

## Results of the

# 1965 CQ World Wide DX (C.W.) Contest

BY FRANK ANZALONE,\* W1WY

**W**E had high hopes for this one. Wasn't the sunspot cycle on the upturn, hadn't the 10 meter band opened up during the Phone contest, and hadn't George Jacobs predicted at least normal conditions?

Actually W3ASK had also forecast possible below normal conditions for part of the weekend, so that takes George off the hook.

The 10 meter band never did open up, 15 was spotty and 20 once again had to carry most of the load. However 40 proved to be quite productive and 80 showed surprising activity. Those that were equipped for 160 picked up some valuable multipliers.

Of course there are always the exceptions who come up with fantastic scores while the rest of the world is moaning. All in all however, conditions were not up to expectations and far below those we had the previous month in the Phone section.

This was the year of the dit, dit, dit, dit, dit; da dit, da dit. Why send a long double nine when a couple of short n's will do the trick. Who started this anyway? It sure caught on like wild-fire.

This was also the year that the CX2CO domination was finally broken. And by who else but Don Miller, with a lush location out in the Pacific, where long path openings showed up on most of the bands and the added attraction of a VR2 prefix made it possible for a single operator to break the 2 million level. Ricardo did not have the fine band openings he experienced a month earlier and his score was far below his

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Multi station OK3KAG with Laco and Jurco in one of the operating positions.

### TROPHY WINNERS

**Single Operator, All Bands, U.S.A.**

North Jersey DX Association Trophy  
won by Victor C. Clark, W4KFC

**Single Operator, Single Band. (14 mc)**

K2HLB, Dr. Harold Megibow Trophy  
won by Sonia Rotenberg, PY2SO

**Single Operator, All Bands.**

W9IOP, Larry LeKashman Trophy  
won by Don Miller, VR2EW

**Multi-Operator, Single Transmitter**

W3AOH, Dr. Anthony Susan Trophy  
won by ET3USA, Kagnev Radio Club  
(Operators: K4FMA, K9UIW, others)

**Multi-Operator, Multi Transmitter**

Radio Club Venezolano Trophy  
won by Station W3MSK  
(Operators: W3MSK, W3EIS, W3FYS,  
W3PZW, W6HOH, K1ANV, K3EST,  
K6BHM)

**Multi-Operator, Multi Transmitter**

CQ Endorsement, World High Score  
won by Station K2GL  
(Operators: K2GL, K2DGT, K2UYG,  
W1GYE, W2GLM, W2IWC, W6KFV,  
WB2MFX)

**World High Club Score**

CQ Club Plaque  
won by the Potomac Valley Radio Club

Phone winner, Don took full advantage of the hot band openings at the Fiji's and was on the air the full 48 hours of the contest.

7G1A was manned by the same Josef Plzak that won back in 1959.

Our own Vic Clark went all bands for the first time since 1961 and W4KFC has finally become a Trophy winner. Vic can always be expected to turn in a fine performance, and this year's effort was one of his best.

Another first this year was the winning of a Trophy by a YL, Sonia Rotenberg, the da dit, da dit, gal from Brazil. PY2SO is not only at the top of the 14 mc list but this also represents the highest single hand score in the world. Sonia would have us believe that some of the credit should go to the OM, Jose who not only took care of the kids but also kept her supplied with sandwiches and coffee. Congratulations Sonia.

Now who would ever expect the world high 7 mc score to come from the Canal Zone. But there it is at the top of the list, KZ5TW. Too bad the Israel Amateur Radio Club has not followed up its Trophy donation that they originated a few years ago.

Which brings up the point, that a favored

geographic location is not always a contest winner. This year's winners more than ever show that so called favored areas eventually meet their match from unexpected areas. That is why we hesitate in making any changes in the scoring.

In the Multi classification, single transmitter honors were taken by ET3USA, making it a double for the boys of the Kagnev Radio Club, since they were also winners in the Phone section.

Larry Amodeo and the crew at W2PCJ with the aid of their "co-axial monster" made high score for the U.S.A. a very nice effort. This division makes it possible for a station to roll up a good score without having an elaborate lay-out. We wonder why stations out for a Club total don't make more use of this classification.

In the Multi-Multi category, K2GL retained the "Big Guns" championship, and Buzz Reeves and his crew turned the tables on Ed Bissel and the W3MSK gang who had edged them in the Phone contest. The Trophy however does go to W3MSK since K2GL was not eligible because of their win last year. They will however get an endorsement, an engraved plate for the base of their 1964 Trophy.

The YV9AA crew again made their safari deep into the interior, to the same location used on previous operations. However they ran into many problems and could not duplicate their Phone success. One problem was the interaction between bands. It seems their antennas were geared for phone operation.

The Frankford Radio Club got a shot in the arm; they now have a "Big Gun," who placed 4th in the world standings. "Sig" promises even bigger things for W3WJD next year.

The CQ Club Plaque once again goes to the Potomac Valley Radio Club by a comfortable margin. The Frankford organization more than doubled their last year's score. We thought they were going to make it this year because they had the most entries of all the clubs. However they still lack those real big scorers.

The Radio Club Venezolano had it in the bag with the YV9AA contribution both on phone and c.w. and other club members in the phone contest, but their activity in the c.w. contest was almost nil and for the lack of a key the Plaque was lost. Bet there is going to be lots of code practice down Caracas way.

We found it necessary to disqualify some entries, a few with very high scores (3 percent duplicate rule put into effect this year). It's understandable that in the excitement of contest operating, some duplicate calls will appear in your log, although a running check list will minimize this problem. However it is the obligation of the contestant to thoroughly check his log before submitting it, and all duplicates crossed out. We prefer seeing a log in its original form showing these deletions and also any other corrections. But we do demand that this is done, and not left up to the log checker, he has more than enough other work to do. And if he runs across these duplicates and other discrepancies we will be in no mood to be lenient.

STATION	BAND	CONTACTS	ZONES	COUNTRIES	POINTS
K2GL 2,013,448	1.8	21	8	11	38
	3.5	176	22	54	497
	7.0	52	29	91	1527
	14	674	34	113	1992
	21	319	29	90	916
	28	18	8	7	18
TOTAL		1729	130	374	4987

W3MSK 1,956,801	1.8	17	7	11	38
	3.5	128	19	43	335
	7.0	295	29	85	829
	14	703	37	117	2015
	21	315	28	85	905
	28	9	6	6	15
TOTAL		1467	126	347	4137

YV9AA 1,665,208	1.8	13	5	7	31
	3.5	230	14	27	492
	7.0	471	15	37	1320
	14	1074	28	64	3035
	21	503	20	45	1441
	28	36	8	12	92
TOTAL		2336	90	192	6614

W3WJD 1,219,074	1.8				
	3.5	212	21	55	555
	7.0	219	27	68	607
	14	512	32	98	1476
	21	148	23	64	413
	28	5	5	5	12
TOTAL		1096	108	290	3063

W4KXV 1,199,512	1.8	15	5	6	20
	3.5	83	16	36	222
	7.0	232	29	82	666
	14	542	33	98	1583
	21	162	26	69	455
	28	6	3	3	6
TOTAL		1040	112	294	2952

W6RW 1,169,625	1.8	4	3	3	6
	3.5	84	19	28	214
	7.0	343	34	76	992
	14	464	35	93	1305
	21	205	24	47	578
	28	11	7	6	24
TOTAL		1111	122	255	3119

#### Top Six, Multi-Operator, Multi-Transmitter.

Activity from the rare Faroes showed up in the operation of the club station OY6FRA. And the special call IØFGM, issued in commemoration of the 70th anniversary of the first radio telegraphic transmission, and sponsored by the Fondazione Guglielmo Marconi, was again activated.

A few DX-peditions and operation from rare spots added spice and excitement to the contest, namely, HV1CN by W9IOP, W9AC and W8DUS; Ebon Atoll, KX6SZ, by Iris Colvin on the Yasme DX-pedition; and Fernando de Noronha by PY7ACQ. Bruce Henke ended his European tour with a final fling to San Marino before returning home to W6JFJ. This trip, assisted by G3IRK in putting M1N on the air is a story in itself. A more leisure type trip was the one to St. Vincent's made by K1IMP and W1BPW in putting VP2SY on the air.

We are pleased to see the overall increase in the returns from the United States, thanks mostly to the increased clubs activity who are finding our contest a real exciting week-end. But only 6 entries from the 5th district is rather ridiculous. Especially when CX2CO's log showed over 30 and VR2EW's log over 50 W/K stations from the 5th district. We appreciate hearing from stations like KR6DB who said, that even though he had a low score because of limited time he felt it was his obligation to submit his log to show his appreciation for the work done by CQ in organizing a contest that has such world wide participation. Louis will answer all cards sent via the KR6 bureau.

STATION	BAND	CONTACTS	ZONES	COUNTRIES	POINTS
VR2EW 2,499,535	3.5	101	19	36	287
	7.0	514	27	54	1,441
	14	834	34	95	2,391
	21	757	34	73	2,146
	28	29	12	12	79
TOTAL	2215	126	268	6344	

CX2CO 1,259,270	3.5	13	7	10	26
	7.0	191	18	30	558
	14	673	32	71	1,984
	21	563	23	57	1,668
	28	68	15	20	189
TOTAL	1508	95	188	4425	

7G1A 1,079,049	3.5	19	6	6	55
	7.0	406	20	43	1,200
	14	303	26	59	1,089
	21	870	27	64	1,955
TOTAL	1478	79	172	4,299	

KH6EPW 920,142	3.5	106	9	9	324
	7.0	291	19	25	866
	14	834	32	49	2,474
	21	364	20	25	1,078
	28	4	3	3	6
TOTAL	1599	83	111	4,748	

W4KFC 847,314	1.8	6	3	3	8
	3.5	104	16	37	293
	7.0	209	24	68	598
	14	404	31	89	1,192
	21	114	21	55	320
28	2	2	2	3	
TOTAL	859	97	254	2,414	

STATION	BAND	CONTACTS	ZONES	COUNTRIES	POINTS
W3GRF 670,275	1.8	4	2	3	4
	3.5	69	15	35	197
	7.0	214	25	60	606
	14	299	29	80	866
	21	128	20	57	359
	28	3	3	3	6
TOTAL	717	93	238	2025	

W4BVV 668,150	1.8	4	3	3	6
	3.5	48	14	27	128
	7.0	136	27	68	385
	14	326	31	86	916
	21	150	25	55	429
28	6	5	6	15	
TOTAL	670	105	245	1,909	

SM5BLA 643,200	3.5	212	12	54	263
	7.0	215	25	64	478
	14	480	26	63	1,060
	21	158	22	54	209
TOTAL	1065	85	235	2,010	

UB5WF 529,058	3.5	226	10	41	281
	7.0	162	24	62	310
	14	365	26	55	932
	21	113	25	48	295
TOTAL	864	85	206	1,818	

W6ITA 510,440	3.5	33	15	16	79
	7.0	196	27	53	552
	14	283	30	71	801
	21	132	22	39	385
	28	4	4	3	6
TOTAL	658	98	182	1,823	

### Top Ten, Single Operator, All Band Category.

We received 1341 logs for this section of the contest, a figure slightly higher than last year's total. However when you add this to the 908 received in the phone section, which was quite an increase over last year's, we have a grand total of 2249, our best showing yet. A total of 678 certificates will be awarded this year, 369 for c.w. and they will go to 116 different countries.

Awards to Australia will be made by call areas instead of Zones as previously announced. Canadian awards will be restricted by Zone boundaries and will remain that way; unless our friends across the border can rattle up a little more activity.

It would have been impossible for us to do our job this year without the help of the two

new members to our Committee, Andy Bodony, WB2CKS, and Fred Capossela, W2IWC. These two took on a major portion of the work and their contribution was invaluable. Of course the old standbys, Ben Lazarus, W2JB and Andy Malashuk, W1GYE were not exactly idle, and I did not spend my spare time looking at TV at night or my week-ends on the air chasing DX.

Our thanks too of course to the crew at CQ, Marcia, Al and Dick. And let's not forget Ellen White at QST who faithfully forwarded those logs that somehow found their way to 225 Main Street. And while we are on contest matters, to Bobby Plomitallo who again will be typing up all your certificates. That's about it for this one.

73 for now, Frank, W1WY

### Foreign Club Scores

Radio Club Venezuela	8,826,147
Uruguay DX Club	3,350,583
Kagnew Station A.R.C. (Ethiopia)	2,294,155
Radio Experimentadores de la Baja Cal.	2,091,764
Swiss DX Club	1,837,408
OH-DX-Ring-Ry (Finland)	1,610,946
Moscow Radio Club (USSR)	1,378,923
Lvov DX Club (Ukraine)	1,172,470
Far East DX-ploiterers (Japan)	1,070,985
Cuenca Radio Club (Ecuador)	1,061,070
Turun Radioamatöör Ry (Finland)	752,710
Deutschen Demokratischen DX Club	733,429
Kaunas Polytechnic R.C. (Lithuania)	644,186
SP DX Club (Poland)	485,166
Royal Air Force, Troodos A.R.C. (Cyprus)	463,267
Central Radio Club of Hungary	418,992
Carswell Amateur Radio Club (Guam)	304,160
Hammarbyhojdens Wireless Society (Sweden)	215,042
Japan DX Radio Club	198,733
Khazkov Radioclub (Ukraine)	156,552
Radio Club of Tallinn (Estonia)	135,592
Pirmasens Amateur Radio Club (Germany)	125,928
Cheltenham Amateur Radio Soc. (England)	123,354
Bremerhaven Amateur Radio Club (Germany)	106,400
Vasteras Radio Club (Sweden)	95,635
QRJ Radio Club (Japan)	71,092
Chiniak Amateur Radio Club (Alaska)	70,875
Shezuoka Radio Club (Japan)	58,395
Sir George Williams Univ. A.R.C. (Can.)	54,188
Kiskoon Radiokerkto Ry (Norway)	21,296
Goose Bay Amateur Radio Club (Canada)	19,592
Leningrad Radio Club (USSR)	18,631
Nec. Fuchii Amateur Radio Club (Japan)	13,359

### United States Club Scores

Potomac Valley Radio Club	10,204,542
Frankford Radio Club	8,854,874
Northern California DX Club	2,834,960
Southern California DX Club	2,678,080
Florida DX Club	2,573,554
128 Contest Club. (Mass.)	1,609,054
North Jersey DX Association	1,185,870
Orange County DXCC (Calif.)	836,729
Royal Order of Boiled Owls (N.Y.)	769,834
Tiajuana Tigers (?) (Calif.)	726,131
Ohio Valley Amateur Radio Ass'n.	679,967
Rochester DX Association (N.Y.)	434,055
Detroit Amateur Radio Association	329,072
Willamette Valley DX Club (Ore.)	306,452
QCWA DX Club of New York	274,322
Morris County Radio Club (N.J.)	241,968
Suffolk County Radio Club (N.Y.)	198,414
Southeastern DX Association (Ga.)	190,518
Western Washington DX Club	185,423
Catalpa Amateur Radio Society (Mich.)	145,116
Louisville Active Radio Operators (Ky.)	138,233
West Gulf DX Club	131,154
Long Island DX Association (N.Y.)	102,857
Keesler Amateur Radio Club (Tex.)	96,066
Warner Robins Amateur Radio Club (Ga.)	73,801
Central Michigan Amateur Radio Club	54,600
York Radio Club (Ill.)	52,328
Northwest DX Club (Wash.)	45,899
Lawdale Chicago Boys Club (Ill.)	33,616
Virginia Century Club	30,342
Hamfesters Radio Club of Chicago	28,196
Central Illinois Radio Club	25,984

## Top Ten

### ALL BAND SINGLE OPERATOR

VR2EW - 2,499,536

CX2CO	1,252,275	W3GRF	670,275
7G1A	1,079,049	W4BVV	668,150
KH6EPW	920,142	SM5BLA	643,200
W4KFC	847,314	UB5WF	529,038
W6ITA	510,440		

## Top Six

### MULTI-OPERATOR SINGLE TRANSMITTER

ET3USA	1,071,312	W2PCI	769,834
UA3KAS	990,943	EL2AE	740,691
ZD8AR	844,662	WA5BO	726,131

## Top Six

### MULTI-OPERATOR MULTI-TRANSMITTER

K2GL	2,513,448	W3WJD	1,219,074
W3MSK	1,956,801	W4KXV	1,198,512
YV9AA	1,865,208	W6RW	1,169,625

Bold stations are trophy winners.

## U.S.A. Winners & Runners-up

All Band	W3BES	462,647
28 Mc	WA4WIP	408
21 Mc	W3TLN	42,021
14 Mc	W1JYH	172,900
7 Mc	W5WZQ	82,176
3.5 Mc	W1HKK	20,212
1.8 Mc	W2EQS	451

## Continental Leaders—Single Band

21 Mc	DJ5BV	90,810	
ZS61W	440,213	W8FGX	83,634
OD5LX	82,992	JA6AK	48,076
G3HCT	80,276	VK2GW	34,706
VK4EL	80,178	YV5BMN	17,064
W8WZ	49,098		

### 14 Mc

PY2SO	473,156	DJ3KR	46,130
9J2VB	317,044	W8NBK	20,800
VK3ADB	295,596	UL7CG	20,253
W7YGN	198,320	VK3XB	1,034
KA5RC	188,279		
DL2DK	183,022		

### 3.5 Mc

W1BB/1	2,520
VE2UQ	2,275
G3IGW	1,760
DL1FF	1,746

### 7 Mc

KZ5TW	156,456
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Number groups after call letters denote the following: Band, (A-all); Final Score; Number of QSOs; Zones and Countries. Certificate winners are listed in bold face.

# C. W. Results

## SINGLE OPERATOR

### North America

#### United States

K1HVV	A	238,896	368	69	147
W1WV	A	136,528	243	72	140
W1LJK	A	101,368	238	58	114
W1EZO	A	87,914	181	40	86
W1B1H	A	43,956	117	47	85
K1LMS	A	18,860	87	29	53
W1FTM	A	4,752	44	17	27
W1PLJ	A	3,665	30	20	23
K1VTM	A	1,881	22	11	19
K1DAT	21	22,950	108	22	53
W1JYH	14	172,900	454	32	98
WA1ANR	14	15,572	79	22	46
W1WAI	7.0	54,990	207	25	69
W1HKK	3.5	20,212	119	19	43
W1SWX	3.5	541	21	7	10
W1BB/1	1.8	2,520	43	6	15
W2AJD	A	173,270	291	71	144
W3WZ	A	79,100	194	10	100
W2LQP	A	54,870	160	10	78
W2GKZ	A	30,820	98	47	68
W2HLL	A	25,448	154	41	73
W2HDDW	A	22,428	95	28	56
W2IWP	A	18,334	75	25	54
W2DOD	A	14,282	67	29	45
W2AEPN	A	7,056	41	21	39
W2JB	A	4,788	42	16	26
W2AKIZ	A	1,870	21	13	21
W2BLWE	A	1,330	17	11	16

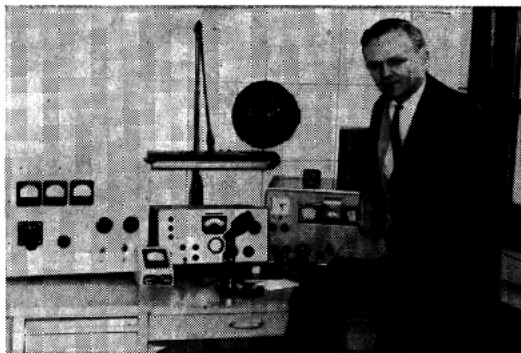
W2LYO	A	841	18	12	17
W2AZEZ	21	24,080	100	23	63
K2GXI	14	132,730	350	32	98
W2TOR	14	128,954	362	31	91
K2RHZ	14	96,034	286	34	84
K2ZWI	14	85,224	282	29	77
WA2MTI	14	46,620	184	22	68
W2CRX	14	22,608	110	26	46
W2SZ	14	10,325	100	8	27
W2R8SR	14	9,180	73	13	32
W2CKR	14	8,955	71	16	29
W2CGGO	14	3,392	36	9	23
W2HAZ	14	735	16	6	15
K2LTY	7.0	19,642	116	18	43
K2KFP	3.5	5,530	56	11	24
K2CPR	3.5	2,156	31	9	19
WA2UWA	3.5	528	17	4	7
W2EQS	1.8	451	20	4	7

W3GRF	A	670,275	721	93	238
W3BES	A	462,647	555	85	208
W3LOE	A	389,276	439	98	219
W3MFW	A	371,400	431	88	214
W3MSR	A	289,800	449	75	155
K3NHL	A	226,839	322	79	170
W3MCG	A	196,174	288	76	165
W3MWC	A	180,440	307	57	129
W3ATY	A	156,996	278	45	131
W3KAT	A	154,160	200	62	136
K3ALI	A	108,064	228	57	119
W3GYZ	A	104,850	250	51	99
W3BQL	A	103,507	222	58	111
W3EQE	A	98,748	222	53	103
W3EYV	A	97,637	216	50	113
W3PN	A	87,912	268	49	99
W3YLF	A	80,670	178	62	108
W3KDF	A	73,668	180	50	94
W3GRS	A	65,296	203	34	78
W3QMC	A	62,274	174	50	80
W3NOH	A	59,882	122	54	104
W3KA	A	58,240	137	40	81
K3RNS	A	26,038	141	20	44
W3ISE	A	14,129	71	29	42
W3CAA	A	13,038	87	15	38
W3DRX	A	12,896	72	33	49
W3N1H	A	12,496	63	25	46
W3FBE	A	7,560	58	13	32
W3GHD	A	5,489	49	21	35
W3DRD	A	5,200	37	17	23
W3AEEQ	A	3,882	31	19	25
W3ACVM	A	720	17	13	11
W3TLN	21	42,021	171	25	62

W3MFI	21	37,914	153	25	61
W3AFM	14	165,510	416	32	103
W3YUW	14	161,200	429	33	97
W3AYS	14	53,700	185	26	74
W3CGS	14	43,311	128	41	78
W3BYX	14	36,223	141	26	63
W3PVZ	14	16,408	88	19	49
K3JGJ	14	15,180	76	30	39
W3AELN	14	13,860	89	17	38
K3AIG	14	12,210	81	17	38
W3ABTA	14	2,465	31	9	20
K3UZY	14	722	14	7	12
W3KFF	7.0	9,933	81	13	30
W3TVH	7.0	8,792	59	19	37

W4KFC	A	847,314	839	97	254
W4BVV	A	668,150	670	105	245
W4BJ	A	373,081	403	72	155
W4BFA	A	240,238	376	73	153
K4BAI	A	269,517	335	79	152
K4EZ	A	150,518	317	70	156
W4ALCU	A	152,342	268	71	140
W4LVV	A	95,635	295	50	107
W4GF	A	64,670	150	44	101
W4PTR	A	58,896	153	52	92
W4YDD	A	52,418	163	40	127
W4MVR	A	30,458	105	35	62
W4WBC	A	26,663	111	33	58
W4ZSH	A	24,361	92	28	63
W4DRK	A	20,271	77	36	57
K4KBW/4	A	14,931	68	50	49
K1GUD/4	A	7,952	54	21	35
W4A4WIP	28	408	18	9	8
W4A0A	21	30,342	176	22	56
W4AGCS	21	22,620	110	22	56
K4INS	21	17,408	162	23	45
W4HGW	21	9,660	59	21	39
W4NTE	21	6,529	15	21	32
W4RKY	21	4,810	45	11	26
W4D0T/4	21	510	13	7	10
W4NYZC	21	495	15	7	8
W4YGY	14	108,141	339	29	84
K4PDD	14	68,688	225	26	80
W4VAP	14	210	8	6	8
K4LUD/4	7.0	38,232	193	23	49
K4YFQ	7.0	25,025	112	24	53

K5JVF	7.0	14,820	84	22	43
W6ITA	A	510,440	655	98	182
W6AGGW	A	307,306	545	95	164
W6WX	A	271,064	400	91	157
W6KUT	A	171,302	311	73	122
W6LDD	A	169,022	278	85	128
W6N1N	A	160,720	293	78	127
W6LXC	A	150,110	312	67	103
W6ERS	A	123,670	263	65	101
W6GRX	A	120,582	242	70	104
W6ISQ	A	107,813	286	47	84
W6HR	A	95,375	192	62	113
W6PQT	A	80,690	188	63	97
W6LDA	A	73,920	178	61	93
K6BWX	A	48,240	140	56	64
W6IFVN	A	46,644	184	46	46
K6HOR	A	44,370	153	44	58
W6AIQM	A	37,054	139	40	57
W6KHS	A	34,691	108	47	66
W6GVAT	A	33,480	131	36	57
K6PJT	A	27,520	104	38	48
W6HJK	A	22,933	114	31	40
W6WAV	A	21,804	120	32	37
K6SSJ	A	15,796	77	33	39
W6HPL	A	15,276	85	29	28
W6B1H	A	14,040	61	33	32
W6QDE	A	11,664	75	24	50
W6GEUZ	A	10,561	68	27	52
W6BEQY	A	9,050	83	21	22
W6B1H	A	6,837	50	26	27
W6B1H	A	6,578	52	20	26
W6JFV	A	5,358	40	21	26
W6CLM	A	4,464			



KA5RC—Bob Cleve is now signing HS1RC on 20 meter s.s.b. and c.w.

K6BPR	3.5	9,890	90	18	25
WA6GLD	3.5	2,295	32	13	14
W6JTB	1.8	99	18	5	4
W7AYX	A	67,500	206	52	73
W7MXX	A	53,580	196	41	54
W7LNG	A	15,996	95	39	47
WA7CGR	A	12,854	81	28	30
WA7BOA	A	1,225	17	11	14
W7YGN	A	198,320	478	39	109
K7ADL	14	71,094	240	33	69
WA7ABW	14	50,864	203	27	61
W7LVI	14	45,899	199	26	53
W7RQN	14	43,850	208	24	51
W77DK	14	19,329	112	23	38
K7CAD/7	14	12,100	89	20	35
W7VRO	14	6,401	65	13	21
W7MVC	14	1,038	25	10	14
W7JLU	7.0	9,006	86	17	21

W8DGP	A	135,744	232	84	140
K8YSO	A	1,247	19	14	15
W8WAM	A	120	9	8	8
W8WZ	21	49,098	180	28	70
K8YDV	21	40,392	147	20	73
W8RXY	21	54,600	211	26	65
W8YCI	14	50,694	176	28	74
W8W	14	36,640	150	26	58
K8SWE	14	25,191	105	22	59
W8WGUN	14	22,160	97	24	56
W8DVT	14	11,410	60	27	43
W8FGX	7.0	83,634	285	30	71
W8ZCK	7.0	36,292	149	25	61
K8SMK	7.0	608	12	8	11
W8NBK	3.5	20,800	126	20	45

W9IOP	A	312,666	459	83	163
W9EWC	A	183,920	343	69	121
W9RQM	A	70,176	179	46	90
W9LQ	A	43,748	162	25	67
W9HJM	A	16,728	95	34	48
W9GYZ	A	13,578	70	28	45
K9DWG	A	8,378	55	25	36
W9ZTF	A	4,304	39	20	28
W9ZTD	21	36,279	155	25	62
K9PPX	21	15,870	84	24	45
W9AQW	21	12,342	70	22	44
W9LKI	21	2,886	32	13	24
K9CSW	14	93,834	288	31	86
K9ECO	14	84,360	269	30	81
K9DDR	14	64,582	230	29	69
K9ZEL	14	48,076	168	30	71
W9SCZ	14	36,984	160	27	65
K9YTB	14	33,616	135	26	62
W9VL	14	18,559	96	26	47
W9LHH	14	7,850	37	23	30
K9YQK	14	4,620	41	15	27
K9BHG	14	984	17	9	10
W90HH	7.0	10,206	66	18	36
W9WJ	3.5	10,854	76	17	37
W9PNE	3.5	5,187	60	13	26

W9AIH	A	397,590	504	94	196
W9KAW	A	57,120	153	52	84
W9GNX	A	55,664	155	56	86
W9KDI	A	23,716	88	38	60
K9YIP	A	3,034	28	19	22
W9WJE	A	2,773	31	15	18
K9YIZ	A	1,988	28	14	14
K9CER	21	4,193	34	20	27
W9QMD	14	27,450	113	27	63
K9MPL	7.0	255	8	8	7

VE8BB	A	48,258	363	29	34
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VE7BDJ	A	81,738	324	56	58
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VE3ES	A	100,500	286	42	92
VE3NE	A	41,625	133	37	74
VE6VO	A	3,150	37	13	17
VE3FID	14	29,546	134	23	56
VE3BMB	21	3,660	52	12	18

VE2ATU	A	72,120	237	44	76
VEITG	21	37,760	267	20	44
VE2WA	14	54,194	200	26	72
VE2UQ	1.8	2,275	83	6	7

KZ5TW	7.0	156,456	864	24	58
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CO2B0	A	304,616	1270	48	68
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H18XAL	A	327,420	833	56	124
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6Y5XG	A	27,440	176	32	38
6Y5BB	7.0	17,685	325	12	15

XE1FFU	11	644	61	4	3
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HP1IE	A	33,805	280	32	33
HP1AC	14	3,840	133	14	14

9Y4VU	A	4,025	61	12	11
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VP5AR	14	153,145	619	29	80
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### AFRICA

CR6A1	A	66,654	205	43	83
CR6E1	A	17,550	192	33	36
CR6DX	21	88,644	342	27	62

EASEY	Canary Islands	A	2,352	29	9
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9G1GF	Ghana	A	315,828	821	47	77
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7G1A	Guinea, Rep.	A	1,079,049	1478	79	172
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EL2Y	Liberia	14	8,440	79	16	24
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5A3TX	Libya	A	437,524	833	53	125
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5R8AM	Madagascar	14	26,730	120	20	46
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CR71Z	Mozambique	A	183,750	458	54	93
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9Q5PA	Republic of Congo	A	111,860	454	34	51
ZE31J	Rhodesia	A	151,404	397	47	85
ZE31O	A	53,616	178	37	58	
ZE4JS	21	152,592	522	29	73	
ZE1BL	14	61,918	269	26	57	

9L1TL	Sierra Leone	21	14,805	150	11	24
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ZS2RM	South Africa	A	101,556	307	44	73
ZS6JK	A	53,256	319	20	36	
ZS10	A	206	12	5	7	
ZS61W	21	440,213	1001	36	103	
ZS2HI	14	168,264	541	32	76	
ZS2U	14	18,766	126	27	46	
ZS4AK	14	1,500	18	13	17	

ZD5M	Swaziland	A	72,830	252	39	63
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5X51U	Uganda	14	84,304	333	29	59
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9J2VB	Zambia	14	317,044	800	33	101
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### ASIA

ZC4TX	Cyprus	A	16,245	110	20	37
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VS8FF	Hong Kong	A	192,600	755	56	94
VS6FO	21	9,823	138	19	28	
VS6DS	14	12,816	153	20	28	

VU2GW	India	14	9,360	81	21	31
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EP2BQ	Iran	A	198,495	421	52	113
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4X4PC	Israel	21	50,362	306	18	40
4X4HW	14	182,100	627	28	72	

JA1BK	Japan	A	403,172	758	78	118
JA1IBX	A	226,893	539	65	94	
JA1KSO	A	95,175	281	59	82	
JA8CKC	A	88,250	278	52	73	
JA1E2T	A	81,196	280	49	66	
JA3AA	A	64,736	244	48	64	
JA7AKQ	A	54,647	224	41	58	
JA8SW	A	43,512	199	40	44	
JA1PTI	A	27,832	151	36	35	
JA2XI	A	23,490	147	25	33	
JA1VX	A	23,236	115	32	42	
JA2DN	A	21,630	88	49	56	
JA1JUG	A	18,522	139	25	29	
JA4BNT/3	A	16,728	106	33	35	
JA7RH	A	15,552	119	21	33	
JA7BJL	A	14,204	104	25	28	
JA2EPK	A	11,094	87	27	31	
JA0AC	A	10,875	59	30	45	
JA1JAN	A	8,448	80	23	12	
JA1DUH	A	8,096	75	20	26	
JA8AJM	A	7,788	76	20	24	
JA6CLO	A	5,676	55	21	23	
JA7CVB	A	4,998	59	18	16	
JA4BFT	A	4,454	60	16	18	
JA1EYR	A	2,457	35	14	13	
JA2FCR	A	2,088	33	14	15	
JA3GRO	A	1,296	24	13	11	
JA3HGL	A	1,225	23	12	13	
JA2CPK	A	261	12	6	3	
JA6BXA	21	32,076	179	23	43	
JA5BJC	21	25,641	150	24	39	
JA6PY	21	23,998	131	25	46	
JA3EGE	21	21,900	137	24	36	
JA1LPZ	21	18,847	147	19	28	
JA1UJ	21	16,588	109	23	25	
JA6AKW	21	15,660	109	21	33	
JA1NLX	21	15,600	113	21	31	
JA8ZO	21	13,320	123	16	24	
JA2CTS	21	13,150	100	20	30	
JA1HKP	21	12,243	88	22	31	
JA7BMK	21	11,178	94	18	28	
JA3DGC	21	9,849	78	19	50	
JA3DAY	21	7,612	56	19	25	
JA1HX	21	4,588	55	13	18	
JA1EM	21	2,448	38	12	12	
JA1UVR	21	480	15	7	8	
JA5AZJ	21	340	12	10	10	
JA6YAF	21	132	8	5	6	

JA1UPO	21	1,304	4	3	2
JA1CIA	14	106,124	467	28	58
JA6D	14	105,462	427	30	63
JA8AA	14	105,225	486	27	48
JA1YL	14	83,988	412	25	49
JA2ANX	14	85,260	350	31	53
JA3BN	14	83,376	409	27	45
JA1BWA	14	71,418	329	30	58
JA1BZ	11	52,000	286	26	39
JA1PDU	14	44,478	259	23	40
JA1TH	14	43,000	222	27	41
JA2FH	14	34,216	220	22	34
JA1DFQ	14	34,143	223	22	35
JA1OK	14	28,542	157	26	45
JA1OK	14	23,912	165	22	34
JA3HFL	14	26,190	143	22	32
JA2CUD	14	26,034	140	22	31
JA8QR	14	18,868	125	24	33
JA1IOM	14	13,416	108	20	32
JA3IG	14	11,656	132	14	17
JA1BNSW	14	9,456	87	20	28
JA1AKH	14	9,000	97	18	22
JA4AQR	14	7,943	79	21	26
JA7L	14	6,308	78	17	21
JA3YR	14	5,617	58	17	24
JA1PRF	14	5,538	70	17	22
JA1RU	14	4,389	51	14	19
JA4DZ	14	4,020	50	16	14
JA3HLV	14	3,683	56	13	16
JA1ACA	14	3,366	39	14	19
JA2BNN	14	1,334</			

Trucial Ocean  
MP4T80 21 27,332 145 20 44

**U.S.S.R.**

**Asiatic**  
 UW9WB A 495,872 750 68 186  
 CA9WS A 226,834 524 35 119  
 CA9GC A 290,280 109 57  
 CA9UG A 35,154 273 21 41  
 CA9FM A 35,812 152 10 69  
 CW9PT A 27,621 127 31 68  
 UW9UT A 10,250 98 16 34  
 CA9OO A 6,800 71 8 32  
 UA9MT A 2,550 41 9 16  
**UASKCF** 14 43,785 251 17 46  
 UW9AA 14 37,701 188 16 43  
 UW9DP 14 24,806 153 16 47  
 UW90A 14 23,940 192 19 58  
 UW90U 14 19,044 81 20 34  
 UA9DK 14 9,842 98 8 29  
 UA9PO 14 4,760 82 13 25  
**UA9VJ** 3.5 2,116 46 8 15

**Azerbaijan**  
 UD6AM A 121,290 352 35 95  
 UD6BV 14 7,406 87 11 23  
 UD6BW 7.0 9,207 102 6 25

**Georgia**  
 UF6HK A 59,340 272 20 49  
 UF6DD 14 10,605 139 10 25  
 UF6AW 7.0 3,240 61 7 13

**Kazakh**  
 UL7CT A 133,694 423 34 84  
 UL7NE A 108,416 290 38 83  
 UL7ND A 1,625 40 11 11  
 UL7GR 14 12,828 154 13 36  
 UL7RL 14 1,540 90 9 11  
 UL7JZ 7.0 3,364 66 9 20  
 UL7CG 3.5 20,253 180 10 23

**Tadzhikistan**  
 UJ8AB A 31,974 183 23 50  
 UJ8KAW A 6,029 71 14 29

**Turkoman**  
 UH8BO A 83,916 290 32 76  
 UH8BR A 29,184 189 17 40  
 UH8BZ A 21,489 138 16 41  
 UH8AA 21 53,874 263 22 60  
 UH8DH 14 880 25 8 12  
 UH8AE 14 856 26 6 11

**Uzbek**  
 UI8LB A 44,323 144 44 83

**Europe**

**Austria**  
 OE3LI 3.5 12,740 235 10 39  
 OE1KU 1.8 160 42 2 8

**Balearic Islands**  
 EA6BD A 2,730 67 10 16

**Belgium**  
 ON5AZ A 192,177 566 51 112  
 ON4TX A 176,305 372 61 124  
 ON4XG A 122,774 294 47 116  
 ON4CE 21 1,752 65 11 13  
 ON4NG 14 3,050 90 5 20

**Bulgaria**  
 L22KBA A 122,276 599 43 111  
 L21KKZ A 70,829 412 31 80  
 L22ZZ A 41,894 335 22 64  
 L21DF A 7,776 120 12 42  
 L21CF 21 25,891 146 27 52  
 L21AG 21 24,860 161 29 57  
 L21CW 14 61,548 404 25 67  
 L21KBU 7 19,129 356 10 37  
 L22AV 7 12,726 256 10 52  
 L22KLC 7 4,200 137 7 23  
 L22FY 7 2,950 112 6 19  
 L21KID 7 353 21 2 7

Channel Is.  
(Guernsey)  
GC3KCE A 54,366 280 29 73

(Jersey)  
GC4LI A 31,248 191 28 56

**Crete**  
SV9WO A 36,280 273 28 59

**Czechoslovakia**  
 OK1BY A 264,504 556 64 150  
 OK2PO A 142,290 536 48 107  
 OK1BMW A 121,992 396 38 126  
 OK1GO A 77,630 418 30 108  
 OK1ADM A 70,530 187 30 109  
 OK3DG A 69,580 280 47 95  
 OK1AGO A 44,880 240 36 74  
 OK3CAG A 43,318 240 36 75  
 OK2ABC A 41,292 270 28 55  
 OK2LN A 40,250 254 30 76  
 OK2QR A 38,752 179 36 96  
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 OK1BPN A 17,732 186 15 31  
 OK2BHX A 9,298 186 15 31  
 OK2BL A 8,990 190 23 33  
 OK1BY A 8,319 72 26 13  
 OK3KED A 4,687 37 13 10  
 OK3BEN A 4,574 76 14 19  
 OK3CV A 4,477 99 14 23  
 OK2BZC A 4,154 59 16 48  
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 OK2BEC A 3,209 13 20 17  
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 OK1MP 21 4,725 43 20 25  
 OK1AIR 21 2,880 37 13 15  
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 OK1AEZ 14 13,496 109 18 38  
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 OK1KIY 14 5,364 83 11 25  
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 OK2KJ 7.0 23,559 180 17 46  
 OK1KM 7.0 11,330 150 14 39  
 OK3CPE 7.0 11,139 223 10 37  
 OK3JV 7.0 11,001 130 15 42  
 OK2BFX 7.0 9,888 179 10 38  
 OK2BBI 7.0 8,022 144 11 31  
 OK1HR 7.0 6,240 122 10 30  
 OK3CPL 7.0 4,847 105 10 27  
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 OK1MG 3.5 13,554 153 12 42  
 OK1DC 3.5 11,868 232 9 34  
 OK3CFF 3.5 7,920 209 7 29  
 OK1AES 3.5 7,490 181 6 29  
 OK3QP 3.5 4,515 114 6 29  
 OK2KGV 3.5 3,400 94 6 28  
 OK1AOX 3.5 3,264 102 6 26  
 OK1AIA 3.5 2,430 91 5 25  
 OK1AHL 3.5 1,775 65 5 26  
 OK8CGL 3.5 1,771 79 4 19  
 OK1AP 3.5 486 23 6 14  
 OK3BA 3.5 304 18 5 11  
**OL1AEF** 1.8 630 60 2 12  
 OK1AHH 1.8 300 31 2 11  
 OK1AKU 1.8 296 55 2 8  
 OK1KAG 1.8 264 29 2 10  
 OK1AOV 1.8 226 28 2 9  
 OL3ABO 1.8 209 37 2 9  
 OL6ACO 1.8 186 29 2 8  
 OL7ABI 1.8 153 23 2 7

**Denmark**  
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**England**  
 G3FKM A 246,959 505 57 142  
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**Finland**  
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 OH3YI A 22,684 150 28 79  
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 OH3RY 11 590 41 7 18  
 OH2BCD 11 99 7 5 6  
**OH1VA** 7.0 49,882 376 27 71  
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 OH1SU 7.0 29,148 171 20 39  
 OH6VP 7.0 4,860 124 5 27  
 OH3RC 7.0 4,447 115 8 21  
 OH3QS 7.0 4,416 59 4 26  
 OH3WH 7.0 1,364 48 6 16  
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 OH2BFS 7.0 459 27 7 13  
 OH3LA 7.0 330 26 4 11  
 OH1ZK/3 7.0 170 13 4 6

**France**  
 OH1SH 3.5 26,000 309 14 51  
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 OH4MU 3.5 61 9 3 5  
 OH4VS 3.5 35 6 2 5  
 OH3NY 1.8 176 22 2 6

**Germany**  
 DJ2AA A 461,682 875 67 167  
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 A 209,017 607 58 139  
 DJ7LD A 188,556 440 60 136  
 DJ7BQ A 149,227 364 60 149  
 DJ4FN A 111,687 321 56 121  
 A 80,172 594 45 86  
 A 80,172 594 45 86  
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 A 55,857 297 46 83  
 A 54,168 301 33 78  
 A 42,721 294 43 76  
 A 38,948 255 30 71  
 A 35,008 220 29 65  
 A 35,742 135 44 94  
 A 34,150 156 36 86  
 A 33,284 154 36 70  
 A 19,809 145 31 82  
 A 18,738 157 19 50  
 A 16,920 135 30 60  
 A 14,218 122 23 29  
 A 13,440 115 22 58  
 A 9,728 102 22 42  
 A 7,392 83 19 25  
 A 6,007 67 19 48  
 A 4,200 51 17 23  
 A 2,444 49 15 32  
 A 2,405 41 13 24  
 A 580 22 9 11  
**DJ2RE** 21 26,112 160 23 41  
 DL1ZG 21 21,158 113 25 46  
 DL1ML 21 20,026 117 24 38  
**DL2DK** 14 163,022 542 32 87  
 DJ1PN 14 58,725 314 22 60  
 DJ4PN 14 48,974 221 30 61  
 DJ4QT 14 28,262 215 17 41  
 DJ7HJ 14 5,780 93 12 22  
 DL2TH 11 3,780 66 9 18  
 DL2FW 14 2,860 60 9 17  
**DJ5BV** 7.0 90,810 536 25 69  
 A 56,244 363 25 61  
 A 42,366 379 18 51  
 A 40,950 350 22 56  
 A 20,670 174 17 45  
 A 7,488 178 11 21  
**DJ3KR** 3.5 46,130 416 18 52  
 DJ2YA 3.5 41,473 119 15 52  
 DJ5DT 3.5 24,766 289 11 47  
 DJ8FR 3.5 11,720 275 8 32  
**DL1FF** 1.8 1,746 75 4 14

**France**  
 F80P A 96,309 406 35 88  
 F8TM A 91,073 333 44 107  
 F8RU A 15,042 109 29 40  
 F3IZ A 5,069 75 12 25  
 F2GO A 4,536 68 16 29  
 F8JH A 4,290 75 14 25  
 F2SQ 14 70 5 3 2



Tony Smaker and Walter O'Neal (cigar) during a lull in the KL7DQ operation.



DM3LOG	A	50,020	238	30	83	LASWG	7.0	3,221	115	7	19
DM3ZH	A	37,595	225	32	71	LAGU	7.0	480	15	7	13
DM2AUF	A	36,086	218	27	71	Poland					
DM2ATD	A	28,480	170	32	57	SP8PC	A	128,282	427	55	132
DM3EN	A	19,006	155	27	81	SP9ADU	A	123,291	414	55	116
DM2ATD	A	12,000	118	24	56	SP2FU	A	69,690	330	63	25
DM4EL	A	8,520	92	24	47	SP2GALL	A	62,750	247	44	81
DM3RYO	A	7,930	69	22	39	SP8GALL	A	59,405	339	36	73
DM2BPM	A	7,260	80	18	48	SP8SR	A	55,550	368	29	81
DM2BDH	A	4,440	57	17	43	SP9ZD	A	53,235	336	29	88
DM4WKL	A	3,922	72	25	38	SP5APL	A	46,008	225	36	72
DM4ZWL	A	3,300	88	13	29	SP9ZD	A	15,614	156	22	52
DM2BXH	A	2,816	61	9	25	SP8AWP	A	7,493	89	17	42
DM3VUN	A	2,112	41	14	6	SP7ASZ	A	5,265	68	20	25
DM2ANH	A	1,131	36	9	19	SP8A0V	A	4,224	72	14	30
DM3VO	A	810	19	10	14	SP9AGS	A	2,100	48	12	23
DM3SF	A	342	13	8	11	SP8DDN	A	1,200	20	13	17
DM4WPL	14	29,100	206	21	39	SP9RDB	A	945	36	6	21
DM3YD	14	7,851	142	12	29	SP3BES	A	15,624	94	18	44
DM2BRE	14	1,470	47	8	13	SP3YC	21	2,178	23	15	18
DM4XGL	14	1,300	45	7	13	SP3AKK	21	1,080	21	9	11
DM2CFM	7.0	13,083	231	13	36	SP2AOI	21	73,000	310	29	71
DM2CCM	3.5	3,150	105	5	25	SP6AAT	14	20,922	123	21	59
DM2BJJ	3.5	1,175	50	4	21	SP8CK	14	18,768	155	19	37
DM2AMF	3.5	70	15	2	3	SP3ALI	14	19,656	147	21	42

Greece											
SV0WAA	A	84,096	539	34	94	SP1JN	14	15,369	149	13	34
Hungary											
HASKFR	A	114,920	408	50	120	SP6ANS	14	10,348	96	17	55
HA9PB	A	25,344	202	27	72	SP4AWY	14	6,474	76	12	27
HA9KDA	A	11,225	137	21	49	SP3RAT	14	3,799	71	10	19
HA9KYB	A	6,930	159	9	26	SP3PK	14	3,156	56	8	16
HA1VE	A	5,348	92	15	31	SP5ATH	14	1,972	48	6	14
HA9UH	A	6,102	100	20	34	SP6LK	14	851	17	9	11
HA9GL	A	2,162	97	5	18	SP5ARN	7.0	49,680	417	20	60
HA9LL	A	666	36	8	13	SP1BHX	7.0	16,568	234	15	41
HA1SB	14	24,720	232	19	41	SP5AWB	7.0	1,505	83	11	28
HA1KSA	3.5	31,372	438	12	42	SP5BCL	7.0	1,104	45	5	19
Iceland											
TF3AB	A	36,146	274	18	35	SP6UK	7.0	156	12	4	9
TF3KB	3.5	315	18	4	5	SP5ADZ	3.5	15,975	336	8	37
Ireland											
E15B	A	6,251	86	22	37	SP7X	3.5	6,278	329	9	24
Italy											
I1KE	A	183,280	539	49	109	SP5ZA	3.5	4,932	132	6	30
I1EVK	A	24,396	173	21	55	SP5KJP	3.5	2,525	113	4	21
I1IR	A	1,300	25	10	10	SP9AJN	3.5	2,408	86	5	23
I1SF	21	47,430	215	27	66	SP58IP	3.5	1,914	88	4	18
I1NU	21	29,736	180	22	41	SP2LV	3.5	1,872	73	5	19
I1PPI	14	18,411	154	14	37	SP6BAA	3.5	722	38	3	16
I1VIB	7.0	10,074	191	9	27	SP9ANA	3.5	348	29	4	12
I1HL	7.0	2,112	78	7	15	Portugal					
I1BAY	3.5	23,667	417	9	40	CT101	A	51,294	322	28	55
I1IZ	3.5	4,428	164	8	28	Roumania					

Netherlands											
PA0GMU	A	233,366	581	62	139	Y02BU	A	484,487	802	97	224
PA0XPU	A	40,793	176	36	77	Y08CF	A	228,338	665	61	153
PA0TFA	A	19,522	165	26	60	Y03CR	A	138,081	506	47	124
PA0VB	A	15,791	154	23	50	Y08DD	A	56,430	360	31	93
PA0WAC	14	8,938	90	12	29	Y07DL	A	21,168	146	21	85
Norway											
LA8SJ	A	15,914	165	18	55	Y07FE	A	21,452	195	20	56
LA2Q	A	14,169	163	15	35	Y02BA	A	5,850	65	16	35
LA7H	21	6,832	69	16	40	Y04CS	A	1,641	65	16	35
LA7UH	14	3,627	79	9	22	Y03GO	A	4,633	101	10	31
LA5IH	7.0	5,624	132	5	33	Y03JF	A	4,600	83	15	35
Poland											
SP8PC	A	128,282	427	55	132	Y03ABE	A	3,875	123	9	18
SP9ADU	A	123,291	414	55	116	Y03KFA	A	2,030	52	12	23
SP2FU	A	69,690	330	63	25	Y03ART	A	1,890	55	10	20
SP2GALL	A	62,750	247	44	81	Y03JG	A	1,581	39	12	19
SP8GALL	A	59,405	339	36	73	Y03JW	21	14,940	112	20	40
SP8SR	A	55,550	368	29	81	Y03RF	21	12,392	115	17	41
SP9ZD	A	53,235	336	29	88	Y03EG	7.0	30,175	305	21	50
SP5APL	A	46,008	225	36	72	Y03ADW	7.0	22,525	173	11	44
SP9ZD	A	15,614	156	22	52	Y03KPD	7.0	10,420	139	15	44
SP8AWP	A	7,493	89	17	42	Y03VS	7.0	7,854	355	10	32
SP7ASZ	A	5,265	68	20	25	Sweden					
SP8A0V	A	4,224	72	14	30	SM5BLA	A	643,200	989	85	235
SP9AGS	A	2,100	48	12	23	SM5SCG	A	193,970	478	65	180
SP8DDN	A	1,200	20	13	17	SM5BGK	A	149,932	375	55	137
SP9RDB	A	945	36	6	21	SM5CJ	A	88,500	421	36	82
SP3BES	A	15,624	94	18	44	SM7AAD	A	70,740	264	36	95
SP3YC	21	2,178	23	15	18	SM7AAX	A	50,850	230	30	76
SP3AKK	21	1,080	21	9	11	SM7A3F	A	34,404	225	26	68
SP2AOI	21	73,000	310	29	71	SM5AIQ	A	31,950	239	19	56
SP6AAT	14	20,922	123	21	59	SM7SVA	A	30,690	238	26	81
SP8CK	14	18,768	155	19	37	SM3BDS	A	22,185	178	25	60
SP3ALI	14	19,656	147	21	42	SM6DLL	A	20,456	136	32	64
SP1JN	14	15,369	149	13	34	SM7EIL	A	19,872	139	24	68
SP6ANS	14	10,348	96	17	55	SM4CHM	A	18,480	186	19	47
SP4AWY	14	6,474	76	12	27	SM5TU	A	9,176	72	27	47
SP3RAT	14	3,799	71	10	19	SM7PN	A	8,690	60	26	79
SP3PK	14	3,156	56	8	16	SM5BEI	A	7,473	109	13	49
SP5ATH	14	1,972	48	6	14	SM6CMR	A	3,195	55	15	29
SP6LK	14	851	17	9	11	SM6CZT	A	2,278	25	14	20
SP5ARN	7.0	49,680	417	20	60	SM7AZD	A	961	27	11	29
SP1BHX	7.0	16,568	234	15	41	SM6DRL	A	925	29	9	26
SP5AWB	7.0	1,505	83	11	28	SM5KV	21	33,558	56	27	72
SP5BCL	7.0	1,104	45	5	19	SM5CMG	21	7,180	62	19	56
SP6UK	7.0	156	12	4	9	SM7CRJ	21	1,909	41	19	31
SP5ADZ	3.5	15,975	336	8	37	SM5CNX	21	4,956	46	15	31
SP7X	3.5	6,278	329	9	24	SM4COK	21	3,010	43	11	24
SP5ZA	3.5	4,932	132	6	30	SM5QV	21	2,752	43	11	21
SP5KJP	3.5	2,525	113	4	21	SM5API	14	40,635	310	20	43
SP9AJN	3.5	2,408	86	5	23	SM7AHW	14	26,460	186	20	46
SP58IP	3.5	1,914	88	4	18	SM6XU	14	19,760	168	16	36
SP2LV	3.5	1,872	73	5	19	SM5BXX	14	18,189	166	16	36
SP6BAA	3.5	722	38	3	16	SM7DVF	14	15,988	113	17	35
SP9ANA	3.5	348	29	4	12	SM6ARH	14	16,584	87	18	36
Spain											
EA3KT	A	29,412	184	27	59	SM5DFM	14	16,396	129	13	33
EA7KE	14	30,645	306	14	31	SM7TV	14	4,104	60	26	46
EA2CR	3.5	297	15	4	7	SM5DXE	14	3,519	41	12	27
Svalbard											
LA4FG/P	14	280	20	4	10	SM6BYU	14	1,562	43	7	15
Switzerland											
SM5BLA	A	643,200	989	85	235	SM3TW	7.0	40,716	320	21	57
SM5SCG	A	193,970	478	65	180	SM5DKH	7.0	34,344	286	16	36
SM5BGK	A	149,932	375	55	137	SM5CAK	7.0	30,294	322	15	31
SM5CJ	A	88,500	421	36	82	SM5DUL	7.0	8,272	161	9	20
SM7AAD	A	70,740	264	36	95	SM5UQ	7.0	5,661	114	7	30
SM7AAX	A	50,850	230	30	76	SM5QCP	7.0	2,184	52	7	16
SM7A3F	A	34,404	225	26	68	SM5MX	3.5	20,350	314	11	44
SM5AIQ	A	31,950	239	19	56	SM3VE	3.5	1,363	42	6	23
SM7SVA	A	30,690	238	26	81	SM3AU	3.5	285	18	4	11
SM3BDS	A	22,185	178	25	60	Scotland					
SM6DLL	A	20,456	136	32	64	GM3JDR	A	30,450	247	22	48
SM7EIL	A	19,872	139	24	68	Sicily					
SM4CHM	A	18,480	186	19	47	IT1AGA	A	28,160	172	28	60
SM5TU	A	9,176	72	27	47	Spain					
SM7PN	A	8,690	60	26	79	EA3KT	A	29,412	184	27	59
SM5BEI	A	7,473	109	13	49	EA7KE	14	30,645	306	14	31
SM6CMR	A	3,195	55	15	29	EA2CR	3.5	297	15	4	7
SM6CZT	A	2,278	25	14	20	Svalbard					
SM7AZD	A	961	27	11	29	LA4FG/P	14	280	20	4	10
SM6DRL	A	925	29	9	26	Sweden					
SM5KV	21	33,558	56	27	72	SM5BLA	A	643,200</			





## Europe

Bulgaria (Club Stations)			
LZ1KPG	397,334	1075	60 142
LZ1KAA	121,978	615	40 102
LZ1KZD	54,846	442	26 78
LZ2KGO	18,496	261	16 48
LZ2KBT	7,384	180	8 20
LZ2KAD	6,248	166	14 28
LZ2KST	5,208	179	7 21
LZ2KRZ	2,812	64	13 24

Czechoslovakia (Club Stations)			
OK3KMS	176,490	517	63 122
(OK3CAX, OK3CEA, 3-9983)			
OK2KNP	30,502	199	30 71
OK2KJU	30,160	182	32 72
OK2KOO	29,840	256	23 57
OK2KHD	16,296	132	26 58
OK1RTL	13,631	124	21 42
OK1KCD	12,744	107	17 37
OK1KDT	6,168	97	10 24
OK1KOK	2,470	55	11 27
OK1KBN	630	40	4 17
OK1KHK	176	29	2 6

England			
G3SSO	530,944	881	79 177
(G2IIX, 2RT, 3CNW, 3MSV, 3NHF, 3PEO, 3PYL, 6VX, 8FF, 8KG)			
G3TGG	20,475	186	18 45
(G3TGG, G3EBH)			

Faroe Island (Club Station)			
OY6FRA	96,746	700	30 92

Finland			
OH40P	113,306	368	48 133
(OH40P, OH40O)			
OH2TI	94,620	277	47 119
(OH2BCP, OH2BO, OH2MM)			
OH3AA	50,661	282	35 82
(OH2DW, OH2PF, OH2TY, OH2XT, OH2YV, OH2ZB)			
OH3AF	39,347	285	22 53
OH2AC	19,845	131	31 74
OH3NE	13,041	115	26 55

Germany			
DJ3JZ	570,732	975	72 167
(DL1CR, 3AO, 6KC, 7BA, DJ3JZ, 1BP, 4L, 7AF)			
DL6AA	352,458	722	72 142
(DL3AA, 3BK, 3OH, 6KB, 8XY, DJ1TL, 4XG, 5DA)			
DL0ITU	266,931	727	65 158
(Club Station)			
DJ9HA	205,140	584	56 139
(DJ9HA, DJ9SB, DJ4SB)			
DJ2PJ	197,290	664	45 138
(DJ2XP, DL8AM)			
DL8CM	181,204	540	55 121
(DL8CM, DL8CH)			
DL0NS	103,880	323	44 96
(DJ30Z, 4AN, DL9QV, 9VP)			
DL0FT	93,732	243	50 96

(DJ5HL, 6NS, DL1HA, 1HE, 3NM)			
DJ6TT	80,365	355	38 93
(DJ6LV, DJ6TT)			
DL0JD	71,103	278	44 93
(DJ1CY, DJ1X1, DJ4HO)			
DJ9MH	42,918	294	26 68
(DL2AW, DJ4WG)			

DM4B0			
	42,900	218	38 72
(DM2BPO, DM4UBO)			
DM6AG	30,294	200	26 78
(DM3SBM, 3XPH, 4KG, 6ZAK)			
DM3UE	2,336	30	14 18
(DM3UE, DM2AGE)			

DL5GK			
	102,960	412	46 119
(DL3BA, 5ES, DJ3CN, 9RD)			

Hungary			
HA5KBB	422,240	920	74 186
(HA5DM, 8WH, 5-019, 8-703, 9-007)			

Italy			
I0FCM	101,592	962	54 130
(IALU, IUCK, IVN)			

I. T. U.			
UI1TU	14,742	135	21 33
(DLIYI, HBUD)			

Netherlands			
PIIPT	82,362	409	29 82
(Club Station)			
PA0ZAV	45,186	285	29 73
(PA0ZAV, PMD, NFN)			

Northern Ireland			
GI3GAL	57,936	325	28 74
(GI3GAL, 3JXS, 3XGX)			

Norway			
LA1H	274,505	753	47 114
(LA1LF, 2IE, 7RB, 9JD, 9OI)			
LA2J	17,536	263	16 48
(LA6J, 7OI, 9XJ)			

Poland			
SP8KAR	167,844	461	65 148
(SP8AJK, 8-426, 8-6001)			
SP8KBM	33,151	207	23 63
(SP8AJE, SP8ARY)			
SP2KAE	11,283	163	15 39
(SP2LU, SP2US)			
SP2KAC	5,855	101	12 23
(SP2A0B, SP2RO)			

Roumania			
Y03KSD	241,966	854	51 135
(Y03GU, 3AAR, 3RX, 3YY)			
Y05KAU	15,622	179	18 55
(Club Station)			

San Marino			
MIN	250,486	718	50 118
(W6JFF, G3IRK)			

Scotland			
GM3GUJ	80,730	439	30 87
(GM3GUJ, GM3VBK)			
GM3SFH	35,776	244	27 59
(GM3SFH, 3RNZ, 3UCF)			

Sweden			
SM6CKV	524,970	860	83 202
(SM6AOE, 5BJI, 6CKV & Eva, 8L5AB, 75,010, 389, 41, 89)			
	(SM5CGS, SM5CRV)		
SM7CKT	45,650	235	36 74
(SM7CKT, SM7ALA)			

Switzerland			
HB9AAZ	96,558	455	34 87
(HB9AAZ, HB9ADP)			

Vatican			
HV1CN	382,700	1316	51 121
(W91OP, W9AC, W8DUS)			

Yugoslavia			
YU1BCD	216,810	664	63 135
(Club Station)			

## U.S.S.R.

Estonia			
UR2KAC	287,640	899	46 142
(UR2PR, 2FU, 2MG, 2NN)			

European			
UA3KAS	990,943	1162	112 337
(UA3RA, UW3HR, UA3-27214)			
UA6KAF	248,538	806	55 158
(UA6DP, UA6-14283, UA6-14303)			

Club Stations			
UA6KTR	196,602	634	55 162
UA3KZO	174,346	622	50 129
UA4KCC	170,748	537	49 155
UA3KPR	150,960	560	54 131
UA3KAO	148,185	509	50 135
UA4KEA	135,014	310	54 133
UA8KAE	133,940	566	54 131
UA1KEG	130,095	541	44 133
UA4KPA	115,584	498	39 129
UA3KWA	108,569	542	33 118
UA1KBB	103,680	483	35 125
UA3KMB	75,852	438	31 98
UA3KYA	72,400	270	34 88
UA4KCE	42,180	345	24 71
UA1KAC	31,059	398	12 30
UA3KRO	27,232	263	18 56
UA3KFA	18,380	199	20 48
UA1KCU	7,636	145	12 34
UA3KWI	4,502	80	14 27
UA3KOB	3,500	72	11 24
UA3KHA	2,356	36	11 20

Kaliningrad			
UA2KAW	224,994	825	39 115
(UA2BO, UA2CA, UA2CD)			
UA2KAP	57,776	468	26 66

Latvia			
UQ2KAX	85,643	461	37 84
(UQ2AB, UQ2AN, UQ2-22375)			
UQ2KCC	16,046	189	19 52
UQ2KCR	15,000	232	12 48

Lithuania			
UP2KBC	248,094	736	55 143
(Alfred & Henry)			
UP2KBA	118,883	532	36 107

Moldavia			
U05KAG	1,222	44	8 18

Ukraine			
UB5KBA	267,444	661	62 166
(Mariam (YL) & Yuri)			

Club Stations			
UB5KAS	167,056	475	56 141
UB5KAI	151,424	402	58 150
UB5KLD	108,188	415	39 109
UB5KHQ	103,802	425	40 102
UB5KAU	56,916	293	33 81
UB5KGL	28,952	229	29 65
UB5KKI	22,081	215	15 56
UB5KVN	16,427	215	12 31
UB5KBY	14,927	173	17 42

White Russia			
UC2KAC	91,511	538	32 87
(Boris, Valery, Vlad)			
UC2KAZ	39,624	321	22 56
UC2KAA	25,500	202	16 44

## MULTI-OPERATOR

### Multi-Transmitter

### North America

K2GL	2,513,448	1729	130 374
(K2GL, 2DGT, 2UYG, W1GYE, 2GLM, 2IWC, 6KPV, WB2MFX)			
W3MSK	1,956,801	1467	126 347
(W3MSK, 3EIS, 3FYS, 3PZW, 6HOH, KIAN, 3EST, 6BHM, W3WJD, 1,219,074, 1096, 108, 290, W3WJD, 3DQG, K3MCO, 3JJG, 6L8G)			
W4KXV	1,198,512	1040	112 294
(W4KXV, 4TKR, K2UFT, 2YGR, 4MXP, 4PQL, 4VLD, WA3GHV, 4JYV, 4LNV)			
W6RW	1,169,625	111	122 253
(W6RW, K2PPE, 6KOI, 6MQG, 6SUQ, 9ELT, WA6OHJ, 6TGH, WB6ENX)			
VP9EU	210,500	974	35 65
(VP9EU, VP9FW, W5HWR, WB2PZX)			
W3VKD	170,544	319	49 138
(W3VKD, 3A0H, 3LMM, 3QJZ, 3UHN, K3DKD)			

### Asia

UA9KCE	655,095	975	69 186
(UA9KCE, 9CC, 9DT, UW9CC, 9EF)			

### Europe

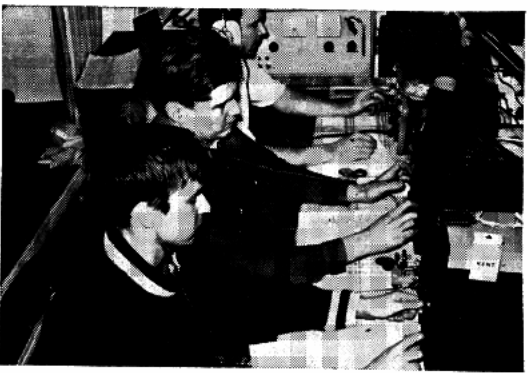
OH2AM	1,010,892	1548	94 272
(OH2BC, 2BH, 2FS, 2BQ, 2KH, 2AV, 2SB, 2PBM, 2HBR)			
UB5KBB	691,300	1338	85 225
(UB5LM, 5PW, 5DQ, UT5CD, 5GJ, 5TC, 5TG, 3FN, UB5KBB, 5-59704)			
LZ1KZS	624,416	1447	83 221
(LZ1DZ, 1DQ, 1DV, 1DL, 1DO, Peter, Dinko, Kosta)			
OH1AA	494,320	992	72 224
(Club Station)			
OK3KAG	303,696	995	59 157
(OK3BU, 3DL, 3-4123, 3-9624)			
DM7L	292,896	953	65 161
(DM7LAQ, 2ATL, 2BEL, 2RL, 2CEL, 2CML, 3MEL, 3ZKL, 4CL, 4VCL, 2AKL, 2BU, 3MML)			
OH2AA	208,820	630	55 157
(OH2CF, 2ER, 2FS, 2KK, 2LP, 2WJ, 2YV)			

### South America

YV9AA	1,865,208	2336	90 192
(YV5AAQ, 5AGD, 5ANT, 5BKA, 5BNR, 5GO)			

Our thanks to the following stations and s.w.s. for sending in their logs for checking purposes.

W1WJZ, W2APH, W3DYT, K4PLF, W1NKE, WA4QPV/6, W5KCC, W8AQK, DL8ML, G6JF, HA5-105, LA9TG, OH3TM, OK2BDJ, OK1AEH, OK1AEI, OK1AH, OK1AJR, OK1AKW, OK1ALZ, OK1ANG, OK1ANS, OK1AMZ, OK1APB, OK1CX, OK1CS, OK1CS, OK1PT, OK1SM, OK2BJ, OK2BNC, OK2BGN, OK2KFK, OK2KGV, OK2KLL, OK2KQ, OK2KX, OK2KOS, OK2QY, OK3AU, OK3CS, OK3CEV, OK3CNS, OK3KEU, OK3L, OLSAAQ, OLSAAQ, OZTKV, PE2EVO, SM3CZS, SM5BFF, SM5BHW, SM5BXT, SM6CDN, SM6CAZ, SM6CAZ, SM6CDN, SM6CKU/-MM, SM7AS, SM7BY, SM7TQ, SP3ARS, SP6RT, SP8ARY, TZ2P, UA1BT, UA1FI, UA1MA, UA1UM, UW1BA, UA3ND, UA3NG, UV3TU, UA9CX, UA9VJ, UV9UF, UV9WT, UA9L, UB5AE, UB5GT, UB5RS, UB5KAK, UT5NA, UC2SE, UO5WT, VE1AE.



Multi station OH2AM of the OH-DX-Ring contest club, only European station to break a million points. Front to back: OH2BC, OH2BH, and OH2SB at the 20 m operating position.