecuador

HC1JQ	L	510	17	0	30

Georgia

4L0G	M	1,591,856	1907	1509	466

Hong Kong

VR2XMT	S	18,130	185	0	98
VR2XLN	L	27,027	114	117	117

India

VU3DJQ	L	7,920	92	40	60
VU2PTT	"	176	11	0	16

Indonesia

YE1AA	L	15,224	173	0	88
YC0NFL	"	8,890	127	0	70
YB-INS-99	W	75	5	0	15

Israel

4X0T (4Z5FI)	L	548,609	917		
870 307					

Japan Call Area 1

JO1WKO	S	68,068	222	220	154
JQ1BVI	"	35,280	137	143	126
JM1NKT	L	28,885	136	129	109
JA1XRH	"	18,620	99	97	95
JA1MZM	"	7,056	63	63	56
JA1XPU	"	792	21	12	24

Japan Call Area 2

JA2BQX	S	33,604	134	137	124
JH2BTM	"	1,224	34	0	36
JF2FIU	"	364	12	14	14
JA2PFO	L	7,076	63	59	58
JA2MWV	"	4,851	57	42	49
JK2VOC	"	300	15	0	20
JA2GHP	"	252	14	0	18

Japan Call Area 3

JA3PYC	S	8,954	60	61	74
JA3YPL	"	272	17	0	16
(JJ3TBB)					
JA3PFO	L	0	0	0	0

Japan Call Area 4

JF4GWA-	L	2,254	36	10	49

Japan Call Area 5

JA5APU	S	5,368	62	60	44
JA5FBZ	"	3,008	47	47	32

Japan Call Area 6

JH6QFJ	L	31,476	258	0	122

Japan Call Area 7

JO7KMB	S	21,714	113	118	94
JA7ZP	"	1,634	22	21	38
JH7CUO	L	19,488	114	110	87
7N2UQC	"	4,512	50	44	48
JH7RTQ	"	660	30	0	22

Japan Call Area Ø

JA0FVU	S	14,013	82	91	81
JA0VHI	"	11,625	84	71	75
JH0NEC	L	16,168	89	83	94

Kazakhstan

UP0L	S	2,136,010	2357	1898	502
(UN9LW)					
UN5PR	L	251,482	495	499	253
UN7FW	"	24,534	131	130	94

Kuwait

9K2HN	M	2,236,950	2675	2296	450

Kyrgyzstan

EX0M	S	1,059,984	1388	1210	408

Madeira Is.

CT3HF	S	62,640	219	213	145

Mexico

4A7L	L	39,088	181	168	112
XE2AUB	"	1,886	30	11	46

Netherlands Antilles

PJ2F	S	532,760	1255	147	380

New Zealand Call Area 2

ZL2UO	S	20,710	140	50	109
ZL2001SWL	W	11,375	91	0	125

Niger

5U7B	S	114,100	367	333	163

Oman

A45WD	L	855,138	1273	1109	359
(YO9HP)					

Philippines

DV1JM	L	14,896	156	40	76
DU1RB	"	160	10	0	16

Puerto Rico

WP3GW	L	5,100	85	0	60
WP4BH	"	2,440	41	20	40

RA

RU0AJD	S	128,040	388	388	165
RA0AA	"	40,896	211	215	96
RW0UU	"	33,800	162	163	104
RA0AY	L	2,184	36	20	39
RW0UM	"	1,992	43	40	24

RA9

UA9CDC	S	381,264	633	589	312
UA9KJ	"	154,770	501	504	154
RA9FLW	"	25,365	142	143	89
RM9RZ	"	12,852	118	120	54
UA9HR	"	5,206	68	69	38
RV9AZ	"	1,292	34	0	38
RZ9CQ	"	1,032	28	15	24
UA9ACJ	L	254,436	462	470	273
RA9DZ	"	114,345	344	349	165
RW9QA	"	98,362	262	264	187
RA9XU	"	70,975	215	210	167
UA9TZ	"	68,172	239	255	138
UA9BS	"	64,380	215	220	148
RK9CYA	"	62,160	212	208	148
RX9FR	"	61,457	200	207	151
RA9CB	"	57,850	219	226	130
RK9CR	"	57,096	187	179	156
RV9WZ	"	49,140	225	230	108
UA9FGJ	"	47,874	153	150	158
RZ9OW	"	38,906	199	198	98
RA9KM	"	34,556	160	166	106
UA9SP	"	23,422	121	118	98
UA9QA	"	21,855	128	107	93
UA9OMT	"	10,010	130	0	77
UA9OA	"	756	22	20	18
RK9DX	"	16	2	0	8
RN9SXX	M	1,403,530	1730	1424	445
RK9CWW	"	1,238,295	1333	1330	465

Saudi Arabia

7Z1SJ	S	531,216	1062	1080	248

Senegal

6W7RV	L	198	11	0	18

Singapore

9V1YC	S	315,805	732	557	245

South Africa Call Area 6

ZS6RAE-	L	209	11	0	19

South Africa Call Area 9

ZS9Z	L	1,170	39	0	30

Tajikistan

EY8MM	S	22,638	121	110	98

Thailand

E21YDP	S	14,577	129	0	113

Turkey

TA3BN	S	53,339	373	0	143
TA4/KH0DQ	L	124,548	323	319	194

United States Call Area 1

K1LZ	S	1,209,160	1427	1385	430
KC1F	"	51,086	333	290	82
WA1ZYX	"	23,919	99	102	119
W1EBI	"	1,632	26	25	32
AE1D	"	360	12	0	30
KB1NKU	"	12	2	0	6
N1API	L	235,505	631	642	185
AJ1M	"	36,442	132	134	137
W1EQ	"	6,032	53	51	58
K1MSH	"	1,189	19	10	41

United States Call Area 2

N2MUN	S	32,648	162	146	106
W2YE	"	19,504	94	90	106
N2BJ	"	12,960	162	0	80
K2NV	"	7,360	48	44	80
AB2TC	L	21,783	159	0	137
K2MFY	"	18,900	139	131	70
WA2MCR	"	14,766	67	71	107
WB2ATZ	"	9,880	95	0	104
N2MTG	"	2,024	44	0	46

United States Call Area 3

W3UA	S	832,130	1129	1120	370
WX3B	"	600,809	1092	1031	283
K3WW	"	584,896	970	954	304
W3FV	"	161,755	430	435	187
AJ3M	"	112	7	0	16
N3UA	L	4,386	41	45	51
K3DI	M	410,685	753	688	285
W3ADC	"	28,380	330	0	86

United States Call Area 4

N4PN	S	283,484	1082	0	262
K4YKZ	"	198,247	439	450	223
K4BAI	"	70,272	285	291	122
KM4M	"	64,845	194	199	165
(W3BP)					
WB4MSG	"	27,864	223	164	72
K4CZ	"	25,787	137	104	107
N4GG	"	21,922	113	113	97
K4XD	"	8,704	64	64	68
NF4A	L	18,690	133	134	70
K4IU	"	4,232	47	45	46
AI4QB	"	1,640	41	0	40
KD4ULW	"	1,140	30	0	38
WA4OSD	"	680	20	0	34
W4TMN	"	32	4	0	8
KD4D	M	1,531,200	1913	1607	435

United States Call Area 5

K5ZD	S	43,624	132	134	164
WD5K	L	35,404	166	168	106
KN5DX	"	8,925	65	40	85
AD5VJ	"	5,376	42	42	64
K5WW	"	325	13	0	25

United States Call Area 6

KN6RO/4	S	163,800	386	394	210
(KN6RO)					
K6III	"	18,837	103	104	91
W6AFA	"	13,082	102	109	62
N6ZZ	"	1,728	28	20	36
N6XI	"	720	23	17	18
K6CSL	"	100	10	0	10

United States Call Area 7

K7RL	S	40,000	171	149	125
N7BF	"	2,772	40	26	42
NB7V	"	380	19	0	20
N7ZG	L	27	3	0	9

United States Call Area 8

N8II	S	599,426	969	940	314
W8OHT	"	25,560	103	110	120
K8ZEE	"	440	20	0	22
W8GJ	"	364	14	0	26
WB8JUI	L	3,477	57	0	61
KC8YEC	"	180	10	0	18

United States Call Area 9

W9IU	S	320,829	700	701	229
K9QVB/9	"	11,550	82	83	70
W9ILY	L	20,560	127	130	80

United States Call Area Ø

K0KX	L	14,620	83	87	86
AB0OX	"	5,616	54	50	54
WB0YJT	"	4,002	46	41	46
KC0DEB	"	2,684	44	0	61

West Malaysia

9M2CCO	L	204	12	0	17

Disqualification

-none-

Checklogs

Many thanks to the following stations submitting checklogs:

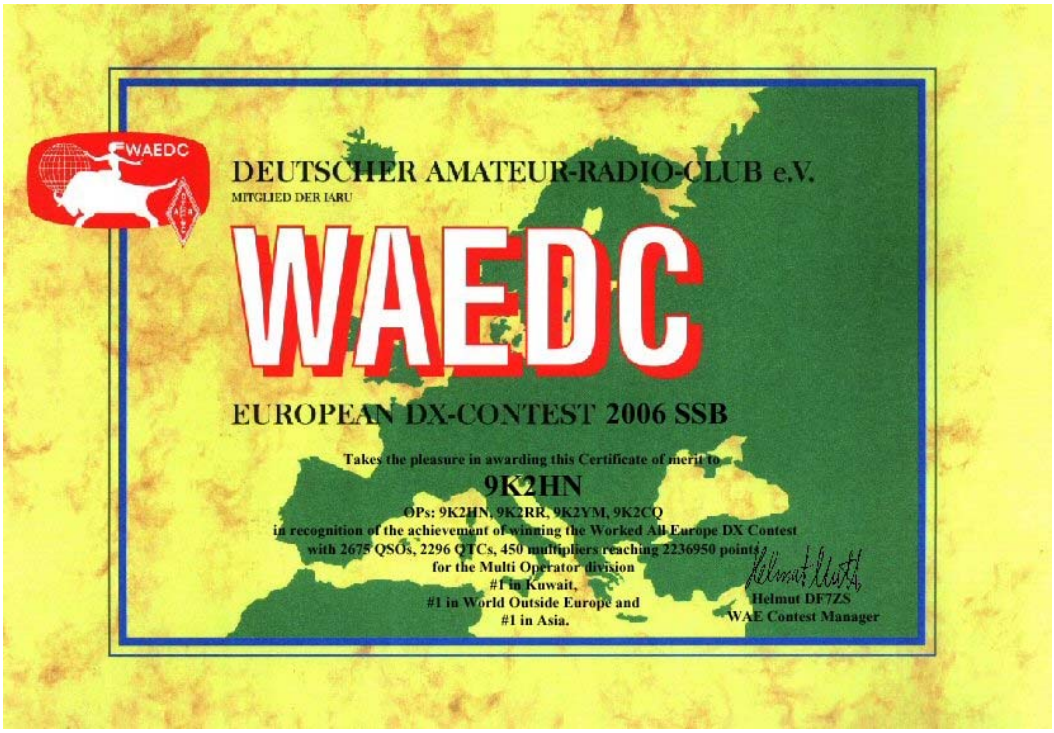
4N7TA, 4Z5MV, 7S1SJ, A3JM, AB8S, AJ1MK, BG1LKK, DAØYY, DAØYY/K1, DB4ST, DC9ZB, DFØSX, DFØSX, DFØSX, DF4A, DG1BQC, DH5MM, DJ4EW, DL8DLX, DL8UCC, DOØYY, DOØZZ77, EA1AWW, IØKHP, IK2SNG, JA1AAT, JA2BGX, JG1BVI, JG2REJ, JH3DMQ-QRP, JR3KAH, K9QVB, KB1KNU, L2OH, LW1E, LY2BO, LZ5FF, MMØDXH, N4MM, OK1AJR, OK2SWD, OZ5EV, PS8ET, RA1ZM, RA4NCC, RU3EJ, SM6FJY, SP1DMD, SP5ELM, SP7HOV, SP9IWT, SP9MDY, SQ9IWT, ST3HF, SV1BFW, SV2XV, UA1CUR, UA9ZZZZ, UN7MM, UN7MMM, UR7M, US-Q-2115, USQ2115, VR3XLN, YM125ATA, YO2BPZ, YO4AAC, YO6DN, YO8BDW, YU1EG, Z37M.

Station Operators

9K2HN: 9K2HN, 9K2RR, 9K2YM, 9K2CQ; **BY1QH:** BD1FBV, BG1IXH, BG1NAL; **C4M:** 5B4AGM, UA9CLB;DH9LC; **DKØOD:** DG7RO, DL2MDU; **DKØOG:** DL3MGB, DL8MDD; **DKØWK:** DL3ARK, DL5ASE; **DK2NE:** DK2NE; **DK2R:** DJ1ZU, DH1RN, DJ6RA, DF6EG, DC2RTL; **DK4IO:** DK4IO, DO3AG; **DLØAD:** DK1KBB, DH1TS; **DLØBOV:** DF2CH DL4DZ; **DLØC:** DH2UAI, DL8UKE; **DLØCS:** DK2OY, DL3LAB, DL5XAT, DL8LAQ; **DLØGD:** DD1OP, DF4AJ, DF4AK, DJ2KH, DJ3HW, DJ7LB; **DLØQS:** DL8QS, DJ6BS, DL4ME; **DL8NAS:** DL8NAS, DK5NAD; DO4WA; **DM5EL:** DK3WC DL3VTA DF2CK DM5EL; **DP3A:** DM9CM, DF9IX, DL6IAK, DK2GZ; **DQ4T:** DL2YOU, DC8SG, DL9FBG, DD2SMA, DJ9KM, DF7ZS; **DQ4W:** DK7MCX, DD1LD, DL1MBG, DL6RAI; **DR1A:** DB6JG, DF6JC, DJ7EO, DL3DXX, DL6FBL, DO1; **DR5X:** DL8LAS, DL9EE; **F6KNB:** F6KNB; **GD6IA:** DF1LON, DL1ECG; **HG1S:** HA1TJ, HA1DAI, HA1DAC, HA1DAE; **K3DI:** W3UL, K3DI; **KD4D:** KD4D, N3HBX, NN3W, NI1N, K4ZW; **LN9Z:** LA5KO, LA9HW; **M4U:** GØDVJ, MØZZO, 2EØXIS, MØMJH, G3YYZ; **PY2ERA:** PU2MUJ, PU2MXU, PY2EX, PY2RH, PY2VZ, PY2ZR; **RK3AWK/P:** ?; **RK3MWD:** RA3MF RU3MI RV3MI RW3MR UA3MQH UA3MQM; **RK9CWW:** RA9CMO, UA9CIR; **RN9SXX:** RW9SW, RV9SV, RX9SN, UA4LCQ; **RW3WWW:** RW3WW, RA3WNS, UA3WF, RA3WUV; **RZ4NWA:** RW4NM, RW4NA; **SN2K:** SP2FWC, SP2IST; **SP8KEA:** ?; **UU5A:** UU2JQ, UU5YL, UUØJL; **UU7J:** UUØJM UU1AZ UU4JMG UT5UGR UUØJX UR7EU UR3EZ UU8JK UU5MAF; **UW7W:** UR5WCW, UT7WZ; **VE3MIS:** VE3IMG, VA3OBR, VE3WG, VE3MA; **VE9MY:** ?; **W3ADC:** W3ADC, W3ADX; **ZW5B:** PY5EG, PY5KD, PY5HSD, PY5JO, PY5CC, PU5RAS; **ZX5J:** PP5JR, PY2WC, PP5AMP, PP5TR, PP5FMM.

Soapbox Comments

8SØC: Nice contest but difficult to work with 100 W into a W3DZZ antenna on all bands, since conditions very poor. **DL1DAW:** In mourning I dedicate this contest to Wolfgang, DG9DM, who passed away after we have finished the contest. We lost a good and always helpful friend. In memorial, Achim, DL1DAW. **DP4N:** QTCs are fun! **EI9FVB:** Enjoyed the contest and worked some new DXCC at the same time. Really enjoyed using EI5DI SD contest logger. **F5LIW:** I affirm that I didn't used spotting nets. **HB9TQG:** Only time for a few QSO's on 20 and 15, no Running possible with 100W and 2El SteppIR, but a lot of fun! Hope next year's WAE-Weekend is free of Business!! .**I2WIJ:** Just a couple of hours (literally!), and even in this short time frame, Mr. Murphy found the way to pay me a visit, and to leave a broken pc-radio serial link behind him! What a man! At least I had the chance to say hello to some friends just met down there in Brazil! Bob, I2WIJ **IZØBTV:** I used SD for logging - it's great. **JF4GWA:** I was very glad to meet many EU stations at once for the first time. Sorry for my weak signal. I wish I had a beam antenna. See you again and 73. **JO7KMB:** 15m band opened for Europe on 2nd day afternoon. Enjoyed QTC traffics as usual. **K3DI:** Great contest. **K4YKZ:** After 27 years of contesting with the Drake TR7, K4YKZ has finally upgraded an IC-756,Pro3. So far, up to page 71 in the instruction manual. HI **LX7I:** This was again a real nice Contest, due to some other activities I was not able to be active the full 36hours. Cu next Year 73s de Philippe LX2A (exLX2AJ) LX7I **N1API:** Thanks to the European stations for my BEST effort yet despite less than optimum conditions. I missed the WAE last year because of a massive lightning hit to my station. After rebuilding, it's great to be back! **OM2VL:** My first contest in SSB part. Great condx to USA on 20m. **ON5WL:** Nice contest like every year but some more activity would be fine. Best QSO were JA and PY on 40 m. I used SD to log the contest. It works good. Till next year. 73. Leon ON5WL.



Your online certificate!

One of the brand new changes for the 2006 WAEDC season was the introduction of the online certificates. No more waiting, no more lost mail, no more photocopying for the team members. With the online release of the results, you can immediate print and save your own certificate. The certificates will be created automatically out of our results database and can be downloaded from the webseite as a PDF file. Apart from saving a few thousand Euros each year on printing and postage, we will also have certificates for every participant.

In some discussions the opinion came up, that the WAEDC certificate is nothing worth anymore when “anyone” can have one? Wrong - you still want to have your first rank on it, but if you are happy wit a 10th place in your category, ,why not diplay it on your shack wall. And what a great fun it will be replacing the 10th place of 2006 with an even better rank in 2007! If you have trouble printing your certificate and still want an original paper version, please feel free to contact Ric waedc-info@dxhf.darc.de for terms and conditions.

Of course the continental winner plaques will still be the metal ones you know.

52nd European DX-Contest (WAEDC) RTTY 2006

Results by Helmut Müller, DF7ZS (df7zs@dxhf.darc.de) WAE-DX-Contest-Team: DK9TN DJ1YFK DL1MGB DL2LAR DL2YOU DL6MHW DL6OCK DL8MBS DL8WPX DL8WX DL9ZWG

Continental Winners

Single Operator	
Africa	7XØRY
Asia	ZC4LI
Europe	UW8I
North America	KM4M
Oceania	ZL2AMI
South America	ZX2B
Single Operator/LP	
Africa	CN8KD
Asia	UN7PBY
Europe	UT9FJ
North America	8P2K
Oceania	YB2ECG
South America	PY2NY
Multi Operator	
Africa	-
Asia	UA9UZZ
Europe	UU7J
North America	WØLSD
Oceania	-
South America	LT1D
SWL Category	
Africa	-
Asia	-
Europe	ONL383
North America	-
Oceania	YB-INS-99
South America	-

Results by Country

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").

Top Scores

Call	Score	QSOs 80	40	20	15	10	all	QTCs	Multiplier 80	40	20	15	10	all
Top Ten Single Operator Europe														
UW8I	1,911,847	225	466	460	222	20	1393	1024	200	255	166	140	30	791
LY2IJ	1,817,451	372	480	403	97	3	1355	1078	212	237	176	116	6	747
RD3A	1,761,750	241	477	533	208	18	1477	773	204	225	194	134	26	783
LZ8A	1,655,400	241	334	561	241	10	1387	938	176	186	178	158	14	712
UR5QU	1,404,804	161	426	375	165	18	1145	859	152	231	170	124	24	701
RU6LA	1,131,000	164	490	337	50	27	1068	672	172	252	146	48	32	650
SP4TXI	987,128	271	235	268	127	0	901	613	192	192	148	120	0	652
DL5NAM	920,663	283	91	393	133	0	900	637	204	123	174	98	0	599
RW4PL	835,890	152	237	277	200	6	872	618	140	165	130	120	6	561
YU7AE	815,952	258	197	282	81	0	818	710	172	150	140	72	0	534
Top Ten Single Operator Outside Europe														
ZX2B	2,371,068	20	197	371	520	144	1252	2240	68	189	158	172	92	679
7XØRY	2,071,380	298	345	647	172	0	1462	1540	212	198	166	114	0	690
ZC4LI	1,753,738	224	367	329	529	18	1467	1060	184	192	146	156	16	694
CT3EN	1,460,796	70	303	389	289	1	1052	1779	108	162	124	120	2	516
RG9A	1,439,060	160	303	348	268	3	1082	1578	152	159	126	98	6	541
KM4M	1,405,985	118	311	563	203	0	1195	1168	148	183	156	108	0	595
EX2M	1,233,628	38	263	403	391	48	1143	1189	68	153	144	122	42	529
K4GMH	1,069,320	141	300	368	93	0	902	974	144	192	156	78	0	570
W1BCD	1,041,352	92	194	440	207	6	939	829	132	183	158	110	6	589
VA1CHP	869,245	117	261	345	97	2	822	733	136	195	134	92	2	559
Top Ten Single Operator/LP Europe														
UT9FJ	1,341,192	175	385	413	96	7	1076	851	184	234	168	98	12	696
ZA/DL2RMC	931,032	324	247	557	113	4	1245	299	196	147	150	104	6	603
YU7AM	739,271	219	194	220	106	2	741	646	160	147	112	110	4	533
LZ9R	727,545	140	287	422	106	4	959	406	152	159	132	82	8	533
UA3SAQ	605,880	164	349	224	94	1	832	290	156	186	94	102	2	540
ON6NL	550,310	161	140	172	85	0	558	572	156	141	120	70	0	487
F6FJE	518,090	233	200	151	86	0	670	360	152	171	106	74	0	503
SP9UNX	491,400	236	163	183	40	0	622	428	168	138	116	46	0	468
DL1DTL	478,062	158	119	201	65	1	544	509	140	126	128	58	2	454
RV3QX	453,010	190	268	255	97	1	811	79	152	177	120	58	2	509
Top Ten Single Operator/LP Outside Europe														
CN8KD	1,392,882	59	429	493	471	0	1452	1137	96	198	118	126	0	538
UN7PBY	1,251,648	153	337	244	226	25	985	1188	156	192	96	108	24	576
8P2K	990,030	79	341	351	256	85	1112	718	120	159	126	102	34	541
UAØAGI	864,892	109	176	262	171	12	730	834	136	159	132	110	16	553
PY2NY	779,856	13	90	202	290	35	630	1058	36	132	136	120	38	462
4Z5CP	728,770	2	267	309	242	21	841	954	4	174	112	100	16	406
RX9SR	642,142	54	126	212	198	8	598	1083	92	96	92	88	14	382
NP3D/W2	567,240	103	126	266	148	5	648	656	80	123	124	100	8	435
W3LL	532,140	93	100	319	150	5	667	600	68	114	132	98	8	420
EA8/DJ1OJ	496,980	25	138	172	95	2	432	823	68	150	110	64	4	396
Top Six Multi Operator Europe														
UU7J	2,536,434	270	577	482	329	24	1682	1081	248	282	192	158	38	918
Z37M	2,007,369	367	463	453	237	8	1528	923	264	243	136	160	16	819
DP9A	1,447,712	359	265	320	89	9	1042	925	232	216	172	100	16	736
OK1KSL	672,777	251	122	258	54	0	685	582	200	129	144	58	0	531
IQ1AO	536,425	196	135	262	36	0	629	446	168	153	130	48	0	499
DKØIU	521,850	304	143	193	76	1	717	277	200	153	108	62	2	525
Top Six Multi Operator Outside Europe														
UA9UZZ	728,908	143	406	355	317	2	1223	0	132	204	118	138	4	596
WØLSD	558,465	89	233	338	101	13	774	427	76	159	142	74	14	465
RK9JWR	508,274	42	117	244	214	0	617	852	52	96	106	92	0	346
K3DI	324,225	73	160	275	88	0	596	229	76	135	120	62	0	393
LT1D	252,192	0	25	142	226	37	430	422	0	66	90	110	30	296
W5CTV	40,970	1	46	76	18	2	143	98	4	60	76	28	2	170
Top SWL Category Europe														
ONL383	354,123	0	0	0	0	0	345	312	0	0	0	0	0	539
Top SWL Category Outside Europe														
YB-INS-99	1,700	0	0	0	0	0	35	15	0	0	0	0	0	34

Europe

Albania

ZA/DL2RMC	L	931,032	1245	299	603

Azores

CU2JT	S	613,638	993	321	467

Belarus

EW1NM	L	13,938	101	0	138
EW1NA	"	2,920	40	0	73

Belgium

ON4QX	S	742,896	766	641	528
OT7E	"	69,649	241	0	289
ON3DSG	"	8,360	110	0	76
ON6NL	L	550,310	558	572	487
ON4CT	"	276,120	357	351	390
OO5D	"	175,125	417	50	375
ON6UF	"	99,000	330	0	300
ON6AT	"	80,102	212	119	242
ON6OM	"	37,555	173	30	185
ON4BG	"	14,800	100	0	148
OQ4A	"	2,970	45	0	66
ON8VM/QRP	"	416	16	0	26
ONL383	W	354,123	345	312	539

Bosnia-Herzegovina

T98U	L	28,600	143	0	200

Bulgaria

LZ8A	S	1,655,400	1387	938	712
LZ2ZG	"	3,850	50	0	77
LZ9R	L	727,545	959	406	533

Czech Republic

OK2SFP	S	621,612	836	280	557
OK2SG	"	362,448	408	431	432
OK1AZK	"	80,808	296	0	273
OK2CLW	L	415,401	491	426	453
OK2PAD	"	162,998	361	117	341
OK2SVL	"	118,215	355	0	333
OK1ACF	"	100,426	337	0	298
OK2VP	"	32,870	173	0	190
OK2SAR	"	4,366	59	0	74
OK1KSL	M	672,777	685	582	531
OK2-9329	W	29,605	155	0	191

Denmark

OZ9GA	L	330,488	447	425	379
OZ0F	"	74,168	253	39	254
OZ1DGQ	"	4,104	54	0	76

England

G0HDV	S	134,472	421	10	312
G2FL	"	247,380	520	100	399
G0MTN	"	157,410	318	177	318
G3RSD	"	116,424	285	111	294
M0CKE	"	52,072	143	140	184
G4KXG	"	39,550	165	10	226
G7TMU	"	28,960	160	0	181
2E0ZEO	"	28,644	132	0	217
G6CSY	"	26,578	137	0	194
G6OKU	"	15,678	109	8	134
G3LHJ	"	8,208	114	0	72
G4EMT	"	6,080	64	0	95
M5AAV	"	4,964	73	0	68
G0AZS	"	1,920	30	0	64

Estonia

ES4MM	L	209,682	405	189	353
ES1GF	"	16,264	99	8	152

European Italy

I1COB	S	757,512	762	741	504
IZ5CMG	"	145,665	415	0	351
I2SVA	"	76,734	213	396	126
IC8POF	"	75,888	232	176	186
IV3XZG	"	5,490	51	10	90
IK0EIE	L	241,128	437	175	394
IK1SOW	"	129,774	224	279	258
IV3ARJ	"	98,580	265	53	310
IK2YSJ	"	60,879	223	0	273
I0KHP	"	30,394	102	80	167
I1BAY	"	24,552	132	0	186
IZ5HQB	"	16,236	123	0	132
IK3CST	"	14,464	113	0	128
IZ2GIU	"	13,524	147	0	92
IQ1AO	M	536,425	629	446	499
I1-12387	W	67,637	283	0	239

European Russia

RD3A	S	1,761,750	1477	773	783
RU6LA	"	1,131,000	1068	672	650
RW4PL	"	835,890	872	618	561
UA3PAB	"	494,514	993	0	498
RA3TT	"	302,670	505	350	354
UA3LEO	"	281,785	510	169	415
RD4WA	"	204,972	394	195	348
RA3BB	"	157,200	466	134	262
UA3QGT	"	56,862	234	0	243
RN3BD	"	49,852	165	77	206
RZ3FR	"	36,309	247	0	147
RD3AL	"	15,162	114	0	133
UA4RZ	"	8,694	69	0	126
UA3SAQ	L	605,880	832	290	540
RV3QX	"	453,010	811	79	509
RA6AFB	"	382,800	680	190	440
UA4HJ	"	295,500	610	140	394
RA3VIA	"	139,320	324	0	430
RN6DR	"	121,905	288	99	315
UA4CC	"	119,834	290	129	286
UA3XAC	"	108,400	400	0	271
RW6AH	"	105,726	382	20	263
UA3TN	"	93,960	290	0	324
UA3RW	"	68,456	344	0	199
RZ3DX	"	59,731	193	178	161
RU6YJ	"	49,880	232	0	215
UA3EAY	"	49,042	217	0	226
RA4HL	"	26,720	167	0	160
UA4FX	"	18,338	86	20	173
RU3PU	"	15,500	100	0	155
RA6XB	"	9,990	74	0	135
RA3UAG	"	4,620	55	0	84
RW3QF	"	3,266	46	0	71

Fed. Rep. of Germany

DL5NAM	B31	S	920,663	900	637	599
DL3LBP	E30	"	783,048	633	783	553
DJ3NG	B07	"	763,226	722	729	526
DK1QH	N01	"	555,552	551	735	432
DJ3IW	U13	"	516,707	473	588	487
DL4R	U13	"	441,066	520	487	438
DL5JS	R01	"	426,384	468	519	432
DR5X	M11	"	376,134	377	525	417
DL1ZBO	F42	"	331,699	385	426	409
DL4KW	G06	"	288,120	395	340	392
DL1ARJ	X28	"	287,164	396	301	412
DL2MWB	T07	"	245,763	334	413	329
DL5YM	Y21	"	238,700	417	265	350
DH0GHU	A30	"	121,746	258	136	309
DH3RB	N01	"	90,600	300	0	302
DK7ZT	F15	"	66,360	181	99	237
DF3IS	A36	"	65,772	188	136	203
DP4N	B17	"	65,270	141	164	214
DJ2IA	Y25	"	62,694	202	41	258
DJ4PI	A36	"	54,999	139	152	189
DL6UNF	Y27	"	47,817	207	0	231
DF5BX	I37	"	39,744	182	10	207
DL6RBH	U20	"	25,032	129	39	149
DL2UH	P15	"	24,897	110	19	193
DB9EX	R11	"	24,344	91	88	136
DJ2SL	F20	"	21,534	97	0	222
DL5KUR	V02	"	16,284	118	20	118
DJ2YE	R09	"	15,134	94	0	161
DL5MEV	C16	"	12,272	67	51	104
DL1JB	L02	"	6,900	69	0	100
DJ6QT	F62	"	2,870	41	0	70
DJ6UP	G06	"	2,496	39	0	64
DL3AWB	X45	"	1,450	29	0	50
DJ4KW	E34	"	799	17	0	47
DK9FEC	F42	"	468	13	0	36
DL4DAE	O33	"	432	18	0	24
DL1DTL	S01	L	478,062	544	509	454
DJ6BQ	I18	"	441,222	640	266	487
DM2RG	S27	"	395,654	458	500	413
DL4AWA	X06	"	337,263	516	351	389
DG7RO	C06	"	308,795	471	284	409
DL3AMA	X06	"	307,086	462	344	381
DL2IAN	K23	"	270,000	407	313	375
DD5A	V10	"	266,760	379	305	390
DM3HZN	S53	"	239,083	372	317	347
DL6UHD	Y30	"	232,560	400	246	360
DL9EE	M11	"	214,174	332	287	346
DK9IP	A24	"	187,590	304	251	338
DL8NBE	B10	"	183,264	338	214	332
DM6DL	D06	"	160,500	393	107	321
DJ6TK	M03	"	156,574	239	408	242
DJ2XC	V22	"	149,292	332	97	348
DJ1TU	P41	"	133,450	247	178	314
DF6ZY	F05	"	130,416	381	37	312
DL4ME	X30	"	124,752	327	125	276
DK8EY	R09	"	124,292	311	75	322
DJ9MH	B10	"	117,360	198	291	240
DJ6JH	A53	"	102,896	226	210	236
DL1DXF	S28	"	99,820	322	0	310
DJ2AX	X20	"	89,644	307	0	292
DF7JC		"	86,940	213	109	270
DD1LI	M11	"	81,450	247	115	225
DL3DRN	S27	"	80,431	269	0	299
DJ6GR	H03	"	80,184	257	0	312
DF1GW	A20	"	74,970	206	100	245
DJ0ZY	C01	"	74,970	170	0	441
DJ0ZY	C01	"	74,970	170	0	441
DB7MA	M11	"	71,744	190	114	236
DM2BPG	W33	"	69,012	243	0	284
DL4JU	R09	"	68,782	179	110	238
DL5JBW	Y14	"	67,045	233	20	265
DL9AS	K28	"	64,524	228	0	283
DL3SCN	P14	"	61,180	230	0	266
DD1LD	C12	"	59,318	168	98	223
DL3BBY	E16	"	57,936	202	70	213
DL2AL	X05	"	50,328	200	33	216
DL6EZ	R01	"	42,824	178	24	212
DL6UAM	Y24	"	41,616	204	0	204
DL4JYT	S54	"	38,250	151	19	225
DG3RCE	U13	"	35,776	172	0	208
DL5JWL	S65	"	34,277	151	0	227
DF4WC	F39	"	31,360	128	68	160
DK1AUP	X05	"	27,263	107	92	137
DL1TPY	Y09	"	25,988	146	0	178
DK1LRS	Z28	"	20,280	120	0	169
DL9NEI	B25	"	20,010	115	0	174
DC2VE	Q05	"	18,720	104	0	180
DL6RAI	U08	"	17,825	115	0	155
DF6WE	L14	"	13,493	103	0	131
DL5AKF	X15	"	12,760	88	0	145
DL3AWI	X06	"	11,122	83	0	134
DF5SI	S28	"	10,070	51	44	106
DL8ZAJ	F09	"	8,448	86	42	66
DL1THB	V11	"	8,200	72	10	100
DK9ETM	L05	"	7,800	100	0	78
DL8DUL	S02	"	7,546	77	0	98
DK5WJ	K03	"	5,880	49	0	120
DL5SWB	V14	"	5,396	76	0	71
DL4EAX	R22	"	3,476	44	0	79
DL6ABB	H03	"	3,280	40	0	82
DG0DG	S27	"	3,139	43	0	73
DG5GTI	P17	"	2,400	40	0	60
DL8AWK	X31	"	740	20	0	37
DL7DZ	I11	"	672	28	0	24
DP9A	Y37	M	1,447,712	1042	925	736
DK0IU	E34	"	521,850	717	277	525
DF5A	V11	"	349,788	432	417	412
DN1JC		"	267,732	588	78	402
DK0WK	X36	"	150,421	349	70	359
DE0MBS		W	255,118	469	172	398
DE1NCH	F19	"	248,832	438	210	384
DL-P01-17291		"	227,500	339	536	260
DE0WAF		"	46,056	202	0	228
DE3BAR	I37	"	19,250	76	49	154
DE4DAE	O33	"	396	22	0	18

Finland

OH7UE	S	554,528	820	298	496
OH2LU	"	373,296	580	228	462
OH8JT	"	55,680	182	10	290
OH7JJT	"	19,152	114	0	168
OH7A	L	166,242	426	192	269
OH2HUH	"	21,754	149	0	146
OH8VJ	"	13,254	94	0	141
OH2JLN	"	8,023	71	0	113
OH8GZQ	"	2,000	40	0	50
OH2TI	"3	1	0	3	
OH2K	M	126,825	347	98	285

France

F8BNN	S	287,776	517	219	391
F6FJE	L	518,090	670	360	503
F6HRP	"	155,572	390	47	356
F5VBT	"	148,694	359	135	301
F5RD	"	118,372	354	50	293
F5LCU	"	99,840	298	86	260
F6FTB	"	76,560	199	120	240
F5ODA	"	22,440	210	10	102
F5PHW	"	8,976	88	0	102

Greece

SV1CIB	S	56,518	295	72	154
SV1BJW	L	157,584	469	0	336

Guernsey

GU0SUP	L	303,030	429	348	390

Hungary

HA3LI	S	602,970	658	536	505
HA501DAE	"	132,675	279	156	305
HA1ZH	L	308,880	702	0	440
HA3OU	"	30,798	117	60	174
HA8BE	"	4,368	52	0	84
HA5UY	"	2,340	39	0	60

Ireland

EI4DW	S	120,700	301	124	284
EI9ES	L	48	4	0	12

Kaliningradsk

RN2FA	L	2,604	31	0	84

Latvia

YL7A	S	723,450	646	732	525
YL2CI	"	592,240	773	573	440
YL2NN	"	412,685	448	459	455
YL9T	"	124,712	266	210	262
YL3FP	L	218,660	522	58	377
YL2PJ	"	25,806	138	0	187
YL2KF	"	3,127	43	10	59

Lithuania

LY2IJ	S	1,817,451	1355	1078	747
LY1R	"	712,264	766	522	553
LY3UV	L	3,968	62	0	64

Macedonia

Z32PT	L	143,550	368	67	330
Z37M	M	2,007,369	1528	923	819

Moldova

ER3ZZ	S	69,524	382	0	182
ER5DX	L	355,154	743	0	478

Netherlands

PA9DD	S	104,412	308	0	339
PA3GCV	"	78,592	307	0	256
PA0LSK	"	45,136	208	0	217
PA3DBS	L	319,335	421	494	349
PA3BFH	"	75,880	251	20	280
PH3BDJ	"	64,070	168	262	149
PA3CDN	"	38,368	176	0	218
PA0LOU	"	14,014	98	0	143
PA0MIR	"	10,496	72	10	128
PA0FAW	"	7,252	74	0	98
PA3EWG	"	2,576	46	0	56

Norway

LA9TY	S	23,936	136	0	176
LA7QI	"	3,072	32	0	96
LA6BNA	"	570	15	0	38
LA6FJA	L	96,664	344	0	281

Poland

SP4TXI	"	987,128	901	613	652
SN5N	"	439,416	562	515	408
SP3GTS	"	116,316	274	50	359
SP3NYR	"	30,525	165	0	185
SP9W	"	14,080	84	44	110
SP9UNX	L	491,400	622	428	468
SP3GXH	"	432,468	611	268	492
SP9DSD	"	209,716	481	0	436
SP3EPX	"	206,230	503	0	410
SP8EEX	"	172,088	439	0	392
SP9FT	"	159,278	350	84	367
SP2EXE	"	115,456	247	105	328
SP7FBQ	"	107,060	219	185	265
SP9BGS	"	56,759	211	0	269
SP8FHJ	"	42,800	173	27	214
SP9CTS	"	32,130	153	0	210
SN1EG	"	27,216	144	0	189
SP2HXY	"	22,932	147	0	156
SP6BEN	"	21,594	118	0	183
SP3DOF	"	14,190	110	0	129
SP4IRS	"	13,536	96	0	141
SP3XR	"	8,710	67	0	130
SP3ASN	S	2,632	47	0	56
SP9IHP	"	1,218	29	0	42
SN4L	"	60	6	0	10
SP9KRT	M	130,176	384	0	339

Portugal

CT4DX	L	3,280	41	0	80

Romania

YO6BHN	S	577,792	734	450	488
YO4FPF	"	48,777	213	0	229
YO2MAX	L	113,680	271	193	245
YO4CVV	"	18,354	114	0	161
YO7ARY	"	13,104	97	29	104

Sardinia

IS0LFZ	L	38,110	185	0	206
IW0UWE	"	6,561	81	0	81

Scotland

GM0OPS	L	52,998	219	0	242

Sicily

IT9LGW	S	11,520	160	0	72
IT9SGN	L	60,885	297	0	205

Slovakia

OM6RK	L	323,554	494	353	382
OM4TC	"	37,064	226	0	164
OM3TLE	"	34,580	190	0	182

Slovenia

S51MA	S	74,358	219	87	243
S58P	L	140,672	277	171	314
S57AM	"	49,750	199	0	250
S50DX	"	14,751	99	0	149
S55T	M	38,021	193	0	197
S50G	"	33,128	164	0	202

Spain

EA4BT	S	319,072	584	360	338
EA5DYB	"	173,472	546	10	312
EA1HF	"	17,810	137	0	130
EA1BXN	L	227,964	628	0	363
EB2CYQ	"	68,272	251	0	272
EA7CWA	"	53,105	197	50	215
EA4DQX	"	21,168	144	0	147
EB1GCA	"	20,492	188	0	109
EA4CRP	"	14,852	94	0	158
EA7GV	"	6,804	84	0	81
EA4AFP	"	390	15	0	26
EA3FHP	"	320	40	0	8

Sweden

SM7BHM	S	16,954	98	0	173
SM7BUN	"	5,415	57	0	95
SM6BSK	L	177,145	389	110	355
SM0EPO	"	62,748	220	29	252
SM5OSZ	"	2,958	51	0	58

Switzerland

HB9GT	M	218,280	535	0	408

Ukraine

UW8I	S	1,911,847	1393	1024	791
UR5QU	"	1,404,804	1145	859	701
UR5WCQ	"	588,830	770	396	505
UW6N	"	34,080	183	57	142
UR5LY	"	11,305	95	0	119
UY5ZZ	"	8,640	90	0	96
UT9FJ	L	1,341,192	1076	851	696
UT5EPP	"	337,211	719	0	469
UT8EL	"	188,777	448	159	311
UR7EQ	"	162,540	420	10	378
UZ5U	"	159,929	469	0	341
US0YW	"	136,503	523	0	261
UR5FS	"	87,024	294	0	296
UT2AB	"	86,868	254	0	342
UY5TE	"	78,890	244	78	245
UX8ZA	"	61,214	254	0	241
UR5FFC	"	61,028	177	115	209
UU9JQ	"	57,348	168	186	162
UW2N	"	38,843	197	20	179
UX0FY	"	22,140	205	0	108
UR8IDX	"	5,100	51	0	100
UU7J	M	2,536,434	1682	1081	918
UX4E	"	472,120	785	288	440
UR4EYN	"	33,936	232	71	112

Wales

GW4SKA	S	636,928	777	467	512
MW0CRI	L	366,049	591	350	389

Yugoslavia

YU7AE	S	815,952	818	710	534
YU7AM	L	739,271	741	646	533
YT7TY	"	87,912	296	0	297
YU1RP	"	79,860	320	10	242
4N7TA	"	55,250	171	50	250
YU1BFG	"	38,948	182	0	214

Outside Europe

Alaska

AL2F	L	19,170	163	50	90

Algeria

7X0RY	S	2,071,380	1462	1540	690

Argentina

LT0H	S	842,232	821	1026	456
LT1D	M	252,192	430	422	296

Australia Call Area 2

VK2KM	S	40,996	121	156	148
VK2BAA	"	6,004	79	0	76

Azerbaijan

4K6DI	L	20,988	104	55	132

Barbados

8P2K	L	990,030	1112	718	541

Brazil Call Area 1

PY1CMT	L	475	19	0	25

Brazil Call Area 2

ZX2B	S	2,371,068	1252	2240	679
PY2NY	L	779,856	630	1058	462
PY2RH	"	33,345	123	162	117
PY2BRZ	"	3,588	52	0	69
PY2IQ	"	1,504	23	24	32

Brazil Call Area 7

PT7AZ	L	53,568	288	0	186

Brazil Call Area 8

PV8DX	L	2,162	47	0	46

Canada Call Area 1

VA1CHP	S	869,245	822	733	559
VO1TA	L	129,176	306	230	241
VO1MX	"	646	19	0	34
VO1BQ	"2	1	0	2	

Canada Call Area 2

VE2FBD	S	527,716	700	616	401
VE2FK	"	156,210	278	337	254
VY2LI	"	46,320	143	50	240
VE2AXO	L	285,564	427	471	318
VE2LX	"	18,358	137	0	134

Canada Call Area 3

VA3DX	S	769,975	778	843	475
VA3PC	"	51,660	133	236	140
VE3XD	L	290,175	447	348	365
VE3GSI	"	267,300	407	484	300
VE3ESH	"	92,193	227	162	237
VA3PL	"	63,063	182	259	143
VE3FH	"	47,532	187	46	204
VE3DZ	"	41,040	140	88	180
VE3WDM	"	37,740	174	48	170
VE3IAE	"	17,343	141	0	123
VE3XAT	"	15,410	114	20	115
VE3FJ	"	10,323	111	0	93
VE3RCN	"	4,897	59	0	83

Canada Call Area 4

VE4EAR	L	8,820	81	9	98

Canada Call Area 6

VE6YR	S	120,197	345	194	223
VE6DJT	L	5,372	79	0	68

Canada Call Area 7

VE7CF	S	28,840	188	18	140
VA7CAB	"	14,356	128	20	97
VA7ST	L	90,504	359	60	216
VE7ALN	"	22,650	151	0	150

Canada Call Area 9

VE9NC	L	4,410	25	65	49

Canary Is.

EA8/DJ1OJ	L	496,980	432	823	396
EA8/DL2AXA	"	219,300	388	257	340

China

BG7JTG	L	3,036	46	0	66

Costa Rica

TI2KAC	L	130,290	420	10	303

East Malaysia

9M6XRO	S	24,486	100	59	154

Georgia

4L1FP	L	97,812	418	0	234
4L4CH	"	8,600	100	0	86

Hawaii

KH6GMP	S	57,865	355	0	163

Hong Kong

VR2BG	S	268,128	501	183	392

India

VU2PTT	L	18	3	0	6

Indonesia

YC3MM	S	172,410	294	527	210
YB5AQB	"	42,900	148	127	156
YB2ECG	L	90,376	210	362	158
YC0MJY	"	3,584	56	0	64
YB-INS-99	W	1,700	35	15	34

Israel

4Z5CP	L	728,770	841	954	406
4X6UU	"	171,171	292	335	273
4X6UO	"	10,944	101	70	64

Japan Call Area 1

JM1XCW	S	277,100	337	513	326
JO1WKO	"	83,824	176	162	248
JR1BAS	"	83,460	163	227	214
JR1NHD	"	29,036	100	138	122
JA1ALE	"	882	21	0	42
JA1XRH	L	113,970	218	217	262
JA1BHK	"	41,022	125	133	159
JA1OVD	"	35,500	116	168	125
JA1BWA	"	34,216	109	79	182
JA1XUY	"	28,055	105	76	155
JA1XPU	"	16,851	88	35	137
JA1CPZ	"	6,956	64	10	94
JA1IZZ	"	2,870	41	0	70
JA1RQT	"	2,418	39	0	62
JJ1WWL/1	"	1,372	28	0	49
JR1NKN	"	896	28	0	32

Japan Call Area 2

JA2BQX	S	94,954	184	298	197
JH2BTM	"	720	24	0	30
7N2UQC	L	74,860	191	203	190
JA2KCY	"	38,070	94	188	135

Japan Call Area 3

JH3CUL	L	109,809	215	226	249
JK3GWT	"	16,872	82	70	111

Japan Call Area 4

7L4IOU	S	151,188	249	337	258
JH1GUO/4	L	6,300	65	5	90

Japan Call Area 5

JG5DHX/5	L	16,524	68	85	108
JA5FNX	"	4,180	55	0	76

Japan Call Area 6

JA6OLZ	S	109,173	214	239	241
JH6QFJ	L	56,871	183	84	213
JQ1AHZ/6	"	868	21	10	28

Japan Call Area 7

JA7IC	S	245,490	370	465	294

Japan Call Area 9

JH9BWC	L	112	8	0	14

Kazakhstan

UN6G	S	44,238	109	194	146
UN7PBY	L	1,251,648	985	1188	576
UN8P	"	129,360	272	344	210

Kyrgyzstan

EX2M	S	1,233,628	1143	1189	529

Madeira Is.

CT3EN	S	1,460,796	1052	1779	516
CT3HF	L	46,197	261	0	177

Mexico

4A7L	L	169,061	535	42	293

Micronesia

V6BL	442	17	0	26	

Morocco

CN8KD	L	1,392,882	1452	1137	538

New Zealand Call Area 2

ZL2AMI	S	357,744	466	562	348

New Zealand Call Area 4

ZL4BR	S	179,676	311	402	252

Oman

A45WD	L	352,872	419	517	377

Philippines

DV1JM	L	24,928	132	32	152

Puerto Rico

NP4BM	L	251,472	488	318	312

RA0

RA0ALM	S	180,486	298	368	271
UA0WL	"	89,240	229	256	184
UA0QBR	"	43,292	147	169	137
UA0ZAM	"	11,550	105	0	110
UA0AGI	L	864,892	730	834	553
RA0ANO	"	50,568	129	165	172

RA9

RG9A	S	1,439,060	1082	1578	541
UA9OG	"	646,708	774	737	428
UA9CDC	"	240,768	319	473	304
RX9TX	"	232,426	378	548	251
RV9AZ	"	672	21	0	32
RX9SR	L	642,142	598	1083	382
RW9UU	"	453,108	494	744	366
RA9CB	"	347,800	433	742	296
UA9APA	"	125,786	183	394	218
UA9YAD	"	89,958	319	0	282
RA9UN	"	76,896	159	375	144
RZ9IB	"	17,922	78	231	58
RV9UB	"	6,758	62	0	109
RA9AC	"	4,998	41	10	98
RA9KM	"	1,008	28	0	36
UA9TQ	"	800	24	1	32
UA9UZZ	M	728,908	1223	0	596
RK9JWR	"	508,274	617	852	346

Saudi Arabia

HZ1IK	L	114,390	350	208	205

Singapore

9V1UV	S	11,440	81	49	88

Thailand

E21YDP	L	192,725	593	0	325

UK Bases on Cyprus

ZC4LI	S	1,753,738	1467	1060	694

United States Call Area 1

W1BCD	S	1,041,352	939	829	589
NB1B	"	690,578	673	825	461
K1KO	"	66,464	268	0	248
WA1ZYX	"	58,296	159	188	168
N1MGO	"	40,698	153	204	114
KO1H	"	23,049	97	100	117
N1NQX	L	61,560	168	192	171
KA1C	"	59,202	187	112	198
NJ1H	"	12,771	80	19	129
KB1CJ	"	8,892	74	40	78
KT1I	"	6,095	59	56	53

United States Call Area 2

NO2T	S	572,663	667	754	403
WA2ETU	"	394,128	583	425	391
W2YE	"	346,724	485	369	406
N2BJ	"	166,278	518	0	321
NA2M	"	70,081	228	49	253
KA2D	"	43,520	119	153	160
NP3D/W2	L	567,240	648	656	435
N2FF	"	83,106	217	125	243
N2UM	"	10,266	87	0	118

United States Call Area 3

W3FV	S	373,644	604	269	428
AA3B	"	181,256	373	279	278
W3WKR	"	106,252	221	183	263
WA3AAN	"	63,270	193	140	190
W4ZE/3	"	38,052	123	179	126
KA3EAJ	"	15,851	131	0	121
K3KO	"	8,460	94	0	90
W3LL	L	532,140	667	600	420
K3SV	"	109,410	196	325	210
W3DQN	"	61,226	223	30	242
N3XL	"	54,873	188	85	201
WA3KYY	"	44,712	173	34	216
K3WI	"	32,922	177	0	186
K3DI	M	324,225	596	229	393

United States Call Area 4

KM4M	S	1,405,985	1195	1168	595
K4GMH	"	1,069,320	902	974	570
AD4EB	"	792,500	743	842	500
K9MUG/4	"	792,030	822	731	510
W4GKM	"	403,696	609	488	368
W6IHG/4	"	375,200	380	692	350
W4CU	"	222,080	464	230	320
K4WW	"	136,915	244	451	197
K4YKZ	"	136,806	220	233	302
W4RK	"	74,296	296	0	251
K4CZ	"	70,485	204	177	185
K4GM	"	52,332	173	94	196
NJ4F	"	5,644	68	0	83
WD4GBW	L	391,315	428	855	305
WB2RHM/4	"	241,704	372	374	324
W4LC	"	189,249	353	244	317
K3IXD/4	"	80,264	316	0	254
N4WO	"	12,272	118	0	104
AD4YQ	"	7,488	72	0	104
W4BCG	"	5,185	61	0	85
WA4OSD	"	2,730	32	10	65
AI4QB	"	120	10	0	12

United States Call Area 5

K5ZD	S	34,920	106	88	180
AA5AU	"	1,222	19	28	26
KE5OG	L	22,192	122	30	146
AD5VJ	"	21,600	160	20	120
N5PU	"	20,010	144	30	115
KK5JY	"	9,700	100	0	97
W5CTV	M	40,970	143	98	170

United States Call Area 6

AD6WL	S	334,323	618	303	363
K6HGF	"	232,551	523	368	261
W6OQI	"	113,220	346	164	222
NC6P	L	16,965	145	0	117
K6XT	"	15,867	104	19	129
KN6OZ	"	12,426	109	0	114
WA6BOB	"	2,684	44	0	61
N6KW	"	1,824	38	0	48

United States Call Area 7

W7SYJ	S	86,526	299	115	209
W7WHY	"	23,040	130	30	144
KJ7NO	L	27,930	162	28	147
W7MRC	"	7,520	94	0	80
W7BCC	"	700	25	0	28

United States Call Area 8

AA8LL	S	264,084	396	350	354
WB8UJB	"	972	27	0	36
N8NOE	"	512	16	0	32
KD5LNO/8	L	41,173	181	28	197

United States Call Area 9

W9VQ	L	4,346	53	0	82
N9LF	"	3,216	39	9	67
K9OSH	"	864	24	0	36

United States Call Area Ø

KI6DY/0	S	196,540	504	130	310
K0FJ	"	55,872	248	40	194
K0JJR	"	40,077	210	9	183
W0RAA	"	23,944	157	7	146
K0COP	"	7,656	59	57	66
W0TY	"	2,744	49	0	56
AB0OX	"	1,440	25	20	32
K0HW	L	109,512	340	128	234
K0TG	"	37,264	233	39	137
K0ALT	"	21,120	110	18	165
K0RC	"	18,207	119	0	153
KS0M	"	17,536	118	10	137
N0IBT	"	12,744	118	0	108
K0YQ	"	10,266	77	10	118
K0FG	"	10,000	71	29	100
K0LDS	"	4,346	53	0	82
W0LSD	M	558,465	774	427	465

Uruguay

CX7BF	S	287,035	665	308	295
CX2AQ	L	10,440	82	34	90

Uzbekistan

UK7F	L	2,552	58	0	44

Venezuela

YV5AAX	L	375,088	422	957	272
YV1RDX	"	127,568	476	0	268
YV1FM	"	26,219	157	0	167

Disqualification

-none-

Checklogs

Many thanks to the following stations submitting checklogs:

DF1IAQ, DJ4IC, DL7UGO, EB1DMQ, ER3MM, G3URA, GI8HXY, HA1SN, HA1YI, IK2SND, OH8GZN, OO9O, PAØWRS, PA3EBP, RA1QN, RA3FD, RA9AFZ, RU6YY, RW4UW, RW4WZ, RX3AGD, SN1SN, SP3DSC, SP5ECC, SP6CZ, SP6NVK, SP9UOP, UA4NJ, UT1IA, UX1IL, VE2FFE, YO2CMI, YO6DN.

Station Operators

DF5A: DL5CG, DL9GWD, DL9GMN; **DKØIU:** dg5hfs dj4kw dk1ip dk9he dl2sww; **DKØWK:** DL3ARK DL5ASE; **DN1JC:** DL7VBJ DO3JC; **DP9A:** DG1HWM DJ6TF DJ7TO DK4WA DL6JZ DL8ULF DL9NDV; **IQ1AO:** IK1PMR IZ1KGK IZ1KIM K2LEO; **K3DI:** W3UL K3DI; **LT1D:** LU4DJC LU3DYU; **OH2K:** OH2GFY OH2LNH OH2LRE; **OK1KSL:** OK1AHG OK1AHJ OK1FAK OK1IVE OK1MCV; **RK9JWR:** RA9JR RV9JR; **S50G:** S56M S57AW S58M S58P S58V; **S55T:** S56M S57AW S58M S58P S58V; **SP9KRT:** SP9ADU SP9EVU; **UA9UZZ:** RZ9UN RK9UE UA9UX RK9UM UA9UOO; **UU7J:** ER3AU UR5FEO UR5FEL US5FEO US8IX UTØFF UTØFT UUØJM UU1AZ UU8JK; **UX4E:** UT5EOX UR7EC; **WØLSD:** WØLSD NØKE KØFX; **Z37M:** Z31GX Z31MM Z35T Z36W.

All Time World Records

The records below are up to date and show the highest score ever achieved in a particular category over the whole period of the WAE DX-Contest back to 1974. Numbers in [brackets] denote the year when the record was established. The figure block separated by slashes list QSOs/QTCs/Multiplier. The final score is shown to the right.

These records are up to date with respect to results. If you find any errors, please notify me at df7zs@dxhf.darc.de. Thanks to DL1MGB for digitizing the old results.

World Records CW - Region EU

Single Operator
YL8M(LY2TA)[2002] 1101/1902/655 1,966,965
QSOs:55/210/358/442/36 **Mults:** 112/183/144/164/52

Single Operator/LP
CT1ILT[2004 904/1584/476 1,184,288
QSOs:36/163/317/332/56 **Mults:** 76/126/104/118/52

Multi Operator
UK2BAS[1982] 1394/2232/796 2,886,296
QSOs:24/238/430/658/44 **Mults:** 96/222/204/200/74

SWL Category
LYR-794[2004] 1215/980/862 1,892,090
QSOs:157/293/413/327/51 **Mults:** 212/222/198/186/54

High Band
YT3AA[1988] 826/1387/210 464,730
QSOs: 0/0/431/355/40 **Mults:** 0/0/64/92/54

Multi Multi
LY2ZO[1991] 1223/2111/406 1,353,604
QSOs: 68/206/504/368/77 **Mults:** 84/102/86/70/64

Top QSOs	UK6LEZ[1982]	1823
Top QTCs	UK2BAS[1981]	2538
Top Mult	UK2PCR[1983]	881

World Records CW - Region DX

Single Operator
D4B(4L5A)[2004] 2704/2530/573 2,999,082
QSOs:188/478/745/916/377 **Mults:** 144/135/100/98/96

Single Operator/LP
H2G(5B4AGC)[2003] 1926/1954/539 2,091,320
QSOs:251/363/581/602/129 **Mults:** 156/129/96/90/68

Multi Operator
A61AJ[2005] 2746/2819/586 3,261,090
QSOs:334/553/907/736/216 **Mults:** 164/150/104/96/72

SWL Category
RZ3BY/Ø[2003] 1280/710/544 1,082,560
QSOs: 12/190/838/240/0 **Mults:** 36/168/210/130/0

High Band
CX8BBH[1989] 1391/1313/222 600,288
QSOs: 0/0/455/390/546 **Mults:** 0/0/68/78/76

Multi Multi
JE2YRD[1989] 1795/1713/298 1,045,384
QSOs: 7/193/483/786/326 **Mults:** 16/84/62/80/56

Top QSOs	JY8TE[2001]	3049
Top QTCs	A61AJ[2005]	2819
Top Mult	A61AJ[2005]	586

World Records SSB - Region EU

Single Operator
YU3MY[1982] 1808/1533/821 2,742,961
QSOs: 38/193/535/468/576 **Mults:** 80/195/190/156/200

Single Operator/LP
YZ7AA(YZ7DM)[2002] 1254/1693/533 1,570,751
QSOs: 10/53/295/488/408 **Mults:** 36/75/134/154/134

Multi Operator
Y24UK[1982] 3079/2489/915 5,094,720
QSOs: 17/99/878/1384/701 **Mults:** 60/153/248/244/210

SWL Category
R3A-847[2004] 2759/310/771 2,366,199
QSOs: 232/540/1037/945/5 **Mults:** 216/249/150/148/8

High Band
YT3AA[1988] 1338/1649/252 752,724
QSOs: 0/0/531/612/195 **Mults:** 0/0/90/86/76

Multi Multi
LZ9A[1990] 2010/2211/598 2,524,158
QSOs: 28/74/723/1014/171 **Mults:** 104/120/134/128/112

Top QSOs	Y24UK[1981]	3109
Top QTCs	UP1BZZ[1989]	2654
Top Mult	DFØHQ[2004]	1044

World Records SSB - Region DX

Single Operator
D4B(4L5A)[2004] 3749/2578/654 4,137,858
QSOs:252/542/1056/1130/769 **Mults:**180/156/106/108/104

Single Operator/LP
ST2T(S57CQ)[2004] 2407/2332/352 1,668,128
QSOs: 7/42/406/1232/720 **Mults:** 28/60/72/100/92

Multi Operator
CN8WW[1999] 3936/3923/622 4,888,298
QSOs:415/637/1102/1081/701 **Mults:** 184/144/104/102/88

SWL Category
UA9-165-55[1998] 867/199/532 567,112
QSOs: 114/159/348/210/36 **Mults:** 120/138/122/108/4

High Band
K4XS[1989] 2026/2025/262 1,061,362
QSOs: 0/0/498/781/747 **Mults:** 0/0/90/86/86

Multi Multi
JE2YRD[1990] 2139/1378/371 1,304,807
QSOs: 16/169/629/652/673 **Mults:** 48/87/80/78/78

Top QSOs	CN8WW[1999]	3936
Top QTCs	CN8WW[1999]	3923
Top Mult	D4B[2004]	654

World Records RTTY - Region EU

Single Operator
RD3A[2005] 1551/696/855 1,921,185
QSOs: 225/492/459/307/68 **Mults:** 188/231/196/162/78

Single Operator/LP
UT9FJ [2007] 1076/851/696 1,341,192
QSOs: 175/385/418/96/7 **Mults:** 184/234/168/98/12

Multi Operator
UU7J[2005] 1732/1353/912 2,813,520
QSOs: 238/580/390/409/115 **Mults:** 212/276/164/174/86

SWL Category
LYR-794[2003] 830/268/648 711,504
QSOs: 171/222/166/207/64 **Mults:** 160/186/108/128/66

High Band
YU2W[1989] 516/506/178 181,916
QSOs: 0/0/285/129/102 **Mults:** 0/0/68/62/48

Top QSOs	UU7J[2005]	1732
Top QTCs	UU7J[2005]	1353
Top Mult	UU7J[2005]	912

World Records RTTY - Region DX

Single Operator
ZX2B [2007] 1252/2240/679 2,371,068
QSOs: 20/197/371/520/144 **Mults:** 68/189/158/172/92

Single Operator/LP
7XØRY[2005] 1616/1172/637 1,775,956
QSOs: 272/461/435/289/159 **Mults:** 180/195/118/92/52

Multi Operator
RY9C[1999] 943/1886/641 1,813,389
QSOs: 125/185/288/183/162 **Mults:** 156/147/138/106/94

SWL Category
VE3UWC/W6[2002] 293/296/216 127,224
QSOs: 3/34/83/125/48 **Mults:** 8/42/44/78/44

High Band
4M5RY[1989] 198/250/170 76,160
QSOs: 0/0/73/75/50 **Mults:** 0/0/62/62/46

Top QSOs	7XØRY[2005]	1616
Top QTCs	ZX2B[2005]	2352
Top Mult	RW9C[2002]	677

Continental Records Africa CW

Single Operator
D4B(4L5A)[2004] 2704/2530/573 => 2,999,082
Single Operator/LP
CN2PM(G3WQU)[2002] 842/808/378 => 623,700
Multi Operator
IG9/IR2Y[1997] 2372/2363/518 => 2,452,730
High Band
5H1HK[1988] 1561/1469/194 => 587,820

Continental Records Africa SSB

Single Operator
D4B(4L5A)[2004] 3749/2578/654 => 4,137,858
Single Operator/LP
ST2T(S57CQ)[2004] 2407/2332/352 => 1,668,128
Multi Operator
CN8WW[1999] 3936/3923/622 => 4,888,298
SWL Category
EA8-1883-URE[2002] 368/0/505 => 185,840
High Band
5H1HK[1988] 1116/875/220 => 438,020

Continental Records Africa RTTY

Single Operator
7X0RY [2007] 1462/1192/466 => 2,071,380
Single Operator/LP
7XØRY[2005] 1616/1172/637 => 1,775,956
Multi Operator
3XY7C[2002] 1236/310/475 => 734,350
SWL Category
ELUDWIG[1990] 27/0/87 => 2,349
High Band
EA8RA[1989] 72/0/50 => 3,600

Continental Records Asia CW

Single Operator
JY8WA[1997] 2399/2399/506 => 2,427,788
Single Operator/LP
H2G(5B4AGC)[2003] 1926/1954/539 => 2,091,320
Multi Operator
A61AJ[2005] 2746/2819/586 => 3,261,090
SWL Category
RZ3BY/Ø[2003] 1280/710/544 => 1,082,560
High Band
UJ8JCM[1989] 1076/1076/188 => 404,576
Multi Multi
JE2YRD[1989] 1795/1713/298 => 1,045,384

Continental Records Asia SSB

Single Operator
C4A(9A3A)[1999] 2804/2800/609 => 3,412,836
Single Operator/LP
UP6P[2002] 1564/1430/447 => 1,338,318
Multi Operator
5B4/R3CC[2002] 2835/2664/624 => 3,431,376
SWL Category
UA9-165-55[1998] 867/199/532 => 567,112
High Band
H25MF[1987] 1483/1383/214 => 613,324
Multi Multi
JE2YRD[1990] 2139/1378/371 => 1,304,807

Continental Records Asia RTTY

Single Operator
ZC4LI [2007] 1467/1060/694 => 1,753,738
Single Operator/LP
UN7PBY [2007] 985/1188/576 => 1,251,648
Multi Operator
RY9C[1999] 943/1886/641 => 1,813,389
SWL Category
UI8-Ø53-693[1988] 174/0/144 => 25,056
High Band
4X6SO[1988] 208/269/132 => 62,964

Continental Records Europe CW

Single Operator
YL8M(LY2TA)[2002] 1101/1902/655 => 1,966,965
Single Operator/LP
CT1ILT[2004] 904/1584/476 => 1,184,288
Multi Operator
UK2BAS[1982] 1394/2232/796 => 2,886,296
SWL Category
LYR-794[2004] 1215/980/862 => 1,892,090
High Band
YT3AA[1988] 826/1387/210 => 464,730
Multi Multi
LY2ZO[1991] 1223/2111/406 => 1,353,604

Continental Records Europe SSB

Single Operator
YU3MY[1982] 1808/1533/821 => 2,742,961
Single Operator/LP
YZ7AA(YZ7DM)[2002] 1254/1693/533 => 1,570,751
Multi Operator
Y24UK[1982] 3079/2489/915 => 5,094,720
SWL Category
R3A-847[2004] 2759/310/771 => 2,366,199
High Band
YT3AA[1988] 1338/1649/252 => 752,724
Multi Multi
LZ9A[1990] 2010/2211/598 => 2,524,158

Continental Records Europe RTTY

Single Operator
RD3A[2005] 1551/696/855 => 1,921,185
Single Operator/LP
UT9FJ [2007] 1076/851/696 => 1,341,192
Multi Operator
UU7J[2005] 1732/1353/912 => 2,813,520
SWL Category
LYR-794[2003] 830/268/648 => 711,504
High Band
YU2W[1989] 516/506/178 => 181,916

Continental Records North America CW

Single Operator
V21AS[1992] 2077/2070/522 => 2,164,734
Single Operator/LP
VE3DZ[2004] 1001/1013/348 => 700,872
Multi Operator
KC1XX[2001] 2294/2236/533 => 2,414,490
High Band
K1RM[1989] 1003/1003/162 => 324,972

Continental Records North America SSB

Single Operator
VE3AT[2004] 2336/2360/416 => 1,953,536
Single Operator/LP
VE3DZ[2004] 1076/1082/343 => 740,194
Multi Operator
K2NG[2000] 2137/2030/539 => 2,246,013
SWL Category
VO1001SWL [2007] 629/75/496 => 349,184
High Band
K4XS[1989] 2026/2025/262 => 1,061,362
Multi Multi
W3FV[1991] 503/501/167 => 167,668

Continental Records North America RTTY

Single Operator
ZF2NT[2003] 1429/1415/655 => 1,862,820
Single Operator/LP
VE1OP[2005] 1063/1195/601 => 1,357,058
Multi Operator
VE3NZ[2003] 1030/1055/605 => 1,261,425
SWL Category
VE3UWC/W6[2002] 293/296/216 => 127,224
High Band
WF5E[1989] 219/149/158 => 58,144

Continental Records Oceania CW

Single Operator
ZL3GQ[1989] 1011/982/299 => 595,907
Single Operator/LP
YBØECT[2002] 894/549/296 => 427,128
Multi Operator
9M6AAC[1999] 1551/1435/381 => 1,137,666
SWL Category
YB-INS-99[2001] 132/92/97 => 21,728
High Band
VK8XX[1989] 745/744/168 => 250,152

Continental Records Oceania SSB

Single Operator
ZL6QH(DK1II)[2001] 899/771/249 => 415,830
Single Operator/LP
YBØECT[2002] 355/320/175 => 118,125
Multi Operator
ZL6QH[2002] 1338/1110/331 => 810,288
SWL Category
YB-INS-99[2000] 628/350/192 => 187,776
High Band
VK2APK[1989] 393/389/142 => 111,044
Multi Multi
DX1DBT[1992] 557/455/141 => 142,692

Continental Records Oceania RTTY

Single Operator
ZL2AMI[2004] 514/1036/359 => 556,450
Single Operator/LP
YBØDPO[2004] 444/891/345 => 460,575
Multi Operator
VK6GOM[2002] 227/125/186 => 65,472
SWL Category
YB-INS-99[2004] 21/180/35 => 7,035
High Band
VK2BQQ[1989] 45/30/58 => 4,350

Continental Records South America CW

Single Operator
LT1F(LU5CW)[1998] 2011/1860/429 => 1,660,659
Single Operator/LP
PY7IQ[2002] 927/938/380 => 708,700
Multi Operator
ZW5B[2001] 2164/2101/538 => 2,294,570
High Band
CX8BBH[1989] 1391/1313/222 => 600,288

Continental Records South America SSB

Single Operator
9Y4TBG(DL1MGB)[2003] 2519/2522/450 => 2,268,450
Single Operator/LP
ZX2B(PY2MNL)[2004] 1068/1084/337 => 725,224
Multi Operator
ZW5B[2000] 2569/2503/509 => 2,581,648
SWL Category
CX-NØ2Ø[2002] 187/207/394 => 155,236
High Band
LU6ETB[1989] 1675/1637/234 => 775,008
Multi Multi
LU1CF[1989] 303/301/160 => 96,640

Continental Records South America RTTY

Single Operator
ZX2B [2007] 1252/2240/679 => 2,371,068
Single Operator/LP
PS7TKS[2003] 802/910/526 => 900,512
Multi Operator
PW2A[2000] 772/779/292 => 452,892

DX Club Competition

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

Europe

Bavarian Contest Club	(DL)	20,409,938	(72)
Rhein Ruhr DX Association	(DL)	9,733,494	(41)
Black Sea Contest Club	(UR)	4,465,578	(6)
Lithuanian Contest Group	(LY)	4,332,159	(6)
DL-DX RTTY Contest Group	(DL)	2,504,047	(5)
Ukranian Contest Club	(UR)	1,710,709	(13)
World Wide Young Contesters	(*)	1,693,006	(9)
Vrhnika Contesters	(S5)	1,568,488	(4)
Russian Contest Club	(UA3)	1,246,923	(12)
Slovenia Contest Club	(S5)	1,242,223	(5)
Moscow Contest Club	(UA3)	1,215,586	(3)
SP DX Club	(SP)	1,182,686	(10)
Latvian Contest Club	(YL)	309,148	(8)
Süddeutsche DX Gruppe	(DL)	308,944	(4)

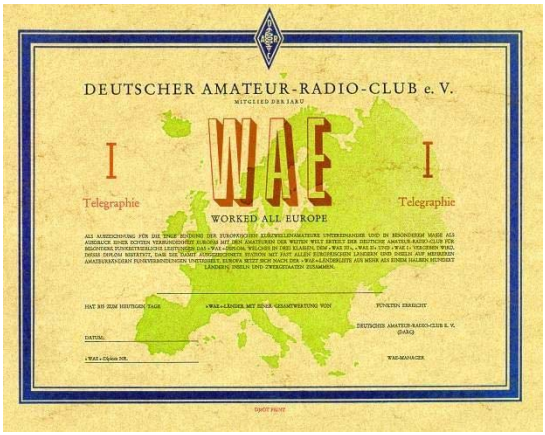
Outside Europe

Ural Contest Group	(UA9)	11,063,250	(17)
Potomac Valley Radio Club	(W3)	8,870,590	(31)
Yankee Clipper Contest Club	(W1)	7,926,487	(20)
Frankford Radio Club	(W3)	6,089,139	(13)
Contest Club Ontario	(VE3)	2,842,228	(18)
South Ural Contest Club	(UA9A)	2,462,482	(4)
South East Contest Club	(W4)	1,790,437	(8)
TuPY DX Group	(PY)	1,388,678	(4)
Florida Contest Group	(W4)	1,228,725	(9)
Tennessee Contest Group	(W4)	911,735	(10)
Guara DX Group	(PY7)	253,261	(9)
Society of Midwest Contesters	(W9)	207,046	(4)
North Texas Contest Club	(W5)	109,394	(3)
Western Washington DX Club	(W7)	62,523	(5)
Northern California Contest Club	(W6)	58,767	(7)

WAEDC – WAE – DCL – Certificates

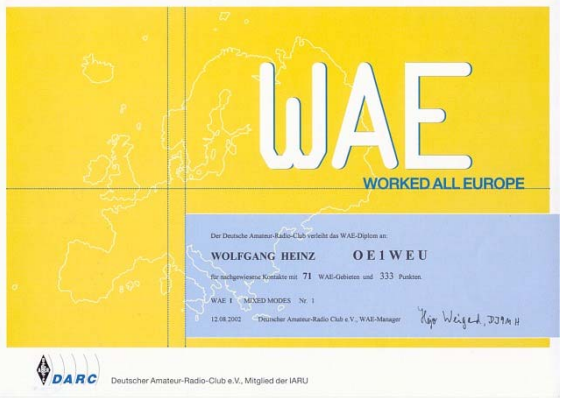
WAEDC – WAE – DCL

Hunters and collectors, that is the human being by nature. Contesters hunt for victory, and the diploma collectors laboriously collect first their QSOs, then QSLs and then the paper or metallic honors for their achievement. It may be that one or the other hunter also collects. Surely there is the collector that goes on the hunt in order to admire his trophy afterwards.
Now we are already on the topic which concerns most contesters on the periphery. With the WAE: "Worked all Europe". Already the "all" sounds like "a lot". And indeed, already the effort for the trivial version of this diploma, i.e. the WAE III in the mixed mode class, requires proof of QSLs from 40 European areas and 100 band points. Mathematically, this means that every area must be confirmed on 2 ½ bands.



WAE CW, WAE PHONE, WAE Classic

From the usage of this Roman three, it can be derived that there will probably also be a two and a one. Correct! The requirements are inversely proportional to these numbers. WAE II is awarded for 50 areas and 150 band points and the WAE I for 60 areas and 200 band points. This diploma program has been in principle available for over 50 years, and is considered to be one of the world-wide most difficult to achieve. However, additional mode possibilities, as well as mixed modes, have been added to the old modes CW and phone in this millenium.



WAE mixed modes, WAE RTTY

That was not enough. During the golden 90's (with the present 73 European areas) the desire came up to make the rules more difficult. 70 countries and 300 points can easily be reached when each all are worked on five bands. The "Top-Plaque" was born, and enjoys considerable popularity with collectors.

WAE-TOP for a full house

In order to provide the "top, top people" a new game, the "Trophy" was created. This is a "full house", which means that one must have confirmed all 73 areas on five bands each.

Beyond this, whoever has a "full house" on six or even more bands, plays in the sticker league. The fact that there is also a Classic variant of the diploma program for only CW or Phone is noted on the side. These awards are given only for those that have collected their points exclusively on the classic amateur radio bands, i.e. 160/80/40/20/15 and 10m.
For many contesters, sending QSLs is an annoyance, or they remove themselves from this responsibility by rejection. To help the collectors to achieve their desired points, our American friends egoistically, and nearly only for its DXCC applicably, created the "Logbook Of The World".

Now, we Europeans do not want to see things too narrowly, and we are still tinkering on DCL. This instrument, which modestly means "DARC Contest Log", is a collection of DARC contest QSOs.
The data base already contains over 8 million entries, of which about half are cross-checked contest contacts. This means the logs were available for both QSO partners, or one later verified the QSO. Although the vision of the DCL seems to have been achieved only partially so far the DCL already can do some more things. It can e.g. provide diploma points for the WAE, if the candidate was quite active in contests. Admittedly for Europeans, entries in the DCL resulting from the WAEDC are naturally only for RTTY.
But there is still WAG, the Field Days, XMAS and in principle also the 10m Contest.

Just take a look at http://www.dxhf.darc.de/waeaw, or send your question by email to the WAE specialist at dj9mh@darc.de. (translation: Mitch, DJ0QN).

Worked All Germany Contest (WAG) 2007

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,
Klaus Voigt, DL1DTL

1. Contest periods:

October, third full weekend,
1500 UTC Saturday to 1459 UTC Sunday
2007: 20./21. October
2008: 18./19. October

2. Modes and bands:

SSB, CW: 3,5 - 7 - 14 - 21 - 28 MHz

According to IARU Region I regulations and from experience in 2006 to reduce interference with the participants of JOTA contest operation is not allowed in the following contest-free sections:

80m: CW - 3560 - 3800 kHz,
SSB – 3650 – 3700 kHz
40m: SSB – 7080 – 7140 kHz
20m: CW - 14060 - 14350 kHz,
SSB – 14100 – 14125 kHz und 14280 – 14350 kHz
15m: SSB – 21350 – 21450 kHz
10m: SSB – 28225 – 28400 kHz

3. Categories:

- Single operator, CW, low power
- Single operator, CW, high power
- Single operator, mixed, low power
- Single operator, mixed, high power
- Single operator, mixed, QRP
- Multi operator
- SWL, single operator

Output power: QRP = up to 5 watts, low power = up to 100 watts, high power = more than 100 watts

For Multi operator band changes are allowed every ten minutes; Exception: working of new multiplier (other transmitters may be used in parallel to the main station to work multipliers on other bands, this means, several signals may be on the air on different bands at the same time).

Note: DX cluster support is allowed for all categories.
Note: Only one signal permitted at any time (exception: multi operator).

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 every participant as PDF-file for self-printing.

8. Disqualification:

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

9. Logs:
Logs need to be sent in STF or Cabrillo-Format to the following E-Mail-Address:
wag@dxhf.darc.de
Be sure to put the station callsign in the subject of each message.

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

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

12. Addresses:

for log:	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	DK3WW	877.716	2006
Single OP CW <100 W	EU	9H3L	377.625	2006
Single OP CW <100 W	DX	UN7MO	208.980	2004
Single OP CW >100 W	DL	DL1IAO	1.487.234	2006
Single OP CW >100 W	EU	SM5INC	318.420	2006
Single OP CW >100 W	DX	UA9SP	235.170	2005
Single OP Mixed <100 W	DL	DL3AMA	829.250	2006
Single OP Mixed <100 W	EU	IZ7EDQ	282.138	2006
Single OP Mixed <100 W	DX	4J5A	248.820	2005
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	DJ1YFK	327.327	2005
Single OP QRP	EU	US6EX	162.381	2000
Single OP QRP	DX	RA9SO	122.412	2002
Multi OP	DL	DQ4W	2.156.583	2006
Multi OP	EU	LA3ANA	463.500	2006
Multi OP	DX	RT9W	458.784	2004

Worked All Germany Contest (WAG) 2006

Results and Report by Klaus Voigt, DL1DTL

Top Scores

Single Operator CW Low Power Germany

Call	Score	Multi	QSO	80m	40m	20m	15m	10m
DK3WW	877716	252	1163	313	314	329	151	55
DL4MCF	859195	227	1274	349	353	343	174	55
DP5T	627096	204	1116	322	285	349	140	20
DL1DSW	569400	219	956	333	238	240	98	47
DJ6BQ	515592	189	1004	358	325	207	93	21
DD5M	513540	180	1029	216	329	268	166	50
DL1DTL	479180	190	931	266	261	276	86	42
DL2LRT	469476	189	860	286	244	193	101	36
DL1EKC/P	459368	182	879	113	267	343	112	44
DL4ME	451935	165	1070	362	385	230	91	2
Foreign								
9H3L	377625	125	1028	125	172	238	228	265
UT2UB	214185	109	699	125	162	174	170	68
SV1ENG	177600	100	614	60	65	239	141	109
UN3M	171600	100	591	83	104	176	183	45
YO5KUC	165564	108	517	86	121	111	155	44
UA6LCN	164430	105	579	76	182	200	70	51

Single OP CW High Power Germany

DL1IAO	1487234	287	1698	331	510	523	223	111
DP7A	193000	250	1425	323	499	387	172	44
DL5WW	140256	258	1342	364	433	272	191	82
DM1TT	757464	222	1246	329	416	280	147	74
DM3C	637749	191	1200	370	414	261	115	40
DL2MDU	628792	212	1019	228	277	302	156	56
Foreign								
SM5INC	318420	122	914	199	226	192	180	117
9A3B	247266	114	740	126	169	267	129	49
YL2PQ	200304	104	658	191	188	189	67	23
RT3T	190368	96	682	128	193	210	149	2
EW8DX	181365	107	586	116	180	200	62	28
EA3KU	174291	109	563	25	140	113	152	133

Single-OP mixed Low Power Germany

DL3AMA	829250	214	1371	422	374	369	141	65
DK3W	665878	223	1035	359	259	277	87	53
DL5FU	483160	188	910	191	356	227	96	40
DL9ABM	473564	182	932	385	272	167	74	34
DR3R	404622	177	842	365	163	168	106	40
DK5DQ	392922	166	804	196	215	247	110	36
DL7UMK	341481	161	828	308	270	187	40	23
DL1NKS	337875	159	883	363	345	84	69	22
DL7DZ	287210	154	677	265	196	120	63	33
DD1LD	272709	157	651	147	214	154	102	34
Foreign								
IZ7EDQ	282138	118	824	27	144	144	275	234
YO3CZW	252396	114	755	37	156	222	227	113
EA3IM	243756	111	780	17	264	307	95	97
IK6CAC	236925	117	697	74	122	273	166	62
SV1BJW	185136	112	567	64	100	196	119	88
IM0/DL2JRM/P	183399	113	565	48	69	104	199	145

Single-OP mixed High Power Germany

Germany								
DL9EE	973140	245	1351	416	353	391	138	53
DJ8OG	911729	233	1308	294	229	550	168	67
DF1IAQ	708310	193	1378	291	548	405	84	50
DL3EBX	470160	180	970	281	345	225	90	29
DJ3WE	450300	190	1022	398	433	98	59	34
DL2MWB	415524	186	888	262	239	254	104	29
Foreign								
4N6FZ	372000	124	1052	297	137	306	113	199
UA3QDX	365970	110	1136	159	301	464	156	56
S53EO	349392	116	1035	231	342	232	142	88
RA1AGL	313920	120	919	118	218	312	160	111
YO2RR	265176	116	774	107	113	199	243	112
HA3NU	230208	109	730	125	153	257	160	35

Single-OP QRP Germany

DL1ARJ	311049	153	831	416	184	125	63	43
DL3KVR	245784	147	603	175	200	175	38	15
DL6IAK	194916	148	498	196	47	133	80	42
DL6AWJ	90525	85	459	177	179	88	10	5
DL1HTX	67239	93	284	70	95	72	39	8
DB6FO	42336	84	212	92	39	42	32	7
Foreign								
UA4FER	105522	86	413	64	86	178	83	2
UA6LCJ	78351	91	290	58	50	89	57	36
F5VBT	76080	80	322	90	94	88	39	11
OE8NTK	58032	78	256	64	115	52	18	7
G3VGR	56322	63	302	85	176	41	0	0
SP4GFG	48348	68	237	70	97	63	7	0

Multi Operator Germany

DQ4W	2156583	363	1913	396	485	553	357	122
DL1WA	1866933	311	1919	326	395	701	329	168
DM1A	1740480	294	1951	358	431	730	320	112
DP9A	1684540	310	1917	433	634	560	181	109
DL0XM	1345707	297	1506	418	348	464	182	94
DQ4T	1320700	281	1629	374	350	610	205	90
Foreign								
LA3ANA	463500	125	1268	222	257	292	287	210
RF3A	325248	112	1024	108	258	397	220	41
ES1A	295845	121	840	166	250	170	180	74
RK3MWD	257088	104	888	109	222	429	115	13
RK3DXZ	236412	99	843	44	247	437	102	13
CT9L	208794	89	819	10	9	217	505	78

Two young WAG 2006 Operators. Fabian and Felix (10 years) as DN4SB.

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	99	291	47	13677

5H - Tanzania

5H3EE	186	510	69	35190

9A - Croatia

9A3TU	168	486	72	34992
9A5V	170	450	56	25200

9H - Malta

9H3L	1028	3021	125	377625

A6 - United Arab Emirates

A61M	27	57	16	912

CT - Portugal

CT/UA4WEC	206	588	47	27636

DL - Germany

DK3WW	Y24	1163	3483	252	877716
DL4MCF	C26	1274	3785	227	859195
DP5T	L11	1116	3074	204	627096
DL1DSW	S04	956	2600	219	569400
DJ6BQ	I18	1004	2728	189	515592
DD5M	C01	1029	2853	180	513540
DL1DTL	S01	931	2522	190	479180
DL2LRT	S36	860	2484	189	469476

DL1EKC/P	Z59	879	2524	182	459368
DL4ME	X30	1070	2739	165	451935
DL7BY	D26	852	2248	199	447352
DL9CW	S01	888	2439	175	426825
DL9ZP	V14	815	2257	173	390461
DL1BUG	Y18	885	2358	165	389070
DL1DQW	S24	796	2039	179	364981
DK1QO	Z65	853	2190	164	359160
DA3T	22	840	2074	173	358802
DL3DTH	S07	851	2223	159	353457
DL6AG	S44	730	2058	171	351918
DL4HRM	W35	849	2255	139	313445
DH8VV	B25	716	2081	149	310069
DL8DWW	S04	717	1862	166	309092
DL7JV	D11	751	2000	146	292000
DL5KUD	Z89	697	1838	157	288566
DK5XG	E22	661	1842	156	287352
DL4UL	E01	786	2033	139	282587
DL3KUM	V12	628	1761	157	276477
DL1PE	Y37	680	1730	154	266420
DL3BRA	Y16	725	1883	127	239141
DL4JYT	S54	605	1591	140	222740
DL9SUB	V14	643	1730	128	221440
DL9SXX	V28	655	1686	131	220866
DL3YM	A24	571	1451	147	213297
DL2AXA	X24	552	1405	142	199510
DJ4EY	Z92	488	1335	144	192240
DL9URZ	A10	465	1582	115	181930
DJ3XD	H56	536	1416	123	174168
DL4JU	R09	502	1229	136	167144
DL3KWR	V11	483	1302	124	161448
DL2NBY	B01	498	1277	126	160902
DL6KVA	V01	392	1198	125	149750
DJ2IA	Y25	503	1227	122	149694
DD1IM	K27	454	1211	112	135632
DK5IM	W37	430	1197	109	130473
DK4PL	S05	349	1040	119	123760
DH5JG	L15	324	965	126	121590
DL1HAA	N22	437	1155	99	114345
DF6MU	C12	343	1044	100	104400
DL7JOM	Y07	329	911	110	100210
DJ9MH	B10	374	930	107	99510
DL1SCH	P06	375	890	111	98790
DL1ANT	S42	395	873	108	94284
DJ2SX	P42	505	929	94	87326
DJ7YT	M11	303	801	96	76896
DL3ZAI	F58	302	749	102	76398
DL7UXG	D21	302	764	96	73344
DL4UCS	X04	260	670	108	72360
DL1RTS	Y07	278	648	98	63504
DL5IAH	K09	315	952	66	62832
DL4XU	E02	282	656	92	60352
DL7ACN	A22	266	596	93	55428
DL2VRL	S27	233	575	93	53475
DF1SZ	P40	276	610	83	50630
DL7BW	D20	226	532	91	48412
DL9LM	V14	179	608	73	44384
DL9AWI	X11	168	518	85	44030
DL5ASK	X29	183	593	74	43882
DL5SVB	V17	206	535	82	43870
DL6UEF	Y27	190	570	73	41610
DL6AT	V14	180	491	83	40753
DL9SEV	P51	184	536	69	36984
DL3HSC	W23	185	489	75	36675
DJ3XK	E31	127	414	88	36432
DL6DSA	S20	246	638	55	35090
DL8YR	G01	213	527	65	34255
DJ4EJ	A14	198	441	77	33957
DL1RTL	Y34	170	446	76	33896
DF3IS	A36	181	455	72	32760
DK9BW	I38	131	426	74	31524
DF1RL	M35	184	457	66	30162
DJ3XA	V01	185	472	63	29736
DL5CD	S60	120	365	71	25915
DF1HF	E21	175	410	63	25830
DL2ANM	X39	161	401	53	21253
DL9GMC	V06	129	357	59	21063
DL1KWK	V01	170	336	62	20832
DL3DD	R10	122	360	56	20160
DL8EKI	I09	115	341	58	19778
DL5JAN	S53	100	301	65	19565
DL2AXM	X39	113	272	58	15776
DK5ZX	V22	100	265	59	15635
DJ5QE	N20	142	298	51	15198
DL8ZAJ	F09	100	279	54	15066
DL5ZB	S19	98	244	60	14640
DL5SWB	V14	109	291	47	13677
DH7AMF	Y18	106	263	52	13676
DL8UIL	Y24	104	279	46	12834
DF4PD	G23	137	328	37	12136
DM2CEH	X07	105	259	46	11914
DL3UKH	Y43	117	260	45	11700
DF5LW	M03	160	314	37	11618
DL5WB	X09	100	306	37	11322
DL4NT	B08	66	202	48	9696
DL2BWM	Y22	112	294	31	9114
DL1RLB	Y06	81	238	38	9044
DL9GWA	V04	109	352	25	8800
DL7UPN	C11	71	195	44	8580
DL2IAN	K23	69	225	37	8325
DL1DXL	S06	71	194	39	7566
DL1THB	V11	71	197	38	7486
DL5FCO	F39	73	202	35	7070
DM3XI	X10	45	152	39	5928
DL8DZV	S27	55	153	37	5661
DL7AXM	Y22	53	160	35	5600
DL7YS	D06	59	157	33	5181
DJ1OJ	C25	51	154	32	4928
DL3JRA	S44	63	179	26	4654
DL3TF	Y24	47	118	33	3894
DL9GUN	V11	68	124	24	2976
DM3LHN	S60	50	126	21	2646
DJ5GG	B13	37	88	23	2024
DL2KWW	V11	23	63	21	1323
DL2MIH	C18	21	65	19	1235
DL1EV	R04	20	59	19	1121
DK1EAW/P	Z03	21	55	17	935
DJ3TD	V11	35	54	16	864
DL4FDM	F02	24	58	9	522
DL2KUA	V01	14	35	11	385
DK7NB	B20	62	54	6	324

EA – Spain

EA7CA	190	522	68	35496
EA1CS	180	516	59	30444
EA5BAH	138	390	47	18330
EA4CJI	151	315	58	18270
EA4BF	59	138	19	2622
EA1CRL	40	99	24	2376
EA1WX	24	69	16	1104

EA6 - Baleares

EA6/DL5DSM	250	726	76	55176

EA8 - Canary Islands

EA8MQ	300	750	91	68250
EA8/DL8LAS	220	582	72	41904
EA8BEX	104	285	45	12825

EI - Ireland

EI9ES	71	207	42	8694

EU - Belarus

EW8UN	450	1278	92	1E+05
EV6Z	231	684	63	43092
EW6EW	221	651	56	36456
EW6MM	181	534	56	29904
EU6AA	128	372	52	19344
EW2EG	40	114	25	2850

F - France

F5UKL	356	993	100	99300
F5ICC	166	498	58	28884
F5QF	50	144	19	2736

G - England

G3GLL	148	438	54	23652
G4OGB	152	432	44	19008
G3URA	88	246	39	9594
G0MRH	76	201	36	7236
M0AJT	52	150	26	3900

GU - Guernsey

MU0FAL	75	207	28	5796

HA - Hungary

HA8TP	515	1479	101	1E+05
HA2MN	275	807	61	49227
HA5LZ	214	636	67	42612
HA7LW	159	468	54	25272
HA0DW	83	240	32	7680

HB9 - Switzerland

HB9SVT	115	300	34	10200

HS - Thailand

HS0AC	212	606	45	27270

I - Italy

IZ3DBA	366	1020	86	87720
I2AZ	219	624	53	33072
I6FDJ	190	537	47	25239
IK2CZQ	145	399	53	21147
I1FLC	155	450	41	18450
IZ5GRS	100	276	54	14904
IZ8GCB	48	135	18	2430
IK2IKW	11	27	9	243

IS - Sardinia

IS0XDA	148	441	57	25137
IS0UWX	45	105	17	1785

IT - Sicily

IT9RZU	382	1110	85	94350
IT9ORA	262	771	79	60909
IT9ZAU	14	30	9	270

JA - Japan

JA1CPZ	27	69	14	966
JA2KKA	15	45	11	495
JE1RRK	18	48	9	432
JA1AAT	6	15	5	75
JH9AMJ	2	6	2	12
JN7OJA	2	6	2	12

K - USA

WB2AA	182	534	72	38448
N3UA	159	465	62	28830
K1BV	123	324	54	17496
W1END	84	246	32	7872
K9QVB	79	204	30	6120
KR2AA	95	273	22	6006
W0QQG	73	177	30	5310
W9ILY	48	135	19	2565
KU8E	25	69	21	1449
AB1FY	17	48	10	480

LA - Norway

LA6DW	181	528	67	35376
LA3BO	144	432	51	22032
LA1YE	29	87	23	2001

LU - Argentina

LW1E	115	342	48	16416
LU5BE	36	96	22	2112
LU4MHQ	26	72	13	936

LY - Lithuania

LY4G	242	720	73	52560
LY1BX	226	588	67	39396
LY2LF	76	222	30	6660

LZ - Bulgaria

LZ5XQ	414	1221	99	1E+05
LZ1KP	110	279	41	11439
LZ2JR	151	417	25	10425
LZ2UZ	9	24	6	144

OA - Peru

OA7/DL1CW	56	126	24	3024

OK - Czech Republic

OK2MBP	483	1443	87	1E+05
OK1HX	396	1179	76	89604
OK2QX	300	882	82	72324
OK2EC	259	762	67	51054
OK2KJ	245	729	59	43011
OK2ABU	201	573	56	32088
OK5A	207	591	44	26004
OL5DIG	144	429	55	23595
OK1DAM	184	528	44	23232
OK1AY	180	492	40	19680
OK1DKR	137	402	47	18894
OK2BND	107	321	44	14124
OK1NE	107	315	36	11340
OK2SJ	86	243	35	8505
OK1GS	53	153	15	2295
OK6DJ	32	75	21	1575
OK2PBF	27	72	12	864

OM - Slovak Republic

OM7DX	535	1548	86	1E+05
OM1AF	186	549	58	31842
OM3BA	200	591	51	30141
OM7YC	35	90	23	2070

ON - Belgium

OR7Y	265	747	54	40338
OS5N	244	630	56	35280
ON4TTT	106	249	32	7968
OR6C	55	165	28	4620
OO0A	23	60	10	600

OY - Faröer

OY4M	29	78	19	1482

OZ - Denmark

OZ5UR	76	228	33	7524

PA - Netherlands

PA2W	232	690	49	33810
PA0KHS	132	375	44	16500
PA0WKI	102	303	32	9696
PA3GLH	47	96	20	1920

PY - Brazil

PY8MGB	85	237	33	7821
PY7OJ	18	45	12	540
PY4FQ	14	39	10	390
PY7GK	15	27	5	135

RA-AS - Asiatic Russia

UA9FGJ	306	915	80	73200
UA9BX	330	942	77	72534
RV9CP	303	843	62	52266
RX9FB	205	612	70	42840
UA9CBR	215	639	62	39618
RA9KM	248	690	55	37950
RA9HTO	157	453	39	17667
RA9JG	125	357	41	14637
UA9OA	63	186	34	6324
UA9OMT	61	174	25	4350
RV9YK	63	180	24	4320
RW0AJ	65	192	21	4032
RW9TA	27	78	16	1248

RA-EU - European Russia

UA6LCN	579	1566	105	2E+05
RK3XWO	578	1623	92	1E+05
UA3LID	532	1587	94	1E+05
UA1CEC	437	1290	95	1E+05
RN3QP	476	1320	89	1E+05
RK4HD	435	1290	90	1E+05
RA6YY	401	1173	95	1E+05
RD3FX	381	1137	87	98919
RK3IM	362	1032	88	90816
RN4AO	287	765	77	58905
UA1ZZ	302	825	66	54450
RA3ID	222	648	62	40176
UA4ALI	193	567	63	35721
RZ6HF	160	471	70	32970
RV3MR	193	564	57	32148
UA6HFI	160	456	65	29640
RK6CM	173	504	58	29232
RA3ZC	165	441	64	28224
RW6AMP	161	426	59	25134
UA4PJM	122	345	53	18285
UA3XAC	173	495	36	17820
UA3AKI	148	432	41	17712
RA3UAG	111	330	53	17490
UA4AGO	120	351	47	16497
RX3VF	122	357	46	16422
UA6AK	132	357	45	16065
RW4AD	113	321	47	15087
UA1PAC/1	130	381	37	14097
RX3MM	115	318	35	11130
RV3AQN	146	432	23	9936
UA1CE	109	303	32	9696
RN1AO	77	225	38	8550
UA4FCO	61	183	27	4941
RA3BQ	72	192	20	3840
UA3RAW	43	111	22	2442
RL3AF	38	111	16	1776
RA3GFG	33	93	18	1674
UA6BUX	21	51	14	714
UA4FUW	20	54	10	540
RX3DCN	19	48	10	480
UA3QIX	8	12	4	48

S5 - Slovenia

S57NL	272	711	67	47637
S58MU	153	444	42	18648
S53AU	23	69	12	828

SM - Sweden

SM5AOG	375	1110	92	1E+05
SE2T	237	696	84	58464
SM7EH	173	489	55	26895
SM0BDS	103	303	47	14241
SA1A	50	144	17	2448
SM6NJK	45	120	18	2160

SP - Poland

SP8BAB	328	963	91	87633
SP8KEA/8	285	834	77	64218
SP2HPD	212	612	53	32436
SP1AEN	243	720	44	31680
SP9DUX	150	447	55	24585
SP1DPA	137	405	45	18225
SP6BAA	122	330	41	13530
SP7BDS	67	195	40	7800
SP7FCX	110	318	21	6678
SP9KJU	51	141	26	3666

SV - Greece

SV1ENG	614	1776	100	2E+05
SV2FWV/1	286	816	75	61200

SV5 - Dodecanes

SX5R	157	465	70	32550

UN - Kazakhstan

UN3M	591	1716	100	2E+05
UN7EX	76	222	21	4662

UR - Ukraine

UT2UB	699	1965	109	2E+05
UW2F	425	1248	105	1E+05
UU5JIB	365	1059	87	92133
UY5LQ	384	1074	83	89142
UR5ZTH	326	936	91	85176
UY5ZI	289	837	83	69471
UT3N	305	834	81	67554
UR5QA	250	726	67	48642
UR3LTD	183	537	39	20943
UT8IO	110	324	52	16848
UX7QD	206	609	24	14616
UT7HM	124	309	38	11742
UY2ZZ	65	180	18	3240
UT8LO	50	147	22	3234
US0QG	58	126	18	2268

VK - Australia

VK4TT	34	96	14	1344
VK8AV	19	57	12	684

VU - India

VU2BGS	135	396	53	20988

YB - Indonesia

YB0DPO	222	639	49	31311

YL - Latvia

YL3DQ	482	1422	97	1E+05
YL2CV	427	1275	103	1E+05
YL2TB	437	1290	91	1E+05
YL5M	470	1377	82	1E+05
YL3DX	283	843	69	58167
YL2HK	225	591	46	27186
YL2AQ	97	246	47	11562
YL2TD	112	309	37	11433
YL8M	73	210	44	9240
YL2GQT	101	279	23	6417

YO - Romania

YO5KUC	517	1533	108	2E+05
YO9CXE	120	315	46	14490
YO6GCW	102	291	45	13095
YO3JV	90	225	39	8775
YO9HG	41	120	23	2760

YU - Yugoslavia

YU1BN	303	888	87	77256
YU7DP	253	747	68	50796
4N1N	113	315	63	19845
YU7LS	55	144	21	3024
YT1YV	25	48	11	528

YV - Venezuela

YV7QP	100	213	34	7242

ZS - Republic South Africa

ZS6C	36	87	16	1392

Single Operator CW High Power

9A - Croatia

9A3B	740	2169	114	2E+05
9A3ST	314	927	80	74160
9A2VN	51	150	25	3750

DL - Germany

DL1IAO	A24	1698	5182	287	1487234
DP7A	B25	1425	4372	250	1093000
DL5WW	V22	1342	4032	258	1040256
DM1TT	F27	1246	3412	222	757464
DM3C	V22	1200	3339	191	637749
DL2MDU	C06	1019	2966	212	628792
DL5JS	R01	922	2813	196	551348
DL2F	F07	996	2862	186	532332
DL1DTC	N26	936	2674	174	465276
DL6UNF	Y27	915	2615	177	462855
DL3BUE	Y22	777	2160	170	367200
DF9DM	Z38	750	2202	162	356724
DL5SE	S54	800	2202	147	323694
DL5A	E09	731	1995	160	319200
DL8UNF	Y24	595	1472	150	220800
DF8AA	X37	639	1651	133	219583
DH0GHU	A30	462	1396	129	180084
DL7BA	V12	451	1347	113	152211
DL6UHA	Y27	388	1163	109	126767
DL3AMI	X04	350	1047	118	123546
DK0MN	C12	418	1170	95	111150
DL5DXF	S29	389	1104	98	108192
DL5CF	W26	340	1026	105	107730
DL5XX	I53	269	813	86	69918
DL3APO	S46	171	447	31	13857
DM2RN	W26	113	357	28	9996
DF2PN	Z11	100	244	39	9516
DL3YA	W28	100	235	37	8695
DL6RCK	U08	120	273	31	8463
DJ4KW	E34	27	82	22	1804
DJ8BD	O04	25	81	17	1377
DL6DQI	S01	48	74	16	1184

EA - Spain

EA3KU	563	1599	109	174291

EU - Belarus

EW8DX	586	1695	107	181365

EX - Kyrghyzstan

EX2A	180	528	62	32736

F5 - France

F5IN	570	1683	103	173349
F5VHY	155	441	57	25137
F5YJ	92	261	33	8613

G - England

G3UFY	114	339	35	11865
M0DSL	39	114	17	1938

GM - Scotland

GM3JKS	106	285	42	11970

HA - Hungary

HA8GY	520	1500	96	144000
HA1YI	483	1407	86	121002

I - Italy

IZ5BAM	78	189	35	6615

JA - Japan

JA9CWJ	77	219	26	5694
JA5APU	34	90	14	1260
JK1LUY	13	36	9	324
JO7KMB	5	15	5	75

K - USA

N4AF	421	1221	86	105006
N4CW/1	357	1047	83	86901
K4BAI	117	345	40	13800
K1KI	103	309	42	12978
N9CK	113	336	37	12432
WA3AAN	88	246	39	9594
N3KR	74	219	25	5475
W9YQ	74	201	21	4221
KD2HE	43	114	23	2622

LX - Luxembourg

LX1NO	2	6	2	12

LY - Lithuania

LY3M	62	177	21	3717

LZ - Bulgaria

LZ1MC	138	399	55	21945
LZ3FN	142	411	51	20961

OH - Finland

OH6M	453	1272	91	115752

OK - Czech Republic

OK1AYY	138	402	46	18492

ON - Belgium

OT1A	100	267	22	5874

P4 - Aruba

P43JB	271	729	68	49572

PA - Netherlands

PA0LOU	152	426	51	21726

PY - Brazil

PY3AU	49	141	30	4230

RA-AS - Asiatic Russia

RA9SG	200	576	54	31104
UA9UCK	157	444	55	24420
RU9UC	67	192	37	7104
RA9FLW	51	147	25	3675

RA-EU - European Russia

RT3T	682	1983	96	190368
RA6CZ	426	1188	97	115236
RK3DK	432	1254	73	91542
RA3FD	136	408	46	18768
RA4NF	22	63	17	1071

SM - Sweden

SM5INC	914	2610	122	318420

SP - Poland

SP4KDX	271	798	61	48678
SP2LNW	218	648	66	42768

UN - Kazahkstan

UN9L	457	1320	86	113520
UP1G	64	189	29	5481

UR - Ukraine

UR7QC	394	1134	92	104328
UT5UIA	340	978	79	77262
UT7EZ	230	654	80	52320

VQ9 - Chagos

VQ9JC	128	372	45	16740

YL - Latvia

YL2PQ	658	1926	104	200304

YO - Romania

YO4NA	212	579	65	37635

Single Operator Mixed Mode Low Power

4K - Azerbaijan

4J7WMF	62	174	38	6612

4X - Israel

4X6DK	42	123	21	2583

BV - Taiwan

BU2AO	4	12	4	48

DL – Germany

DL3AMA	X06	1371	3875	214	829250
DK3W	W37	1035	2986	223	665878
DL5FU	K18	910	2570	188	483160
DL9ABM	H07	932	2602	182	473564
DR3R	Y14	842	2286	177	404622
DK5DQ	O32	804	2367	166	392922
DL7UMK	Y07	828	2121	161	341481
DL1NKS	B24	883	2125	159	337875
DL7DZ	I11	677	1865	154	287210
DD1LD	C12	651	1737	157	272709
DL5X	X30	601	1634	145	236930
DF0DIG	DIG	508	1431	145	207495
DL9NDS	DVB	495	1464	138	202032
DL4AWA	X06	673	1452	139	201828
DJ2AX	X20	590	1428	122	174216
DL3AWB	X45	444	1084	137	148508
DH2MA	A23	378	944	128	120832
DL1ARD	X23	412	1065	105	111825
DB7TF	F62	345	882	116	102312
DL2DTL/P	S08	580	1064	87	92568
DJ3JD	H03	421	888	104	92352
DL5JRA	S56	351	914	99	90486
DM9CM	A36	288	743	119	88417
DL6OZ	H24	340	840	104	87360
DH8WE	X23	344	958	90	86220
DL1LKR	O52	470	901	95	85595
DC3MH	L04	383	801	103	82503
DL8AAM	H53	333	760	105	79800
DR4G	C22	346	804	99	79596
DL1DUO	S07	334	709	111	78699
DK4DE	H56	414	793	93	73749
DG1IU	A35	519	957	73	69861
DL3BBY	E16	309	741	93	68913
DL4MA	Z88	341	708	95	67260
DL1HSR	W22	264	724	90	65160
DC7NF	U09	363	756	82	61992
DK3WJ	X22	244	639	93	59427
DM4DX	N40	187	573	102	58446
DH5AO	X14	314	652	88	57376
DM5A	S27	305	614	85	52190
DL8UVG	Y30	229	594	87	51678
DL3AZI	X06	226	511	92	47012
DG1XO/P	W13	273	578	80	46240
DM3HZN	S53	202	587	76	44612
DL7APK	D14	237	548	81	44388
DM3XD	O52	220	496	86	42656
DL7VPO	Y21	462	673	61	41053
DL0AU	60T01	225	532	74	39368
DK4JM	L18	196	478	75	35850
DL5BAW	I53	186	519	68	35292
DL6UYA	Y27	200	469	74	34706
DF2PH	F20	185	458	73	33434
DL7GH	D27	184	445	72	32040
DL1CWI	L30	170	479	66	31614
DL4PF	Y25	214	461	68	31348
DM3KTO	D27	170	429	73	31317
DL4CW	T10	136	445	68	30260
DH6DAO	O17	195	423	70	29610
DM2BPG	W33	151	414	69	28566
DL4AUE	X35	179	460	62	28520
DJ4TS	F20	166	427	66	28182
DJ9MT	M11	148	406	67	27202
DL4MNG	L11	207	458	59	27022
DF6WE	L14	178	405	65	26325
DG1YFF	N43	164	399	65	25935
DL4NN	B08	131	368	70	25760
DG0DG	S27	150	382	67	25594
DL6OAK	H56	140	395	64	25280
DL2BIS	I05	116	341	74	25234
DM5JF	S42	142	375	63	23625
DL4MHA	C06	115	348	67	23316
DG6OAG	H62	154	392	59	23128
DL0GRH	S18	107	329	69	22701
DK8PX	K07	143	360	63	22680
DM3BJ	X20	158	338	67	22646
DL1SEC	P15	116	342	66	22572
DL1AWC	X31	138	357	60	21420
DF1HE	I12	129	349	58	20242
DJ2RG	W12	257	663	30	19890
DK2FPU	Y09	102	311	63	19593
DL2RZG	W36	130	327	59	19293
DF9OO	H01	139	329	58	19082
DL3YEE	N43	100	300	61	18300
DO4ZN	T09	117	354	50	17700
DC2ZL	H42	121	296	59	17464
DF8XC	N01	140	326	52	16952
DG0CC	S54	108	300	56	16800
DK6PW	Y06	118	313	53	16589
DC8WPA	K46	181	317	52	16484
DK6AY	H41	100	288	53	15264
DP5P	WL2006	185	317	48	15216
DL7VX	D14	118	281	53	14893
DF1MA	A24	101	270	54	14580
DL1TPY	Y09	120	260	56	14560
DL0WZ	KT06	119	286	49	14014
DL2MLU	C12	117	280	49	13720
DL7VRG	C21	94	253	54	13662
DH4PSG	N20	130	261	51	13311
DO1BEN	G11	162	308	43	13244
DG8OP	H42	112	261	50	13050
DJ2FH	F42	104	264	48	12672
DL1DBR	O17	98	243	52	12636
DJ2CK	O33	116	256	48	12288
DL3AWI	X06	93	229	49	11221
DL2KWA	V06	130	272	40	10880
DG5LAC	E38	74	225	47	10575
DL8OAZ	H42	92	229	46	10534
DJ6UP	G06	88	240	43	10320
DO1YCL	N41	190	321	32	10272
DK1TS	O20	108	227	44	9988
DD8UD	S14	81	216	44	9504
DC9AM	E09	87	236	37	8732
DA0SR	Q11	99	212	39	8268
DM6HB	R32	92	203	40	8120
DL6HBQ	E09	83	202	40	8080
DG5AAP	I15	90	206	39	8034
DM5YY	S07	92	201	38	7638
DL4KW	G06	83	196	35	6860
DB1HGV	H05	65	191	34	6494
DF7MR	W22	55	172	37	6364
DM7YY	S07	72	246	25	6150
DL1DQF	S28	71	186	33	6138
DD9DAG	Y14	79	166	36	5976
DL1HWH	W19	62	180	33	5940
DL8ZVG	W37	62	157	35	5495
DL7FA	D08	63	146	37	5402
DL1VTL	S14	74	160	32	5120
DK9VA	Q11	99	165	30	4950
DK5TX	N01	46	157	31	4867
DL2EF	R06	84	183	26	4758
DL9HCO	E09	79	153	30	4590
DL2DRG	S24	53	146	30	4380
DF2KD	G22	51	137	29	3973
DL2FJK	F29	47	140	27	3780
DC2VE	Q05	84	160	23	3680
DK6BT	Z02	59	126	28	3528
DG1DRS	S24	56	133	26	3458
DL1AZK	X23	31	111	26	2886
DL8SDI	P26	55	115	25	2875
DO1AYJ	X22	42	107	24	2568
DH5NBK	B38	38	108	23	2484
DO1KUB	F27	72	120	20	2400
DM2AJK	X32	35	103	22	2266
DK8RE	Y43	35	87	25	2175
DG5SM	A07	34	90	24	2160
DG0OM	X23	52	107	20	2140
DL8UER	Y27	34	103	19	1957
DK7MCX	C10	38	87	22	1914
DL4ANI	X06	44	85	21	1785
DL2YOU	F27	32	87	20	1740
DG6LAU	M35	51	89	18	1602
DO3ASE	X45	72	112	14	1568
DG6LAR	M26	24	80	18	1440
DL1NPG	V22	27	79	15	1185
DG2LO	M35	24	82	14	1148
DO3PKE	Y25	64	85	11	935
DM4TI	X06	33	63	14	882
DO1UZ	S27	45	61	13	793
DO1SSB	P=1	49	66	11	726
DO1CS	S49	39	72	10	720
DL9XW	I33	16	45	14	630
DK7AS/P	X20	55	66	9	594
DL8BTE	Y14	47	71	8	568
DF2AP	X10	20	38	11	418
DK0LA	U07	46	58	7	406
DC2IP	A53	10	28	8	224
DK6EL	W09	8	19	7	133
DL8DXL	S22	14	20	4	80
DL0ELB	800ELB	5	12	3	36
DL6UD	Y28	4	4	1	4

EA - Spain

EA3IM	780	2196	111	243756
EA1WS	204	552	60	33120
EA3AGB	142	378	51	19278
EA3GHZ	45	129	24	3096
EA3FHP	40	114	18	2052
EB1EWE	27	81	23	1863

EI - Ireland

EI4CF	513	1464	110	161040
EI9FVB	19	57	17	969

ER - Moldavia

ER3CT	183	510	65	33150

ES - Estonia

ES5RIM	31	87	16	1392
ES6RMR	19	54	14	756

EU - Belarus

EU1AI	506	1509	94	141846
EW6AF	492	1416	86	121776
EW8DA	50	150	29	4350

F - France

F6HIA	478	1329	88	116952
F1TRE	50	144	26	3744
F4EMN	24	63	13	819

G - England

G0CKV	433	1251	78	97578
2E0PLA	149	312	50	15600
G0MTN	67	192	30	5760
G7RTI	27	75	24	1800

GI - Northern Ireland

GI4NKB	347	1008	79	79632
GI4AAM	87	249	51	12699

GM - Scotland

MM0GOR	22	60	16	960

GU - Guernsey

MU0GSY	65	186	44	8184

GW - Wales

GW0TKX	44	123	24	2952
MW0CWJ	19	54	14	756

HA - Hungary

HA5OAF	190	507	44	22308

HS - Thailand

E21EIC	12	36	11	396

HZ - Saudi Arabia

HZ1IK	127	354	47	16638

I - Italy

IZ7EDQ	824	2391	118	282138
IK6CAC	697	2025	117	236925
IK4QJF	234	690	86	59340
IZ3GNG	136	390	74	28860
IK2QLX	120	336	46	15456
IW0HLZ	90	234	35	8190
IZ5DKF	75	219	37	8103
IK2VUC	35	78	17	1326
IZ2GTO	23	66	16	1056
IZ0BNR	11	33	9	297
IZ0FVD	18	33	8	264

IS - Sardinia

IM0/DL2JRM/P	565	1623	113	183399

JA - Japan

JM2RUV	36	105	18	1890

K - USA

K2MFY	105	279	46	12834
AK1Q	70	189	36	6804
AB2TC	52	153	30	4590
WB8JUI	36	99	20	1980
K4IU	19	54	13	702
K4BP	9	27	6	162
AB0OX	7	18	6	108

LA – Norway

LA2GN	75	213	41	8733
LB1LF	7	21	6	126

LY – Lithuania

LY2FN	46	138	23	3174

LZ – Bulgaria

LZ9Z	341	978	86	84108
LZ2PEP	178	531	66	35046
LZ1ZC	10	24	7	168

OE – Austria

OE4VIE	525	1566	94	147204
OE4NKB	68	195	34	6630

OH – Finland

OH6IU	210	588	25	14700

OK – Czech Republic

OK1DOL	550	1635	84	137340
OK1KZ	168	483	39	18837
OK5MM	143	396	45	17820
OK2BV	121	330	37	12210

OM – Slovak Republic

OM5NL	364	1047	88	92136
OM6AL	244	648	60	38880

ON – Belgium

ON4AST	38	114	25	2850

OZ – Denmark

OZ4NA	117	336	62	20832

PA – Netherlands

PA0MIR	259	747	49	36603
PF9A	107	303	37	11211
PG2D	13	33	7	231

RA-AS – Asiatic Russia

RX9WN	329	957	74	70818
UA9ACJ	150	447	68	30396
RK9CR	165	471	59	27789
RA9XU	120	342	49	16758
RX9FW	88	237	39	9243
RZ9OW	101	291	31	9021
RX9FR	84	243	37	8991
RX9CCJ	46	138	32	4416
UA9TQ	60	174	19	3306
RX9TL	41	120	21	2520
RA0AY	29	84	17	1428

RA-EU – European Russia

UA4LS	319	936	85	79560
UA3QG	371	1056	66	69696
RL3AB	305	885	77	68145
UA3LHL	55	165	40	6600
UA3DUJ	50	129	26	3354
RW1CW	36	96	27	2592
RX3QDF	39	108	24	2592
UA3DLD	28	72	13	936
UA4PAQ	10	24	6	144

S5 – Slovenia

S51DX	343	948	86	81528

SM – Sweden

SK0HS/0	165	465	77	35805
SM4FYX	32	81	23	1863
SM5OSZ	11	24	8	192

SP – Poland

SQ9C	200	582	50	29100
SP3GHK	193	501	45	22545
SP1NQN	208	603	26	15678
SQ6CU	166	444	25	11100
SP4ICD	77	216	42	9072
SP3NYR	23	51	15	765
SP5DRE	18	54	13	702

SV – Greece

SV1BJW	567	1653	112	185136
SV1MF	214	600	71	42600

SV5 - Dodecanes

SV5/DL3DRN	371	1050	81	85050

T9 - Bosnia-Herzegovina

T92M	322	945	85	80325

TA - Turkey

TA3BN	23	69	13	897

UN - Kazakhstan

UN7MMM	421	1221	50	61050
UN2O	167	468	75	35100

UR - Ukraine

UY5TE	238	702	89	62478
UT5PY	139	399	57	22743
UT8EU	140	396	48	19008
UY1U	141	393	46	18078
UR7M	127	327	25	8175
UR4UGL	46	138	18	2484

V3 - Belize

V31HK	71	213	35	7455

VE - Canada

VE2AWR	171	504	56	28224
VA3PL	71	177	34	6018
VA2SG	28	81	16	1296
VA2RIO	22	57	15	855
VA7MJR	14	36	12	432

VU - India

AT0D	4	12	4	48

YB - Indonesia

YE1AA	168	492	38	18696
YC0NFL	31	87	16	1392

YI - Iraque

YI9QJ	26	69	18	1242

YL - Latvia

YL2PP	192	561	62	34782

YO - Romania

YO3CZW	755	2214	114	252396
YO9DBP	282	798	80	63840
YO2LXW	60	165	26	4290
YO3JW	69	168	22	3696
YO2LPC	47	138	21	2898
YO2BPZ	4	12	3	36

YU - Yugoslavia

YU1EQ	118	342	45	15390

Single Operators Mixed Mode High Power

4X - Israel

4X1VF	135	381	27	10287

DL - Germany

DL9EE	M11	1351	3972	245	973140
DJ8OG	F62	1308	3913	233	911729
DF1IAQ	P05	1378	3670	193	708310
DL3EBX	R09	970	2612	180	470160
DJ3WE	C01	1022	2370	190	450300
DL2MWB	T07	888	2234	186	415524
DF1LON	R11	736	2458	143	351494
DK7AN	W35	738	2030	160	324800
DJ1AA	H27	570	1581	155	245055
DR3S	R33	647	1620	142	230040
DL1SWB	Z87	561	1321	137	180977
DQ0A	CTDW	622	1303	123	160269
DJ6T	P04	400	1223	112	136976
DR0R	CTDW	417	1031	108	111348
DL0ZDD	Y05	570	1026	94	96444
DL8AAV	H20	334	776	98	76048
DL9DRZ	H31	297	721	95	68495

DL8DAZ	O39	204	662	72	47664
DK5IR	A22	224	544	74	40256
DL1PT	F37	180	425	64	27200
DF5BX	I37	163	381	62	23622
DH7YAX	R01	131	348	49	17052
DJ5OW	S29	133	430	33	14190
DL6RBO	U09	111	277	50	13850
DD4JC	I09	101	282	43	12126
DH1PAL	G22	88	216	46	9936
DF3TE	G22	94	226	42	9492
DG1RZD	Y02	98	213	43	9159
DL2OBO	H16	67	217	29	6293
DL2FK	P15	56	162	31	5022
DJ6OZ	E18	44	143	33	4719
DG1ATN	X30	60	150	24	3600
DL2AMD	X22	85	121	18	2178
DL2RMC	C15	21	81	21	1701
DK3UO	K23	32	72	19	1368
DB9EX	R11	17	51	12	612

EA- Spain

EC1DX	457	1311	91	119301

EK - Armenia

EK3SA	637	1881	95	178695

F - France

F4CPF	15	45	14	630

HA - Hungary

HA3NU	730	2112	109	230208
HA3AUI	168	486	62	30132

HK - Columbia

HK3AXY	50	141	31	4371

I - Italy

IK3SCB	502	1470	81	119070
IV3UHL	307	849	71	60279
I4YUG	32	96	25	2400

JA - Japan

JG2REJ	10	27	8	216
JH2BTM	8	24	6	144

K - USA

K3ZO	306	864	84	72576
K4YT	443	1260	49	61740
W2LE	250	729	53	38637

LA - Norway

LA1BNA	158	471	78	36738

LY - Lithuania

LY3CY	276	828	69	57132
LY1CM	253	672	65	43680
LY6M	28	81	22	1782

LZ - Bulgaria

LZ5AZ	262	753	52	39156

OK - Czech Republic

OK2BEN	77	222	34	7548

OM - Slovak Republic

OM4JD	632	1830	98	179340

PA - Netherlands

PA3AJW	301	864	45	38880
PA0IJM	283	795	42	33390

RA-AS - Asiatic Russia

UA9JLL	534	1554	85	132090
RA0AA	103	303	25	7575
RK9KWI	104	282	23	6486
UA9CGL	38	111	23	2553

RA-EU - European Russia

UA3QDX	1136	3327	110	365970
RA1AGL	919	2616	120	313920
RD4WA	771	2139	97	207483
RW6AN	602	1725	99	170775
UA4LU	252	735	57	41895
RA3LZ	130	360	49	17640
RZ3DH	141	387	41	15867
UA4NCI	114	339	45	15255
RX3MX	3	9	2	18

S5 - Slovenia

S53EO	1035	3012	116	349392
S56DX	68	195	36	7020

SM - Sweden

7S2AT	310	915	89	81435

UN - Kazakhstan

UN7QF	158	432	23	9936

UR - Ukraine

UU2JG	100	282	35	9870

VE - Canada

VE1MC	110	309	38	11742
VA3IX	14	33	7	231

YB - Indonesia

YC1TJ	28	78	15	1170

YL - Latvia

YL2BJ	221	624	70	43680
YL7X	178	498	60	29880

YO - Romania

YO2RR	774	2286	116	265176
YO3AK	38	111	19	2109

Z7 - Montenegro

4N6FZ	1052	3000	124	372000

ZS - Republic South Africa

ZS5ZZ	33	90	24	2160

Single Operators QRP

9A - Croatia

9A2EY	77	225	22	4950

DL - Germany

DL1ARJ	X28	831	2033	153	311049
DL3KVR	V02	603	1672	147	245784
DL6IAK	A36	498	1317	148	194916
DL6AWJ	X23	459	1065	85	90525
DL1HTX	W23	284	723	93	67239
DB6FO	Z25	212	504	84	42336
DL4HG	E38	228	650	64	41600
DL8AWK	X31	182	466	77	35882
DF1DX	O16	125	410	75	30750
DG8VE	Q08	127	369	76	28044
DL7FBG	V11	194	406	63	25578
DK5VD	Q08	114	350	69	24150
DK4CU	O12	157	343	64	21952
DL1LAW	B29	114	289	56	16184
DL8MBS	X06	111	320	44	14080
DL9GTI	V03	119	246	51	12546
DL5CL	Z85	133	312	38	11856
DL4EAX	R22	92	210	52	10920
DF3OL	H24	75	226	41	9266
DJ3GE	G25	70	190	45	8550
DL4FDI	Z54	79	190	44	8360
DL6ABB	H03	63	188	29	5452
DJ5QK	A06	87	180	27	4860
DF7LS	M09	42	111	25	2775
DC1GN	M03	41	78	13	1014
DL3BVA	Y16	18	56	17	952
DL1RNN	H24	22	56	14	784
DJ6TK	M03	17	31	9	279

EA - Spain

EA3FF	42	117	30	3510

F - France

F5VBT	322	951	80	76080

G - England

G3VGR	302	894	63	56322
G4DBW	178	507	46	23322
G4FDC	92	270	41	11070
G6CSY	47	135	29	3915

HB9 - Switzerland

HB9AYZ	51	138	23	3174
HB9QA	40	108	23	2484

I - Italy

IZ1ANK	219	516	55	28380
IZ1DGG	25	66	18	1188

K - USA

K3TW	120	360	46	16560
AE3A	38	111	16	1776

LA - Norway

LA3ZA	185	543	77	41811

LY - Lithuania

LY3BY	176	504	53	26712

LZ - Bulgaria

LZ2LE	154	438	59	25842
LZ7H	163	441	54	23814
LZ1MG	150	402	45	18090

OE - Austria

OE8NTK	256	744	78	58032

OH - Finland

OH/G4FSU	133	369	58	21402
OH2LNH	58	168	20	3360
OH6NPV	37	108	17	1836

OK - Czech Republic

OK2BWJ	236	693	59	40887
OL4W	226	669	48	32112
OK5TFC	194	576	45	25920
OK1CZ	33	99	22	2178

PA - Netherlands

PE2KP	28	69	17	1173
PG2AA	16	48	12	576

RA-AS - Asiatic Russia

RA9SO	109	324	61	19764
UA9SAW	60	177	32	5664
RK9DO	32	78	14	1092

RA-EU - European Russia

UA4FER	413	1227	86	105522
UA6LCJ	290	861	91	78351
RW3AI	222	651	58	37758
RV3DBK	130	378	49	18522
UA1CUR	111	324	51	16524

SM - Sweden

SM6CRM	200	591	78	46098
SM5EFX	52	156	23	3588

SP - Poland

SP4GFG	237	711	68	48348
SP2DNI	183	540	48	25920
SP9FWQ	65	171	30	5130
SP6LV	35	105	19	1995
SP3JUN	31	93	15	1395

SV - Greece

SV1JSB	42	120	27	3240

UR - Ukraine

UX3IB	147	381	56	21336
UX8IXX	60	123	21	2583

VU - India

VU2UR	24	60	13	780

YO - Romania

YO4AAC	196	546	69	37674
YO2LSK	103	288	51	14688

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Multi Operators

CT3 - Madeira

CT9L		819	2346	89	208794

DL - Germany

DQ4W	Z06	1913	5941	363	2156583
DL1WA	X28	1919	6003	311	1866933
DM1A	M05	1951	5920	294	1740480
DP9A	Y37	1917	5434	310	1684540
DL0XM	S41	1506	4531	297	1345707
DQ4T	F27	1629	4700	281	1320700
DD5A	V10	1582	4795	239	1146005
DM7A	S07	1404	3920	246	964320
DL0KC	B21	1242	3620	238	861560
DR6J	X22	1251	3602	236	850072
DL0GL	L03	1258	3917	200	783400
DR7T	E03	1357	3563	217	773171
DF5A	V11	1127	3274	223	730102
DF0SX	P51	1174	3289	209	687401
DA0CCC	D23	1192	3229	202	652258
DL0MBG	X16	1095	3288	194	637872
DR5C	H32	1093	3181	195	620295
DK2A	B13	1125	3011	188	566068
DK0WK	X36	1094	2966	181	536846
DK5A	X33	893	2487	190	472530
DL0VV	V07	1020	2658	164	435912
DL0SM	B14	885	2429	173	420217
DQ1V	V19	839	2109	164	345876
DL0KB	A01	753	1830	165	301950
DR5S	Q10	757	1923	155	298065
DF0RW	R17	674	1591	160	254560
DL0BLG	A52	693	1671	143	238953
DP8P	G54	665	1621	137	222077
DK0ED	C25	544	1531	133	203623
DM3B	Y14	579	1443	130	187590
DL0HOF	B09	731	1521	114	173394
DL4A	P55	536	1307	106	138542
DL0C	Y13	436	1176	117	137592
DA0CA	N41	462	1642	83	136286
DF0RM	C15	601	1148	114	130872
DK1F	L11	377	904	105	94920
DL0LSW	Y28	262	768	102	78336
DL0ERZ	S14	339	801	75	60075
DL0VX	N49	202	487	79	38473
DL0DG	L02	258	444	55	24420
DN4SB	R33	70	180	41	7380
DL0HFC	HFC	19	49	14	686

ES - Estonia

ES1A		840	2445	121	295845

HI - Dominican Republic

DL2AQI/HI9		213	636	59	37524

LA - Norway

LA3ANA		1268	3708	125	463500

LZ - Bulgaria

LZ4UU		588	1707	100	170700

OK - Czech Republic

OK8DF		689	1944	81	157464

RA2 - Kaliningrad

RK2FXG		203	570	61	34770

RA-AS - Asiatic Russia

RL9AA		356	1038	84	87192
RK9CYA		46	126	28	3528

RA-EU - European Russia

RF3A		1024	2904	112	325248
RK3MWD		888	2472	104	257088
RK3DXZ		843	2388	99	236412
RK4HYT		258	720	80	57600
RK3AWK		190	543	67	36381
RK3YWT		167	486	25	12150

SP - Poland

SP9KRT		359	1002	69	69138
SP9PZU		264	735	69	50715
SP6PCM		51	147	20	2940

UR - Ukraine

UR4EYN		73	216	40	8640
UR7IYI		118	273	24	6552
UR4PWC		42	120	30	3600

YB - Indonesia

YE1ZAT		85	243	29	7047

YL - Latvia

YL1XN		502	1395	94	131130

SWL

DL - Germany

DE2ZSA		340	799	97	77503
DE0HCS		224	498	91	45318
DH2URF		158	474	44	20856
DE3MKM		85	85	27	2295
DE2SAT		7	7	7	49

LY - Lithuania

LY4B		146	165	66	10890

OK - Czech Republic

OK1-11861		182	546	56	30576

ON - Belgium

ONL 4638		381	380	90	34200
ONL 383		17	51	11	561

RA-EU - European Russia

R3A-847		551	1159	110	127490

SP - Poland

SP3-1058		620	620	97	60140
SP-0142-JG		270	266	64	17024

UR - Ukraine

US-Q-2115		47	45	22	990

VK - Australia

VK5-398738		46	46	36	1656

Check Logs

DC3HB, DG1BQC, DH2PL, DH5MM, DK4WF, DK7NKR, DL0HAM, DL1ATR, DL1DXF, DL1KUR, DL1RWS, DL2DRZ, DL3SEM, DL3TD, DL4CF, DL4HWI, DL5MG, DL5MHR, DL6DQW, DL6UAM, DL6UOF, DL6YRM, DL7VMM, DL9CIA, DM7DX, G0IVZ, G3WKS, K9GY, OK5OK, PA3AFF, RA2FIA, RA3XDX, RA6YDX, RK6MY, RK9AX, RW9HZZ, RW9RF, SA6W, SN4L, SP1DMD, SP1GZT, SP3ASN, UA3DEE, UA9QQ, YL3FT, YO4MM, YO5IR, YO7KYA, YZ1AU, Z35G

OP of Multi Operator Stations

CT9L - AI6V, DJ6QT; DA0CA - DC2YY, DL1REM, DL3SF, DJ3QB; DA0CCC - DK7MS, DK1BN, DD3QG, DM8TBR, DD2SMA; DD5A - DK3RA, DK3LT, DK3GG, DL4SVA, DL3SUG; DF0RM - DO2ML, DO2RG, DL2MRM, DD7MR; DF0RW - DG1EAJ, DH8MB, DL9EBF, DO1ABW; DF0SX - DL5YM, DL5YL; DF5A - DL3KWF, DL5CG, DL6KWU, DL7FBG, DF7GG, DL9GRE, DL9GMN; DK0ED - DB1MUC, DJ5MN, DL4YAO, DJ5CL, OE7AJT, DH0MA, DJ1RKO; DK0WK - DL5ASE, DG0OCW; DK1F - DL9LR, DO4WA, DD4UKP, DO1CHN; DK2A - DL8NCR, DJ9AL, DL1NUA, DG1MPJ, DK5NAD, DO1MPH, DL8NAS; DK5A - DL5AZZ, DL1NUX, DK5KMA; DL0BLG - DK7DR, DF2GN, DJ7PM; DL0C - DL4SL, DL6UXL, DL8UKE; DL0DG - DG5YHZ, DL1EIC; DL0ERZ -DL2DRM, DJ5AA, DH5ABC; DL0GL - DK3QZ, DL2VB, DL3QQ, DL4YR; DL0HFC -DG3BAR, SWL ELMAR; DL0HOF - DL2GX, DL8NBO, DL9NDW; DL0KB - DJ7GS, DK6MB, DL2GBB; DL0KC - DG7RO, DL2YL, DL4NER, DL5NDX; DL0LSW - DM3ZF, DG6MIK; DL0MBG - DG5AA, DL8AKA, DL5AOL, DL1AOQ, DL1AOB, DL8AUA, DO5UWE, DL8ALU; DL0SM - DG3NEC, DJ2QV, DM3PKK; DL0VV - DL5CC, DL6KWN, DL4KWA, DL5CO; DL0VX - DF6VU, DL4YBR; DL0XM - DG0LFG, DH3WW, DL1LRM, DL3XM, DL4LQM, DL5LYM, DL7URH, DL8WBB; DL1WA - DL4WA, DH1DX, DL2ARD, DG0OKW, DL1WA; DL4A - DL4MP, DG1SFJ, DJ8KI, DL7ASL, DG2SBT, DL4ML; DM1A - DK1MM, DK1NO, DJ5MW; DM3B - DD9DAG, DK8OM, DL1BWU, DL2BWO, DL5JBW, DL7UDL, DL7VAF, DL7VRS, DM7VPM, DO2JBK; DN4SB - DG1EA, Fabian, Felix; DP8P - DB1KU, DF8SP, DJ5KP, DJ8RR, DK7KR, DL6KAC, DO1DRN; DP9A - DG1HWM, DJ7TO, DK4WA, DL5YYM, DL8DYL, DL9DRA; DQ1V - DH0BRO, DL1SWT, DL4ZZ; DQ4T - DF7ZS, DC8QT, DC8SG, DF7EME, DK9VZ; DQ4W - DK4YJ, DK9TN, DL1MGB, DL6RAI; DR5C - DO5FL, DL2NC, DL7ZZ; DR5S - DK7VW, DL7CS, DL8GT; DR6J - DF5AU, DL5AVJ, DL6ATM, DL9NDV, DJ9AO; DR7T - DL8HCO, DJ9RR, DL1HCM, DK7LKW; ES1A - ES1GE, ES1GF; DL2AQI/HI9 - DK8YY, DL4JS, DL2AQI, DL8AKI; LA3ANA - LA3ANA, DL2OE, DL8CMM; LZ4UU - LZ4UU, LZ2-002, LZ2-003; OK8DF - DL2HWI, DL9UJF, OK2PAE; RK9CYA - Dan, Toly, Pit; RF3A - RK3AW, RK3FT; RK3DXZ - RV3FD, RX3FS, RZ3FQ; RK3MWD - RW3MR, UA3MQH; RK4HYT - RA4HBS, R4H-33, R4H-36; RK3AWK - RU3BH, RZ3AFH; RK3YWT - UA3YCC, UA3YFA, RW3YW; SP9KRT - SP9ADU, SP3PL; SP9PZU - SP9WR, SQ9ZM, SP9-29020; UR4EYN - UR4EN, UR7EU; UR7IYI - Dima, Roman; UR4PWC - US-P-296, US-P-361; YE1ZAT - YD1JZ, YB1CCF, YB1KAR, YC1KAF, YE1AA;

Soapbox

DJ6BQ Very nice contest! TNX and hope cuagn in 2007! 73! DJ6BQ ex UN7RX...DK5A Bad condx on the lowbands made CQing on 40m an 80m in the night lonely. Also on the higher bands DX was rare. But the good conds on 10m made us again happy, so we could collect some multis there. We hope to break the 1000 QSO barrier next EA6/DL5DSM Tnx for the nice Contest, was a great pleasure to take part from this area. Happy abt the fb condx on 10 and 15m this weekend. Helmut IS0XDA First time for WAG. Operate with a simple dipole for 40 meters with a old vertical key ! 73' Gianni

Worked All Germany Contest 2006 – A summary

by Klaus Voigt DL1DTL

The WAG Contest 2006 is history now, congratulations to the winners. Third time is a charm: the 46th edition of this October contest was the third in a row with more than 1000 logs submitted. With 1056 logs sent in from 78 countries this means an increase by 40 logs and 9 countries in comparison to the preceding year. And the fan community of the WAG Contest is growing continously in DL and abroad. Until now many stations participated in the WAG all in all from 122 different countries.

QSL from WAG Operator Peter, DK6PW

In 2004 we started accepting E-Mail uploads to the log robot which has been used 135 times this year, about 20% less than in 2005. We received only 67 paper logs with 15% of them typed into a computer but sent in on paper. All official requests by the WAG committee for submitting an electronic logs were ignored. The number of people using this "nostalgic" form is luckily decreasing. The log checker has only additional work with this logs because they have to be typed into the computer once again. There are many people not wanting to have a computer in the shack, but if you have one and use it and still submit paper logs you should start thinking about Ham Spirit. And if you really do not own one, in most cases a friend or the next OM in your neighbourhood can put the logs into the computer or give you the appropriate support.

How was the contest running?

Wolfram, DL1RXA (sk), the "solar specialist" analyzed the contest weekend like this: "On October 19 the geo-efficiency of a coronal hole initiated very good condx during its positive phase also on Oct 21 and 22. While the conditions on the high bands were better on Oct 21 (in comparison to the following day) it was exactly the other way round on the lowbands... The propagations from North to South were excellent on Oct 21st including openings on 10m to ZS6, CS3 etc. They were supported by enormous Sporadic-E which reached untypical maxima for this time of the year at both days. Even the far East-West path shone forth on 20m contrary to the paths over the higher latitudes where the coronal hole had negative influences even on German signals which were shaken by local aurora. A little faster solar wind and the beneficial conditions would have burst like a bubble." Incidentally the WAG Contest usually has very good propagation conditions during this part of the year. The QSO numbers on the high bands especially on 10m confirm the statement of Wolfram imposingly. Of course the contest participants had very different opinions.

Matthias, DJ8OG, who was operating from the station of DJ6QT on Madeira wrote: "Unfortunately the condx were much worse than last year..." but improved his score. DG8VE states: "Worse condx than last year but I achieved almost the same score with less QSOs" (with 5 watts and two 6m wires). DK0WK had a more positive outcome: "More points than in 2005, must have to do with the better condx on the high bands, ufb condx for DL on 10m." The operators of DL0DBR are very confident: "Difficult condx on the high bands, but who cares... We are approaching a new solar cycle maximum, hi."

OK1DOL - WAG contest 2006 SO AB LP - 550 QSOs 145,200 points

Outside of Germany the situation was very difficult as well. DL5DSM from EA6: "Tnx for the nice contest, was a great pleasure to take part from this area. Happy abt the fb condx on 10m and 15m this weekend." VU3DJQ signed AT0D and wrote: "No good conditions on the first day..." and EI4CF stated: "10m was amazing on Sunday morning". Finn (OZ1HET) operating from the station HS0AC judged "Fair CDX on 15m and 20 mtr". Manfred, HZ1IK, encountered problems as well: "Unfortunately the 10m band was totally dead, 15m was very poor and 80m is not allowed in HZ." Sascha, DD1IM, became very frustrated when he realized that sometimes conditions are only good in one direction: "But I was vy astonished that mni stns called me where I couldn't copy the call and/or the number. Sri for that, dr ops. I was rather used vice versa: I often call S9 plus stns, who didn't hear me, really don't know..."

Lutz, DL5KUA, operating DL5A with “handmade” CW

Whatever the propagations were, antennas and equipment play an important role as well. Mike, 5H3EE, had "no power for many hours in the beginning of the contest and a lot of local noise on the lowbands." But he remarks also: "With 100 watts and a dipole I must have been very weak. Thanks to all those who 'digged' me out nonetheless." The crew of DA0CA had "a nice contest from the station of DL0GK in Gelsenkirchen. Unfortunately the 40m/80m antennas were not up and ready because they were scheduled for the CQWW. We will attack with full force again next year!" Yes, the WAG is the ideal contest to test your setup for the upcoming CQWW contests. And like every year Murphy was around this time visiting DF1LON who realized: "Around 2000 UTC I wanted to switch 40m but the FD4 had an infinite SWR. So no 80m and 40m at all. Instead I started very well rested into the sunday morning ;-)". Fair enough this had at least something good in it. But it was also a very tough job if you think of the 80m and 40m QSO percentage of the Top Guns. Difficult conditions suffered DK5IM also: "First contest at the new QTH with an antenna on the balcony and fair Condx". DL3BBY had a poor antenna system as well, but it still works: "Hello, it is very difficult to be heard with a magnetic loop on the balcony but the score is better than last year." The team of DL0SM writes: "For the first time we participated in the multi OP category and we are quite satisfied with our score. Joy was our primary goal and the conditions were fair. The antennas have to be improved and we will be back next year. An awesome WAG contest weekend." DL3AMA prepared his equipment very well and stated: "A wonderful contest with 24 hours stress but I love to be on the other side of the pile-up. Several new antennas and equipment paid off. The condx (for a sunspot minimum) were good enough for 1371 QSOs and 220 multipliers."

But new antennas can be tricky as well. DL3DTH moaned: "Unfortunately the new Optibeam (OB9-5) did not arrive in time for the contest so I had to stick to the R7 and the dipole." DL3YEE was a bit more lucky: "The WAG was my first real HF contest and ideal to test the new 3ele yagi.

It was much fun." The team of DR5S was also very busy: "The first contest of the newly found 'Contest Group Nordsaar' with two fresh licensed newcomers (DL7CS, DL8GT - 20 and 23 years old). Murphy was with us: The FB-73 had a loose contact and even Christian, DL7CS, who spent three hours on the mast could not solve the problem. The 80/40m vertical was flooded during torrential rains but at least it worked a little bit on 80m. We learned a lot but we are very satisfied with our first participation and we will do better next time." Good times and bad are not so far apart from each other sometimes.

Contest QTH from OK8DF - a formerly winegrowing area

Naturally computers and logging software conceal some problems also. DJ1AA wanted to try SD for the first time and wrote down a whole page of improvements after the contest. Contest participants from abroad commended the program and the submitted log files unanimously. IT9RZU wrote: "I used the SD logging program, it is very great and simple to use!" DJ4EY reported problems with DP stations in the Arcomm log. Other programs recommended by many people are UCXLog, WINTEST, RCKLog, N1MM and HAM-WAG. In any case, if you like to avoid having problems with the software you have to download the latest software version which is (in some cases) published only hours before the contest starts. But having HF on the attached hardware is not a local problem. A few starters report some anomalies during logging. The author had to reset his computer every 50 minutes because Windows98 is not willing to run for a longer period of time anymore. However, now he has got a new harddisk.

But during the WAG there were also other effects with an impact on a smooth contest operation. DC3HB writes: "Unfortunately the WAG takes place at the same time like the JARTS RTTY Contest" or DR3R: "Many thanks to all stations who called me, it was much fun! The RTTY activities splattered down to 7025 kHz of the packed 40m band. The 40m portion should be extended for next year and UCX-Log is excellent!" Usually RTTY does not collide with other modes. The situation on the 40m band is a little bit more challenging due to the small band itself. Last not least there is also the 'Jamboree on the Air', a worldwide activity of HAMs in scout organizations, on the same weekend.

Prior to the WAG some amateurs were trying to change the WAG Contest favouring the scout organizations. They demanded to "abolish" the contest, move it to another date and even "no SSB" calls were heard. The contest organizers were willing to talk but the discussion became more emotional, so a meeting was held at the Ham Radio 2006 with delegates from the scout organizations, the DARC Youth committee and the DX and HF Contest Committee of the DARC as the organizer of the WAG discussing several proposals.

The date of the WAG Contest is coordinated within the IARU Region 1 so moving it to another weekend is not possible. The same applies if you want to split the two modes to two weekends. Cancelling the SSB part would run contrary to the international changes if you keep the falling CW barriers on the HF bands in mind. Totally cancelling the whole contest would be an affront to a part of the active and committed amateurs. One solution to reduce possible collisions between contest and JOTA stations was to introduce new contest free band segments. Practically we noticed that a few minor changes have to be made to not exclude some radio amateurs from the contest.

V31HK worked with a Spiderbeam

And how did the contest participants experienced the situation? Two examples: DF5A writes "Equipment was running fine and conditions were ok. Unfortunately we had intensive 'collisions' with several JOTA stations who disturbed us heavily and referred to 'fixed' JOTA QRGs coordinated with the DARC. However we made many QSOs with JOTA stations! See you in the next WAG Contest!" CT9L: "...Where did the scouts stuck to their agreements? Whereever WAG stations were making QSOs the scouts were there as well. It cannot be possible that some rules only apply to one group." It is very sad that some amateurs cannot see the efforts of the representatives of the scouts and the DARC.

Philippe, F1TRE, his equipment in WAG 2006: FT847 - FD4 und GPA 404

The WAG is a good possibility for newcomers to enter the field of contesting or to improve your abilities. DL1DUO states "The many DO stations on 80m were a real surprise and enrichment to the contest. Excellent! Keep it up!" or DL7ACN: "I have trained a little CW during the WAG which was great fun. I hope it was not too slow for the others :-)" DO1UZ wrote that this was his "first contest as a DO station with 50 watts on 80m, 15m and 10m." DO1YCL: "My first HF contest, unfortunately only on 80m and 15m but with great fun. Thanks to all calling stations." DN4SB was operated by two ten year old students guided by an instructor and they logged 70 QSOs. Congratulations!

With 1056 logs from 78 countries the worldwide acceptance of the WAG contest is still increasing. Almost 272.000 QSOs were made and 70,44% of them could be checked electronically with the logs sent in. Though there were 20.000 QSOs less than last year the rate of confirmed QSOs increased by 2,5%. This may be a result of increasing usage of computers and internet with amateur radio. Only a few hours after the contest almost 20% of the logs were received by the log robot. Due to better software the quality of the submitted logs became much better during the past years. Logs in the two main formats (STF and Cabrillo) represent 90% of all logs. However there are still about 5% of HAMs who ignore the contest rules and submit their log in Word, Excel, ADIF, PDF or other file formats. To include these logs as well is always an extra time effort for the log checkers which should be made by the contest participant himself.

This year we found 6842 different callsigns from 149 entities (2005: 115) in the logs including 2700 German calls.

The number of unique callsigns was the same like last year about 2300. 740 stations (370 DLs) took part in the contest more or less (at least 20 QSOs) but submitted no log.This includes stations with more than 600 or 700 QSOs! While the two CW and the QRP categories saw an increasing number of participants the numbers in the mixed and SWL categories are declining. The multi operator participants did not change significantly.

YB0DPO, SOAB-LOW CW

What else was noticeable?

A few QSO points had to be deleted because the affected OMs apparently had problems in copying the morse code or spoken words. Instead of working OS5N from Belgium many people logged a Finnish call – OH5N. Or 4N6FZ from Montenegro became the Polish station SN6FZ though Toby was working in German language to avoid a pile-up from other stations. In CW there remains the old question to be answered: Was it a copying error or a transmission error? After connecting computers to amateur radio transceivers the risk of sending bad morse code has been reduced very much. Other problems occur when using power amplifiers which tend to swallow the first bit of a transmission. Very important: Listen carefully and ask again if necessary! In other contests there are additional points deducted from the score for copying errors!

One typical mistake which should not appear anymore with normal computer keyboards is the usage of 'T' instead of the number zero. Many foreign stations where counted as DL which costs valuable QSO points. Another error occurred while logging SK0HS/0 who was operating in phone as "SK0HS portable zero" when many HAMs moved the Swedish station to North Korea and logged SK0HS/P0 – QSO point lost. Multi operator stations like to ask to QSY to another band for a new multiplier. This is totally fine but tough to swallow if the other guy forgets to change the bands in the log. Unfortunately this is a very common mistake.

Using the spots of DX clusters is not forbidden in the WAG Contest since it is not possible to check this reliably. "Self spotting" (spotting yourself in the DX cluster) is not illicit but frowned upon like in all international contests. A query to the main DX clusters after the contest makes it very easy to find out who tries to take advantage in this manner. Only a few participants annoyed others by doing so.

Some of the antennas from the DL0GK station

The usage of special DOKs in the contest played a significant role again with all its consequences. There still are some logging programs which cannot handle DOKs with more than four characters and traditionally they are also causing confusion to some fellows on the bands. There are many participants who recognised that using a special DOK in a contest is not always an advantage but may lose you much time when repeating it again and again. Some even say: "Never again I will use a special DOK in a contest!" The same applies to "exotic" calls: A one-letter-suffix may increase your speed but more than three letters in the suffix or multi-digit numbers are causing trouble for sure!

Multi OP station, DR3R – Operator DL3BWG

Meanwhile there are logging programs (e.g. UCXLog) which log more than the usual four digit DOKs but every contest participant is responsible for himself to look upon his log and correct possible errors after the contest. Since the contest organizer is aware of the problems with the logging software nobody got his QSO deleted when at least the first four digits of the DOK were logged correct.

Altogether we appreciate the outcome of the WAG 2006 very much. The DARC is very happy to welcome so many new HAMs who took part for the first time and incorporated this contest with exaltation like the 289 DO and nine DN stations. Some people believe the WAG Contest is an essential part of the contest scene and use it as a "warm up" for the following two biggest contests during a year. Others test and optimise their setup or simply enjoy meeting German HAMs on the bands.

See you in the next Worked All Germany Contest on the weekend of October 20/21, 2007.

(translation: Bob, DL7VOA)

Worked all Germany (WAG) Contest – Suitable Logging Software (Freeware)

Following software is supporting this contest (by manufacturer declaration). If you want to announce your or other logging-software (also for other DARC-contests) or you want to make remarks about the listed software, please mail to Klaus, dl1dtl@dxhf.darc.de or Mathias, dl4mm@dxhf.darc.de .

The **N1MM Logger** is a freeware program designed to do contest logging and some general logging. It is not a general logging program with award tracking etc. but it is mainly a contest logging program.
Download: http://pages.cthome.net/n1mm/

LM by DL8WAA is a Post-Contest Editor. Download: http://contestsoftware.com

Writelog Contest Modules by Carsten DL1EFD Download: http://www.dl1efd.de/ (only working with commercial Software Writelog by W5XD.

Super Duper by EI5DI
SD V11.04 has been released to fully support both sides of the Worked All Germany (WAG) contest. Download: http://www.ei5di.com Setup information from SD website : http://www.ei5di.com/sd/setup/wag.html

WAG Diplom

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