Results, 8th IARU HF World Championship

I guess it'll be several years before DX conditions get better, but I'll keep trying.—*Bill Littlewood, W9HE*

By Billy Lunt, KR1R Contest Manager and Warren C. Stankiewicz, NF1J Assistant Contest Manager

This contest is the cure for the summertime blues! On the weekend of July 10-11, 1993, while thousands spent time sweating in the hot sun, fighting off mosquitoes or getting sunburned at the beach, hams took to their cool basements (or air-conditioned shacks) for a welcome break from the drudgery of mowing lawns and washing cars, to give the International Amateur Radio Union (IARU) HF World Championship a whirl.

Contests attract people for many reasons—some for the competition; some to work DX; others, like Dan, N9XX, get on to collect wallpaper. As he puts it, "Other than for the pure pleasure of getting in the fray, a primary motivator is the award endorsements for 250 QSOs and 50 multipliers. If I could have operated 24 hours, I would have done so. The availability of these awards is reason enough to hang in there a while longer and ferret out another multiplier or one or two more QSOs."

In the DXing department, the group at SU2MT attracted a lot of attention. Not only was it a Zone 38 multiplier, it was a new country for many DXers. Other choice DX spots were active during the contest, such as Market Reef and St Paul Island.

One thing is sure, this contest is fun and it attracts a lot of interest, especially in Europe and among hams in the Commonwealth of Independent States (the former Soviet Union). The key to your score in this contest is how many Europeans you can work. A scan through the Top 10 boxes shows that to make it to the top, you needed to be in Europe (like HAØMM) or in a place where you could work a lot of Europeans (such as 4X/S59PR or PYØFF). In fact, 29 of the top 40 stations worldwide were in Europe.

How did this year's contest go? Conditions were off a bit from last year, and many people remarked that they seemed more like the norm for this contest, at least judging from the past several years. Summer propagation makes for rough going on 80 and 160 meters, and at the present point in the sunspot cycle, there isn't much to work on 10 meters. Yet, even with conditions lacking, activity edged upward by 2.7%. Can it be that contesting is on the rise?

Operating at W1AW is *so* exciting! Rich Gelber, K2WR, takes an unplanned break from 40 meters, while Brian Szewczyk, NJ1F, hands out multipliers on 15.

IARU Headquarters Stations

HG93HQ (HA1s VQ,WD,YA,YU,HG1W,HA5s AWH,BGG, FA,FM,GF,IW,LN,MK,ML,OM,TI,UA,WE,HG5CCC,HA6s DX,FQ,GK,GM,IAB,IOB,KNV,ND,NF,NG,NQ,NY,OB,OI,OO,OQ, OY,PN,PX,VH,VR,WI,WP,YR,ZV,HG6GD,HA7s JES, PO,RY,VB,HA8s IE,RG,TK,HAØs DU,NAR,ops)
7,246,498 8598 283

DAØHQ (DL1s AKW,DTL,EMY,IAO,SBR,DL2s DRT,EBX, KDM,SAX,SDN,DL3s AOK,ART,DXX,DZZ,OI,RMA,VHF, DL4NAC,DL5s ANT,AOM,ARX,ATD,AXX,LYM,SFI, DL6s CKF,FBL,DF7RX,DJ7AA,DL7sUTA,VNF, WAA,ops)
6,409,408 9098 272

YPØA (YO2s BBT,DFA,GZ,YO3s AC,APJ,CDN,FRI,FU, JF,XL,YO4s AB,ATW,HW,NF,SI,SF,YO6s AWR,CFB, JN,YO8s AXP,BAM,BIG,CMB,RSL,YO9HP,ops)
4,966,200 7318 267

OL1HQ (OK1s ARN,AYP,CF,DFP,DRU,DWX,DXS, FCW,FIA,FMJ,FUA,HH,II,JDX,JJB,MPP,NK,TW,ops)
4,721,888 6518 244

EM5HQ (RB4QR,RB5s QA,QDP,QMA,QRQ,QRW,QW, UBØQQ,ops)
4,609,375 5302 295

LZ7A (LZ2s AI,AP,PP,UU,ZF,LZ3s AW,BG,DJ,FN,SM, UA,LZ4AX,ops)
2,557,720 4501 220

OT3H (ON1AKP,ON4s AMI,AXV,KAR,VT,XG,ON5DO, ON6s JG,LO,NL,ON7s BW,SF,ZM,ops)
1,753,092 2970 198

SK3HQ (SM3S BDZ,CER,DMP,RAB,SMØJHF,ops)
1,574,911 2935 169

GB4HQ/GB5HQ (G3s OZF,XMZ,G4s DWW,WNX,ops)
1,533,506 2806 169

W1AW (KC1XM,NJ1F,W1WEF,WZ1R,K2WR,KR2J, N2BCC,WB2DIN,K3IPK,N3ADL,ops)
796,543 2577 121

P2ØA (P29s DX,JA,NAG,ops) 763,767 1399 113

OE1XHQ (OE1s MCU,TKW,YU4JJ,ops)
664,249 1405 151

Z3ØRSM (Z37CEF,op) 615,600 2485 108

LU4AA (LU1CN,LU5DZ,LU6BDG,ops)
425,829 849 129

JA3RL (JA3MAU,JE3EIG,JG3RPL,JI3ERV,JJ3WPF,JN3s QLL,VOG,JP3LKR,JQ3OZY,JR4ISF,ops)
361,928 1626 92

PI4AA (PAØLOU,op) 272,034 827 102

SP3PZK (SP3s AMZ,FEI,FHK,MEP,VKK,VKO,ops)
146,804 611 198

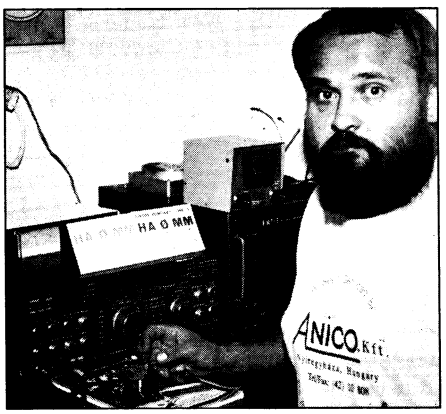
VE5QST (VE5s JZ,PE,PF,SV,SZU,UO,VA,XP,ops)
81,770 696 37

Many entrants thought that, outside of 20 and 15 meters, conditions were dead, but that wasn't so. Each of the top finishers reported making 100 to 200 contacts on 10 meters, and each made 250 to 300 QSOs on 40 meters. This shows that a band may not be as dead as you think—everyone else might be *listening*, too. There are people who let conditions challenge them and others who challenge the conditions. Which are you? Bill, 5Z4FO, reported, "Who said that 10 meters was dead? I worked VP2EY at 1824Z, a distance of 10,700 km!"

Top Finishers

In the Mixed-Mode competition, Gyozo, HAØMM, fought off a strong challenge from Robert, 4X/S59PR, who had more QSOs, but came up short on multipliers. HAØMM did a great job on 20 and 15 meters; more than 50% of his QSOs were on 20 meters and 25% were on 15. He made 200 QSOs in his first hour on 20, working mostly stations to the east. He was even working stations at a good clip in the wee hours of the morning, 0300 to 0500Z; and he made 162 contacts on 20 in the last hour of the contest.

For Radivoje, YU1RL, operating PYØFF on CW, and Atilano, PY5EG, operating as ZW5B, the story was much the same, although Radivoje made more QSOs on 15 meters than on 20. As they started the contest, 15 meters was wide open to Europe and they made good use of it.



Gyozo Macsuga, HAØMM, looks stunned after his First-Place, Mixed-Mode, World effort.

Top World Scores

Mixed Mode

Call	Score
HAØMM	1,999,404
4X/S59PR	1,862,764
RB5FF	1,313,435
US5I (RB5IM,op)	1,155,684
UT4UZ	1,022,286
LY2IJ	961,665
UA3RAR	839,581
LY1DS	808,494
ZV7A (YT1AD,op)	771,284
GIØKOW	742,560

Phone Only

Call	Score
ZW5B (PY5EG,op)	1,649,071
CT4NH	1,348,032
S52AA	1,309,126
S53EA	1,008,120
ON6TT	947,760
TU5DX	886,816
5Z4BI	820,704
YT7A (YZ7UN,op)	755,090
GMØECO	734,544
OH1EH	692,664

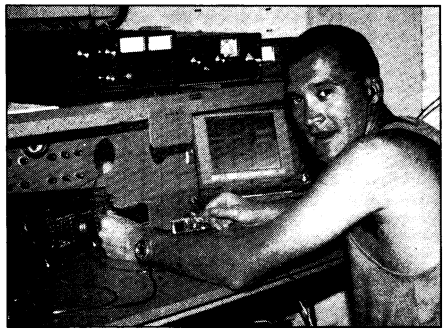
CW Only

Call	Score
PYØFF (YU1RL,op)	1,580,436
P4ØWW (KD6WW,op)	1,410,886
RZ9UA	1,176,751
GB8ZZ (K1ZZ,op)	1,046,760
7Q7XX	964,541
US8I (RB1IZ,op)	955,890
UT5UGR	949,975
SP6YAQ (SP3ASN,op)	754,120
ZL3GQ	708,698
OH2PM	675,240

Multioperator

Call	Score
HG73DX	3,195,000
C49C	2,077,507
LZ5W	1,737,120
UY7E	1,683,045
R6L	1,667,160
UZ6AXS	1,581,085
9A1A	1,470,084
UR8J	1,416,780
US7I	1,138,080
IR2W	1,060,785

Javier Campos Jr, AH6MM, was part of the team that put OJØ/OH1VR on Market Reef on the air for the contest.



Robert Kasca, 4X/S59PR, put up a strong fight for first place in the Mixed-Mode category, finishing just short of the top spot.

The crew at OK5A found it easier to participate with someone else helping to take care of cooking and other details. Shown here are (l-r) Vitek Kuncar, OK2PSZ; Jana; Sarka; and Zdeno Sterbacek, OK2PZW.

Top W/VE Scores

Mixed Mode

Call	Score
N5NMX	342,503
N4ZC	246,468
N6IP	233,714
N6NF	228,420
WA5OYU	208,350
W1GD	180,395
KZ1M	175,316
K8UNP	154,133
KC6CEX	131,436
AG8L	127,882

Phone Only

Call	Score
KW8N	489,041
K5XI	387,436
WB2K	352,108
N6WLX/8	184,675
WB2NQT	164,528
AA4NU	141,911
KE2JO	133,668
KB2R	116,578
WM2V	115,344
NB1B	115,068

CW Only

Call	Score
K5GN	622,636
N2BA (K8HVT,op)	617,856
KT3Y	520,028
N6TR	512,556
K5MR	437,895
W6YA	431,760
AA6TT	397,116
WZ3Q	377,330
K4LTA	284,695
N8LXS	280,462

Multioperator

Call	Score
WXØX	840,420
W5WMU	766,035
K5NA	666,624
K9SD	448,008
KN2T	403,920
KS3F	397,167
W4AQL	395,460
K6XT	392,730
KRØB	380,928
W6AQ	337,120

North American stations didn't start showing up in their logs until about 1600-1700Z and disappeared about 90 minutes later. PYØFF's somewhat rare location attracted hordes of European stations and being from South America allowed the operator there to make a larger number of five-point QSOs.

Headquarters Stations

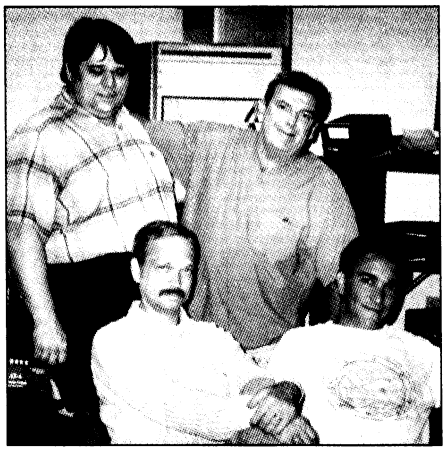
In the IARU Member-Society Headquarters Stations competition, the group from MRASZ in Hungary, HG93HQ, rolled up another bonecrushing score, finishing with 7.2 million points. The Germans of the Deutscher ARC, operating DAØHQ, put in a good effort, again finishing ahead on QSOs, but behind by 11 multipliers and the important three- and five-point contacts. All together, 18 IARU member-societies handed out multipliers this year.

Let your friends suffer in the heat while you have a good time—the next IARU HF World Championship is July 9-10. Be on the air; you'll have a good time! Thanks to Contest Assistant Anne Jaworski for her help in preparing these results.

SOAPBOX

Conditions were poor and I didn't get a lot of sleep. I'll see you next year from somewhere else! (HBØ/DL7VOA). Three days before the contest, storms wiped out my electricity! I was forced to use a generator during most of my operating time. When the electricity eventually came back on, the HF bands were too noisy to continue, forcing me to stop (NØUAX). I enjoyed the contest and look forward to my certificate (JK1AJX). This is a great contest! (VK2ARJ). Ten meters was dead the entire weekend (VK2AYD). I encountered many familiar call signs and many new ones. I had a lot of fun and I'm already looking forward to next year (ZL2AGY). The conditions were ordinary, but we had a lot of fun (OK5A). After last year's good propagation, we went back to the "normal" lousy conditions of previous years (P2ØA). Conditions were worse than last year, but this was no big surprise (VK2APK). It was a good contest, but this year it was awfully tough to pull the Europeans through from here (VE6BIR). I wanted more from the IARU contest, but the passing electrical storms prevented that (NØFBA). Propagation was good to Africa! (OH2BLF). It was a pleasure to work this contest, even though propagation wasn't always friendly (YO5BQ). The conditions on high bands were poor, but I enjoyed the contest (JA1BNW). Conditions on the equator were very poor during the contest, and as a result, I fell far short of my scores over the past two years (5Z4BI). This wasn't my day to contest. Band conditions were poor at the start, I got stung by a wasp, and after the band opened up, my power amplifier gave up the ghost with a bang! I'm hoping for better luck next year (VE3CWE). The contest was great! See you next year (KJ5CZ). I worked the contest with my 20-meter dipole in the attic and 100 watts, which partially accounts for my poor signal and poor showing. Many thanks to all who persevered to pull me through and give me another contact (AA3CN). This is my first contest. I was overwhelmed by "mike fright" at the start (HA5CAC). It was a nice contest and we're already looking forward to next year (9A1CED). We were happy to take part in the IARU contest (UZ9CYA). We were surprised to have better rates on CW than on phone! Conditions were poor on the lower bands (C49C). Conditions were poor this year. Let's hope they'll be better next year (DL2DRZ). After three hours into the contest, I discovered that my 20-meter antenna wasn't working well. My brother tried to fix the quad, but without luck (S51DX). The conditions were poor, but I enjoyed the contest (UA3DPX). The contest was fun, but the bands were terrible. It was great to work SU2MT on 40 meters (K9SD). I enjoyed the contest despite the poor conditions and I'm looking forward to next year (VE3EL). This is always a good contest, but DX conditions this time were only a shadow of those of last year. Only a few DX stations received here had an S7 signal and most were S5-6. I was lucky to be received with an S5, judging from the trouble some had in getting my call sign correct. I guess it'll be several years before DX conditions get better, but I'll keep trying (W9HE). During the night, propagation was down, but we decided to go on, as this is a nice contest (CT3EE). Conditions were so poor that I didn't work a single JA on 15 meters. I still can't believe it! (OH1EH). Even Marconi would have flipped the switch on this one! (N6PEQ). This contest is one of my favorites and the closest thing to a perfect contest. The multipliers are numerous enough to be fun, and the point system lets you work Stateside when conditions are poor and still put together a decent score (KB4GID). I enjoyed operating for a few hours while on vacation (EI/G4BUO). The conditions were more challenging this year (AA2GS). I thought it was a great contest! (LZ3HI). Thanks to all for an enjoyable contest (LZ2HM). Because of too much work at the office, I got a late start in the contest. I need to get a new job that doesn't interfere with contesting so much! I worked some VKs on 15 meters at 0525Z long after the band had closed for everyone else (K5XI). Despite poor HF conditions, it was again a great contest (F6IIE). It was fun and I was pleased to take part in this worldwide contest operating QRP! (UL7IDX). To my regret, I was unable to break the pileup and work SU2MT (JF3IUC). This is my first contest after many years off the air. I enjoyed it and I like the 24-hour format (KW8J). This contest is one of the nicest. It was fun for all the operators (UR8J). I heard a lot of weak stations calling from Europe on 20, but I couldn't copy most of them (KE2JO). Band conditions were terrible and my old amplifier

bit the bucket (KA1J). Conditions were poor during the contest period (GØNKL). I lost a lot of time because of electrical storms (N6QLQ/YB5). I used the occasion to have a homecoming event for past Louisiana contesters and I hope to make this an annual event (W5WMU). This was my first time participating in this contest and I had a great time (WQ2M). It was a good contest. I was pleased to receive an award for last year's operation (PAØMIR). This was our first effort! We look forward to next year (SU2MT). The conditions on 21 and 28 MHz were poor (5NØMVE). The conditions on 20 meters weren't very good in the morning, but improved as the day went on. I ended up staying on 20 meters because 15 and 10 meters seemed dead. I found a lot of activity and plenty of new stations to work and as usual, it was a fun contest (AAØNB). The contest was nice, but the conditions were not! (OH3OJ). Conditions weren't too bad and as usual, it's always fun to participate (DL8PC). Conditions weren't too good this year (YL2SW). We entered this contest for the first time as multiops and, needless to say, we had lots of fun! (KN2T). Propagation was significantly worse compared to last year. I found almost no JA or Stateside stations on 15 meters, but I had a good Stateside pileup on 20 meters (ON6TT). I enjoyed the contest! The basement ham shack I have was a comfortable place to be during our July heat wave (KA1UEH). This is my first DXpedition. I operated on the beach! (K4VUD/KP2). Even though the conditions to the US and Japan were poor, I did enjoy the contest (UT4UZ). I can only hope for better conditions next year than we had this year (N7JXS). I didn't hear a single W or JA on 10 or 15 meters, so conditions were rather poor (LA4YW). Murphy struck! The amplifier failed on the second QSO, the beam got tangled with the inverted V and wouldn't rotate, I forgot to set the computer time to UTC and I had a power failure. Conditions varied from bad to worse. I never heard a single W/VE on 15 meters (KL7Y). I enjoyed the contest, despite terrible propagation conditions here in Denmark. The skip length seemed to get shorter and shorter all the time, so much so that at the end, I think I was talking to myself! (OZ2ZZZ). It was a nice contest, but conditions were poor. I only hope they'll improve next year because I'll be there! (ON4ZD). I enjoyed operating from a different place than usual, it was fun. My only regret was not having had the opportunity to go head-to-head with Al, G3FXB (K1ZZ). It was good fun. A thunderstorm took out the power for about two hours and I had to sleep a little, but all else went fine (AA5ZQ).



Pat Sonnier, W5WMU, held a reunion of Lousiana contesters over the weekend with (l-r) Jim Moore, WU3V; Randy Davis, WØMJ; Pat; and Dan Edwards, W5XZ.

Scores

Scores are listed by ITU zone and then by country within that zone. The line score indicates the call sign, final score, QSOs, multipliers and entry class. The entry class letters indicate: A = single operator, mixed mode; B = single operator, phone only; C = single operator, CW only; D = multioperator, single transmitter.

Zone 1

Alaska

KL7FAP	1,785	29	15	A
KL7Y	373,248	978	96	C

Zone 2

Alberta

VE6BIR	15,365	126	35	A
VE6BF	94,316	373	73	C

British Columbia

VE7XO	11,502	114	27	B
VE7UF	106,128	399	66	C

Zone 3

Manitoba

VE4RP	12,768	146	24	B
VE4VV	116,638	647	58	C

Saskatchewan

VE5SF	37,940	348	35	A

Zone 4

Ontario

VE3CWE	8,586	96	27	A
VE3TEE	8,088	99	24	A
VE3EL	15,965	125	31	B
VE3KP	181,602	608	81	C
VE3ZTH	4,914	60	21	C

Zone 6

W6

East Bay

KK6XA	608	22	8	B

Los Angeles

KU6T	29,751	181	47	A
N6IBP	15,456	84	48	A
KM6YX	58,212	360	54	B
K6OY	49,192	141	88	C
W6AQ (+KA6SAR,N6DLU,WA6OTU)	337,120	925	110	D
KJ6HO (+K6SVL,KA6NAL)	98,946	454	69	D

Orange

AB6ED	21,528	152	46	A
AA6OG (NF6H,op)	64,046	317	62	C
W6HAL	52,499	361	47	C
N6PEQ (+N6DEC,NX6M)	176,025	803	75	D

Santa Barbara

WA6FGV	77,567	547	49	A
W6TKF	41,779	369	41	A
W6BKY	15,922	150	38	C

Santa Clara Valley

N6IP	233,714	724	89	A
N6NF	228,420	808	90	A
N6NM	67,592	294	71	A
N2ALE	336	18	7	B
K6MJ	54,207	235	57	C

San Diego

KD6QK	15,059	119	37	B
W6YA	431,760	986	120	C
W6MVW	26,724	176	51	C
N6AZE	8,091	93	29	C
AB6NE	4,131	89	17	C
K6XT (+N6AYW)	392,730	957	106	D
N6KI (+AB6PU,KC6s QHU,VEC,WPF, KF6BL,KZ6X,N6s AZE,VZH)	125,862	549	66	D

San Francisco

AA6DX	15,678	134	39	C

San Joaquin Valley

KC6CEX	131,436	580	54	A
WW6O	14,644	143	28	B

Sacramento Valley

N6WR	7,455	107	21	B
K6FO	25,116	162	46	C

W7

Arizona

WA7LNW	103,500	398	69	A
N7JXS	43,195	270	53	A
NN7A	8,613	111	27	C

Idaho

KA7T	69,130	329	62	C

Montana

KS7T	25,010	204	41	C

Oregon

N6TR	512,556	1101	132	C
W7YAQ	258,774	659	118	C
N7XMZ	10,540	174	20	C

Utah

K6XO	109,634	447	82	A
W7HS	33,672	196	61	A

Western Washington

WA7FOE	114,057	531	69	B
N7LOX	77,184	360	72	C
K7LED	64,170	357	62	C
N7RVD	7,560	148	21	C
WA6NKQ	106,957	741	67	D

Zone 7

W5

Arkansas

KM5G	99,769	511	59	C

Louisiana

KJ5CZ	13,716	115	36	B
AB5HD	10,152	128	27	C
W5WMU (+WU3V,W5XZ,WOMJ)	766,035	1647	145	D

Mississippi

WA5OYU	208,350	759	90	A
N5KKG	25,650	141	50	B
KB5OHT	8,232	114	24	C

New Mexico

AA5ZQ	214,625	756	85	C
KA5BAT (+AA5UR)	7,619	109	19	D

North Texas

K5OJI (WB0NSA,op)	83,952	504	53	B
K5MR	437,895	1085	111	C
W5FO	138,996	561	81	C
WA5MUF	13,104	190	26	C
AA5OR (+NA5Q)	208,481	871	79	D
NF9D (+N5THJ,KD9FT)	110,689	495	69	D

Oklahoma

KAØRNY	11,455	133	29	A
N5RXF	58,310	374	49	B

South Texas

N5NMX	342,503	1013	113	A
N5RP	33,478	103	38	A
K5XI	387,436	804	137	B
NT5D	16,124	178	29	B
K5GN	622,636	1221	148	C
NØDH	115,350	508	75	C
W5ASP	63,050	377	50	C
NZ5I	34,608	257	48	C
K5EC	8,018	120	19	C
W5NR	1,892	41	14	C
WQ5Y (+NZ5V)	87,318	326	77	D

WØ

Colorado

KDØNB	9,282	54	38	B
AA6TT	397,116	1045	108	C
WYØJ	89,100	468	66	C
K1ER	19,698	169	42	C

Iowa

KDØAV	31,900	257	44	A
WØPPF	8,970	112	23	B
NCØP (+WAØs ETC,FLS,WDØGVY, WOØV,WRØG)	300,933	1049	87	D

Kansas

WBØYJT	19,305	181	33	A
NWØF	61,596	350	58	C
AAØJS	42,480	332	45	C
NØFMR	17,208	170	36	C
NØVAJ	16,544	197	32	C

Minnesota

KRØB (+AF9T,KAØJZV,KJØB,KSØT, NØBKL)	380,928	1226	96	D

Missouri

AAØNB	3,024	65	16	A
WCØY	128,898	546	77	C
KMØL	69,160	318	65	C
W9PL/0	63,178	357	62	C
WXØX (K4VX,WX3N,WX9E,ops)	840,420	1492	161	D

North Dakota

WBØO	79,178	450	59	C
NØFBA	1,890	73	10	C

Nebraska

AKØG	17,118	220	27	A
NØUAX	355	25	5	B
AJØI	1,184	24	16	C

Zone 8

W1

Connecticut

WE6G/1	31,059	187	51	A
K2SX/1	141,708	495	84	C
K1KI	116,444	376	86	C
KA1WIF	35,292	237	51	C
N4XR	8,172	65	36	C
WA1MBK	4,180	71	20	C
NR1L (+KA1QAS,KC1ZN)	188,250	700	75	D

Eastern Massachusetts

K8JLF	16,687	139	41	A
KB2R	116,578	530	77	B
NB1B	115,068	376	86	B
W1FM	2,925	67	15	B
N6EK/1	40,596	278	51	C

Maine

NY1S	38,650	773	50	C
KA1UEH	1,078	34	11	C
WA1WPR	720	28	9	C

New Hampshire

WJ1X	47,750	271	50	A
KQ1U	20,522	178	31	B
KB1AJY	40,480	292	44	C
KD1AW	20,498	206	37	C
KB1T	17,934	112	59	C

Rhode Island

K1PLX	27,693	413	72	B

Vermont

WE1U	39,216	250	43	A
WW1R	4,403	63	17	B
NW1S	117,710	498	79	C

Western Massachusetts

KZ1M	175,316	584	82	A
AA1EY	27,824	178	47	B
WE1B (+KA1EUX,WF1L)	116,374	686	62	D
KB1W (+NET)	57,971	465	29	D

W2

Eastern New York

AA2GS	74,998	306	77	A
K2ONP	61,053	369	47	A
KF2JA	31,213	228	49	A
N2BA (K8HVT,op)	617,856	1267	128	C
K5NA (+KU2Q,KY2J,JA9SSY)	666,624	1480	128	D
WI2N (+AA2BJ,WI2E)	196,740	590	90	D

NYC Long Island

WM2V	115,344	406	81	B
WA2SYN	40,590	270	45	B
K2KTT	8,274	104	21	B
N2QAN	6,216	89	24	B
KA2HMJ	116,802	583	54	C

Northern New Jersey

W1GD	180,395	441	109	A
N2INN	6,345	61	27	A
WB2K	352,108	844	113	B
WA2VYA	168,102	542	99	C
AA2EM	27,267	129	61	C
N2KJM	14,040	141	40	C
WA2WYR	13,545	91	43	C
W2GD (+NET)	98,945	431	77	D
N2FHC (+NJ2Y,NX2Q)	15,369	93	47	D

Southern New Jersey

WA3RHW	8,500	80	25	B
AB2E	131,740	508	70	C
N2PLE	82,170	262	83	C
K3JGJ	23,136	118	48	C
KN2T (+KD2I,KN2L,N2RHM)	403,920	560	110	D

Western New York

KB2DE	29,172	161	52	B
KW2J	87,725	437	55	C
W2OMV	19,775	169	35	C
WØVU/2	3,916	44	22	C

W3

Delaware

NY3C	44,900	304	50	A
WN3K	132,164	541	76	C

Eastern Pennsylvania

W3BGN	110,260	456	74	A
WT3P	19,647	163	37	A
KA3QLF	90,714	331	78	B
KB3TS	48,216	205	56	B
AA3CN	3,834	73	18	B
KL7HIR/3	61,380	300	66	C
N3CZB	225	29	3	C
KS3F (+NET)	397,167	1103	123	D

Maryland DC

WZ3Q	377,330	1044	97	C
W3CPB	28,861	199	49	C
K3TLX	9,225	79	41	C
W3TUX	2,710	85	10	C

Western Pennsylvania

WW3S	23,664	145	48	B
W3YEY	15,279	127	33	B
N3GSC	8,190	63	30	B
N3NCS	2,329	39	17	B
WBØIWG/3	16	2	2	B
K3UA	10	3	2	C

W4

Alabama

W4NTI	6,486	48	23	A
KK4SM	78,408	302	81	C

Georgia

KI4XO	64,972	281	74	A
K4PIC	33,894	303	42	A
AC4PQ	2,329	43	17	A
KD3GC	20,034	116	53	B
WG4P	2,041	55	13	B
KN4QV	94,389	517	73	C
KB4GID	70,915	409	65	C
K4BAI	41,232	323	48	C
W4ZYQ	29,187	125	69	C
W4BTZ	774	36	9	C
W4AQL (WA4ABY,N7FYT,KØDI,ops)	395,460	1210	117	D

Kentucky

WA4QMQ	31,374	207	42	A
AB4IQ	12,847	105	29	B
N4XM	91,874	422	71	C

North Carolina

N4ZC	246,468	503	141	A
KQ4XP	35,840	172	40	A
KC4ZZC	17,748	139	36	B
KB4MIL	9,693	99	27	B
WN4BBJ	5,523	75	21	C

Northern Florida

W4WTO	21,996	190	39	A

South Carolina

KC4UH	58,900	322	62	A
W4JKC	11,592	140	28	C

Southern Florida

K8UNP	154,133	533	97	A
WD4AHZ	93,666	504	67	C
WB4TDH	68,736	184	96	C

Tennessee

AA4NU	141,911	501	97	B
KE2JO	133,668	454	94	B
KA4IWG	68,746	253	74	B
WB4PHW	7,502	101	22	B
K4LTA	284,695	913	97	C
N4IR	63,126	435	42	C
N1CWR	30,527	183	49	C
W4TYU	11,484	132	33	C
WA6KUI/4 (+KC4QFR)	36,846	263	46	D

Virginia

WB4UBD	8,091	63	29	A
WB2NQT	164,528	442	104	B
N4MM	105,161	340	83	B
N3RC	4,216	62	17	B
KT3Y	520,028	1185	116	C
WA4PGM	57,024	301	64	C
K4FPF	48,840	254	55	C
W2OFB/4	32,340	245	44	C
W4XD	30,358	232	43	C
K1SE	5,947	97	19	C

W5

Mississippi

KB5IXI (+NET)	11,692	110	37	D

W8

Michigan

AG8L	127,882	511	86	A
K8QLK	42,903	241	63	A
AA8AV	93,832	440	74	C
K8CV	6,144	74	32	C

Ohio

N8JQX	69,020	150	68	A
KB8NTY	14,924	168	28	A
KW8N	489,041	1043	133	B
N6WLX/8	184,675	634	89	B
N8LXS	280,462	894	91	C
NG8D	118,950	506	65	C
KW8J	51,597	287	63	C
K8SJ	41,305	253	55	C
W8IQ (+WD9INF)	313,017	801	103	D
WA8OSE (+N8JEC)	73,140	337	60	D

West Virginia

K8OQL	72,562	304	73	A
N8II	30,816	190	48	C
KV8S	12,460	110	35	C

W9

Illinois

K9MMS	117,925	475	89	A
NE0P/9	4,416	75	23	A
KD9CN	46,748	262	62	B
N9ROU	3,870	49	18	B
N9RUC	424	42	4	B
NA1R	121,380	486	85	C
KA1J	65,619	327	69	C
K9SD (KC9AL,WW9s L,Q,KAØGGI, KWØA,ops)	448,008	1020	132	D
N9LCR (+AA9GG)	49,952	323	56	D

Indiana

N9DHN	1,331	43	11	A
KBØC	23,862	142	41	B

Wisconsin

NE8J	66,633	394	57	A
K9QYC	11,832	114	34	A
KB9S	90,937	449	77	C
N9XX	34,476	269	52	C
W9HE	22,550	200	41	C

Zone 9

Maritime Newfoundland

VO1SF	67,984	288	56	C
VE1IW	15,024	172	24	C
W9OA/VE1	1,490	41	10	C

Quebec

NM7N/VE2 (+N4DDK)	47,600	360	40	D

St Paul Island

WV2B/CY9	51,243	515	29	A

Zone 11

Martinique

FM5CW	82,020	367	60	C

Dominican Republic

HI8OMA	52,536	400	44	B

Panama

HP1AC	54,670	216	70	C

Honduras

HR2JAE	3,332	58	17	B

Grenada

J3/CT3FN	2,517	83	14	A

Virgin Islands

K4VUD/KP2	41,268	284	38	B

Aruba

P40WW (KD6WW,op)	1,410,886	2161	134	C

Anguilla

VP2E/AA3B	369,375	1261	75	C

Turks and Caicos Islands

VP5JM	411,912	1076	108	B

Cayman Islands

ZF2JI (K4IIF,op)	202,020	676	78	B

Zone 12

Colombia

HK3JJH	379,428	923	84	B

Peru

OA4ANR	296,464	575	112	B
OA4ZV	121,952	350	74	C

Venezuela

YV5NCJ	87,768	500	36	B
YV1DRK	86,121	295	63	B
YV5NCK	29,792	162	38	B
YV4EYA	5,900	60	25	B
YV1OB	10,744	74	34	C

Zone 13

Brazil

ZV7A (YT1AD,op)	771,284	1315	122	A

Fernando de Noronha

PYØFF	1,580,436	2082	156	C

Zone 14

Chile

CE5BPE	5,115	45	33	B

Argentina

LU6ETB	606,320	906	143	B
LU2NI	280,398	583	102	B
LU2QC	71,820	515	28	B
LU2DKN	25,550	115	50	B
LU4FD	220,155	691	65	C
LU1EWL	540	14	10	C

Zone 15

Brazil

ZW5B (PY5EG,op)	1,649,071	2091	163	B
PY2APQ	27,878	116	53	B
PY2HF	5,597	47	29	C
PRØR (PP5s ATA,JD,JR,WG,ZYZ, ops)	347,248	828	88	D

Zone 18

Norway

LA8KHA	73,521	367	63	B
LA2EIA	28,098	225	42	B
LA9DFA	9,996	149	21	B
LA3WEA	6,916	88	28	B
LA2AD	5,439	85	21	B
LA4YW	167,258	592	91	C
LA7DIA	33,402	261	38	C
LA2HFA	32,391	195	61	C
LA6PB	20,515	133	55	C
LA3UG	18,392	132	44	C
LA5AP	6,838	95	26	C

Aland Island

OHØBVF (OH2BVF,op)	87,462	588	43	C
OHØ/LA9HFA	16,660	337	17	C

Finland

OH6WZ	719,468	1291	164	A
OH2BLF	182,160	547	110	A
OH7NW	46,728	242	66	A
OH1EH	692,664	1442	147	B
OH3OJ	470,465	1275	115	B
OH6SU	40,968	181	72	B
OH2PM	675,240	1169	170	C
OH6NIO	395,280	976	120	C
OH3AB (OH3MMF,op)	358,912	918	128	C
OH8LAE	296,584	680	131	C
OH2YL	28,458	156	54	C
OH3NM	18,944	158	37	C
OH6UP	250	13	10	C
OH5PA	20	2	2	C

Market Reef

OJØ/OH1VR (+OH6LI,AH6MM)	408,270	1500	93	D

Denmark

OZ5ABD	18,468	123	54	A
OZ1APA	16,660	104	68	A
OZ9AAR	127,300	537	76	B
OZ5EV	112,332	312	111	B
OZ2ZZZ	67,875	281	75	B
OZ9SIG	22,272	166	48	B
OZ1ACB	11,254	111	34	B
OZ1FMO	2,800	42	28	B
OZ8RO	69,881	267	67	C
OZ8XO	2,033	41	19	C
OZ5DX	630	18	7	C
OZ5UR	245	15	7	C

Sweden

SM6NJK	515,304	1088	153	A
SM3JLA	270,020	772	115	A
SM3PZG	257,408	609	128	A
SM3AF	22,568	154	52	A
SKØHB (SMØSYP,op)	198,360	702	87	B
SM3LIV	64,050	303	70	B
SM7HSP	7,308	81	28	B
SM6AHU	3,474	63	18	B
SM7TUG	240,464	675	112	C
SM3CCM	122,496	408	96	C
SMØBDS	63,536	272	76	C
SKØPR (SMØDZH,op)	37,446	160	79	C
SM5DUT	32,509	181	59	C
SM5RE	21,417	197	33	C
SLØCB (SM1TDE,SMØs MXO,NZY, TXT,ops)	583,968	1378	132	D
SKØHS/5 (SM5ARL,SMØMPV,ops)	190,008	527	117	D

Zone 19

European Russia

RZ1AWF (RV1AO,UA1AKM,ops)	485,013	1160	127	D

Zone 20

Asiatic Russia

UA9XF	90,060	345	60	A
RA9XF	29,970	217	30	B
UA9XL	16,000	115	32	B
UA9XC	80,256	405	44	C
RA9XX	49,024	332	32	C

Zone 21

Asiatic Russia

RAØBR	14,456	124	26	B
UA9KDZ	32	4	4	C
UZ9KWI (UA9s KCJ,KDZ,KEK,ops)	2,352	37	16	D

Zone 26

Asiatic Russia

4K4POL/A	48,300	267	42	C

Zone 27

Ireland

EI/G4BUO	46,421	275	61	C

France

F5NBX	4,266	85	18	A
F5PXQ	152,720	532	92	B
F5PRH	89,120	352	80	B
F5PCX	59,792	258	74	B
F8WE	57,222	273	66	B
F1MYH	55,887	445	39	B
FE1JBF	36,504	234	52	B
TM9C (F5IN,op)	521,500	1455	100	C
F1OIE	221,254	656	113	C
F6IIE	199,264	630	104	C
F5RAB	34,782	193	62	C
F6EQV	12,880	141	28	C
FD1SIH (+FD1ROP,F5PGP)	731,393	1656	127	D
FF5OJ (FD1s RRX,RWM,ops)	271,309	825	97	D
FD1RXL (+F1OZF,F6LQJ)	102,600	698	54	D
F/N9HZQ (+YO4FLJ)	77,626	351	74	D

England

G4KIV	344,894	889	122	A
G4PKP	337,952	966	118	B
GØKTN	14,448	105	48	B
GB8ZZ (K1ZZ,op)	1,046,760	1748	165	C
G3SWH	210,786	575	84	C
G3SXW	162,588	486	102	C
G3ESF	145,635	465	95	C
G3DFV	66,112	321	64	C
G4MVA	57,750	252	77	C
GØ/WC6U	14,080	146	32	C
GØNKL (G7JTT,GØs FOD,MPJ,OFD, SBV,SZI,ops)	50,176	306	49	D

Northern Ireland

GIØKOW	742,560	1752	136	A
GIØSAP	52,416	396	36	B

Scotland

GMØECO	734,544	1643	144	B
GM3BCL	23,464	144	56	B
GM3CFS	41,496	290	42	C

Wales

GW4BLE	52,377	305	51	B
GWØAJI	25,434	183	54	B
GW3CSA (G1AOF,G4WSE,GØs IEQ, KXL,ops)	253,092	955	64	D

Belgium

ON4ACW	33,488	207	56	A
ON6TT	947,760	1547	165	B
ON5GQ	147,680	460	104	B
ON9CJM (WQ2M,op)	105,210	385	90	B
ON4SS	56,932	303	42	B
ON5CZ	28,210	163	62	B
ON7BJ	25,600	324	32	B
ON4BR	8,896	94	32	B
ON6CW	181,240	572	92	C
ON4ALW	90,153	325	53	C
ON4ZD	82,770	304	89	C
ON4AHI	72,933	350	69	C
ON4ASW	62,720	304	70	C
ON4KFM	55,176	251	66	C
ON4KRO	52,796	286	67	C
ON6TJ	9,112	100	34	C
ON6AH (+ON5PV,ON6MH,ON7PC)	579,988	1375	122	D
OT3B (ON4OE,ON6VK,ops)	191,412	694	78	D
ON5II (+NET)	31,950	154	71	D

Netherlands

PA3FNE	155,290	500	106	A
PA3BBP	49,290	264	53	A
PAØIJM	225,533	897	77	B
PAØMIR	106,488	379	102	B
PAØKHS	63,796	278	82	B
PA3GAB	28,236	543	52	B
PA3CWR	12,750	147	30	B
PA2ALF	5,529	101	19	B
PAØDJ	3,480	66	20	B
PA3BTH	25,110	164	54	C
PA3GBQ	19,912	154	38	C
PI4TUE (PA3s EZL,GBU,GBV,GEZ, GIQ,4S6DU,ops)	309,232	984	88	D
PI4COM (PA3s BBP,DMH,ERC,GBQ, PBØAIU,ops)	276,500	913	100	D

Zone 28

Croatia

9A3ZO	34,397	254	59	A
9A2TX	10,498	126	29	B
9A/OK2QX	42,210	285	67	C
9A1CLH	19,082	159	47	C
9A3SM	12,390	118	42	C
9A1A (9A2s AW,DQ,HL,HO,LJ,MP, MY,NJ,RA,SD,YW,9A3NR, PA3DZN,ops)	1,470,084	2464	154	D
9A1CED (+ops)	212,006	1128	71	D

Federal Republic of Germany

DL3VZL	131,565	461	105	A
DL7VOG	116,287	385	103	A
DL2AYI	78,126	384	87	A
DF2UQ	74,400	338	80	A
DK2OY	72,576	340	84	A
DLØMFL	45,980	223	76	A
DL1DWT	35,200	160	80	A
DL6CIA	25,925	125	61	A
DL1EV	24,402	102	83	A
DL1ATO	20,075	118	55	A
DL7DE	19,608	109	57	A
DL5JRA	14,703	170	29	A
DL6DVU	6,903	140	39	A
DL8PC	621,560	1124	164	B
DL2ARD	381,612	884	154	B
DL9JDT	253,920	644	115	B
DL6KY	131,040	421	117	B
DL1EK	123,900	502	75	B
DG3BAF	121,770	351	165	B
DL6ET	108,388	416	79	B
DL8OBQ	103,584	411	96	B
DL1JPL	91,432	370	88	B
DL8SDC	47,530	259	70	B
DL3PP	40,144	270	52	B
DL8MEJ	38,934	258	63	B
DJ4FU	22,857	167	57	B
DF5NF	19,089	111	63	B
DK3ML	14,541	61	37	B
DL1HSR	11,417	101	49	B
DF5BX	8,815	89	43	B
DL3HWW	8,456	84	38	B
DK7IN	8,446	98	41	B
DL3IV	7,560	80	42	B
DKØUL (DL2SDQ,op)	1,740	48	15	B
DL3WB	1,350	35	18	B
DL6KVA	262,960	600	152	C
DL2OAP	167,121	671	93	C
DL2DXX	156,728	531	88	C
DL1JF	130,152	403	102	C
DK3GI	128,583	383	117	C
DL4VAD	123,840	272	64	C
DL4HRM	114,930	488	90	C
DL7CF	103,500	285	115	C
DL1TH	87,744	320	96	C
DL3JZN	71,500	260	100	C
DL7BQ	65,610	324	81	C
DL3AWJ	60,188	270	82	C
DL7VOX	53,580	198	95	C
DL5SVB	50,735	267	73	C
DJ1FH	50,400	268	60	C
DL7VBM	43,656	216	68	C
DL1ZQ	39,813	230	69	C
DL1ALN	34,496	226	64	C
DJ6BN	32,656	226	52	C
DL2RUG	26,390	173	58	C
DL4JYT	21,318	138	57	C
DL2HRA	18,200	128	50	C
DF3QN	9,768	108	37	C
DL2VLA/P	8,674	101	36	C
DL2DRZ	8,225	59	47	C
DJ5GG	2,208	62	13	C
DJ2YE	1,808	53	16	C
DL1ARJ	1,260	34	15	C
DL3KWR	1,106	31	14	C
DL3DRN	70	24	18	C
DL7UFR	48	4	4	C
DKØBP (DL2MEH,DL3KDV,ops)	707,664	1278	184	D
DKØOG (DL2RMC,DL3MBG, DF7RG,ops)	373,888	1105	127	D
DLØGVM (DL1SWG,DL4s SUA,SVA, DJ6TJ,DK7XS,ops)	363,357	927	141	D
DL9AW (+DL2OBO,DL3OBL)	281,050	813	108	D
DLØMBG (DL1AUB,DL8s AKA,AYI, ops)	212,976	74	108	D
DAØHDM (DK3EP,DL9s GFB,GKJ, ops)	121,968	653	88	D
DFØFHW/P (DH1s PAA,PAZ, DH2FAZ,DL5PK,DL8WM,ops)	117,504	472	96	D
DLØSOP (DL3KUD,DL8KWS,ops)	105,659	493	83	D
DL5XAT (+DL9XAT)	44,480	271	64	D

Hungary

HAØMM	199,404	2366	242	A
HA5CAC	1,287	55	11	B
HA8RH	553,401	1175	153	C
HA5MY	500,214	1106	159	C
HA7TM	332,696	1000	104	C
HA4FB	196,745	679	109	C
HA9SU	111,650	434	77	C
HAØDD	84,480	295	96	C
HA8AT	38,340	302	45	C
HA6NW	13,630	153	29	C
HA4FV	7,758	216	18	C
HG73DX (HA1s AH,DAC,DAE,TJ, TW,HG1DAI,ops)	3,195,000	3862	250	D
HA1KRR (HA1s DRR,XO,XU,ZN, ZZ,ops)	331,763	1068	103	D
HA3KHC (+ops)	268,254	852	126	D
HA5KEH (+HA5BVD)	146,762	624	77	D

Switzerland

HB9AAA	286,770	620	121	B
HB9DX	132,714	466	101	C
HB9DFY	67,200	280	84	C
HB9CVO	38,226	202	69	C
HB9KC	5,973	61	33	C

Liechtenstein

HBØ/DL7VOA	251,275	704	115	C

Italy

IQ2A (I2UIY,op)	178,344	649	72	A
IUØPAW (IKØSHF,op)	167,286	581	98	A
IK2VJF	42,104	200	76	A
IKØTXF	9,936	154	27	A
IBØC	525,625	1215	125	B
IN3ZNR	481,500	1089	125	B
IR3S (IV3TQE,op)	453,914	927	146	B
IK1HSS	184,788	610	116	B
IIØJ (IKØJMS,op)	66,726	433	66	B
IV3FSG	59,345	233	83	B
IK6RHT	38,286	263	54	B
IKØSHE	38,216	205	68	B
I8IQM/IL7	26,411	251	49	B
IK2UCK	22,715	155	55	B
IK2FXA	15,288	118	49	B
IK5PWC	10,092	128	29	B
I4CSP	5,880	67	30	B
IK4RSK	3,125	51	25	B
IKØLSV	2,700	44	25	B
IK2RDS	2,363	45	17	B
IKØHBN	234,000	670	117	C
IØZUT	228,228	694	114	C
IK5TSS	144,886	396	131	C
IK8EJN/IL7	66,002	500	61	C
IKØADY	57,333	233	87	C
IK3QAR	43,344	242	56	C
IK2IKW	10,752	92	42	C
IR2W (I2s EOW,VXJ,IK2s CFH,EGL, OHG,ops)	1,060,785	2015	165	D
IK6BOB (+I6FLD,IK6QON)	685,131	1583	139	D
IO2L (I2OKL,IK2s NCJ,PFL,QEI,ops)	641,060	1501	140	D
IQ1A (+NET)	396,417	949	129	D

Sardinia

ISØOMH	82,880	510	70	C

Bulgaria

LZ1ZX	332,296	873	146	A
LZ3HI	142,272	644	96	A
LZ1OQ	116,753	562	91	A
LZ2VP	63,294	1005	42	A
LZ2FM	35,278	225	62	A
LZ2HM	75,816	376	78	B
LZ1DM	14,186	140	41	B
LZ1BJ	352,933	1105	127	C
LZ6C	101,516	458	82	C
LZ2DL	50,064	214	84	C
LZ1FJ	192	10	8	C
LZ5W (LZ1s BP,DB,MC,OJ,PQ,YE, LZ3s NO,ZZ,ops)	1,737,120	2425	231	D

Austria

OE1KYW	46,020	307	60	A
OE1MBB	68,797	273	89	B
OE3EMN	211,932	566	126	C
OE9SLH	28,920	146	60	C

Czech Republic

OK1FKV	117,782	485	94	A
OK2DB	113,904	345	112	A
OK1KT	112,528	447	104	A
OK2VWB	88,255	303	95	A
OK1ZTW	69,120	302	80	A
OK1AUJ/P	65,886	341	79	A
OK2SWD	31,561	281	37	A
OK1JDJ	1,258	24	17	A
OK2KMR	61,746	274	82	B
OK1BB	34,224	268	46	B
OK2PCL	27,744	254	34	B
OK2BJL	2,190	52	15	B
OK1XW	266,978	673	131	C
OK2BPO	131,131	537	77	C
OK1MNV	77,910	263	98	C
OK2BWJ	75,129	388	79	C
OK1FHI	71,810	311	86	C
OK1FPS	67,991	296	31	C
OK2BND	60,656	338	68	C
OK1FPG	34,203	360	39	C
OK2BNF	30,459	303	39	C
OK2PLH	18,845	280	91	C
OK1AXB	11,820	115	30	C
OK1AOU	6,230	71	35	C
OK2PJD	5,586	94	21	C
OK5A (OK2s PSZ,PZW,ops)	842,340	1726	139	D

Slovakia

OM3YLA	152,460	540	99	A
OM3CDZ	93,054	480	78	A
OM3YCA	92,496	361	94	A
OM3TEG	37,422	230	63	A
OM3CTX	15,204	162	42	A
OM3CRH	17,820	119	60	B
OM3CCC	105,833	417	91	C
OM3TAY	26,122	264	37	C
OM3CAB	19,639	195	41	C
OM3CNS	8,025	94	25	C

OM3TUM	3,120	82	20	C
OM3KFF (OM3s TLU,TPG,TRG,ops)	913,869	1805	153	D
OM3RKA (OM3s CPC,CQR,TDP, TTZ,ops)	785,876	1247	182	D

Slovenia

S57UN	198,378	690	103	A
S53AA	129,065	539	83	A
S51DX	108,576	464	78	A
S58MU	53,061	315	73	A
S52AA	1,309,126	1919	182	B
S53EA	1,008,120	1824	155	B
S53ZO	384,356	1000	106	B
S57BU	227,395	735	89	C
S57JZ	37,736	290	53	C

Poland

SN3A	613,284	1236	149	A
SP4DCR	124,200	523	108	A
SP9TCE	111,265	369	119	A
SP2ZFJ/P	108,438	442	93	A
SP2UKB	53,200	286	56	A
SP6NIC	29,072	226	46	A
SP7SEW	95,694	486	82	B
SP7FQI	42,705	229	73	B
SP6NVK/3	34,938	243	54	B
SP1EOI	25,197	227	37	B
SP4CUF	24,745	201	49	B
SP8OON	22,000	221	40	B
SP6MLX/P	11,648	154	28	B
SP1RKM	68	7	6	B
SP6YAQ (SP3ASN,op)	754,120	1308	170	C
SP7GIQ	547,208	1064	146	C
SP9BBH	190,476	544	117	C
SP2AYC	143,055	520	99	C
SP2FOV	105,200	440	100	C
SP5YQ	97,632	290	113	C
SP5CJQ	91,440	434	80	C
SP4EAK	65,504	424	46	C
SP6CDP	32,382	215	63	C
SP1AEN	29,150	184	55	C
SP3DIK	19,694	131	43	C
SP3NYG	13,170	163	30	C
SP3AOT	9,612	91	36	C
SP8LZC	9,520	106	40	C
SP5UAF	2,163	43	21	C
SP5CGN	1,260	36	14	C
SP9MDY	371	25	7	C
SP3PLD (SP3s CB,FLR,IBM,SBB, ops)	302,068	774	148	D
SP9ZKN/P (SP9MQB,SP9-0620-BB, ops)	24,376	237	44	D
SP6YFU (SP6s NVK,OPE,ops)	9,152	108	32	D

Greece

SV2BFN	90,048	625	67	B

Bosnia Herzegovina

T91DNO (T94LP,op)	122,175	337	75	C

Romania

YO3FF/P	54,720	261	76	A
YO5BQ	44,072	315	56	A
YO4AAC	10,260	166	30	A
YO7LFV	128,256	590	96	B
YO3RU	121,360	506	89	B
YO9FNR	38,502	243	62	B
YO4DIJ	13,299	199	31	B
YO2LIM	10,744	164	34	B
YO5BWI	9,418	118	34	B
YO4KCS	8,432	131	31	B
YO8ROO	3,180	65	20	B
YO5CLN	1,634	48	19	B
YO8BPY	24,766	185	61	C
YO5DAS	13,050	195	50	C
YO8AZQ/P	11,168	159	32	C
YO3FWC/P	8,600	164	25	C
YO2LIN	4,464	122	24	C
YO9FJW	3,784	92	22	C
YO2CJX	380	40	5	C
YO4KCC (YO4s FTC,FZQ,ops)	14,904	150	46	D

Yugoslavia

YT7TY	550,788	1146	158	A
YT7A (YZ7UN,op)	755,090	1508	161	B
YT1MI	4,556	100	17	B
YT1BB	553,380	1326	138	C
YU7SF	83,265	353	91	C
YU7XM	60,075	270	75	C
YTØT (YU1RA,op)	51,786	280	63	C
YU1HA	17,416	95	56	C
YU1PJ	9,843	63	51	C
YU1GR	9,010	54	53	C
YU1PM	7,803	51	51	C
YU1AGX	54,605	277	67	D

Macedonia (former Yugoslav Republic)

Z32BU	62,500	554	50	B

Zone 29

Lithuania

LY2IJ	961,665	1729	183	A
LY1DS	808,494	1577	183	A
LY2OU	451,836	1127	132	A
LY1DI	108,329	474	87	A
LY2BTA	54,439	781	49	A
LY3BBC	17,152	184	32	A
LY1BA	453,033	1015	153	C
LY2PAQ	136,618	566	83	C
LY1CN	64,454	370	74	C
LY3BY	11,480	144	35	C

European Russia

UA3RAR	839,581	1277	199	A
UA3DPX	401,571	1053	139	A
UA4LCQ	218,665	697	101	A
UA1TAN	160,230	612	98	A
RA3RFH	81,690	405	70	A
UZ3EWZ	49,855	276	65	A
RA3DFP	41,106	384	39	A
UA6BPJ	193,494	646	102	B
UA4NC	117,900	405	100	B
UV3DCR	83,168	276	113	B
RA3RK	61,915	353	61	B
RW3DW	31,280	782	40	B
RA3DNC	10,808	143	28	B
UA4AVN	4,655	106	19	B
RA3XO	283,290	714	142	C
UV6LNW	162,526	588	91	C
UA3YAO	150,100	541	100	C
RA3PP	125,045	505	89	C
RA3XA	96,280	390	83	C
RA4HRL	60,900	264	75	C
RA6YJ	55,015	173	85	C
UV3DRU	52,332	166	98	C
RA1WJ	14,856	243	24	C
UA3MIF	13,020	213	20	C
UA1TFG	12,213	75	59	C
UA3VRP	8,932	147	28	C
R6L (UB3IW,UB5IBG,UA6s LFQ,LO, LV,UV6LPL,UA6-150-1403,ops)	1,667,160	2362	220	D
UZ6AXS (RW6YZ,UA6s AJU,AQA, ops)	1,581,085	2333	209	D
UZ3DZD (RV3DA,UA3-142-1896,ops)	152,334	509	103	D

Ukraine

RB5FF	1,313,435	2263	205	A
US5I (RB5IM,op)	1,155,684	1899	193	A
UT4UZ	1,022,286	1748	201	A
UB4FXX (UB5FJA,op)	473,480	1140	152	A
UBØJZ	438,520	1071	152	A
UB5FAN	329,853	975	129	A
RB4EK	212,520	685	110	A
UY5TE	177,057	641	103	A
UB5PCU	115,623	501	87	A
RB4INR	76,104	338	84	A
UB4LRQ	63,448	191	88	A
RB4EO	53,568	306	62	A
RB5ICY	24,822	264	42	A
UB5WCF	12,122	153	38	A
UB5PAC	8,375	73	35	A
UT5HP	1,292	20	17	A
UB5ZME	414	31	9	A
RB5DX	591,345	1234	153	B
UB5ZBF	50,765	253	71	B
UB3IAA	31,978	172	59	B
RB5TBS	9,400	66	40	B
US8I (RB1IZ,op)	955,890	1589	195	C
UT5UGR	949,975	1569	185	C
UB7VA	508,599	1084	161	C
UB4HO	482,875	1106	125	C
RB5ZM	473,760	1053	160	C
RB5LJ	333,405	760	155	C
UB3IQ	204,764	701	103	C
UB3ICB	156,180	549	95	C
UB5EF	143,967	518	111	C
UT5UIA	143,289	583	87	C
UB4LCB	142,416	606	86	C
UB5MTM	131,040	419	104	C
UB5ZKG	118,508	388	106	C
UB5IQW	102,120	519	74	C
UB3IEW	45,420	287	60	C
UB5JNW	43,890	336	42	C
UB5QLN	42,294	230	57	C
UB4III	40,736	289	67	C
UB5ANK	39,216	309	48	C
UB4IBF	39,195	283	65	C
UB5ZKE	36,995	291	49	C
UB3MP	33,804	266	54	C
UB5MGX	22,876	206	43	C
UB5LBX	10,488	142	23	C
UB5INT	10,472	159	22	C
UT5UJY	4,470	140	15	C
UB5PDM	3,287	65	19	C
RB5ELM	3,081	105	13	C
UB5VK	1,952	36	16	C
UT5UQV	406	32	7	C
UY7E (UB3EC,RB5EL,UB5s ECE, EDU,EDX,EDY,ops)	1,683,045	2833	189	D
UR8J (UB2JQ,RB3JA,UB3JD, UB4JFJ,UB5JMR,UB7-067-2,ops)	1,416,780	2332	204	D
US7I (UB3s IM,IO,RB4II,ops)	1,138,080	2401	160	D
UT7W (UB5s WAN,WCX, UB5 068 997,ops)	685,740	1374	165	D

Belarus

UC1CWB (+ops)	221,000	775	104	D

Azerbaijan

UD8F	90,066	283	102	C
UD6DKW	37,440	262	48	C

Moldova

UO5OA	123,120	531	80	C
UO5ON	102,690	395	90	C
UO5OED	3,374	119	14	C

Latvia

YL2KO	288,750	856	125	A
YL2SW	48,895	337	55	B
YL2GUO	8,680	110	35	B
YL2GVW	5,518	72	31	C

Zone 30

European Russia

UA4WGU	33,030	386	30	A
UA4WEI	1,456	44	13	A
UZ4WWA (RW4WA,UA4s WA, WAN,ops)	753,641	1453	161	D

Asiatic Russia

RW9QA	55,118	222	62	A
RW9AB	259,200	579	96	B
UW9CL	101,952	335	72	B
UZ9CWY (UV9CAZ,op)	6,510	72	21	B
RW9SW	345,032	668	118	C
UA9AKS	53,680	217	44	C
RV9CE	28,520	151	46	C
UZ9CYA (+ops)	51,600	250	50	D

Kazakhstan

UL7OB	449,800	1004	104	B
UN9LCV	99	9	3	B
UL7IDX	76,322	289	62	C
UN9LX	14,835	225	15	C

Kirghizia

UM8MFO	25,410	186	33	B

Zone 31

Asiatic Russia

RZ9UA	1,176,751	1380	191	C

Kazakhstan

UN7FW	180,642	561	77	A
UL1RWR	13,888	114	28	A

Zone 32

European Russia

UZØSXF (UAØSUI,UWØSN,ops)	57,706	235	61	D

Zone 33

Asiatic Russia

RAØJX	11,544	188	32	C

Zone 34

European Russia

RUØL (UAØLS,UAØ-103-454, UAØ-107-696,UWØLZ,ops)	521,934	1307	102	D

Zone 36

Madeira Islands

CQ3A (CT3s BD,EE,FH,HA,ops)	382,418	755	107	D

Azores

CU3/NØFHL	167,676	558	89	B

Canary Islands

EA8BWW	137,844	452	63	B
EA8BGY	80,388	299	58	B
EC8AXM	68,640	416	33	C

Zone 37

Portugal

CT4NH	1,348,032	1694	168	B
CQ2K (CT1ESV,op)	548,548	2155	52	B
CQ6AHU	300,033	1209	51	B
CT1BWW	99,351	341	63	B

Spain

EA3EJI	204,300	461	100	B
EA3GHQ	56,782	303	58	B
EA3ACB	47,481	265	57	B
EA3GJH	47,096	259	58	B
EA3GFQ	41,644	250	58	B
EA5GRC	26,080	202	40	B
EA1FEN	24,882	222	39	B
EA9RA/7	22,704	200	33	B
EA1AHA	19,096	149	44	B
EC3CIL	15,606	287	18	B
EA1EXU	13,104	110	42	B
EA3GIW	3,636	137	9	B
EA5GJM	3,484	83	13	B
EC3CMT	450	25	6	B
EA5WU	163,246	801	62	C
EA7FZ	58,424	246	67	C
EA3BOW	44,416	207	64	C
EA7BY	22,410	159	45	C
EA3AAI	7,364	180	14	C
EA2CKP	5,346	60	27	C
EA3GF	111	9	3	C
ED5URN (EA5s CKP,GPP,EC5s CVA,CYJ,ops)	134,290	559	65	D
EA2BSJ (+EA2AM)	34,624	164	32	D

Ceuta and Melilla

EA9KQ	28,840	168	35	B

Zone 38

Egypt

SU2MT (+ops)	933,312	1980	96	D

Zone 39

Israel

4X/S59PR	1,862,764	2458	163	A

Cyprus

C49C (5B4s ADA,LP,SA,WN,ops)	2,077,507	2943	149	D
5B5E (+ops)	1,000,130	2020	103	D

Saudi Arabia

HZ1HZ	394,056	787	104	C

Zone 41

India

VU2UR	30,360	138	55	A
VU2KAN	18,901	74	41	B

Zone 44

Taiwan

BV2A	26,220	149	46	C

Korea

HL93AP	15,469	139	31	C
HLØK (HL1s LME,LUL,ODG,HL2IDN, HL3EAT,ops)	55,990	294	55	D

Hong Kong

VS6BG	201,432	608	84	C

Zone 45

Japan

JH7PKU	446,939	1027	107	A
JK1GKG	122,490	389	90	A
JR4GPA	107,267	497	67	A
JF3PLF	55,037	265	47	A
JA1BUI	34,816	148	68	A
JL4CMT	29,988	217	42	A
JE2NWN	25,220	117	52	A
JE4VRF	21,385	111	47	A
JH1JGZ	8,153	69	31	A
JA4RTX	7,980	54	35	A
JA3JOT	6,075	63	25	A
JG1RDV	5,150	50	25	A
JK2VOC	4,032	98	18	A
JI7OED	2,416	51	16	A
JA1XPU	793	19	13	A
JA9XAT	430	15	10	A
JA1AAT	204	10	6	A
JAØQNJ	257,798	716	83	B
JA7BEW	140,712	455	96	B
JH7QXJ	87,230	355	55	B
JA2BNN	78,116	358	59	B
7K2DOD	53,400	256	50	B
JH1UUT	31,552	142	58	B
JR1MRG	2,442	27	22	B
JR7LVK	2,124	40	18	B
JAØAD	1,695	27	15	B
JAØAW	1,260	27	12	B
JH1RMH	800	26	10	B
JA2BEY	720	18	10	B
JH3AKD	704	24	11	B
JA2GHP	696	22	12	B
JA7JH	606	21	6	B
JE1LGY	486	16	9	B
JH2WHS	288	14	9	B
7KICPT	192	8	6	B
7LIMFS	162	9	6	B
JJ4GTY	110	10	5	B
JH3UYC	100	12	5	B
JG1GCO	80	6	5	B
JR3KAH	48	4	4	B
JE2IFM/1	27	3	3	B
7N1HFK	27	3	3	B
JA3WFQ	4	2	2	B
JF3WNO	1	1	1	B
JA7DLE	163,422	616	63	C
JH7XGN	125,712	375	72	C
JA9CWJ	107,568	340	72	C
JI3BFC	92,994	359	66	C
JA1BNW	91,904	304	64	C
JF3IUC	90,320	313	80	C
JH1HRJ	78,708	263	84	C
JK1AJX/1	76,000	299	76	C
JA5APU	68,156	374	44	C
JK1GXU	63,798	277	62	C
JA1WYQ	59,570	205	74	C
JA3ARM	59,563	251	67	C
JI1MTF	38,936	176	62	C
JA5CKD	33,000	164	55	C
JR1IOS	28,755	99	81	C
JA2OJ	15,130	101	34	C
JAØBQB	12,243	85	33	C
JK7KCC	12,075	97	35	C
JR7CJO	11,480	88	35	C
JFØSGW	8,128	80	32	C
JA8HBO	7,890	57	30	C
JK1BSM	7,680	60	30	C
JA4BAA	6,708	66	26	C
JA8AJE	5,400	53	24	C
JA6BWH	4,225	41	25	C
JHØEPI	3,344	63	16	C
JI1RCB	3,339	37	21	C
JF1SQC	2,717	35	19	C
JA2FNY/1	2,430	33	18	C
JL1URS	2,256	45	16	C
JL1EUP	2,106	38	13	C
JE3CYH	2,025	39	15	C
JA3TBT	1,876	33	14	C
JF1LKM	585	15	13	C
JE1REU	525	15	7	C
JR4ISK	495	15	11	C
JH1NXU	400	12	10	C
JF3XMI	85	9	5	C
JJ3YBB (JA3PJL,JE3TXA,JH3FQF, JR7OMD,ops)	339,492	708	114	D
JHØZHQ (JH1s BBT,SBE,JG1RVN, ops)	305,660	636	124	D
JA1YKX (JG1EGG,JK1WHK,JQ1s PCT,VNM,JH7AHD,7K1LWR,ops)	290,472	748	98	D
JA9YAV (JF2MXF,JR9GXQ, JA9-3017,ops)	50,898	250	51	D

Zone 46

Nigeria

5NØMVE	612,144	1087	117	B

Niger

5U7M	676,813	1355	103	A

Ivory Coast

TU5DX	886,816	1674	107	B

Zone 47

Central African Republic

TL8NG	84,101	463	37	B

Zone 48

Kenya

5Z4FO	238,342	566	89	A
5Z4BI	820,704	1656	93	B

Zone 50

Philippines

DU9RG	230,400	549	90	B
DU7AFT	372	14	6	B

Zone 52

Angola

D2EYE	12,857	115	23	A
D2SA	280,080	1179	48	B

Zone 53

Malawi

7Q7XX	964,541	1801	109	C

Zimbabwe

Z21HS	12,499	91	29	C

Zone 54

Indonesia

YB6INU	13,312	106	26	A
YB1ARW	79,750	306	55	B
N6QLQ/YB5	71,160	252	60	B
YB6AVE	286,779	563	109	C
YB6TI	85,566	446	39	C

Zone 55

Australia

VK8BE	570	19	6	B
VK8AV	185,170	412	97	C
VK4TT	14,256	124	24	C

Zone 57

Lesotho

7P8SR	16,640	172	20	C

South Africa

ZS6HO	4,180	47	20	B

Zone 59

Australia

VK2VM	103,380	365	60	A
VK5GN	74,965	285	55	B
VK2ARJ	44,400	368	25	B
VK2DID	10,740	87	30	B
VK2APK	442,720	910	102	C
VK2AYD	238,293	603	83	C

Zone 60

New Zealand

ZL3GQ	708,698	1205	122	C
ZL2AGY	136,916	546	52	C

Zone 61

Hawaiian Islands

KH6FKG	273,636	842	66	B
NH6XM	63,315	291	45	B
KH6GMP	35,516	224	34	B
AH6JF	85,800	322	55	C
AH6LV (+AH6IO,WH6BC,KJ9U)	405,748	972	86	D

Zone 63

French Polynesia

FO5IW	444,904	1194	76	B

Zone 65

Tuvalu

T24JJ (JF2MBF,op)	1,140	57	4	C

Marshall Islands

V73SG	37,091	263	29	B

Zone 75

Northwest Territories

VE3UWC/VE8	21,230	209	22	A

Checklogs

4L1UN, AA4WX, AB6ED, CR3R, DF1IAZ, DF3OL, DF5WN, DKØCS (DJ1XT,op), DL1ART, DL1JEI, DL2SZA, DL3AZM, DL4LXM, DL5ANS, DL5AWJ, DL5LRA, DL6CHG, DL6RDE, DL7VEE, DL8ZWG, EA1EMZ, EA2ABM, EA4AAK, EA7GBD, EA8BXQ, ER7Z, F6FGZ, G4UOL, GØOHW, HA1TK, HL5BUV, IK3SCB, IK4TVQ, IK5TBK, IK8LWA, IT9NVA, JA1JLP, JR1XKU, KI3L, KL7UA, LA1CCA, LA2GCA, LA2IZ, LA2MV, LA4JHA, LA7IJ, LA8CE, LA8DY, LA9FFA, LAØCX, LU3HAT, LY2BIP, N6TCZ, NSØB, OA4ZV, OE6IMD, OH5LBR, OK1DWJ, ON5FW, OX3ZM, OZ1EUO, OZ2JI, OZ5PA, OZ7QB, PA3ADI, PAØTV, PAØUV, PY2EYE, PY2GTB, SM5OL, SM6FPZ, SM7TV, SMØCSX, SP-0189-GD, SP2EIW, SP4SHW, SP6FER, SP6RGB, SP7VCA, SP8FHM, SP9CLO, SV1ATW, UA9FYT, UB5XAN, VE6EDS, YO6-13838, YO8CRU, YO8KOS.

Feedback

See February 1993 *QST*, pp 105-108. In the W/VE listings, KW8N (WZ8N) was phone-only, and not Mixed mode. This makes him the third place, W/VE, phone only; and K5ZD the tenth-place winner in the mixed-mode category.