Results, 1987 ARRL International DX Contest

C'mon sunspots!

By Billy Lunt, KR1R Contest Manager, ARRL HQ and Mark Burke, KA1MIS
Assistant Contest Manager, ARRL

his year's ARRL International DX Contest shows that participation is again on the increase. Go sunspots! From looking over the contest results from the last sunspot cycle until the present, it is clear that the amount of participation is in direct proportion with the number of sunspots. HQ received a total of 2782 logs this year, marking an increase of 391 logs over last year and an increase of 435 over 1985. Although conditions were not ideal for the 1987 Contest, we received both good and bad reports. The worst complaint was probably a high level of noise on the bands along with the lack of band openings. On the other hand, KB1XD boasts of great conditions on 40 meters and KW6Q says that he doubled his score from his last years's effort. A comparison look at all the scores shows that there was a slight increase over last year's scores.

W/VE contesters, phone and CW alike, enjoyed working new countries for multipliers while increasing their country totals for the popular Golden Jubilee DXCC Award being offered this year. This undoubtedly was a factor in some of the large scores of DX entries. Whatever the factor, multiplier hunting is not only fun but imperative for a win, along with high QSO totals. Twenty meters again this year supplied the most multipliers and QSOs. Ten and fifteen both showed slight increases as the sunspot numbers went up. Also, the low bands increased on the ability to supply multipliers.

W/VE Highlights

This year's W/VE single-op CW plaque was a battle of the Northeast with the entire top ten scores over 1.2 million and seven out of the ten from "1-land." Bob, KQ2M, guest oping at KM1H's NH station, won the CW plaque with a comfortable 28k edge over second place winner Stu, KC1F also from NH. Tom, K1KI, from CT, earned a respectable third place win with 1.6 million points.

Although the scores were a bit lower on phone, the fight for the plaque was just as fierce. Veteran John, K1AR, took the plaque by beating out the field of five Northeast single op stations occupying the top phone spots. Second place CW winner Stu, KC1F, was also the runner up on phone with 1.49 megs just ahead of Jeff, K1ZM with 1.46

The low power class (150 W or less) was won again this year by Gus, VO1MP, on CW bettering his last year's score by 26k. Second place honors go to NØDH and third to W2TZ. Fred, W2TZ, not only accomplished 3rd on CW, but managed to move up the ladder

from 4th place last year to capture the first place phone spot this year. Second place phone goes to K8NZ and third to N5AW.

The top QRP winners are unchanged for 1987 with NN4Q on CW and K3WS on phone. W8VSK moved up a notch from 3rd in '86 to 2nd place QRP CW this year. KD6PY claimed the runner-up QRP phone spot for 1987.

The single-band activity was plentiful

during both CW and phone weekends. In the CW battle, K1ZM took first place on 160-meters with 16k. W1FV reclaims the 80-meter crown again this year with 150k points. K4XS made a good showing to win the 40-meter spot with 194k. K1RM was the 20-meter winner with 336k. W5VX was tops on 15 scoring 17k and K9LZ/5 was the 10-meter plaque winner with 3k. During the phone weekend, K5UR edged out WB9HAD

Affiliated	Club	Program

Unlimited Category	Score	Entries	CW Winner	Phone Winner
Yankee Clipper Contest Club	42,740,277	76	KM1H(KQ2M)	K1AR
Frankford Radio Club	40,844,525	85	N2LT `	KT3M
Northern California DX Club	7,890,282	56	K6DR	WZ6Z
Southern California DX Club	7,826,064	66	W6AE	KM6B
	.,020,00		13000	100000
Medium Category	10.010.000	40	KCOCIO	KEOA
Potomac Valley Radio Club	13,612,836	42	KC8C/3	KE9A
Mad River Radio Club	9,366,051	21	K3LR	K8AZ
North Texas Contest Club	6,331,089	19	N5RZ	N5JB
Dixie DXers	5,016,132	20	WX4G	NQ4I
Eastern Iowa DX Assn	4,009,791	46	WØWP	KFØH
Murphy's Marauders	3,838,596	17	K1ZZ	K1WA
Kansas City DX Club	3,208,671	15	WØJLC	N7DF
Grand Mesa Contesters	3,104,517	11	WØKEA	KØUK
Western Washington DX Club	2,266,491	29	NN7L	NN7L
Southeastern DX Club	917,751	16	WN4KKN	W4DXI
South Jersey Radio Assn	444,984	15	W2PAU	W2PAU
Local Category				
Overlook Mountain ARC	4,176,459	9	K2UR	KY2J
Texas DX Society	3,768,846	8	N5IVF	N5JJ
Central Virginia Contest Club	3,352,011	8	N4HB	NK4J
Hoosier Contest Club	2,374,017	4	W9RE	W9RE
Carolina DX Assn	1,607,679	8	N4IR	N4ZC
Boiled Owls of New York	1,395,327	6	K2LE/1	W2GGE
Northern Alabama DX Club	1,202,175	8	KR4F	WZ4F
	1,181,760	5	KD3RD	KD2TT
Long Island Contest Club	1,014,018	5 9 7	KA7FEF	K5MM/7
Willamette Valley DX Club Northern California Contest Club	738,480	7	WE6G	KI6CG
Dauberville DX Assn	665,352	9	K3ZLK	KQ3V
		3	W2TZ	W2TZ
Rochester (NY) DX Assn Central Arizona DX Assn	661,974 596,805	9	WA7KLK	KC7V
		3	K7LXC	K7GEX
Rubber Circle Contest Club	581,460	4	KØZX	WØOSK
Colorado Contest Conspiracy	462,648	6	AKØM	WØHBH
Mississippi Valley DX/Contest Club	461,352		N6ND	N6AW
San Diego DX Club Western New York DX Assn	456,336	9	W2FXA	WB2ABD
Western New York DX Assn	423,951	5 7	NT5G	WB5SSD
Delta DX Assn	355,674	6	NE6I	NE6I
Southern California Contest Club	353,925		N5EPA	N5EPA
Northern New Mexico ARC	317,460	3		K1EFI
Long Island DX Assn	315,192	10	K2YGM W8RSW	W8RSW
Ohio Valley ARA	312,429	5		K5DB
Alamo DX Amigos	272,988	7	K5DB	
Columbus ARA	266,346	5	K9ALP	W8NPF
Fox River Radio League	252,597	5	K2OWE	K2OWE
Southern Florida DX Assn	246,231	3	W400	K8UNP
Albany ARA	241,743	3	N2AIF	N2AIF
Four Lakes ARC	209,091	3	N9BUS	N9BUS
River City Contesters	204,768	3	KV6H	KV6H
Redwood Empire DX Assn	171,186	5	K6ZUR	N6OJ
Steel City ARA	138,882	3	-	N3DHC
Northern Ohio DX Assn	125,457	3	N8BC	N8BC
Greater Milwaukee DX Assn	118,287	3 7 .	N9AW	N4TZ
Eastern Michigan ARC	109,086	7 .	AC8W	N8CQA
Society of Midwest Contesters	88,857	8	W9REC	AG9E
Central California DX Club	67,560	3	W6BYH	W6BYH
Penn Wireless Assn	53,850	3	_	K3TX_
Utica ARC	44,139	4	T. 121	KE7KF
Rappahaunnock Valley Radio Club	35,868	4	KA4RLJ	KA4RLJ
DX Assn of Connecticut	25,470	5	AB1U	AB1U
Great South Bay ARC	2,907	3	_	N2GYN

							2.9
Top Ten—W/VE F	hone						
Call	Score	160	80	40	20	15	10
K1AR KC1F K1ZM KT3M W3BGN W9RE KM6B N2LT N2IC/0	1,584,375 1,492,542 1,462,860 1,301,724 1,235,874 1,227,963 1,111,560 1,070,118 993,510 908,988	40/32 32/27 47/36 38/32 36/28 34/22 21/17 26/22 21/12 13/11	100/57 92/48 176/66 117/58 102/58 96/51 78/42 84/46 68/36 47/29	102/56 62/41 96/51 123/54 96/43 117/51 548/38 92/47 175/36 402/32	1264/117 1459/110 1119/111 1025/104 1071/109 989/107 403/71 1044/106 542/92 354/69	99/51 96/44 102/43 91/47 77/43 122/49 482/52 75/35 468/48 587/54	20/12 17/13 18/8 24/11 24/12 39/13 38/16 20/10 56/35 33/16
Top Ten—W/VE (cw						
Call	Score	160	80	40	20	15	10
KM1H (KQ2M, op) KC1F KC1F K1K1 K1TO N2LT K1AR AA1K K1BW W3BGN K1CC	1,763,715 1,735,344 1,628,928 1,462,272 1,453,140 1,399,398 1,352,295 1,312,038 1,309,608 1,296,822	73/41 51/37 32/24 38/28 25/21 27/24 53/34 45/30 45/34 47/28	365/62 301/64 246/60 268/58 156/53 242/58 378/58 337/58 236/58 274/53	323/67 410/69 476/79 362/62 448/68 447/75 314/56 298/61 365/52 314/63	1087/90 1006/87 955/83 1195/79 1048/84 847/86 882/74 899/79 994/73 995/77	52/35 69/41 62/41 33/22 60/37 57/36 60/33 45/29 44/32 45/31	15/12 17/14 21/16 8/7 18/13 11/7 14/10 14/10 9/9 7/5
Top Ten—DX Ph	one					***********	
Call	Score	160	80	40	20	15	10
V31CV HR6A (WB5VZL, op) 8P6B ZF2JR 6Y5V (Al6V, op) XE2KJ (AA5B, op) 4M4A CE3BFZ WR6R/KH6 EA9IE	7,844,760 6,697,920 5,996,823 5,807,826 5,446,647 3,451,476 3,131,208 2,720,340 2,398,320 2,029,302	407/55 328/52 172/41 404/54 383/53 87/31 117/37 0/0 45/20 86/34	1367/57 947/56 915/55 889/57 1272/53 878/54 457/47 216/46 604/56 520/45	1106/57 1045/56 747/55 894/58 508/53 680/54 474/50 224/48 383/40 207/44	2464/58 2183/57 2252/58 2090/58 2352/58 2416/55 1498/56 954/55 1429/58 1507/55	2251/57 2021/56 2203/57 1640/56 1570/55 762/41 918/56 1379/57 1134/54 727/44	329/46 453/43 352/35 389/24 154/19 11/3 304/34 797/48 119/12 0/0

Top Ten—DX CW							
Call	Score	160	80	40	20	15	10
P4ØGD (W2GD, op) NP4A (NP4Z, op) PJ9J 4M4A (K3UOC, op) XE2KJ (AASB, op) EA8RCT (OH2BH, op) K5KG/LU XE2GBD (N6EK, op) OK1ALW N4RP/C6A	4,808,259 4,585,602 3,678,819 3,039,858 2,471,382 2,224,218 2,062,341 1,333,116 1,134,420 1,105,188	309/51 268/52 290/49 132/43 85/36 79/33 1/1 80/27 69/25 99/31	673/54 489/55 404/51 389/48 397/51 449/49 80/28 278/44 257/41 279/46	1116/57 1163/57 739/54 706/53 802/53 606/48 302/51 564/51 634/47 350/52	961/57 1166/58 865/57 1317/57 1027/55 1497/57 809/56 572/53 1058/57 466/55	1478/57 1257/56 1211/55 955/55 868/54 551/45 1029/56 442/47 26/15 363/49	456/45 303/51 434/45 107/25 14/9 1/1 608/51 13/6 0/0 4/3

by 2k to win the 160-meter plaque. W5WMU won the 80-meter plaque by scoring 29k. W6AQ (WA6OTU, op) was tops on 40 meters with 70k. On 20 meters, it was VO1SA with 643k. Fifteen-meter winner was West Coaster K6SVL. Ten-meter champ was KE5FI with

The multioperator class showed close competition again this year. In the multi-single class, K3KG and crew edged out K1YR by only 33k for the CW plaque. K3TUP with 1.7 megs won the phone plaque, beating 2nd place N3RS by 341k. The state of Texas boasts of both multi two-transmitter class winners for 1987. NR5M in STX took the CW plaque beating N3RG by 24k. K5RX in NTX with 2.8 megs won the phone plaque by beating K2TR with 1.9 megs. In the multiunlimited class W3LPL and crew, last year's winner, won the CW crown easily again this year scoring 3.4 million points to outdistance runner up W3GM, who scored 1.8 million points. Last year's multi-two winner, K4XS and crew, tried multi-multi phone in '87 to the tune of 2.6 million points and won the plaque, beating the second place team, NR5M, with 2.4 megs.

DX Highlights

The DX battles proved to be fierce again in '87 with only a few points separating the winners. P4ØGD (W2GD, op), with 4.8 million points, managed to edge out NP4A (NP4Z, op) with 4.5 megs to win the single op CW plaque. The phone plaque was a bit of a runaway with V31CV winning by 1.2 megs over second-place HR6A (WB5VZL, op).

The DX multiop crews had their work cut out for them with tough fights in all classes. In the multi-single class, the CW plaque winner was ZF2KE with 4.5 million points, edging out second place winner K5NA/KP2 with 4 megs. The phone plaque was won by NP4CC with 6.8 million points, beating runner-up PJ9J with 6.6 million. The CW multi-two plaque was won easily by XE2FU scoring 5 million points to beat second place winner GB4DX with 1 million. The multi-two plaque winner, K2SS/VP2V, scored 8.9 million points to outdistance the runner-up, JA1YWX, with 703k. The multi-multi

Top W/VE Si	ngle-Bar	nd Scores—Pl	none
160		20	
K5UR WB9HAD WA4SVO VE1BNN AB1A WØZV W2FCR KF4HK N8ATR K3UA	14,310 12,126 8,910 6,216 5,883 4,896 3,840 3,744 3,600 3,240	VO1SA K1RU AK1A W7WA N7TT K4XS W3YY W4XJ N7DF W8TWA	643,560 515,040 453,675 451,572 309,060 226,368 223,344 223,200 158,013 142,140
80 W5WMU KW8N KS9K KN5S N3AHF K3ND K7UR N9BUS KC8PQ K1HKI	29,736 17,820 14,841 10,332 10,209 6,930 4,836 4,680 2,997 2,808	15 K6SVL K6VL K6VC K3RV K3KG WB5UDX K1RM WA2QNW WS50 KØZX	154,566 73,788 62,436 59,427 57,324 42,582 39,321 31,785 31,455 28,905
40 W6AQ (WA6OTU, op) KA5W K4RIG KØDD K5KT/6 K8XR K2DM W9CH K8PO K1IK	70,875 40,863 31,980 29,646 29,298 27,360 24,024 17,442 13,662 12,420	10 KE5FI N4EJW (N4EJV, op) WA7KLK K9LA/5 KD1U K1UO W3PWO WA6TKT KE2N KN8D	22,680 12,288 6,006 3,192 1,764 1,260 1,044 495 462 180

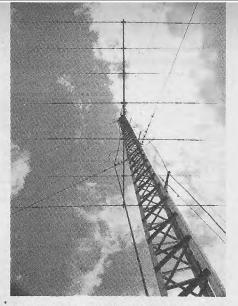
160		20	
K1ZM	16,560	K1RM	336,900
K4TEA	8,760	K1RU	289,170
W1NG	6,156	KØRF	240,219
N4IN	4,608	K2SS	204,750
N4SU	4,500	WD8LLD	191,241
K1IK	3,444	K9QVB	173,376
WØZV	2,925	KJ9D	162,810
K3UA KJ9I	2,652 1,680	W5FO WØYK	151,164 139,308
VE3INQ	1,596	N6GG	126,480
	1,000	NG2X	112,890
80	0220120	15	,,
W1FV	150,696	10.00	70 400
N4ZC KC1Q	112,860 89,043	W5VX K1ZX	78,192
KD2RD	69,540	N6ND	65,700 43,746
K2SX	15,867	N4VZ	43,680
WB2ABD	10,944	WB4TDH	42,411
W4VQ	10,323	W5AC	12,111
WØUO	9,660	(WQ5C, op)	26,928
W6BIP	9,207	WB5UDX	17,670
KV8Q	8,505	WD8AUB	15,141
40		KE7C	12,519
K4XS	194,400	N4TG	9,576
WN4KKN	180,810	10	
W7EJ	170,718	K9LA/5	3,060
WØUA	137,592	WB7FDQ	2,520
KU2C	123,516	W5VLX	2,160
N2DT	102,837	KD1U	1,782
NE6I	95,178	WB8JBM	
K2KIR	50,820	(KW8N, op)	1,488
K5RR	40.075	N4JF	1,350
(WD5K, op) K4FU	48,675 43,281	W8AKS/6 K4RDU	594 462
11410	43,201	KE2N	210
		W4DRK	189

CW plaque winner was KH6XX (4.2m) and second place winner was 4N2E (1.5m). The multi-multi phone plaque fight was a bit closer. VP9AD (6.4m) squeezed out KH6XX (6.0m) for top honors.

Affiliated Club Competition

This year four clubs made it to the Unlimited Category. The Yankee Clipper Contest Club got it together and scored 42 million points to beat rival Frankford Radio Club by 2 million points for the gavel. The Potomac Valley Radio Club returns for another year as Medium Club Category winners with a combined score of 13 million

Top W/VE Multio	perator Sco	res—Pho	one				
Single Transmitter							
Call	Score	160	80	40	20	15	10
(3TUP I3RS	1,742,004 1,399,380	36/28 30/28	110/56 120/63	119/51 128/57	1467/126 945/108	75/45 135/61	19/12 47/15
(1CC VB2ULI	1,215,396 1,109,469	39/31 18/16	81/52 122/64	82/49 54/36	1059/106 1174/105	98/49 67/33	19/7 4/3
NØXA	1,067,346	38/29	105/51	119/45	691/96	173/56	56/24
wo Transmitter				Si.			
(5RX (2TR	2,811,240 1,967,868	57/39 62/42	159/64 129/63	302/69 163/57	927/116 1378/113	744/86 152/52	91/37 34/15
N3RG	1,817,244	45/35	184/71	135/56	1145/106	154/63	53/22
AA1K K9MWM	1,297,812 1,193,508	46/32 35/23	159/62 64/35	88/48 274/40	917/103 504/91	121/55 623/49	38/16 42/20
Unlimited							
KX4S	2,647,296	56/39	153/67	274/77	1565/125	200/59	56/16
NR5M W3LPL	2,427,696 2,297,061	36/25 69/41	125/57 312/77	379/65 183/58	921/110 1142/104	601/75 252/71	137/36 73/26
K5NA W3GM	1,590,177 1,571,328	51/35 41/34	94/53 107/56	86/44 140/57	1558/111 1023/108	75/33 161/64	9/7 64/22
Noaw	1,071,020	41/04	107700	140/07	1020/100	101/01	O WEE
Top W/VE Multio	perator Sco	ores—CW	l				
Call	Score	160	80	40	20	15	10
K3KG K1YR	1,464,300 1,431,102	41/33 34/25	165/53 364/53	343/64 413/63	884/81 857/85	172/53 57/38	22/16 160/10
N3AD K8AZ	1,283,130 1,144,746	33/24 26/20	204/59 210/58	466/64 310/61	867/83 843/77	36/27 55/31	8/6 18/14
KY1H	1,129,464	31/25	275/53	255/62	910/76	34/30	3/3
Two Transmitter							
NR5M N3RG	2,598,114 2,574,000	25/20 54/34	173/55 527/65	722/79 680/79	1192/94 1207/90	348/76 112/54	43/22 20/8
N3RS	2,535,456	48/34	429/70	617/80	1155/96 1209/93	126/58 86/47	26/14 21/14
K2TR KS8S	2,191,140 1,715,112	87/41 42/31	290/58 299/73	527/76 321/73	897/90	81/52	13/9
Unlimited							
W3LPL	3,418,959	86/40	597/74	887/86	1237/98	160/60	40/21
W3GM K3OO	1,870,914 1,459,785	54/37 41/33	374/64 413/70	469/69 242/71	895/88 728/76	96/51 95/57	25/17 16/10
Single Transmitter Call NP4CC PJ9J VP2MU PJ0B XE2EBE Two Transmitter	Score 6,863,148 6,675,840 6,421,869 4,893,660 4,045,734	160 359/53 342/49 154/35 N/A 406/51	80 866/57 1180/57 1345/57 N/A 914/55	40 1190/57 786/56 1019/57 N/A 481/53	20 2538/58 1882/58 1973/58 N/A 1963/55	15 2284/56 2100/56 2749/55 N/A 1013/53	10 119/30 664/44 167/27 N/A 74/11
K2SS/VP2V	8,912,835	371/49 0/0	1601/57 167/16	1923/58 262/29	2603/58 967/57	3318/56 486/23	255/17 0/0
JA1YWX JA7YFB	705,750 611,433	0/0	172/19	294/30	818/56	373/18	0/0 0/0 0/0
JA7YAA JG1ZKO	423,576 218,139	0/0 0/0	174/19 27/8	234/17 117/15	700/54 461/50	224/16 152/16	0/0
Unlimited							
VP9AD	6,483,720	445/47	1636/56	1013/56	3563/58	936/53	17/14
KH6XX I3MAU	6,062,463 889,371	289/50 22/15	763/55 320/39	1761/58 93/23	1952/57 1794/56	1695/53 0/0	438/20 0/0
JA2YKA JA9YBA	809,580 471,096	0/0 0/0	170/22 89/16	251/26 207/22	1034/58 948/55	605/25 210/15	0/0 0/0
JASYBA			89/16	207122	948/55	210/15	0/0
Top DX Multiope Single Transmitter Call	erator Score	160	80	40	20	15	10
Single Transmitter Call ZF2KE	Score 4,509,960	160 341/52	805/54	1138/56	1417/58	1285/57	110/18
Single Transmitter Call ZF2KE K5NA/KP2	Score 4,509,960 4,065,984	160 341/52 251/48	805/54 697/54	1138/56 1076/55	1417/58 903/56		
Single Transmitter Call ZF2KE K5NA/KP2 J6CQ XE2EBE	Score 4,509,960 4,065,984 3,520,803 1,882,518	160 341/52 251/48 155/38 83/38	805/54 697/54 522/52 446/48	1138/56 1076/55 1136/55 595/53	1417/58 903/56 830/53 956/56	1285/57 1143/55 1334/55 506/43	110/18 274/44 17/30 7/4
Single Transmitter Call ZF2KE K5NA/KP2 J6CQ XE2EBE AH6AZ	Score 4,509,960 4,065,984 3,520,803	160 341/52 251/48 155/38	805/54 697/54 522/52	1138/56 1076/55 1136/55	1417/58 903/56 830/53	1285/57 1143/55 1334/55	110/18 274/44 17/30
Single Transmitter Call ZF2KE K5NA/KP2 J6CQ XE2EBE AH6AZ Two Transmitter	Score 4,509,960 4,065,984 3,520,803 1,882,518 1,062,465	160 341/52 251/48 155/38 83/38 1/1	805/54 697/54 522/52 446/48 106/33	1138/56 1076/55 1136/55 595/53 261/46	1417/58 903/56 830/53 956/56 714/54	1285/57 1143/55 1334/55 506/43 709/51	110/18 274/44 17/30 7/4 44/8
Single Transmitter Call ZF2KE K5NA/KP2 J6CQ XE2EBE AH6AZ Two Transmitter XE2FU GB4DX	Score 4,509,960 4,065,984 3,520,803 1,882,518 1,062,465 5,546,205 1,193,808	160 341/52 251/48 155/38 83/38 1/1 416/34 23/15	805/54 697/54 522/52 446/48 106/33 878/55 521/42	1138/56 1076/55 1136/55 595/53 261/46 1536/57 398/40	1417/58 903/56 830/53 956/56 714/54 1853/58 1265/58	1285/57 1143/55 1334/55 506/43 709/51 1007/58 54/21	110/18 274/44 17/30 7/4 44/8
Single Transmitter Call ZF2KE K5NA/KP2 J6CQ XE2EBE AH6AZ Two Transmitter XE2FU GB4DX JA7YAA JA7YFB	Score 4,509,960 4,065,984 3,520,800 1,882,518 1,062,465 5,546,205 1,193,808 670,599 585,888	160 341/52 251/48 155/38 83/38 1/1 416/34 23/15 0/0 0/0	805/54 697/54 522/52 446/48 106/33 878/55 521/42 186/35 123/19	1138/56 1076/55 1136/55 595/53 261/46 1536/57 398/40 424/40 432/36	1417/58 903/56 830/53 956/56 714/54 1853/58 1265/58 619/53 649/52	1285/57 1143/55 1334/55 506/43 709/51 1007/58 54/21 234/25 232/29	110/18 274/44 17/30 7/4 44/8 179/33 0/0 0/0 0/0
Single Transmitter Call ZF2KE K5NA/KP2 J6CQ XE2EBE AH6AZ Two Transmitter XE2FU GB4DX JA7YAA JA7YFB OH1AF	Score 4,509,960 4,065,984 3,520,803 1,882,518 1,062,465 5,546,205 1,193,808 670,599	160 341/52 251/48 155/38 83/38 1/1 416/34 23/15 0/0	805/54 697/54 522/52 446/48 106/33 878/55 521/42 186/35	1138/56 1076/55 1136/55 595/53 261/46 1536/57 398/40 424/40	1417/58 903/56 830/53 956/56 714/54 1853/58 1265/58 619/53	1285/57 1143/55 1334/55 506/43 709/51 1007/58 54/21 234/25	110/18 274/44 17/30 7/4 44/8 179/33 0/0 0/0
Single Transmitter Call ZF2KE K5NA/KP2 J6CQ J6CQ XE2EBE AH6AZ Two Transmitter XE2FU GB4DX JA7YAA JA7YFB OH1AF Unlimited	Score 4,509,960 4,065,984 3,520,803 1,882,518 1,062,465 5,546,205 1,193,808 670,599 585,888 165,048	160 341/52 251/48 155/38 83/38 1/1 416/34 23/15 0/0 0/0 1/1	805/54 697/54 522/52 446/48 106/33 878/55 521/42 186/35 123/19 37/14	1138/56 1076/55 1136/55 595/53 261/46 1536/57 398/40 424/40 432/36 89/23	1417/58 903/56 830/53 956/56 714/54 1853/58 1265/58 619/53 649/52 464/50	1285/57 1143/55 1334/55 506/43 709/51 1007/58 54/21 234/25 232/29 7/4	110/18 274/44 17/30 7/4 44/8 179/33 0/0 0/0 0/0 0/0
Single Transmitter Call ZF2KE K5NA/KP2 J6CQ XE2EBE AH6AZ Two Transmitter XE2FU GB4DX JA7YAA JA7YFB OH1AF	Score 4,509,960 4,065,984 3,520,800 1,882,518 1,062,465 5,546,205 1,193,808 670,599 585,888	160 341/52 251/48 155/38 83/38 1/1 416/34 23/15 0/0 0/0	805/54 697/54 522/52 446/48 106/33 878/55 521/42 186/35 123/19	1138/56 1076/55 1136/55 595/53 261/46 1536/57 398/40 424/40 432/36	1417/58 903/56 830/53 956/56 714/54 1853/58 1265/58 619/53 649/52	1285/57 1143/55 1334/55 506/43 709/51 1007/58 54/21 234/25 232/29	110/18 274/44 17/30 7/4 44/8 179/33 0/0 0/0 0/0



An interesting view of the tribander that Mike, K3UOC at 4M4A, used on both modes.

points to outdistance runner-up Mad River Radio Club by 4 million points. The Local Category was the closest race with the top four within 1.8 megs of each other. Last year's champs, The Overlook Mountain ARC, scored 4.1 million points to reclaim the gavel by edging out The Texas DX Society by only 400k.

There are a few changes in the Club Competition rules for next year. So, make sure you and your club check the rules for 1988 before making plans for Club Competition after Jan 1, 1988. Also, make sure your club sends in a list of eligible members to compete in the contest for your club and your ARRL Club Affiliation is up to date. See everyone again in 1988!

SOAPBOX

W/VE Phone

Thanks again for a fun weekend. CU next year (A13E). Wild, wild weekend on 10-meter phone! Biggest thrill was a band opening! (K1UO). Conditions not so hot—no propagation into Far East, Pacific and most of Russia (W1VY). Seventy-five-meter QRP is a lot of fun (AA2U). A 75-degree day outside is eastly Marsh and no propagation in day outside in early March and no propagation inside the shack—what a bummer! (WA2QNW). Who scheduled this thing while it was 75 degrees outside in March in New Jersey? (N4BNC). After a great amount of years, I got back into DXing. Enjoyed the contest in spite of low number of hours active (W9LSD). I thought conditions were poor for the CW weekend, but these were the worst ever! (W3VT). Tower and beam blew down in a windstorm during the night. I ended up putting up a multi-band doublet with high SWR and then the amplifier went out—a very sad weekend (W4YN). I did not even hear any Europe (W4AY). Happiness is . . . with all the whole US and Canada calling, being answered by TR8SA on the very first call (W4RKV). Had a lot of fun and I look forward to next year with better antennas and more power (WA5VAL). Worst general conditions I have ever seen for a contest; however BY1 on 75 meters made up for the lack of activity (WM5K). Just think of the fun we are going to have when the sunspots return! (KASPVB). I would like to thank all the DX stations who had the patience to listen for my 5-watt signal (WI5W). Thanks for a good time! (W5KA). Thanks for a nice contest, I enjoyed it (W7FP). Noisy the first night, quiet the second. I worked all Noisy the first night, quiet the second. I worked all the DX I heard except P29PR (K7IDX). Too bad the band foiled Sunday—Lots of fun Saturday! (KE7C). The one that really threw me was LU2DVI/"Hotel." I didn't know if it was a phonetic "H" or if he was operating from a hotel! (N8BC). A very good contest. The DX stations showed us US boys how good their operating skills are (KIØF). Ten meters was completely dead (WØACT). Next year I hope the contest doesn't coincide with the first warm sunny weekend of spring! (VE3GRA). Very tough to run SSB without an amplifier. Lots of action, however, and I was able to hunt and peck for 41 countries (VE3NBE). Fourteen MHz was the band (VE4RP). Only a handful of EU on 15. Can't wait for flux levels of 100 and up (K3TUP). A few Europeans on 15 or 40 would have put us over 1 million. I also climbed the 20-meter tower in freezing rain to repair a 160-meter dipole (WK6V).

W/VE CW

Gathering countries to fill out Golden Jubilee Award. Much fun (W2KTF). CATVI and a bored 9-year-old son didn't make this an easy contest (K2SX). I would have spent more time on the air,

Special Plaques

Single Operator W/VE Operator Combined Score
W/VE Low Power, Combined Score
Africa, Combined Score
Atlantic Division (CW)
Fifth Call Area (CW)
Great Lakes Division (Phone) Great Lakes Division (CM)
Japan (Phone)
Southeastern Division (Phone)
USSR All-Band (Phone)
USSR All-Band (CW)

Multioperator

Caribbean Multi-Single (Phone) Caribbean Multi-Single (CW) Multi-Multi Combined World

ateur Radio

ateur Radio / and

KC1F W2TZ 9Q5NW AA1K N5RZ K8AZ W8UA JH7WKQ WZ4F UWØMF RB5WA

Winner

National Contest Journal Rochester DX Assn N4NW, AL7EL and KC4NC K2NY Memorial—Salt City DX Assn

K2NY Memorial—Salt City DX Assn
Red Stick DX Assn
Livonia Amateur Radio Club
Livonia Amateur Radio Club
Western Washington DX Club
Robert Garlough, KB4WU Memorial
AA6BB, K1KI, KA6V, NE8Q, W2MIG, W3XU
AA6BB, K1KI, KB1FK, KA6V, NE8Q,
SV0AA, W1FJ, W3XU, W5BOS, WB4TDH

W5MYA The YASME Foundation

W2PV Memorial—Schenectady ARA

DX Plaque Winners—Phone

Single Operator	Winner	Donor
World Africa	V31CV EA9IE	North Jersey DX Assn Kenwood Employees Amateur Radio Club, WD6DJY
Asia Europe North America Oceania	UWØMF OK1RI V31CV WR6R/KH6	Acadiana DX Assn Gerald Griffin, MD, W8MEP/6 Chod Harris, VP2ML Oregon Chordal Corps with
South America	4M4A	Doc Sayre, N7AVK Kenwood Employees Amateur Radio
1.8 MHz	CT1AOZ	Club, WD6DJY Fred Race W8FR in Memory of DL1FF, A 160 Pioneer
3.5 MHz	CU2AK	Kenwood Employees Amateur Radio Club, WD6DJY
7 MHz 14 MHz	9Y4AA KK9A/VP2V	Central Arizona DX Assn Don Wallace W6AM Memorial, Central CA DX Club
21 MHz	PY5IW	Ray Molony W2NCL Memorial, Long Island DX Assn
28 MHz	LU1E (LU3AJW)	William Fulcher, N4WF, and Middle TN DX ARC
QRP	YX3A	Gerald Griffin, MD, W8MEP/6
Multioperator, Sir	gle Transmitter	
World	NPACC	Clausanter County APC

World	NP4CC	Gloucester County ARC
Asia	JE2YRD	Kenwood Employees Amateur Radio
		Club, WD6DJY
Europe	I5NPH	Metro DX Club
North America	NP4CC	Nick G. Lash, K9KLR
Oceania	N1EE/KH6	Society of Midwest Contesters
South America	PJ9J	Kenwood Employees Amateur Radio

Multioperator, Two Transmitter

World	K2SS/VP2V	Kenwood Employees Am- Club. WD6DJY
Asia	JA1YWX	Kenwood Employees Ama
Europe	FF6LCJ	Tom Middleton, WB4CKY
North America	K2SS/VP2V	Joyce Middleton, KB4Ol John Brosnahan, WØUN

Multioperator, Unlimited

Vorld	VP9AD	H. J. "Hoppy" Hopkins, W4SHJ
		Memorial—Phil Sager, WB4FDT
Asia	JA2YKA	Kenwood Employees Amateur Radio
		Club, WD6DJY
Europe	I3MAU	ARRL
North America	VP9AD	Willamette Valley DX Club
Oceania	KH6XX	ARRL

W/VE Plaque Winners-Phone

With I laque W	mileto i none	
Single Operator	Winner	Donor
All Band 1.8 MHz 3.5 MHz 7 MHz 14 MHz 21 MHz	K1AR K5UR W5WMU W6AQ (WA6OTU) VO1SA K6SVL	Frankford Radio Club Butch Greve, W9EWC, Memorial Lance Johnson Engineering, KØCS David L. Thompson, K4JRB Dayton Amateur Radio Assn Kenwood Employees Amateur Radio Club. WD6DJY
28 MHz QRP	KE5FI K3WS	Windsor Amateur Radio Club Woodbridge Wireless Club—N4MZJ and KZ2E
Multioperator		

Si

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ingle Transmitter	K31UP	Kenwood Employees Amateur Radio Club, WD6DJY
wo Transmitter	K5RX	Kenwood Employees Amateur Radio
nlimited	KX4S	Club, WD6DJY Western New York DX

Assn-W2RR

DX Plaque Winners—CW

NP4CC ZF2KE

KH6XX

Single Operator	Winner	Donor
World Africa Asia Europe North America Oceania South America 1.8 MHz	P40GD (W2GD) EA8RCT (OH2BH) JE2YRD OK1ALW NP4A (NP4Z) VK9LT P40GD (W2GD) K8WW/VP9	North Jersey DX Assn ARRL Alamo DX Amigos Clarke V. Greene, K1JX W4KFC Memorial—PVRC Robert J. Halprin, K1XA Herbert Hoover W6ZH Memorial Jim Dionne, K1MEM and
3.5 MHz 7 MHz 14 MHz 21 MHz 28 MHz QRP	EABRL KP4FI LU8DQ HK1KYR HK3MAE YX3A	Bill Poellmitz, K1MM Mad River Radio Club Dr. William R. Staples, W4SME Bencher, Inc. Southern New England DX Assn Douglas J. Woolley, N4PW Woodbridge Wireless Club—KZ2E and N4MZJ

Multioperator, Single Transmitter

World	ZF2KE	George Schultz, WØUA and John Brosnahan, WØUN
Africa	ZS1CT	ARRL
Asia	JA1YWX	Kenwood Employees Amateur Radio Club, WD6DJY
Europe	IK2DVG	ARRL
North America	ZF2KE	Kenwood Employees Amateur Radio Club. WD6DJY
Oceania	AH6AZ	ARRL .

Multioperator, Two Transmitter

World	XE2FU	Tom Frenave, K1KI
Asia	JA7YAA	Kenwood Employees Amateur Radio Club, WD6DJY
Europe	GB4DX	Kenwood Employees Amateur Radio Club, WD6DJY
North America	XE2FU	John C. Kanode, N4MM

Multioperator, Unlimited

KH6XX	H. Stephen Miller, NØSM
JA9YBA	Kenwood Employees Amateur Radio Club, WD6DJY
4N4E	Texas DX Society
	JA9YBA

W/VE Plaque Winners—CW

All Band 1.8 MHz K1ZM Silly Lunt, KR1R and Mike Kaczynski, W1OD Dayton Amateur Radio Assn Northern Arizona DX Assn 14 MHz K1RM Fox Cities ARC, W9ZL, Appleton, WI 21 MHz W5FX Carl Luetzelschwab, K9LA W5MYA QRP NN4Q David Newkirk, AK7M Multioperator Single Transmitter K3KG W9BW Memorial—Northern Illinois DX Assn Two Transmitter NR5M W3LPL Colorado Contest Conspiracy	Single Operator	Winner	Donor
3.5 MHz W1FV Dayton Amateur Radio Assn 7 MHz K4XS Northern Arizona DX Assn 14 MHz K1RM Fox Cities ARC, W9ZL, Appleton, WI 21 MHz W5FX Carl Luetzelschwab, K9LA 28 MHz K9LA/5 W5MYA QRP NN4Q David Newkirk, AK7M Multioperator Single Transmitter K3KG W9BW Memorial—Northern Illinois DX Assn Two Transmitter NR5M Kenwood Employees Amateur Radio Club, WD6DJY			Billy Lunt, KR1R and
Single Transmitter K3KG W9BW Memorial—Northern Illinois DX Assn Two Transmitter NR5M Kenwood Employees Amateur Radio Club, WD6DJY	7 MHz 14 MHz 21 MHz 28 MHz	K4XS K1RM W5FX K9LA/5	Dayton Amáteur Radio Assn Northern Arizona DX Assn Fox Cities ARC, W9ZL, Appleton, WI Carl Luetzelschwab, K9LA W5MYA
Two Transmitter NR5M Kenwood Employees Amateur Radio Club, WD6DJY	Multioperator		
Two Transmitter NR5M Kenwood Employees Amateur Radio Club, WD6DJY	Single Transmitter	K3KG	
	Two Transmitter	NR5M	Kenwood Employees Amateur Radio
	Unlimited	W3LPL	

but four 12-week-old puppies take precedence! (KT2D). Eighty-meter QRP—a lot of fun (AA2U). Supporting the League and entering this contest are two things I take great pleasure in—regardless of sunspots! (NG2X). First contest from east of the Mississippi. Didn't even notice how bad 15 was because the low bands were like nothing I've ever heard! (KRØY). Great contest, but no time for it (W3HDH). In my 40 years of postwar DX contesting, I can't remember conditions as poor as they were (W3VT). Conditions very noisy

Top DX Sing	gle-Band	Scores—Phon	е
160		20	
CT1AOZ YU2TW IV3PRK	19,722 8,148 2,820	KK9A/VP2V HC1HC AL7CQ I4JMY	614,916 434,652 334,428
80 CU2AK EA7EL YV3BKC ZL2AFY ZL1AAS YU2CCY JM1BPP F6BDN R040A	121,176 71,070 66,096 39,456 37,008 26,826 16,686 9,570 2,652	CT1BOP K6GSS/KH6 YU3EO 11ZEU IO1EEW (11EEW, op) IØJBL 15 PY5IW	325,728 276,210 265,050 255,954 227,976 209,670 204,003
RB5DX 40 9Y4AA 10WDX LU4D JA2BAY 4N4L (YU4OO, op) CT3DL	2,256 364,008 95,739 62,646 44,415 34,524 17,340	HC1OT LU2E (LU8DPM, op) K5KG/LU HK3MAE NP4TB CX2AAL HK3JJH K2KTT/PJ7 CE4FXY	485,469 386,568 378,252 313,785 258,876 239,064 224,694 219,102 202,725
JH1AEP JAØUMV I4EWH VK2EKY	14,280 8,316 7,644 5,394	10 LU1E (LU3AJW, op) TI2CCC LU5UL LU1UAI	231,348 145,935 94,374 16,533

Top DX Sin	gle-Band	Scores—CW	
160		20	
K8WW/VP9	87,363	LU8DQ	293,538
YV10B	61,884	YU3EO	215,412
FG/W2KN	10,098	ISJSS	205,296
CT1AOZ	7,020	I1XPQ	201,096
G3XWZ/A	6,930	AL7CQ	169,974
YU2TW	6,408	YT3T	0.000
JF1NZW	192	(YU3BQ, op)	157,410
RA3DX	168	4N2V	156,492
UQ2GFB	75	YU1DX	139,878
JE1SPY	42	UA1ZO	131,040
80		LU5UL	127,512
EA8RL	106,950	15	
CU2AK	95,550	HK1KYR	175,770
OK3YX	56,244	YV5IWT	141,426
4N1W		9J2EZ	67,584
(YU1SV, op)	44,088	KH6WT	28,167
HA3MY	43,440	VK4XA	28,044
SP2JKC/3	29,484	JA9RPU	19,350
EA3AQS	28,728	WD5BJT/KP4	8,100
OK2BFN	21,522	YC3HCM	4,416
FF6LCT		JI3GAB/3	4,140
(F6HLC, op)	16,632	JA6YCU	
RO4OA	14,790	(JE6UWK, op)	3,636
40		10	
KP4FI	353,115	HK3MAE	2,052
IØJX	203,115	-JE1SLP	6
CX8BBH	141,426		
4N4L			
(YU4OO, op) YW7A	119,217		
(YV7QP, op)	105,924		
F6ARC	89,535		
JA7HMZ	83,202		

	<i>A</i>	
(F2)		
-		

83,202 82,767 67,536 66,621

Takeo, JR1GSE, was there in the JA pileups on phone.

DX Continental	Winners	-Phone				
Single Operator All Band 180 80 40 20 15 10 QRP	Africa EA9IE CT3DL TR8SA	Asia UWØMF JM1BPP JA2BAY JH7LRS JR7QKR JA2JSF	Europe OK1RI CT1AOZ CU2AK IØWDX I4JMY CU2CE — FD1BEG	North America V31CV	Oceania WR6R/KH6 ZL2AFY VK2EKY K6GSS/KH6 VK9NT/2 VK4UR	South America 4M4A
Multioperator						
Single TX Two TX Unlimited	Ξ	JE2YRD JA1YWX JA2YKA	I5NPH FF6LCT I3MAU	NP4CC K2SS/VP2V VP9AD	N1EE/KH6 — KH6XX	PJ9J — —

DX Continent	al Winne	rs—CW				
Single Operator All Band 160 80 40 20 15 10 QRP	Africa EA8RCT EA8RL EA8BCJ 9J2EZ EA8BIE	Asia JE2YRD JF1NZW UAØZCQ JA7HMZ JA3YCK (JH4RHF) JA9RPU JE1SLP 4X6IF	Europe OK1ALW CT1AOZ CU2AK IØJX YU3EO EA7AZA PAØADT	North America NP4A (NP4Z) K8WW/VP9 	Oceania VK9LT — AH6EK FO5JP KH6WT — VK5AGX	South America P40GD (W2GD YV10B — CX8BBH LU8DQ HK1KYR HK3MAE YX3A
Multioperator Single TX Two TX Unlimited	ZS1CT	JA1YWX JA7YAA JA9YBA	DFØRK GB4DX 4N2E	ZF2KE XE2FU	AH6AZ _	_ KH6XX

W/VE Low	Power To	p Ten (< 1	50 W)
Phone		CW	
W2TZ K8NZ N5AW WB3FYL KA2AJT KQ9L WØGOR W7YAQ KB3YJ WD6EKO	259,182 237,096 228,726 174,096 150,837 133,386 124,089 119,280 117,306 99,144	VO1MP NØDH W2TZ N5AW W6JTI VE1DH KR8Y WA1FCN K9UIY K9ALP	618,000 435,969 371,742 315,468 225,924 178,416 163,170 161,640 157,950 151,200

W/VE QRE	Top Ten		
Phone		CW	
K3WS	152,055	NN4Q	112,791
KD6PY	92,295	W8VSK	81,753
N6OJ	79,230	K1CGJ	72,765
KB7VD	59,013	KD6PY	58,032
WA8AGH	38,376	KW6O	54,900
AD7U	31,842	N1AFC	52,437
W6YVK	26,235	K4JM	51,273
N8CQA	22,470	W8IQ	42,612
KH6CP/1	8,505	WB2ENW	41,850
WA7TUX	7,668	AC8W	36,738

in southern USA (N4IN). I enjoyed the contest. See you again next year! (W5FO). Sunspot minimum—a logical time for monoband fifteen-meter effort; complete with fast-paced 10 QSO/hour average (K1ZX). I really enjoyed the contest and I hope to be in more (W5SUV). Wait until the sunspots change! (W5MW). Having missed winning the 10m CW plaque by 3 QSOs last year, I decided to make an all-out effort this year. Hopefully, not many other stations put forth 2 days to work only 51 stations! (K9LA/5). Lousy conditions (W6AE). Had high noise level, locally, which made the low bands difficult (W6BYH). Great fun! Conditions only fair, but still worked some new ones. Some openings on 10 helped, but you had to be quick to find them (N7HJM). First time in years I spent a few hours working the contest and I enjoyed it (K6RN). QSO points scarce—JA's made my weekend (W7KZK). I am getting the "DX" fever and hope in the next few years to operate from some exotic land! (W7DRA). Had a lot of fun. Wish I was a better op. Oh, well, next year! (NR8Y). Many countries missing. Conditions fair only (W8YGR). Biggest moment—working VU4APR on 40 meters for a new

TOP DX	IRP Scores	-Phone	
Call	Score	Call	Score
YX3A YV2NY VK4UR JA2JSF 4X6IF	86,142 70,560 52,182 27,219 5,382	FD1BEG JH7XGN EA6SK PA3DWA JR8UKI	4,896 2,520 1,332 540 306

Top DX Q	RP Scores-	_CW	
Call	Score	Call	Score
YX3A EA8BIE 4X6IF PAØADT SP5CJQ	561,120 72,891 26,085 13,176 11,877	OK1DZD YU1LM JA6GCE ISØLYN G3XWZ/A	11,136 10,170 8,640 7,533 6,930

one (WØKEA). I never thought I would enjoy contesting. Twenty meters was blood and guts, scratch and claw...but I loved it! (KDØEE). Contest provides a nice edge toward the DXCC Golden Jubilee Award—86 countries by the end of the contest! (VE3NBE).

DX CW

I enjoyed the contest, the first one made with this temporary call in the Ivory Coast (TU4CG). Dead



Carl, 6Y5V's operator, Al6V, finished third in the phone contest.

JA9NFO HA9RE XE2AHQ

Overall	Division	Leader
Phone		Division

CW VO1SA KT3M W9RE KCØCU W4XJ K8AZ K1ZM Canada VO1MP Atlantic W9RE KØSR Central Dakota Delta **Great Lakes** W8UA N2LT Hudson WØWP KM1H (KQ2M) Midwest New England K4VX/Ø (KM9P) K1AR NN7L Northwestern NN7L W6JTI W3VT KØRF WX4G K6NA KI6CG KE9A N2IC/Ø WZ4F Pacific Roanoke Rocky Mountain Southeastern Southwestern N5JB West Gulf N5RZ

Low-Power Division Leaders (<150 W)

Division CW Phone VO2WL (VO2AM) VO1MP Canada Atlantic Central Dakota W2TZ K9UIY KAØOMX W2TZ KQ9L ACØW K4JHT K4OAQ KR8Y Delta K8NZ K3FNW Great Lakes Hudson W2HLI AKØM WA1FCN W7YAQ W6JTI WBØYJT W1KRS W7YAQ Midwest New England Northwestern WD6EKO W8WVM Pacific WA4WKY Roanoke WØGOR N4JF Rocky Mountain NC50 NØDH Southeastern W6CN Southwestern West Gulf N5AW N5AW

QRP Division Leaders

Phone	Division	CW
K3WS AD7U WA8AGH AA2U WA8LHK KH6CP/1 KB7VD KD6PY WA7TUX KB4GID WI5W	Canada Atlantic Central Dakota Delta Great Lakes Hudson Midwest New England Northwestern Pacific Roanoke Rocky Mountain Southeastern Southwestern West Gulf	VE1NH WB2YOF K9EIJ — NU4B W8VSK WB2ENW KØGT K1CGJ K7SS KD6PY NN4Q K7UP KB4GID KW6O WA9FWO

band conditions from 0600 to 1300 daily greatly reduced the score (9Q5NW). Conditions were poor (HZ1HZ). I enjoyed this contest very much! I will enjoy every year as long as possible (JA2UOT). I had a very good time during the contest. I'd like to participate in the contest and work more stations next year (JH4UYB). Took part from JD1 last year, but this year from Japan. Better conditions from JA on 21 MHz than last year! (JM1LRQ). First time I tried my new indoor antenna on 20 meters. Was very surprised how it worked. A very enjoyable contest. See you in the next! (DL1MAY). Nice contest. I hope to work it again in 1988 (EA7AAW). Great Fun! (FD1JTL). Conditions can only get better next time (OH7RS). Thanks for a nice contest (OH6CD). I enjoyed the contest very much (ON6LO). Nice to work so many Ws, especially at 3.5 MHz (PA3BNT). Thanks for a very nice contest (PA3ACC). Not so much time to enjoy the whole contest, but still worth to join it for a few (PA3DUA). Good sportsmanship, gentleman-like, and a friendly contest! (PAØGG). Aurora spoiled the conditions and only those with BIG antennas

heard me (SM1CNS). In the first night propagation was not good. Why so few stations from W5 and WØ lands? (SP2JKC/3).

DX Phone

TVI in my neighbor's VCR did not let me work all



JA1ASO at the operating position of his neat shack.

the time I planned to (ED4DPK). No propagation in 21 and 28 MHz (EA65K). Very pleased to be back in the contest after a 10-year break! Hope to be better next year, with a complete antenna! (F6BDN). It was a great experience and I learned a lot (G4ZXC). Calling CQ and calling CQ contest for hours and just got two short openings! (IV3PRK). Thanks for the contest. The conditions were strange. I heard almost every station 59, but they couldn't hear me! (OH3GD). Nice contest. Hope to see you next year (PA3EOB). Good contest (PA3DWA). Thanks for a nice contest, but the aurora disturbed the working (SM3COL). Not so funny. Too much QRM/QRN, but will enjoy the test again next year (SM7TV).

Feedback

Please note the following correction to 1986 October OST results:

On CW, KJ3L was listed as an all-band entry; he should have been single-band 40.

Scores

The scores are listed by mode—phone and CW. For both W/VE and DX scores, single operators are listed first, followed by multioperator single-transmitter, multioperator two-transmitter, then multioperator unlimited. W/VE single transmitter scores are broken down by call area and ARRL Section. W/VE multi-single scores are broken down by call area only. All W/VE multiop two-transmitter and unlimited scores are grouped together in descending order by score. DX single-op and multiop scores are broken down by continent and country. Under each ARRL Section (and country for DX), single-op scores are listed in descending order by category. All-band scores are listed first, followed by 160, 80, 40, 20, 15, and 10-meter single-band scores. Each line score lists the following information: call, score, QSOs, multipliers, power output used (A = 5 W or less; B = 6-150 W; C = more than 150 W). The first station in each category (other than all-band) has a designator following the power indicator. Single-band entries are indicated by 160, 80, 40, 20, 15 and 10. For example, in Connecticut, the top all-band phone scorer is ND1X. The top low-power (150 W or less) entrant is KB1WR. KB1H has the top 40-meter single-band score, K1RU has the top 20-meter single-band score, and K1RM has the top 15-meter single-band score. KH6CP/1 has the top QRP score.

W/VE P	hone		W1FJ		332-113-C	W1RFQ	3,999-	100	31-B	N2GYN	2,640-		22-B	K2FL	183,762-	369-166-C
			K1CLN	98,553-		N1EIA	36-	4-	3-B	KA2RGI	36-	4-		N2VW	112,518-	266-141-C
			W1GIH	93,318-		Vermont				K2MFY	47,196-		69-B -20	K2OWE	106,272-	288-123-C
			NB1B	64,233-						WA2OVG	5,250-		35-C -20	W2PAU	89,310-	229-130-C
Connection	ut		K1HBM	47,700-	159-100-C	KD2EN/1	69,165-			AC2P	2,520-		24-C -20	W2FGY	51,360-	214- 80-C
ND1X	468,585-	801-195-C	KA1DWX	40,545-	159- 85-C	W1KQ	37,587-			WB2AMU	1,767-		19-B -15	K2OSV	35,520-	148- 80-C
W1QK	350,760-	790-148-C	WB1GEX	17,160-	110- 52-B	W3SOH	25,530-		74-B	N2GXY	231-	11-		K2LOO	9.360-	65- 48-B
K1WA	259,290-	430-201-C	KA1MI	7,830-	58- 45-B	K1HKI	2,808-	36-	26-C -80	KE2N	462-	22-	7-C -10	W2EA	2,664-	37- 24-B
K1IN	121,125-	323-125-C	W1FV	7,011-	57- 41-C	K1IK	12,420-	90-	46-C -40	Manthaus	Manu Janea			KA2KFO	960-	20- 16-B
WA1LVW	71,640-	199-120-C	KC1BC	4,992-	52- 32-B					Northern	New Jerse	У		K8XR	27,360-	160- 57-C -40
K1EM	42,240-	160- 88-C	W1PLJ	3,741-	43- 29-B	western i	Massachus	etts		N2LT	1,070,118-			WAZVYA	27-	3- 3-B -40
K1BV	39,960-	222- 60-C	KT10	2,520-	30- 28-B	KC1F	1,492,542-	1758-	283-C	W1GD	206,190-	395-	174-C	K2PS	17.700-	118- 50-B -20
W1DO	30,000-	100-100-C	AB1A	5,883-	53- 37-C-160	KZ1M	1,350-	30-	15-B	K3FNW	62,370-	198-	-105-B	W2GTN	900-	20- 15-B -15
KH6CP/1	8.505-	63- 45-A	K8PO	13,662-	99- 46-C -40					W2PHW	45,108-	179-	84-C	WZGTW	900-	20- 10-0 -10
N1CC	8,496-	59- 48-C	W1KRS	42,900-	220- 65-B -20	2				WB2HJW	32,190-	145-	74-C	Western N	ew York	
KB1WR	6.384-	56- 38-B		00000000						W9NTU	16,500-	100-	- 55-B			400 407 D
K1RX	3.024-	42- 24-C	Maine			Eastern N	ew York			WA2UDT	12,012-	91-	44-B	W2TZ		462-187-B
W1BWS	2.175-	29- 25-C	W1MGP	4,680-	40- 39-B	K1ZM	1,462,860-	1548-	315-C	KD2RC	11,592-	84-	- 46-B	WB2ABD	150,936-	331-152-C
AA2Z	1,920-	32- 20-C	K1UO	1,260-	30- 14-C -10	KY2J	492,228-	726-	226-C	KT2D	11,520-	80-	- 48-B	KA2AJT	150,837-	367-137-B
KB1H	8.547-	77- 37-C -40		A. A. G		N2AIF	86,394-	238-	121-C	AA2U	5,406-	53-	- 34-A	W2FXA		318-137-C
K1RU	515.040-	1480-116-C -20	New Ham	npshire		W2KHQ	37,884-	164-	77-B	WA2ASQ	4,998-	49-	- 34-B	W2FUI	31,416-	154- 68-C
K1EFI	53,760-	256- 70-C -20	K1AR	1.584.375-	1625-325-C	WASAFS	26,964-	107-	84-C	W2FCR	3,840-	40-	32-C-160	KB2SE	31,050-	138- 75-C
K1YXG	43.860-	215- 68-C -20	K1DG	720,114-	934-257-C	K2IBW	124,425-	525-	79-C -20	N3AHF	10,209-	83-	41-C -80	KK2B	16,380-	91- 60-B
AB1U	4,116-	49- 28-C -20	W2IQL	33,654-	142- 79-B	KC2QF	6,930-	70-	33-C -15	K2DM	24,024-	143-	- 56-C -40	W2FR	6,336-	48- 44-C
K1BNO	2.232-	31- 24-C -20	KA1LMR	18,648-	84- 74-B					KA2YCV	3,375-	45-	- 25-B -20	W2OMV	1,173-	23- 17-B
KB1XD	864-	18- 16-B -20	AK1A	453,675-	1315-115-C -20	NYC-Long	Island			KY2P	108-		- 4-B -20	WB2TKD	8,550-	75- 38-B -20
K1RM	39.321-	257- 51-C -15	W1VY	24,426-	118- 69-C -20	WA2LQO	172,326-	373-	154-C	WA2QNW	31,785-	163-	- 65-C -15			
			KE1E		106- 38-B -20	KD2TT	134,820-	321-	140-C	K4BNC	7,227-	73-	- 33-C -15	3		
Eastern N	lassachuse	tts	W2UP	11,466-		NS2W	12,045-	73-	55-B	K2PF	3,243-	47-	- 23-C -15			
K5ZD/1	824 460-	1057-260-C		100		N2KA	11,076-	71-	52-C	_				Delaware		
K1VR		1048-225-C	Rhode Is	land		W2GGE	6,588-		36-C	Southern	New Jerse	ey .			040.075	047.005.0
NIAU		554-152-C	K1VSJ	239.598-	459-174-C	K2RYI	4,284-		28-B	N2MM	766,422-	1026-	-249-C	W3XU	618,975-	
AISE		290-142-C	KIIU	97,383-		W2GKZ	2,730-		26-C	N2RM	232,965-			W3NX	146,349-	303-161-C
	5,010			31,000		1	-,	100								

Eastern Dec			Caribbana Fla										12.010	- 12 72 2
Eastern Per	1,301,724-		Southern Flo		423-175-C	N5JJ W5RJA		204- 81-C 171- 88-C	KV6H K6DR	195,576-	562-116-C 384-117-C	W8CGG W8BE	9,045-	67- 45-C 54- 38-B
	1,235,874-	1406-293- C	WK4F		168-103-C	W5KCR	23,580-	131- 60-C	N6JM	92,886-	274-113-B	K8MR	4,650-	50- 31-C
WB3CAC	323,910-	610-177-C	KA4UBC	25,668-	138- 62-C	W5XD W5HRF	18,984- 6,480-	113- 56-B 54- 40-B	WR6Z N6GG	18,666- 4,416-	122- 51-B 46- 32-C	W8RHY NG8T	3,627-	39- 31-B 36- 33-C
KQ3V KQ3F		408-172-C 440-135-C	N1EAF/4 W1UDB/4	2,457- 1,368-	39- 21-C 24- 19-C	W5PWG	2,700-	36- 25- C -40	NB6G	2,280-	38- 20-C	N8ATR	3,600-	40- 30- C-160
WB3FYL		403-144-B	K4XS		786- 96-C -20	W5SJD	120-	10- 4-C -20	7			KW8N	17,820-	110- 54-C -80
KA3DSW		330-152-C	KF4MA	9,945-	85- 39-B -20	W5AC (WQ5C,	op) 27,270-	202- 45-C -15				KC8PQ N8EKS	2,997- 960-	37- 27- C -80 20- 16- C -40
KB3YJ W3KV		294-133-B 287-123-C	HK3GZB/W4 W4YN	8,541- 4,002-	73- 39-C -20 46- 29-C -20	KN5H	90-	6- 5-C -15	Arizona			WB8JBM (N8D0		20- 16-0 -40
W9NXF		266-121-C	W2SDB/4	420-	14- 10-C -20	KE5FI	22,680-	189- 40-C -10	KC7V KC7CE		1009-179- C 179- 57- B		490,776-	1352-121-C -20
WB3CIW		233-134-C	NT2Q	8,316-	84- 33-C -15	West Texas			K9JNB	12,543-	113- 37-B	N8BC WD8AJF	6,210- 1,953-	69- 30-C -15 31- 21-B -15
K3IPK W3DHM		232-125-C 224-110-C	WA4BWI N4EJW (N4EJV	1,242-	23- 18-B -15	WF5E	21,384-	132- 54-C -20	W7YR WB7FDQ	9,504-	66- 48-C	WD8KTM	126-	7- 6-B -15
AD3Z		306- 74-C	1412011 (141201		128- 32-C -10	WB5UDX	42,582-	302- 47-C -15	K7SP	2,016- 1,326-	32- 21-B-160 26- 17-C-160	West Virgini	a	
KASNJA		210-104-B	Tennessee			6			W7AYY	23,754-	214- 37-C -15	W8WVM		145- 85-B
N3HW W3ARK		222- 96-C 217- 84-B	KC3Z	113.577-	289-131-C	Proposition .			WA7KLK W7LVU	6,006-	77- 26-C -10 5- 4-B -10	W8VEN		117- 85-C
W3YFV	36,936-	152- 81-C	K4JHT	77,490-	246-105-B	East Bay	174 500	000 150 0		00-	3- 4-B -10	KN8D	180-	12- 5-B -10
K3ZLK		144- 85-B	W4ZWZ	33,288-	152- 73-C	K6SIK WE6G		366-159-C 104- 55-C	Idaho			9		
W3EVW W3AOH		131- 72-C 119- 53-C	K4PR N4BSN	5,700- 3,876-	50- 38- C 38- 34- C	KS6Q	1,350-	30- 15-C -20	KA7T K6RN	104,895- 95,469-	333-105-C 263-121-C			
КЗТХ	17,346-	98- 59-C	W4AY	561-	17- 11-B	Los Angeles			N7HJM	13,572-	116- 39-B	Illinois	00 400	005 440 0
W3OV	15,138-	87- 58-B	K4RIG		164- 65-C -40	Name and Address of the Owner, where the Owner, which is the Own		1570-236-C	N7GUC	9,636-	73- 44-B	K9BQL KC9UM	99,180- 62,700-	285-116-C 190-110-C
K3DYX N3CIX	9,102- 8,541-	74- 41-C 73- 39-B	W4XJ W4RKV		775- 96-C -20 146- 53-C -20	K6EID	384,930-	705-182-C	Montana			WD9GIG	50,343-	173- 97-C
KC3ZG	4,752-	48- 33-B	KK4FB	480-	16- 10-B -20	KB5AS/6	335,250- 322,452-	894-125-C	K7LTV	193,362-	481-134-C	W9LYN	47,040-	160- 98-B
KA3LCF N6CQ/3	2,997- 2,376-	37- 27-B 33- 24-C	KE4HX N4TG		145- 48-C -15 116- 41-C -15	N6VI N6DKP	223,665-	689-156-C 481-155-C	KS7T	106,800-	356-100-C	AG9E W9ZGP	26,730- 21,582-	135- 66-B 109- 66-B
KASHUA	1,512-	24- 21-B	987733	14,200-	110- 41-0 -15	K6YRA	209,880-	424-165-C	K7ABV	2,376-	36- 22-C -80	KD9RD	18,792-	108- 58-B
K3ND	6,930-	55- 42-C -80	Virginia	7500 0000	Contract Contract	W6ABW N6AW	132,300-	350-126-C 496- 76-C	Nevada			KG9Z K9UIY	17,700- 8,712-	100- 59-C 66- 44-B
K3ZPG WB3EPW	12,960- 7,140-	90- 48- C -20 68- 35- C -20	KE9A NK4J		1006-223-C 737-158-C	NE6I	110,700-	300-123-C	WA7UTM	76,590-		W9DQV	5,904-	48- 41-B
WB3FPA	7,719-	83- 31-B -15	N4RA		501-161-C	KB6HW	100,386-	286-117-C	W7IUJ WB7VVH	19,824-	118- 56-C 100- 43-C	NJ9Q	5,880-	56- 35-C
Maryland-D	C		N4MM		253-130-C	W6CN K6EV	94,500- 84,216-	300-105-B 242-116-C		,		W9REC WB9HAD	1,056-	22- 16-B 86- 47-C-160
K3ZJ		704 040 0	N4XD W4WJJ		240-118-C 221-116-C	N6AA	65,286-	234- 93-C	Oregon	704 700	*****	W9CH	17,442-	114- 51-C -40
W3UJ		784-218-C 477-130-C	K4WHN		154- 92-C	K6RQ		226- 65-C	K5MM/7 NS7P		1146-205- C 409-146- C	KR9G	6,222-	61- 34-C -40
K3WS	152,055-	327-155- A	W4JVN	12,960-	80- 54-C	KG6AR W6FCF	41,472- 37,635-	192- 72-C 193- 65-C	W7YAQ	119,280-	355-112-B	KA9TNZ NQ9M	73,125- 5,952-	325- 75-C -20 62- 32-C -20
N3II K3AV		241-130-C 142- 90-C	KA4RLJ N3JT	12,012-	77- 52-B 59- 59-C	K7EG		199- 63-C	W7ZR		292-107-C		0,002	02- 02-0 -20
W3JPT	23,790-	130- 61-B	W4VC	5,967-	51- 39-B	WS6V	28,386-	166- 57-B	W7GUR KA7EQS		256- 90-C 226- 82-C	Indiana	Sale Maria	lete title
WA3LJP	21,735-	105- 69-C	WB6NFT	2,448-	34- 24-C	WA6POZ N6IBP	26,703- 24,552-	129- 69-C 132- 62-B	W7AHZ	6,696-	93- 24-C	W9RE 1 WA9NPM		1397-293- C 299-144- C
W3FQE W3GN	2,508- 1,008-	38- 22-C 24- 14-C	W9LT/4 N3RC	2,250-	30- 25-B 28- 24-B	WEREH	12,876-	74- 58-B	W7FP WA7CGR	115,866- 6,960-	471- 82- C -20 80- 29- C -20	K9JS		206-105-C
W6AXX	2,448-	34- 24- C -80	K4ME	1,482-	26- 19-B	KK6P	11,115-	65- 57-C	KA7FEF	3-	1- 1-B -10	AD7U		122- 87-A
W3HVQ	4,089-	47- 29-C -40	N4LZJ	48-	4- 4-B -80	KD6LV K6ICS	8,910- 7,560-	55- 54-C 70- 36-B	Utah			W9PC KB8AC	25,620-	122- 70-C 30- 24-C -80
W3GG (KA3PC		386- 79-C -20	W4KMS W3YY	3,870-	43- 30-C -40 752- 99-C -20	W60ES	4,464-	48- 31-C	W7HS	01 266	287-106-C		2,100	00 24 0 00
кzзв	23,100-	140- 55- C -20	W4YE	22,572-	132- 57-C -20	NK6A	4,350-	58- 25-C	KE7KF		295-100-C	Wisconsin		111111111
WASEEE	5,481-	63- 29-C -15	N4MUJ K4FPF	20,898-	129- 54-B -20	NY6Y AA6PY	3,312-	48- 23-B 39- 26-C	NT7Y	64,728-	232- 93-C	K9CAN W9OP	135,864-	423-191-C 333-136-C
W3PWO	1,044-	29- 12-C -10	K3RV	2,622- 59,427-	46- 19-B -20 279- 71-C -15	KG6ZV	3,036-	46- 22-B	KE7NS KE7QA	43,056- 14,664-	276- 52-B 104- 47-C	KB9S	88,500-	236-125-C
Western Pe			KB4DFK	8,448-	88- 32-C -15	W6AQ (WA6OT		EDE 45 C 40	N7HUJ	11,340-	90- 42-B	NG9L NI9C	33,288-26,400-	146- 76-B 110- 80-B
WB3KOE	16,245-	95- 57-C	N4JGQ	108-	9- 4-C -10	K5KT/6		525- 45-C -40 257- 38-C -40	WA7TUX	7,668-	71- 36-A	WB9CXY	16,362-	101- 54-C
N3DHC K3UA	3,042- 3,240-	39- 26-C 40- 27-C-160	5			W6OK		208- 49-C -20	Washington			W9UP	9,324-	74- 42-C
N3FAS	18,495-	137- 45-C -20	Arkansas			K6SVL K6EVR		831- 62-C -15 174- 31-C -15	NN7L		1293-186-C	N4TZ WB9HRO	6,771- 3,444-	61- 37-C 41- 28-A
W3FGS AD8J	15,312- 2,508-	116- 44-B -20 38- 22-C -20	K5FUV	126.126-	286-147-C	W6JII	2,280-	40- 19-B -15	NN7I KB7VD	91,980- 59,013-	365- 84-C 249- 79-A	KJ9I	3,120-	40- 26-C-160
ADOU	2,000-	36- 22-0 -20	KC5TA	59,388-	196-101-C	Orange			W7MCU	57,888-	201- 96-C	KS9K	14,841-	97- 51-C -80
4			KA5PGA	36,354-	146- 83-C	W6TMD	366 876-	774-158-C	W7QN	42,174-	198- 71-C	N9BUS KQ9L	4,680- 133,386-	52- 30-C -80 517- 86-B -20
Alabama			K5GOE W5EIJ	19,596-	92- 71-C 98- 66-C	WJ6C		239- 85-C	NB7N W7IIT	23,265-	165- 47-C 129- 46-C	W9GIL	55,692-	238- 78-C -20
WZ4F	905,154-	1174-257-C	K5UR	14,310-	90- 53- C-160	NM6L		116- 45-C -20	WA7BAY	12,096-	84- 48-C	K9YNF	21,942-	138- 53-C -20
N4JF		225-110-B	Louisiana			K6VI	1000	473- 52-B -15	K7GEX	11,316-	92- 41-C	0		
KE4BM K4MG	26,715- 16,740-	137- 65-C 93- 60-C	WB5SSD	107.586-	258-139-C	Santa Barba			K7LYT K7IDX	1,242-	23- 18-C 40- 25-C-160	Colorado		
KR4F	192-	8- 8- C-160	KB5GL	42,120-	180- 78-C	N6ADI		575-160-C	K7UR	4,836-	62- 26-C -80	N2IC/Ø	002 510	1220 240 C
WA4QXH	2,040-	34- 20-B -80	KE5LQ N5GPP	37,674- 18,540-	138- 91-B 103- 60-B	K6JG W7CB/6	113,850- 78,120-	345-110-C 280- 93-C	W7WA		1244-121-C -20	KØUK		1330-249- C 1436-211- C
Georgia			W5OB	18,444-	106- 58-C	W6UJX	50,844-	223- 76-C	N7TT WA7GVM		1010-102-C -20 435- 79-C -20	WØGOR		311-133-B
NQ4I	284,931-	519-183-C	WC5D	108-	6- 6-B	N6VR WA6FGV	990-	22- 15-C-160 101- 35-C -15	KD7IK	81,396-	399- 68-C -20	WØOSK KKØL		289-110-C 257-112-C
N4VZ W4DXI		444-178-C 297-156-C	W5WMU	29,736-	168- 59-C -80			101 00 0 10	W7LVI K7DS	68,541- 10,260-	341- 67- C -20 95- 36- C -20	KEØKX	32,970-	157- 70-C
KX4R		225-133-C	Mississippi			Santa Clara	CHARLES AND AND ADDRESS OF THE PARTY OF THE	040 400 0	W7VIH	630-	21- 10-B -20	NQØL	14,100-	100- 47-B 70- 29-B
K4GKV		226-102-C	W5OSL	3,528-	42- 28-C -15	KI6CG WZ6Z		940-162-C 861-166-C	KE7C	62,436-	473- 44-C -15	NØGKV NNØM	6,090- 4,275-	75- 19-B
W9KTB/4 N4NX		207-109-B 220- 90-C	New Mexico			K6ITL	178,929-	423-141-C	Wyoming			WØZV	4,896-	51- 32-C-160
W4UYC		197- 80-C	N5EPA		449-154-C	KB6GV		346-135-C	KD7RX	18,564-	119- 52-B	WØUO	2,079-	33- 21-C-160
WX4G KJ4FW	40,977-	157- 87-C 167- 78-C	KI3L N5ACP	47,124- 45,594-	238- 66-C 149-102-C	KD6PY KG6AO		293-105-A 203- 80-C	KB7M	7,659-	69- 37-B	KØIYF KØZX	1,071- 28,905-	21- 17-C -80 205- 47-C -15
N8LM		129- 78-B	KA5VTQ	8,208-	72- 38-B	K6MA		175- 89-C	NC7O KB7WN	1,710- 390-	30- 19-C 13- 10-A	lowa		
K4BAI	21,411-	117- 61-C	WA5VAL	3,657-	53- 23-B	W6YVK W6SSA	26,235-	165- 53-A 83- 43-B	KT7V	7,476-	89- 28-B -15	KFØH	273 333	509-179-C
KB4I K4PI/M	11,610- 6,588-	90- 43-C 61- 36-B	N5JKC KN5S	720- 10,332-	20- 12-B 84- 41-C -80	N6NF	8,118-	82- 33-B	8			WØEJ	242,556-	493-164-C
KB4GID	4,752-	48- 33-A	WS50	31,455-	233- 45-C -15	W6ISQ W6MZQ	6,960-	58- 40-C 59- 29-C	Michigan			KØGT WØSR	164,610- 129,213-	354-155-C 293-147-C
W8CNL/4	3,465-	35- 33-B	North Texas			KG6AM	5,133- 2,784-	32- 29-C	NBCXX	310,086-	642-161-C	KEØY		318-129-C
K4TEA K4ODL	4,692- 7,140-	46- 34- C-160 68- 35- C -20	N5JB	282,492-	532-177-C	KD6XY	1,728-	24- 24-C	K8CV	75,900-	220-115-C	KZØC	119,664-	277-144-C
КЗКС		281- 68-C -15	NI5M	270,630-	485-186-C	WA6TKT	495-	15- 11-C -10	K8OT W8JRK	48,870-	181- 90-C 141- 67-B	WØIZ NGØW	114,660- 96,882-	294-130-C 241-134-C
Kentucky			N5UA N5AW	234,378-228,726-	449-174-C 393-194-B	San Diego			N8CQA	22,470-	107- 70-A	NUØP		237- 97-C
WB4FOT	73,920-	220-112-C	N4GTU/5	47,793-	179- 89-B	W6MKB		1100-190-C	W8FEM	18,639-	109- 57-C	WØPLS	65,700-	219-100-C
N4OGW	1,440-	24- 20-B -15	WM5K N5IET	38,505-	151- 85-C	K6NA N6ADK		224- 73-C 188- 70-B	N8BRQ N8HTG	17,574- 4,185-	101- 58-B 45- 31-C	KCØQ WA9YZN		170-101-B 155- 92-B
North Carol	lina		K5KJ		104- 69-B 122- 51-B	K6MC	33,915-	133- 85-C	WB8SFF	3,159-	39- 27-C	NBØH	39,468-	143- 92-B
N4ZC	501,102-	679-246-C	K5KJ	18,666-	122- 51-B	W6BZE		166- 64-C	NT8V	27-	3- 3-C	NØSM WAØDCB	38,016-	144- 88-C
N4UH		811-193-C	W5LMG KA5PVB	2,688-	32- 28-C 23- 19-A	W6UQF K6PO	13,653- 11,610-	111- 41-C 86- 45-B	K8DD W8TWA	2,139- 142,140-	31- 23-C -80 515- 92-C -20	WØFO	36,186- 31,416-	163- 74-C 136- 77-C
AA4R WD8BOQ		380-169-C 118- 66-B	NG5A	90-	6- 5-C	WA6EBD	6,396-	52- 41-C	K8KUH	12,474-	99- 42-C -20	KØJGH		123- 76-C
KJ4TI	9,660-	70- 46-B	K5WXZ	1,827-	29- 21-C-160	AA6EE WA6VNR	5,829-	67- 29-C 137- 35-C -15	KG7Z/8	11,118-	109- 34-C -15	WØPPF WØEAN	27,324-23,625-	138- 66-C 125- 63-C
KF4HK N4SU	3,744- 3,024-	39- 32-C-160 36- 28-C-160	KA5W W5BOS	40,863-	257- 53- C -40 216- 61- C -20			00-0 -18	Ohio			KØIIR	7,434-	59- 42-C
N4MO		273- 77-C -20	NX5H	16,650-	111- 50-C -20	San Francis		070 05 4	K8AZ		773-234-C	NCØO	6,042-	53- 38-B
Northern FI		100000000000000000000000000000000000000	WK5Z	3,975-	53- 25-B -20	N6OJ WW6D	79,230- 144-	278- 95-A 8- 6-C	K8NZ K8MNG	237,096- 92.583-	444-178-B 243-127-C	KKØR KFØZ	3,948-	47- 28-B 30- 22-B
W4WKQ		197-104-C	K9LA/5	3,192-	56- 19-C -10	and the second			WD9INF	80,640-	256-105-B		1,000	
K4HRL		197-104-C 142- 93-C	Oklahoma			San Joaquir		004 670 0	W8ZCQ	77,589-	233-111-C	Kansas	er 44-	045 404 5
W9LSD	3,564-	44- 27-B	K5GL WI5W		231-105-C	WG6P KA6BIM	413,316- 223,095-	801-172-C 535-139-C	K3JT KE8FD		215-114-C 212-104-B	WBØYJT KBØG		215-101-B 121- 81-C
WA4SVO W4DRK	8,910- 21,222-	66- 45-C-160 131- 54-C -15	WK5P	5,859- 270-	63- 31-A 10- 9-B	WD6EKO	99,144-	306-108-B	W8UPH	50,160-	209- 80-C	WAØLHK	900-	20- 15-A
KD1U	1,764-	42- 14-B -10	South Texas			WW6O W6BYH		267- 71-C 116- 65-C	W8YGR W8NPF		152- 96-B 174- 81-C	N7DF	158,013-	543- 97-C -20
South Caro			WQ5Y		253-136-C	W6DPD	19,596-	92- 71-C	WA8AGH			Minnesota		
W3VT		497-188-C	K5DB	63,756-	231- 92-C	KI6BN	102,372-		N8FU	33,075-	147- 75-B	ACØW Wal B		161- 77-B
W4FCJ	24,273-	93- 87-C	WASIYX		208- 97-B	Sacramento	Valley		W8DWP W8RSW	29,766- 16,200-	121- 82-C 100- 54-C	WØLP NØAT	18,150- 14,364-	110- 55-C 84- 57-C
			W5KA		205- 98-B	W6REC	365,085-	665-183-C	KA8ZPA	15,435-	105- 49-B	KØKX	12,936-	88- 49-C -20
80 🛮	ST ₂			Fro	m Octo	ober 1	987	©ST	© ARF	\prec L				
00 H	117													



Mike, KE3CV at V31CV, didn't have a problem winning first place



Jan, N6AW, operates from the W6AM shack.

KIØF	6,615-	63- 35-C -15	KQ1F (+KA1CI,K1XM)
Missouri			216,108- 414-174-C K1KA (+ NET)
K4VX/Ø (KM9		1007 070 C	189,954- 519-122-C
WØHBH		1027-276-C 479-179-C	W1YK (KM1P, op, + NET) 138,600- 420-110-C
NSØB		215-119-C	K1KI (+ NET)
KMØL	48,900-	163-100-C	14,457- 79- 61-C
KBØV WØPKO	46,200- 35,298-	154-100-C 159- 74-C	WA2VST (+ KB1WM) 8,514- 68- 43-B
WØFF	35,052-	127- 92-C	0,514- 00- 45-5
NIØG	28,884-	116- 83-B	2
AKØM AJØE	2,025-	27- 25-B 29- 23-B	WB2ULI (+ N2BOW) 1,109,469- 1439-257- C
KAØP	120-	8- 5-B -20	NR2H (+ KU2C,W2GD,KB2HZ,K2NJ)
North Dak			992,940- 1235-268- C
			N2TM (+ KC2NB,KY2O,KY2P,NB2P,
KCØCU	57,222-	187-102-C	KB2SY) 814,095- 1185-229- C W2YV (+ KQ2M)
Nebraska			664,704- 1731-128-C
KØSCM	89,925-	275-109-C	W2VJN (+ N2BA)
KVØI NØOLL	69,090- 11,088-	245- 94-C 77- 48-B	214,929- 429-167-C W2XL (+NJ2L,KD2NE,WA2WSO)
NØGVK	2,100-	28- 25-B	195,132- 404-161-C
			W2UI (+N3KR) 179,664- 394-152-C
South Dak			K2BK (+KQ2O) 168,912- 414-136-C
V5LZT V5HCH	2,268-	42- 18-B 3- 1-B	W2OW (NK2H,W2MTA,NI2T,NE2W, WB2YWH, ops)147,804- 436-113-C
(ØDD	29,646-	162- 61-C -40	W2SZ (NC1J,KJ2B,KA2LIV,NQ2M,
NØACT	6,696-	72- 31-C -20	KA2WRG,WA2YHZ,KA8PQA, ops)
VE			86,184- 252-114-C
			K2TD (+ NET) 50,634- 174- 97- C N2EGR (+ KA2QYL)
Waritime-N	lewfoundl		25,338- 103- 82-C
/O1MP	367,233-	733-167-C	KC2IW (+ NET) 19,470- 110- 59-C
/E1DH /E1BNN	297,270- 6,216-	734-135- C 59- 37- C-160	3
/O1SA		1730-124-C -20	K3TUP (+N3BJ,KJ3L,K3LR,KB8IZ,AI8S
VE1BDK	109,917-	531- 69-C -20	1,742,004- 1826-318-C
VO2WL (VO		400 47 0 00	N3RS (+N3RD)
	27,918-	198- 47-B -20	1,399,380- 1405-332-C K3WW (+K3OX)
Quebec			886,074- 1022-289-C
/E2AYU	396,990-	802-165-C	NE3F (+KS3F,K3WGR)
Ontario			548,856- 847-216-C K3IE (+N3ARK)
/E3XN	118,170-	303-130-C	371,739- 629-197-C
VE3ST	56,160-	195- 96-C	N3BNA (+NB3I)
VE3TJL	462-	14- 11-B	272,796- 508-179-C
VE3INQ VE3CUI	192- 672-	8- 8-B-160 16- 14-C -40	KU3T (+KD3AP) 87,780- 266-110-C
/E3NXQ	23,532-	148- 53-B -20	K3UEI (+ NET) 73,632- 208-118-C
/E3GRA	11,685-	95- 41-B -20	W3KWH (KA3s KSD,LNG,KS3I,N3s QF,
/E3NBE	8,118-	66- 41-B -20	QP, ops) 41,310- 162- 85-C
/E3HX	162-	9- 6-C -10	NA3K (+ NET) 38,250- 150- 85-C W3SK (KA3s BER,DVY,JOI,NTZ,PIT,
Manitoba			KC3B, ops) 34,992- 144- 81-C
/E4KE	34,569-	167- 69-C	
/E4RP	19,557-	123- 53-C	5
Saskatcha	wan		K5RVK (+W5ASP,N5BA,WA9VLI) 335,778- 586-191-C
/E5FX	40,896-	213- 64-C -20	
British Co			6
		210 52 0	W6GO (+ NET)
VE7XO VE7FJE	33,390- 8,568-	210- 53-C 102- 28-C -15	1,006,740- 1410-238- C W6AE (+W6HX,KR6X) 690,676- 1086-212- C
Multiop	erator		K6ZM (+K4UVT,NP4WI,NB6L,AK6T)
	Transmi	tter	409,704- 794-172-C KE6WL (+WA6HAN,KD6NT)
1			317,817- 711-149-C W6MFC (+N6IC)

K1CC (+KG1D,K1DW)

1,215,396- 1378-294-C

1,215,396- 1378-294-C
K1YR (+K1RX)
956,301- 1103-289-C
K1TO (+K1NYK,KA1s PAK,VC)
931,500- 1150-270-C
KM1C (+KB1T,WB8BTH)
450,780- 683-220-C
KY1H (+KS1N,KB1W,AK4L)
495,533- 657-223-C
W1RB (+NET)

W1RR (+NET) 336,405- 547-205-C

WA6YNT (KA6ART, WN6C	ND,N6CTV,
K6HRT,N6OUG,WB6OW	
55,476-	201- 92-B
N6JV (+NET) 38,430-	183- 70-C
W6DUB (+NET) 18,720-	104- 60-C
N6ITY (+ NET) 17,980-	110- 54-C
WD6EKR (+NET)	
16,548-	99- 84-B
K6LRN (+ NET) 15,750-	105- 50-B
KD6AZ (+NET) 15,048-	88- 57-C
WC6I (+ NET) 9,576-	84- 38-C
NQ6X (+NET) 8,037-	57- 47-C
WB6FDQ (+NET) 7,344-	51- 48-C
W6BIP (+ NET) 5,394-	62- 29-C
N6RC (+NET) 1,476-	41- 36-C
KZ6Z (+NET) 192-	8- + 8-C
7	
Marie and the second second	
NK7U (+NI7T) 641,946-	1103-194-C
W7MR (+N7IDG,N7IEM)	
116,844-	364-107-C
NU7B (+ND7A) 45,990-	210- 73-B
8	
Mariana Caramana Mariana	
K8CC (+ N5JUX,N8BTU,K WD8RHO,KN8S,W8UA)	A8PLH,
594,000-	792-250-C
KA8ZOK (+KB4QZH)	
17,700-	100- 59-C
9	
Market and the second and the second of	444
KD9ST (+KA9s SQR,SQS	
257,346-	493-174-C
0	
NØXA (+NET)	
1,067,346-	1100 001 0
	1102-301-0
W4NIM (+WØWP)	
	515-185-C
KØGAS (+KJØG)	F04 4F0 O
	524-152-C
KRØB (+ NET)	454 470 0
230,010-	451-170-C
VE	
VE4CAT (VE4As AA,CF,G	BHOKLIN
VE4SI, ops) 17,700-	
Two Transmitte	r
K5RX (+ K5MR, KM5X, N5s	RZ,TR,KRØY
2,811,240-	
K2TR (+K2s RD,XA,WA2	SPL,WB2KMY)
1,967,868- N3RG (+KB2XZ,NF2L,W/	
WOONG KOUT	AZI IGIVI,

KQ1F (+KA1CI,K1XM)	WA6YNT (KA6ART, WN6CND, N6CTV,	W3LPL (+JL1BLW,K1s DQV,RZ,N3GB,	JA
216,108- 414-174-C K1KA (+NET)	K6HRT,N6OUG,WB6OWD, ops) 55,476- 201- 92-B	W3SEKT,MR,WA3VUQ,WB3JRU, W6AXX,F6IIR,KC6C)	JA
189,954- 519-122-C	N6JV (+ NET) 38,430- 183- 70-C	2,297,061- 2031-377- C	JA
W1YK (KM1P, op, + NET)	W6DUB (+ NET) 18,720- 104- 60-C	K5NA (+KA2QYL,KC2IW,K2TW,KR2Q,	JA
138,600- 420-110-C K1KI (+NET)	N6ITY (+NET) 17,980- 110- 54-C WD6EKR (+NET)	KU2Q,N2s AA,EGR,EK,GUV,LL,NJ2L, WA3AFS) 1,590,177- 1873-283- C	JK
14,457- 79- 61-C	16,548- 99- 84-B	W3GM (+K3s GM,ND,LZ,RL,W3FV,	JR
WA2VST (+ KB1WM) 8,514- 68- 43-B	K6LRN (+NET) 15,750- 105- 50-B KD6AZ (+NET) 15,048- 88- 57-C	WA3IJZ) 1,571,328- 1536-341- C	JA
	WC6I (+ NET) 9,576- 84- 38-C	K3ZZ (+ KC3EK,KS3L,KN3P,K3TM,	U/
2	NQ6X (+ NET) 8,037- 57- 47-C	N3AOE,WA3EKL)	JA
WB2ULI (+N2BOW) 1,109,469- 1439-257- C	WB6FDQ (+ NET) 7,344- 51- 48-C W6BIP (+ NET) 5,394- 62- 29-C	862,356- 1034-278- C K6XO (+ N6s BIS,RZ,TU,WA6OCV,WA0QII)	JP JE
NR2H (+KU2C,W2GD,KB2HZ,K2NJ)	N6RC (+NET) 1,476- 41- 36-C	855,738- 1378-207- C	JA
992,940- 1235-268- C N2TM (+ KC2NB,KY2O,KY2P,NB2P,	KZ6Z (+ NET) 192- 8- · 8- C	N3LR (KA3s OAW,OMF,POJ,QGN,QNH, KR3W,K3ZA, ops)	JH
KB2SY) 814,095- 1185-229-C	7	554,682- 958-193-C	JF
W2YV (+ KQ2M)	NK7U (+ NI7T) 641,946- 1103-194- C	W2GD (+NET) 278,586- 469-198-C	JO
664,704- 1731-128-C W2VJN (+N2BA)	W7MR (+N7IDG,N7IEM) 116,844- 364-107-C	K4JPD (+N4HOH) 21,060- 108- 65-C	JA
214,929- 429-167-C	NU7B (+ND7A) 45,990- 210- 73-B	DX Phone	JO
W2XL (+NJ2L,KD2NE,WA2WSO) 195,132- 404-161-C	8		JA JH
W2UI (+ N3KR) 179,664- 394-152-C	K8CC (+N5JUX,N8BTU,KA8PLH,	Single Operator	JA
K2BK (+ KQ2O) 168,912- 414-136-C	WD8RHO,KN8S,W8UA) 594,000- 792-250-C	Africa	JA JA
W2OW (NK2H,W2MTA,NI2T,NE2W, WB2YWH, ops)147,804- 436-113-C	KABZOK (+KB4QZH)	CT3DL 17,340- 170- 34-C -40	JA
W2SZ (NC1J,KJ2B,KA2LIV,NQ2M,	17,700- 100- 59-C	EA9IE 2,029,302- 3047-222- B	JH
KA2WRG,WA2YHZ,KA8PQA, ops) 86,184- 252-114-C	9	EA9NN 1,125- 25- 15- C -20	JA JA
K2TD (+NET) 50,634- 174- 97-C	KD9ST (+KA9s SQR,SQS,SQT)	TRBSA 63,000- 420- 50- C -20	UV
N2EGR (+ KA2QYL)	257,346- 493-174-C	ZS6BRZ 382,365- 879-145-C ZS6TUK (ZS6PZP, op)	UV
25,338- 103- 82-C KC2IW (+ NET) 19,470- 110- 59-C	Ø	15,222- 118- 43-B	UV
3	NØXA (+NET)	JG1FVZ/5NØ 29,160- 180- 54-C	UV
K3TUP (+N3BJ,KJ3L,K3LR,KB8IZ,AI8S)	1,067,346- 1182-301- C W4NIM (+ WØWP)	9Q5NW	RV
1,742,004- 1826-318-C	285,825- 515-185-C	(N4NW, op) 467,406- 1129-138- C	UA
N3RS (+N3RD)	KØGAS (+KJØG) 238,944- 524-152-C	Asia	RN
1,399,380- 1405-332- C K3WW (+K3OX)	KRØB (+ NET)	BV2B 23,142- 203- 38-C	VS
886,074- 1022-289- C	230,010- 451-170-C	HL9OB 27,156- 292- 31-C HL1ABR 24- 8- 1-B -40	
NE3F (+ KS3F,K3WGR) 548,856- 847-216-C	VE	HL9SW 32,352- 337- 32-C -20	
K3IE (+N3ARK)	VE4CAT (VE4As AA,CF,GR,HQ,KL,LN,	JH7WKQ 406,665- 1291-105-C	CT
371,739- 629-197-C	VE4SI, ops) 17,700- 100- 59-B	JH8WJY 195,858- 806- 81- B JA1YBK (JHØLFE, op)	CT
N3BNA (+ NB3I) 272,796- 508-179-C	Two Transmitter	149,406- 673- 74-C	CT
KU3T (+KD3AP)	K5RX (+K5MR,KM5X,N5s RZ,TR,KRØY)	JR1GSE 135,123- 617- 73-C	CF
87,780- 266-110-C K3UEI (+ NET) 73,632- 208-118-C	2,811,240- 2280-411-C	JH4UYB 99,153- 479- 69- C JA7AQR 97,680- 440- 74- C	CL
W3KWH (KA3s KSD,LNG,KS3I,N3s QF,	K2TR (+K2s RD,XA,WA2SPL,WB2KMY) 1,967,868- 1918-342- C	JF1SEK 94,842- 479- 66-B	CL
QP, ops) 41,310- 162- 85- C NA3K (+NET) 38,250- 150- 85- C	N3RG (+KB2XZ,NF2L,WA2HGM,	JA2ODS 39,765- 241- 55-C JA2JSF 27,219- 211- 43-A	DL
W3SK (KA3s BER,DVY,JOI,NTZ,PIT,	WB2YOF,K3JLT) 1,817,244- 1716-353- C	JA1DFQ 19,596- 142- 46-B	DJ DA
KC3B, ops) 34,992- 144- 81-C	AA1K (+AB1P,AD3V,K3WJV,N3s CUJ,	JA8SW 18,522- 147- 42-C	DL
5	ELZ,W3NX,K8MP,N8NA)	JA7RXU 15,435- 147- 35- C JH1UUT 15,225- 145- 35- B	DL
K5RVK (+W5ASP,N5BA,WA9VLI)	1,297,812- 1369-316-C K9MWM (+WØKEA)	JA1ASO 14,160- 118- 40-B	DL
335,778- 586-191-C	1,193,508- 1542-258-C	JAØCGJ 11,136- 116- 32-C JO1XDC 4,680- 78- 20-B	DJ
6	N2MG (+ KD2RD,NQ2D) 947,376- 1161-272- C	JH7XGN 2,520- 60- 14- A	D.
W6GO (+NET)	WK6V (+N6HCS,WA6DBC,WB6OKK,	JA6AKV 2,244- 44- 17-B	EA
1,006,740- 1410-238- C W6AE (+W6HX,KR6X)	WBØQPO) 938,418- 1378-227- C	JP1TRJ 2,196- 61- 12-B JP1SRG 2,196- 61- 12-B	EA
690,676- 1086-212- C	K1RQ (+KB1s KE,W,NJ1F,WA1ZAM) 865,332- 1118-258- C	JH6TYD 990- 33- 10-C	EA EA
K6ZM (+K4UVT,NP4WI,NB6L,AK6T) 409,704- 794-172-C	K6TMB (+N6RO,W6OAT)	JH1ZKP 675- 25- 9-B JA2QVP 324- 18- 6-C	E
KE6WL (+WA6HAN,KD6NT)	744,030- 1181-210- C N7RO (+ KC7GX,W7s DQM,EKM,	JR8UKI 306- 17- 6-A	E/
317,817- 711-149-C	WA7ZWG,WB7CLU)	JM1BPP 16,686- 206- 27- C -80 JA2BAY 44,415- 423- 35- C -40	
W6MFC (+ N6IC) 282,219- 623-151-C	554,040- 972-190-C	JA2BAY 44,415- 423- 35- C -40 JH1AEP 14,280- 238- 20- C -40	- 3
W6KCB (+NU6L,N6LYX)	N3EC (+KA3NED,WA3YOB) 323,564- 613-176-C	JAØUMV 8,316- 154- 18-B -40	E/
236,070- 645-122-C N6CCL (+NET) 225,666- 597-126-C	Unlimited	JA7UMT 4,176- 116- 12- C -40 JN1AIF 288- 24- 4- B -40	
WX6M (+ NET) 169,893- 439-129-C	Unlimited	JAØYAK (JHØMVU, op)	FE
W6BSY (+NET)137,635- 335-127-C	KX4S (+AA4D,KB4DI,KG4W,KI4GM, KN4U,N4s DCY,EHJ,HB,MXT,W4s DR,	168- 14- 4-B -40	F6
W6ET (+ NET) 102,600- 285-120-C W6RT (+ NET) 73,260- 220-111-C	MYA,WB4BVY,WU4G)	JR0XOJ 126- 14- 3-B -40 JA1KFX 6- 2- 1-B -40	
WA6AHF (+NET)	2,647,296- 2304-383- C NR5M (+ K5s GA,LZO,KE5IV,KG5U,	JH7LRS 109,548- 716- 51-B -20	F
70,278- 221-106-C W6UE (N6DLU,WA6OTU,AA6RX, ops)	KN5H,N5IVF,NM5M,NT5D,NZ5I,WB5N)	JA7BJS 95,013- 621- 51- C -20 JA7YRR (JA7MQM, op)	-
66,768 208-107-C	2,427,696- 2199-368- C	T 52-404- 397- 44-C -20	G
From O	ctober 1987 QS	I © AKKL	

A7HMZ	27,306-	222-	41-B	-20
A2BNN	22,914-	201-	41-B 38-C	-20
A9BEK	17,160-	143-	40-B	-20
IA4PA	17,160- 3,300-	55-	20-B	-20
A1BBA	1,911-	49-	20-B 13-B	-20
IN1VUB	273-	13-	7-B	-20
K1NSR	3-	1-	1-B	-20
IR7QKR	45,603-	563-	27-B 24-B	-15 -15
IA9RPU	32,544-	452-	24-B	-15
A6YCU (JE6U)				
	13 158.	258- 192-	17-B 14-B 14-B	-15 -15 -15
IA3YDS	8,064- 6,888-	192-	14-B	-15
IP1FZA	6,888-	164-	14-B	-15
E1AER	4,572-	127-	12-B	-15
IA1QXC	4,494-	107-	14-B	-15
IH7NPF	3,330-	111-	10-C	-15
HØXUP	3,312- 2,838-	92-	12-C	-15
F1WQC	2,838-	86-	11-C	-15
IO1XOK	2,220-	74-	10-C 12-C 11-C 10-B	-15
A8UJY	2,160-	80- 60-	9-B	-15
ASEO	1,800-	60-	10-B	-15
IA5EO IO1TMU IA1YAG	1,380- 1,320-	46- 55-	9-B 10-B 10-B 8-B	-15
H6WHN	1,287-	20-	11 D	-15
IVEELL	1,207-	35-	10-C	-15 -15
JA6EFT JA3TZI	1,050- 480-	30-	11-B 10-C 8-B 8-B	-15
JA1AAT	432-	18.	R. R	-15
IA0G7	216-	18.	4-B	-15
JAØGZ JH2XTV	135.	9.	5. B	-15 -15
JA3UWB	135- 120-	9- 10- 10-	4-B 5-B 4-B	-15
IAGODII	90-	10-	3-B	-15
NA/MATE		17.50		
JVVØIVIE	495,651-	923-	179-B	-
IAOMAA	11,778- 9,024-	94-	26-B	-20
IMACE	7,560-	126	32-B	-20
IWOCM	3,417-	67-	20-B 17-B	-20
JWØMF JWØCV JA9MA JWØCF JWØCM RV9UV JAØFF	2,580-	43-	20-B	-20
IAOFF	2,244-		11-B	
JG6LQ				
	7,695-	95-		
RM8MA	378-	21-	6-B	-20
/S6UP	72-	8-	3-B	-20
4X6IF	5,382-		23-A	
	3,302-	10-	20-A	
Europe				
CT1AOZ CT1DJE CT1BOP CR7BY CT4MS	19,722-	173-	38- B	160
CT1DJE	3,000-	50.	20. R	-40
CT1BOP	276,210-	1674-	55-B	-20
CR7BY	74,382-	506-	49-C	-20
CT4MS	19,071-	163-	39-B	-20
CU2AK	101 176			
CU2CE	121,176- 10,773-	133.	54-C 27-B	-15
	10,770	070		
DL6RAI	46,248-	3/6-	41-C 53-C 51-C	00
DJ3HJ DA2ER DL8UI	159,000- 109,089-	712	53-C	-20 -20
DI QIII	24 442	267	43-C	20
DL5ZBA	34,443- 11,160-		31-C	-20
DL5ME	4,968-	69-	24-B	-20
DL9YCS	4 485-	65-	23-C	-20
DJØBX	4,485- 3,726-	69-	23-C 18-B	-20 -20
DJ9XT	2,016-	42-	16-B	-20
				-
EA1CIM ED3QD	140,220- 136,218- 11,466-	600	72 D	
EA7BHO	130,218-	022-	70-D	
EA1AW	9 594-	82.	30. C	
EA1AW EA7EL	9,594- 71,070-	515-	39-C 46-C	-80
ED4DPK	109,980-	705-	52-C 23-C 25-C 13-B	-20
EA5DCL	5,796-	84-	23-C	-20
EA5CXL	5,775-	77-	25-C	-20
EA7BYM	1,521-	39-	13-B	-20 -20
EA6SX		205	40.0	
EA6SK	43,365- 1,332-	27	49-C 12-A	-20 -20
				-20
F6AOJ	518,814-	1406-	123-C	
F6BDN FE6DRP	9,570-	110-	123- C 29- C	-80
FE6DRP F6HDI	14,016-	140-	32- D	-20
EDILLIMB	11,532- 8,505-	124-	31-B	-20
FD1HWB FD1LBL	7.500	97-	27-B	-20 -20 -20
FD1BEG	7,566- 4,896-	68-	26-B 24-A	-20
F6CLM	231-	11-	7-B	-20
				-20
G2QT	129,291-	607-	71-C	
			_	

G4ZXC	22,263- 181- 41-C -20			Multioperator	Europe	KB1W	576,840- 1045-184- C
GJ3ZAY	3,969- 63- 21-B -20 173,952- 604- 96-C		- 14-B -20 - 11-C -20	Single Transmitter	FF6LCT (F6s GIF,HMQ,HLC, ops) 111,945- 439- 85-C	KZ1M	64,578- 229- 94-B
GW4BLE	580,086- 1742-111-C			Asia	North America	2 Eastern No	Varle
HG1S HA9RG	315,126- 1281- 82-C 107,568- 664- 54-B		- 26-B -20 - 24-B	HL9YG (+HL9s FE,FL) 59,616- 432- 46-C	K2SS/VP2V (+K3EST,KT3Y,WA6VEF)	Eastern Ne	575,634- 974-197-C
HA8XX	32,760- 273- 40-B -20	YU2TW 8,148- 97- YU2CCY 26,826- 263-	28-B-160	JE2YRD (JA2EZD, VUP, JI2KVW, JR2SQU,	8,912,835-10071-295-C	W2XL N2AIF	523,068- 958-182-C 94,869- 249-127-C
HA8IB HA6VV	5,226- 67- 26- A -20 3,294- 61- 18- B -20	4N4L (YU4OO, op)		JR7OMD, ops) 542,748- 1459-124- C JA3YKC (JG3s MRT,WDN,JH4RHF,	Unlimited	K2QF	60,480- 252- 80-C
HA8VB HA5KDB/7	900- 15- 20-C -20 297- 11- 9-C -20	YT7KF 3,540- 59-	- 42-C -40 - 20-B -40	JI3ERV, JR6NWN, ops) 210,528- 816- 86- C	Asia	W2AWF W2DW	46,398- 209- 74- C 27,528- 124- 74- C
HB9AAA	268,752- 1018- 88-C	YU3EO 255,954- 1471- YZ4Z 190,575- 1155-		JA7YAF (JE7s IDA,RJZ,JF7KEG,JG7s	JA2YKA (JJ1s BTC,MVV,JF2s DQJ,UTL, JG2s MTC,VTD,JJ2FAU,JK2CZL,	W2KHQ N2FZJ	17,136- 112- 51-B 5,301- 57- 31-B
HB9CXZ HB9DX	133,188- 1009- 44- C -20 9,270- 103- 30- C -20	4N2V 136,785- 829- YU1DX 92,502- 571-	- 55-C -20	BBY,JPZ, ops) 42,777- 291- 49-B JAØZAV (JAØs OSV,VHI, ops)	JA9SSY,JE2VBZ, ops) 809,580- 2060-131- C	W2QYA K1ZM	2,691- 39- 23- A 16,560- 115- 48- C-160
HB9BVV	6,162- 79- 26- C -20	YU7MGU 5,472- 76-	- 24-C -20	5,985- 105- 19- B JA1YEW (JA1WYZ,JJ1FWX,JP1UYT, ops)	JA9YBA (JA9s LNJ,VDA,-10148,JH9s KIF,JSF,JJ3URK, ops)	NA2M	546- 14- 13- C-160
IV3PRK IØWDX	2,820- 47- 20-B-160 95,739- 679- 47- C-40	YU2AKL 4,374- 81- North America	- 18-B -20	1,254- 38- 11- B UL8LWZ (RL7LAH,UL7s LEZ,026-177, ops)	471,096- 1454-108-C	NYC-Long	
I4EWH I4JMY	7,644- 98- 26- C-40 325,728- 1872- 58- C-20	CO2CB 1,409,793- 2513-		6,150- 82- 25-B	JA7YFJ (JR7s MPT,MRQ,JE7s ENK, JWU,MTI,XTQ,JF7s BJB,SWJ,	W2GGE K2YGM	508,464- 856-198-C 91,656- 268-114-C
I1ZEU IO1EEW (I1EE	227,976- 1357- 56-C -20 EW. op)	FM5WS 85,644- 549-	02 0 100	UM9MWO (UM8s MAA,MKO, ops) 144- 8 -6- B	JO1HBF, ops) 257,805- 1011- 85-C	W2HLI WB2ENW	81,378- 274- 99-B 41,850- 186- 75-A
IØJBL	209,670- 1205- 58-C -20 204,003- 1193- 57-C -20	HI3AMF 352,092- 793- HI8LC 150,864- 898-		Europe	Europe I3MAU (+I3s FIY,JSS,ON)	W2AFM N2FBV	25,893- 137- 63-B 20,286- 138- 49-B
IO4FYF	122,616- 786- 52-C -20 18,375- 175- 35-C -20	HP2BPI 369,264- 784-	-157-B	EA3EBN (+EA3s ADW,CCN,CUQ,FBP)	889,371- 2229-133- C	KD2HE	12,240- 80- 51-B
I2TZK IK2DZN	8,064- 96- 28- B -20	HP1XHT 135,255- 635- HP8RHT 68,700- 458-	EO B 20	401,355- 991-135-C F6IFR (+F6s CWN,GWV)	North America	W2KTF KD2RD	1,452- 22- 22- B 69,540- 380- 61- C -80
IØKHP IK4CBM	7,452- 92- 27-B -20 5,229- 83- 21-B -20	HR6A (WB5VZL, op) 6,697,920- 6977-	200 C	159,174- 717- 74-B	VP9AD (+VP9IJ,W3MA) 6,483,720- 7610-284- B	K2SX N2DT	15,867- 123- 43- C -80 102,837- 413- 83- C -40
I4CSP I4LEC	3,243- 47- 23-B -20 54- 6- 3-C -15		- 22-B -20	G4ANT (G3PXT,G4s ODC,SDP,WTD, GØAZR, ops) 226,545- 1373- 55- C	Oceania	KD2SX K2MFY	26,280- 146- 60- C -40 44,016- 262- 56- B -20
LA9VBA	6,216- 74- 28-C -20	AL7CQ 334,428- 1922- NL7HT 32,520- 271-	00-0 -20	G6OI (G4s XOM,YBT,G6VAT,G8ZMP, GØAGH, ops) 10,179- 117- 29-C	KH6XX (+KH6ND,N5CT) 6,062,463- 6898-293-C	W2AYJ WB2AMU	29,256- 184- 53- C -20 756- 18- 14- B -15
LA2IE LA5KK	1,536- 32- 16-C -20 759- 23- 11-C -20	KP4CZ 174,720- 560-		HG6N (HA6s ND,NF,NQ,ON,OQ,YG, ops)	W/VE CW	KE2N	210- 10- 7-C -10
LZ1KVZ LZ1EF	21,156- 164- 43-C 9,576- 114- 28-C	NP4TB 258,876- 1598- WD5BJT/KP4 52,920- 420-		537,948- 1854-102-C HA6KVN (HA6GVN,GVW, ops)	Single Operator	Northern N	Control of the Contro
LZ1KNP	4,248- 59- 24-C	K2KTT/PJ7 219,102- 1378-	FO O 45	1,404- 36- 13-B HB9AUS (+HB9s ALM,ASD,CFU,CIP,	1	N2LT K2NJ	1,453,140- 1755-276- C 522,720- 990-176- C
LZ1KZM LZ1GD	3,180- 53- 20-C 4,599- 73- 21-B -20	TI2CCC 145,935- 1035-	- 47-B -10	CXZ,SFD,STL,HE9EEX) 328,848- 884-124-C	Connecticut	W2VJN W1GD	506,022- 697-242- C 240,210- 471-170- C
OH1BV	4,752- 66- 24- C -20 4,275- 57- 25- C -20	V31CV 7,844,760- 7924- KK9A/VP2V 614,916- 3596-		I5NPH (+I5MPN,SDG,I8MPO,IK5BAF)	K1KI 1,628,928- 1792-303- C	KØDI	146,109- 431-113-C
OH6YF OH3GD	4,275- 57- 25- C -20 126- 7- 6- A -20	XE2KJ (AA5B, op)		1,976,400- 3294-200- C I1UIY (+ I2UBI,IK2s DUU,DVG)	K1TO 1,462,272- 1904-256- C K1CC 1,296,822- 1682-257- C	K2WK NR2H	132,480- 384-115-C 58,512- 184-106-B
OK1RI	868,854- 2114-137- C	3,451,476- 4834- XE2GBD (N6EK, op)	-238- B	428,442- 1414-101- C	K1ZZ 1,265,010- 1490-283- C W1WEF 960,915- 1363-235- C	WA2ASQ KT2D	50,760- 188- 90-B 24,366- 131- 62-B
OK2BFN OK1KLV	100,278- 619- 54-C -20 8,658- 111- 26-B -20	1,467,192- 2164- XE1L 246,420- 555-		OK2KOD (OK2s BDI,BHM,WAZ, ops) 819- 21- 13- C	K1XA 800,667- 1253-213- C	AA2U W9NTU	16,968- 101- 56-A 9,282- 91- 34-B
OK1AKX OK2BHM	7,245- 69- 35-B -20 4,290- 65- 22-B -20	ZF2JR 5,807,826- 6306-		OZ3FYN (+OZ1IZB)	K1WA 475,728- 748-212-C W1QK 443,157- 1033-143-C	W2JEK	855- 19- 15- A
OK2SPJ OK3CGT	3,192- 56- 19-B -20 2,610- 58- 15-B -20	6Y5V (Al6V, op)		363- 11- 11- B SK7NK (SM7s AIO,GWF,GXE,LYL,NWJ,	K1IN 266,931- 669-133-C N4XR 253,638- 427-198-C	K2PF KU2C	990- 22- 15-B -80 123,516- 564- 73-C -40
OK1DGN OK2KVI	2,592- 54- 16-B -20 1,365- 35- 13-B -20	5,446,647- 6239- 6Y5CC 176,904- 1092-	- 54-B -20	RXD, ops) 33,408- 232- 48-C	WA1FCN 161,640- 449-120-B K1BV 140,868- 516- 91-C	K2SS N6NSM/2	204,750- 875- 78-C -20 14,112- 84- 56-C -20
OK1MNV	1,248- 32- 13-B -20	8P6B 5,996,823- 6641-	-301-C	SP9KJT (+SP9MQA) 61,047- 399- 51-B	WB9IHH 92,241- 277-111-C		New Jersey
OK1DZL OK3YDP	825- 25- 11- B -20 660- 20- 11- B -20	Oceania		SP8KBM (SP8s ARY,GQU) 25,212- 191- 44-B	WA1LVW 24,180- 124- 65- C KH6CP/1 21,600- 120- 60- A	W2REH N2MM	1,191,105- 1557-255-C 1,163,307- 1609-241-C
ON8BK ON4AEK	70,227- 459- 51-C -20 16,182- 174- 31-B -20	KL7LF/KH3 971,313- 2011- WR6R/KH6 2,398,320- 3331-		UZ6HXK (UA6-108-s 1665,1740,1838, ops)	AB1U 14,883- 121- 41-C N1CC 5,967- 51- 39-C	N2RM	775,284- 1219-212-C
ON4NG	8,190- 105- 26-B -20	W2HPF/KH6 1,996,170- 2893- W7PSO/KH6 86,178- 542-	-230-C	3,864- 56- 23- B UZ3QYA (3 ops) 936- 26- 12- B	KB1WR 4,950- 55- 30-B KB1XD 3,375- 45- 25-C	K2FL K2DX	144,054- 318-151-C 106,920- 297-120-C
OZ4HAM OZ1BTE	2,622- 46- 19-B 75,429- 493- 51-C -20	AH6FL 54,405- 465-	- 39-C	UB4TWL (UB5s TBN,TBS,079-248, ops)	K1RX 2,418- 31- 26-C	W2PAU K2QIL	93,456- 264-118-C 92,208- 272-113-C
OZ1AXG OZ1CUG	56,718- 411- 46- C -20 28,560- 238- 40- B -20	N4MKK/KH6 34,272- 224- K6GSS/KH6 265,050- 1550-	- 57-C -20	3,906- 62- 21-B UP1BYL (UP2s BMY,VJ, ops)	W1BWS 1,008- 21- 16-C -40	K2OWE W2EA	87,348- 251-116-C 75,705- 245-103-B
OŽ1INN	5,382- 69- 26-B -20	AH6EK 34,056- 258- YC2CTW 3,960- 110-	- 44-B -20	19,950- 175- 38-B	K1RM 336,900- 1123-100- C -20 K1RU 289,170- 1071- 90- C -20	WA2VYA	39,963- 173- 77-C
OZ1HXQ OZ5EV	5,040- 80- 21-B -20 3,174- 46- 23-C -20		- 8-B -15	4N4A (YU4s EU,SO, ops) 640,305- 1377-155- C	K1EFI 58,140- 285- 68- C-20 W1VH 19,908- 158- 42- C-20	K2OSV WB2YOF	33,864- 166- 68-C 33,642- 178- 63-A
OZ2BM PA3EOB	2,040- 34- 20- B -20 1,566- 29- 18- B		-109-B - 78-A	North America	K1EM 8,880- 80- 37-C -15	K2PS W2GTN	18,471- 131- 47-B 18,144- 108- 56-B
PA3DOD	61,992- 492- 42-C -20	VK2EKY 5,394- 62-		KI4IW/C6A (+ GØAHY,WB2MRI) 259,236- 758-114-C	Eastern Massachusetts	N2MR K2LOO	16,650- 111- 50-C 4,515- 43- 35-B
PAØKDM PA3BZV	6,552- 78- 28-B -20 5,226- 67- 26-B -20	VK2KL 2,484- 46-	- 18-C -15	239,230- 730-114-0	K5ZD/1 1,117,368- 1478-252-C		
PA3CZP PAØLF	2,244- 44- 17-B -20	ZL2AFY 39,456- 274-		J74A (J73LC,K4LTA,N4FKO,NF5Z, ops)	K1VR 524,088- 1004-174- C	W3ELJ	3,078- 38- 27- B
	1,218- 29- 14-C -20		40 0 00	2,294,802- 3174-241-C	K1VR 524,088- 1004-174- C W1FJ 501,930- 845-198- C KA1DWX 290,928- 551-176- C	WB2UBU K3JGJ	3,078- 38- 27- B 2,205- 35- 21- B 21,294- 169- 42- C -20
PA3DWA	1,218- 29- 14- C -20 540- 20- 9- A -20		40 0 00		W1FJ 501,930- 845-198-C KA1DWX 290,928- 551-176-C Al3E 183,600- 408-150-C	WB2UBU K3JGJ K2HPV	3,078- 38- 27- B 2,205- 35- 21- B 21,294- 169- 42- C -20 2,940- 49- 20- B -20
	1,218- 29- 14- C -20 540- 20- 9- A -20 63,450- 450- 47- C DGQ/4, op)	ZL1AAS 37,008- 257- South America CE3BFZ 2,720,340- 3570-	- 48- C -80 -254- C	2,294,802- 3174-241- C KL7CQ (+ KL7PU) 128,865- 781- 55- C NP4CC (+ KP4BZ,NP4Z,WP4K)	W1FJ 501,930- 845-198-C KA1DWX 290,928- 551-176-C AI3E 183,600- 408-150-C K1CGJ 72,765- 231-105-A W1GIH 65,199- 211-103-C	WB2UBU K3JGJ K2HPV Western N	3,078- 38- 27- B 2,205- 35- 21- B 21,294- 169- 42- C -20 2,940- 49- 20- B -20 ew York
PA3DWA SM6DHU SK4EA (SMØC	1,218- 29- 14- C -20 540- 20- 9- A -20 63,450- 450- 47- C OGQ/4, op) 60,324- 457- 44- C -20 COL, op)	ZL1AAS 37,008- 257- South America CE3BFZ 2,720,340- 3570- 3G2Z 248,508- 767- CE4FXY 202,725- 1325-	- 48-C -80 -254-C -108-B - 51-C -15	2,294,802- 3174-241- C KL7CQ (+KL7PU) 128,865- 781- 55- C NP4CC (+KP4BZ,NP4Z,WP4K) 6,863,148- 7356-311- C TIØRC (TI2s CC,IY,KD,OZ,QL,US,TI4SU,	W1FJ 501,930- 845-198-C KA1DWX 290,928- 551-176-C AI3E 183,600- 408-150-C K1CGJ 72,765- 231-105-A W1GIH 65,199- 211-103-C K1CLN 40,848- 148- 92-C KT1O 30,690- 155- 66-C	WB2UBU K3JGJ K2HPV Western N W2TZ W2FXA	3,078- 38- 27-B 2,205- 35- 21-B 21,294- 169- 42-C -20 2,940- 49- 20-B -20 ew York 371,742- 742-167-B 95,676- 268-119-C
PA3DWA SM6DHU SK4EA (SMØC SK3AH (SM3C	1,218- 29- 14- C - 20 540- 20- 9- A - 20 63,450- 450- 47- C OGC/4, op) 60,324- 457- 44- C - 20 COL, op) 26,199- 213- 41- C - 20	ZL1AAS 37,008- 257- South America CE3BFZ 2,720,340- 3570- 3G2Z 248,508- 76- CE4FXY 202,725- 1325- CE3CYM 76,638- 482-	- 48-C -80 -254-C -108-B - 51-C -15 - 53-C -15	2,294,802- 3174-241- C KL7CQ (+ KL7PU) 128,865- 781- 55- C NP4CC (+ KP4BZ,NP4Z,WP4K) 6,863,148- 7356-311- C TIØRC (TI2s CC,IY,KD,OZ,QL,US,TI4SU, ops) 411,840- 858-160- B	W1FJ 501,930- 845-198-C KA1DWX 290,928- 551-178-C A13E 183,600- 408-150-C K1CGJ 72,765- 231-103-C K1CLN 40,848- 148- 92-C K1CLN 40,848- 148- 92-C K1CLN 24,339- 133- 61-B N1DC 13,677- 97- 47-B	WB2UBU K3JGJ K2HPV Western N W2TZ W2FXA W2FTY W2FR	3,078- 38- 27- B 2,205- 35- 21- B 21,234- 169- 42- C20 2,940- 49- 20- B20 ew York 371,742- 742-167- B 95,676- 288-119- C 74,088- 252- 98- B 66,246- 181-122- C
PA3DWA SM6DHU SK4EA (SM0C SK3AH (SM3C SM3DMP SM7TV	1,218 29 14-C 20 540-20 9-A -20 63,450-450-47-C OGQI4, op) 60,324-457-44-C -20 COL, op) 26,199-213-41-C -20 18,081-147-41-C -20 840-20-14-B -20	ZL1AAS 37,008- 257- South America CE3BFZ 2,720,340- 3570- 362Z 248,508- 767- CE4FXY 202,725- 1325- CE3CYM 76,638- 482- CX8CG 43,194- 313- CX2AAL 239,064- 1423-	- 48-C -80 -254-C -108-B - 51-C -15 - 53-C -15 - 46-B -20 - 56-B -15	2,294,802- 3174-241- C KL7CQ (+ KL7PU) 128,865- 781- 55- C NP4CC (+ KP4BZ,NP4Z,WP4K) 6,863,148- 7356-311- C TIØRC (TI2s CC,IY,KD,OZ,QL,US,TI4SU, ops) 411,840- 858-160- B VP2MU (AA4s GA,NC,WB6SHD, ops) 6,421,869-7407-289- C	W1FJ 501 930- 845-198-C KA1DWX 290,928- 551-178-C AI3E 183,600- 408-150-C K1CGJ 72,765- 231-105-A W1GIH 65,199- 211-103-C K1CLN 40,848- 148-92-C KT1O 30,690- 155- 68-C KA1CLV 24,339- 133- 61-B	WB2UBU K3JGJ K2HPV Western N W2TZ W2FXA W2FTY W2FR KA2AJT KW2J	3,078- 38- 27- B 2,205- 35- 21- B 21,294- 169- 42- C- 20 2,940- 49- 20- B- 20 ew York 371,742- 742-167- B 95,676- 268-119- C 74,088- 252- 98- B 66,246- 181-122- C 44,571- 179- 83- B 42,861- 157- 91- B
PA3DWA SM6DHU SK4EA (SM6C SK3AH (SM3C SM3DMP SM7TV SM7HCW SM7FHJ	1,218	ZL1AAS 37,008- 257- South America CE3BFZ 2,720,340- 3570- 3G2Z 248,508- 767- CE4FXY 202,725- 1325- CE3CYM 76,638- 482- CX8CG 43,194- 312- CX2AAL 239,064- 1423- HC1HC 434,652- 2498-	- 48-C -80 -254-C -108-B - 51-C -15 - 53-C -15 - 46-B -20 - 56-B -15 - 58-C -20	2,294,802- 3174-241- C KL7CQ (+ KL7PU) 128,865- 781- 55- C NP4CC (+ KP4BZ,NP4Z,WP4K) 6,863,148- 7356-311- C TIØRC (TI2s CC,IY,KD,OZ,QL,US,TI4SU, ops) 411,840- 858-160- B VP2MU (AA4s GA,NC,WB6SHD, ops) 6,421,869- 7407-289- C XE2EBE (AA6DP,KI6EZ,N6BT,W7MAP,	W1FJ 501,930- 845-198-C KA1DWX 290,928- 551-176-C A13E 183,600- 408-150-C K1CGJ 72,765- 231-105-A W1GIH 65,199- 211-103-C K1CLN 40,848- 148-92-C KA1CLV 24,339- 133- 61-B N1DC 13,677- 97- 47-B N1AU 8,160- 68- 40-C KA1MI 8,954- 61- 38-B W10PJ 3,744- 52- 24-B	WB2UBU K3JGJ K2HPV Western N W2FZ W2FXA W2FTY W2FR K42AJT KW2J WØVU/2 WA2AOG	3,078- 38- 27- B 2,205- 35- 21- B 21,294- 169- 42- C- 20 2,940- 49- 20- B- 20 ew York 371,742- 742-167- B 95,676- 268-119- C 74,088- 252- 98- B 66,246- 181-122- C 44,571- 179- 83- B 42,861- 157- 91- B 38,888- 164- 79- C 38,223- 317- 93- C
PA3DWA SM6DHU SK4EA (SM6C SK3AH (SM3C SM3DMP SM7TV SM7HCW SM7FHJ SM6BDS	1,218	ZL1AAS 37,008- 257- South America CE3BFZ 2,720,340- 3570- 3G2Z 248,508- 767- CE4FXY 202,725- 1325- CE3CYM 76,838- 825- CX8CG 43,194- 313- CX2AAL 239,064- 1423- HC1HC 434,652- 2498- HC1OT 485,469- 2839- HK3MAE 313,785- 1835-	- 48-C -80 -254-C -108-B - 51-C -15 - 53-C -15 - 46-B -20 - 56-B -15 - 58-C -20 - 57-B -15 - 57-B -15	2,294,802- 3174-241- C KL7CQ (+ KL7PU) 128,865- 781- 55- C NP4CC (+ KP4BZ,NP4Z,WP4K) 6,863,148- 7356-311- C TIØRC (Ti2s CC,IY,KD,OZ,OL,U.S,TI4SU, ops) 411,840- 858-160- B VP2MU (AA4s GA,NC,WB6SHD, ops) 6,421,869- 7407-289- C XE2EBE (AA6DP,KI6EZ,N6BT,W7MAP, ops) 4,045,734- 4851-278- B XE2JVI (+ KFEP),NVSS,XE2JVIQ,VIS)	W1FJ 501,930- 845-198-C KA1DWX 290,928- 551-176-C AI3E 183,600- 408-150-C K1CGJ 72,765- 231-105-A W1GIH 65,199- 211-103-C K1CLN 40,848- 148- 92-C KA1CLV 24,339- 133- 61-B N1DC 13,677- 97- 47-B N1AU 8,160- 68- 40-C KA1MI 8,160- 68- 40-C KA1MI 9,160- 48- 40-C KA1MI 18,160- 48- 48- 48- 48- 48- 48- 48- 48- 48- 48	WB2UBU K3JGJ K2HPV Western N W2TZ W2FXA W2FTY W2FR KA2AJT KW2J WØVU/2	3,078- 38- 27- B 2,205- 35- 21- B 21,234- 169- 42- C- 20 2,940- 49- 20- B- 20 ew York 371,742- 742-167- B 95,676- 268-119- C 74,088- 252- 98- B 66,246- 161-122- C 44,571- 179- 83- B 42,861- 157- 91- B 38,888- 164- 79- C 38,223- 137- 93- C 35,697- 163- 73- B
PA3DWA SM6DHU SK4EA (SM0C SK3AH (SM3C SM3DMP SM7TV SM7HCW SM7FHJ SM0EDS SP6DVP SP9KAO	1,218	ZL1AAS 37,008- 257- South America CE3BFZ 2,720,340- 3570- 362Z 248,508- 767- CE4FKY 202,725- 1325- CE3CYM 76,638- 482- CX8CG 43,194- 313- CX2AAL 239,064- 1423- HC1HC 434,652- 2498- HC1OT 485,469- 2839- HK3MAE 313,785- 1835- HK3MAE 313,785- 1835- HK3MJH 224,694- 1314- HK1KWM 202,338- 1249-	- 48-C -80 -254-C -108-B - 51-C -15 - 53-C -15 - 46-B -20 - 56-B -15 - 58-C -20 - 57-B -15 - 57-C -15 - 57-C -15	2,294,802- 3174-241- C KL7CQ (+ KL7PU) 128,865- 781- 55- C NP4CC (+ KP4BZ,NP4Z,WP4K) 6,863,148- 7356-311- C TIØRC (TI2s CC,IY,KD,OZ,QL,US,TI4SU, ops) 411,840- 858-160- B VP2MU (AA4s GA,NC,WB6SHD, ops) 6,421,869- 7407-289- C XE2EBE (AA6DP,KI6EZ,N6BT,W7MAP, ops) 4,045,734- 4851-278- B XE2JVR (+ K5FD,NVSS, XEZSJVQ,JVS) 2,379,195- 3237-245- B	W1FJ 501,930- 845-198-C KA1DWX 290,928- 551-176-C AI3E 183,600- 408-150-C K1CGJ 72,765- 231-105-A W1GIH 65,199- 211-103-C K1CLN 40,848- 148- 92-C KA1CLV 24,339- 133- 61-B N1DC 13,677- 97- 47-B N1AU 8,160- 68- 40-C KA1MI 6,954- 61- 38-B W1OPJ 3,744- 52- 24-B K1EI 2,064- 43- 16-B W1PLJ 1,302- 31- 14-B W1FV 150,696- 728- 69-C -80 KC1Q 89,043- 443- 67- C-80	WB2UBU K3JGJ K2HPV Western N W2TZ W2FXA W2FTY W2FR KA2AJT KW2J W0VU/2 WA2AOG KA2WIK KM2L NA2Q	3,078- 38- 27- B 2,205- 35- 21- B 21,294- 169- 42- C- 20 2,940- 49- 20- B- 20 ew York 371,742- 742-167- B 95,676- 288-119- C 74,088- 252- 98- B 66,246- 161-122- C 44,571- 179- 83- B 42,861- 157- 91- B 38,888- 164- 79- C 38,223- 137- 93- C 35,697- 163- 73- B 32,376- 152- 71- B 24,192- 112- 72- B
PA3DWA SM6DHU SK4EA (SM6C SK3AH (SM3C SM3DMP SM7TV SM7HCW SM7FHJ SM6BDS SP6DVP SP9KAO SP7PGK SP5ALV	1,218	ZL1AAS 37,008- 257- South America CE3BFZ 2,720,340- 3570- 362Z 246,508- 767- CE4FXY 202,725- 1325- CX8CG 43,194- 313- CX2AAL 239,064- 1423- HC1HC 434,652- 2498- HC1OT 485,469- 2839- HK3MAE 313,785- 1835- HK3MJH 224,694- 1314- HK1KWN 202,338- 1249- HK3KRU 133,800- 892-	- 48-C -80 -254-C -108-B - 51-C -15 - 53-C -15 - 46-B -20 - 56-B -15 - 58-C -20 - 57-B -15 - 57-C -15 - 57-B -15 - 57-B -15 - 57-B -15 - 57-B -15	2,294,802- 3174-241- C KL7CQ (+ KL7PU) 128,865- 781- 55- C NP4CC (+ KP4BZ, NP4Z, WP4K) 18,863-148- 7356-311- C TIØRC (TI2s CC,IY,KD,OZ,QL,US,TI4SU, ops) 411,840- 858-160- B VP2MU (AA4s GA,NC,WB6SHD, ops) 6,421,869-7407-289- C XE2EBE (AA6DP,KI6EZ,NGBT,W7MAP, ops) 4,045,734-4851-276- B XE2JVR (+ K5FD,NV5S, XE2sJVQ,JVS) 2,379,195- 3237-245- B Oceania DX6HT (DU9s AA,AF/9,BW,CC,CV,DQ, ops)	W1FJ 501,930- 845-198-C KA1DWX 229,928- 551-176-C AI3E 183,600- 408-150-C K1CGJ 72,765- 231-105-A W1GH 65,199- 211-103-C K1CLN 40,848- 148- 92-C K1CLN 24,339- 133- 61-B N1DC 13,677- 97- 47-B N1AU 8,160- 68- 40-C KA1MI 6,954- 61- 38-B W10PJ 3,744- 52- 24-B W10PJ 1,302- 31- 14-B W1FV 150,696- 728- 69-C -80 K1VUT 5,325- 71- 25-C -40	WBZUBU K3JGJ K2HPV Western N W2TZ W2FXA W2FTY W2FR KA2AJT KW2J W8VU/2 WA2AOG KA2WIK KM2L NA2O WBZDVU W2FUII	3,078- 38- 27- B 2,205- 35- 21- B 21,294- 169- 42- C- 20 2,940- 49- 20- B- 20-
PASDWA SM6DHU SK4EA (SM0C SK3AH (SM3C SM3DMP SM7TV SM7HCW SM7FHJ SM6BDS SP6DVP SP6KAO SP7PGK SP5ALV SP8ALV SP8ALV SP8HMK SP5SL	1,218	ZL1AAS 37,008- 257- South America CE3BFZ 2,720,340- 3570- 362Z 248,508- 767- CE4FKY 202,725- 1325- CE3CYM 76,638- 482- CX8CG 43,194- 313- CX2AAL 239,064- 1423- HC1HC 434,652- 2498- HC1OT 485,469- 2839- HK3JJH 224,694- 1314- HK1KWN 202,338- 1249- HK3KRU 133,800- 892- LU4LAV 966,240- 1830- LU2FFD 506,907- 1119-	- 48- C -80 -254- C -108- B - 51- C -15 - 53- C -15 - 46- B -20 - 56- B -15 - 58- C -20 - 57- B -15 - 57- C -15 - 57- C -15 - 54- B -15 - 50- B -15 - 50- B -15 - 50- C -15	2,294,802- 3174-241- C KL7CQ (+KL7PU) 128,865- 781- 55- C NP4CC (+KP4BZ,NP4Z,WP4K) 6,863,148- 7356-311- C TI0RC (TI2s CC,IY,KD,OZ,QL,US,TI4SU, ops) 411,840- 858-160- B VP2MU (AA4s GA,NC,WB6SHD, ops) 6,421,869- 7407-289- C XE2EBE (AA6DP,KI6EZ,N6BT,W7MAP, ops) 4,045,734- 4851-278- B XEZJYR (+KFD,NVSS,XEZs,IVQ,JVS) 2,379,195- 3237-245- B Oceania DX6HT (DU9s AA,AF/9,BW,CC,CV,DQ, ops) 27,993- 301- 31- C	W1FJ 501,930- 845-198-C KA1DWX 290,928- 551-176-C AI3E 183,600- 408-150-C K1CGJ 72,765- 231-105-A W1GIH 65,199- 211-103-C K1CLN 40,848- 148- 92-C KA1CLV 24,339- 133- 61-B N1DC 13,677- 97- 47-B N1AU 8,160- 68- 40-C KA1MI 6,954- 61- 38-B W1OPJ 3,744- 52- 24-B K1EI 2,064- 43- 16-B W1PLJ 1,302- 31- 14-B W1FV 150,696- 728- 69-C -80 KC1Q 89,043- 443- 67- C-80	WB2UBU K3JGJ K2HPV Western N W2TZ W2FXA W2FTY W2FR K42AJT KW2J W0VU/2 WA2AOG KA2WIK KM2L NA2O WB2DVU W2FUI W2OMV KK2B	3,078- 38- 27- B 2,205- 35- 21- B 21,294- 169- 42- C- 20 2,940- 49- 20- B-
PA3DWA SM6DHU SK4EA (SM0C SK3AH (SM3C SM3DMP SM7TV SM7HCW SM7FHJ SM0BDS SP6DVP SP8KAO SP7PGK SP5ALV SP8HMK	1,218- 29- 14- C- 20 540- 20- 9- A- 20 63,450- 450- 47- 20 60(A), op) 60,324- 457- 44- C- 20 COL, op) 26,199- 213- 41- C- 20 18,081- 147- 41- C- 20 840- 20- 13- C- 20 600- 20- 10- C- 20 10- 7- B- 20 210- 10- 7- B- 20 10,098- 102- 33- B 273- 13- 7- B- 80 4,290- 65- 22- B- 20 4,218- 74- 19- B- 20	ZL1AAS 37,008 257- South America CE3BFZ 2,720,340-3570-3622 248,508-767- CE4FXY 202,725-1325- CE3CYM 76,638-482- CX8CG 43,194-313- CX2AAL 239,064-1423- HC1HC 434,652-2498- HC1HC 485,469-2839- HK3MAE 313,785-1835- HK3JJH 224,694-1314- HK1KWN 202,338-1249- HK3KRU 133,800-892- LU4LAV 966,240-1830- LU2FFD 506,907-1119- LU4D 56,246-394-	- 48- C -80 -254- C -108- B - 51- C -15 - 53- C -15 - 53- C -15 - 56- B -15 - 56- B -15 - 57- B -15 - 57- C -15 - 54- B -15 - 50- B -15 - 176- C - 53- C -40	2,294,802- 3174-241- C KL7CQ (+ KL7PU) 128,865- 781- 55- C NP4CC (+ KP4BZ, NP4Z, WP4K) 18,863-148- 7356-311- C TIØRC (TI2s CC,IY,KD,OZ,QL,US,TI4SU, ops) 411,840- 858-160- B VP2MU (AA4s GA,NC,WB6SHD, ops) 6,421,869-7407-289- C XE2EBE (AA6DP,KI6EZ,NGBT,W7MAP, ops) 4,045,734-4851-276- B XE2JVR (+ K5FD,NV5S, XE2sJVQ,JVS) 2,379,195- 3237-245- B Oceania DX6HT (DU9s AA,AF/9,BW,CC,CV,DQ, ops)	W1FJ 501,930- 845-198-C KA1DWX 290,928- 551-176-C A13E 183,600- 408-150-C K1CGJ 72,765- 231-105-A W1GIH 65,199- 211-103-C K1CLN 40,848- 148- 92-C KA1CLV 24,339- 133- 61-B N1DC 13,677- 97- 47-B N1AU 8,160- 68- 40-C KA1MI 6,954- 61- 38-B W10PJ 3,744- 52- 24-B K1EI 2,064- 43- 16-B W1PLJ 1,302- 31- 14-B W1FV 150,686- 728- 69-C-80 KC1Q 89,043- 443- 67-C-80 KIVUT 5,325- 71- 25-C-40	WBZUBU KAJGJ K2HPV Western N W2TZ W2FXA W2FTY W2FT KA2AJT KW2J W6VU/2 WA2AOG KA2WIK KM2L NA2Q WBZDVU W2FUI W2OMV KK2B WBZABD K2KIR KZKIR	3,078- 38- 27- B 2,205- 35- 21- B 21,294- 169- 42- C- 20 2,940- 20- 49- 20- B- 20 89- 40- 19- 20- B- 20 80- 20- 20- 20- 20 80- 20- 20- 20- 20 80- 20- 20- 20- 20 80- 20- 20- 20- 20 80- 20- 20- 20 80- 20- 20- 20 80- 20- 20- 20 80- 20- 20- 20 80- 20- 20- 20 80- 20- 20- 20 80- 20- 20- 20 80- 20- 20- 20 80- 20- 20- 20 80- 20- 20- 20 80- 20- 20- 20 80- 20- 20- 20 80- 20- 20- 20 80- 20- 20- 20 80
PASDWA SM6DHU SK4EA (SM0C SK3AH (SM3C SM3DMP SM7TV SM7HCW SM7FHJ SM6BDS SP6DVP SP8KAO SP7PGK SP5ALV SP8HMK SP5PSL SP6JZG SP6JZG SP6JWN UA1ZO	1,218	ZL1AAS 37,008- 257- South America CE3BFZ 2,720,340- 3570- 362Z 246,508- 767- CE4FXY 202,725- 1325- CE3CYM 76,638- 482- CX8CG 43,194- 313- CX2AAL 239,064- 1423- HC1HC 434,652- 2498- HC1OT 485,469- 2839- HK3MAE 313,785- 1835- HK3MJH 224,694- 1314- HK1KWN 202,338- 1249- HK3KRU 133,800- 892- LU4LAV 966,240- 1830- LU2FFD 506,997- 1119- LU4D 62,646- 394- LU1FLY 176,904- 1053-	- 48- C - 80 -254- C - 108- B - 51- C - 15 - 53- C - 15 - 53- C - 15 - 58- C - 20 - 56- B - 15 - 57- B - 15 - 57- B - 15 - 57- C - 15 - 50- B - 15 - 15- C - 151- C - 53- C - 40 - 56- C - 20	2,294,802- 3174-241- C KL7CQ (+KL7PU) 128,865- 781- 55- C NP4CC (+KP4BZ,NP4Z,WP4K) 18,865- 781- 55- C NP4CC (+KP4BZ,NP4Z,WP4K) 18,965- 11- C 110RC (TI2s CC,IY,KD,OZ,QL,US,TI4SU, ops) 411,840- 858-160- B VP2MU (AA4s GA,NC,WB6SHD, ops) 6,421,869- 7407-269- C XEZEBE (AA6DP,KI6EZ,N6BT,W7MAP, ops) 4,045,734- 4851-276- B XE2JVR (+K5FD,NV5S,XE2sJVQ,JVS) 2,379,195- 3237-245- B Oceania DX6HT (DU9s AA,AF/9,BW,CC,CV,DQ, ops) 27,993- 301- 31- C N1EE/KH6 (+KIPR) 835,029- 1521-183- C South America	W1FJ 501,930- 845-198-C KA1DWX 290,928- 551-176-C AI3E 183,600- 408-150-C K1CGJ 72,765- 231-105-A W1GH 65,199- 211-103-C K1CLN 40,848- 148- 92-C K1CLN 24,339- 133- 61-B N1DC 13,677- 97- 47-B N1DU 13,677- 97- 47-B N1DU 8,160- 68- 40-C KA1MI 8,160- 68- 40-C KA1MI 6,954- 61- 38-B W1OPJ 3,744- 52- 24-B K1EI 2,064- 43- 16-B W1PLJ 1,302- 31- 14-B W1PLJ 1,3	WBZUBU K3JGJ K2HPV Western N W2TZ W2FXA W2FTY W2FR KA2AJT KW2J WA2AOG KA2WIK KM2L NA2O WB2DVU W2FUI W2OMV KK2B WB2ABD	3,078- 38- 27- B 2,205- 35- 21- B 21,234- 169- 42- C- 20 2,940- 49- 20- B- 20 ew York 371,742- 742-167- B 95,676- 268-119- C 74,088- 252- 98- B 66,246- 161- 22- C 44,571- 179- 83- B 42,861- 167- 91- B 38,868- 164- 79- C 38,223- 137- 93- C 35,697- 163- 73- B 32,376- 152- 71- B 24,192- 112- 72- B 19,392- 101- 64- B 15,680- 116- 45- C 6,510- 62- 35- B 3,567- 41- 29- B 10,944- 96- 38- C80
PA3DWA SM6DHU SK4EA (SM0C SK3AH (SM3C SM3DMP SM7TV SM7HCW SM7FHJ SM0BDS SP6DVP SP8KAO SP7PGK SP5ALV SP8HMK SP5PSL SP6JZG SP9HWN	1,218	ZL1AAS 37,008- 257- South America CE3BFZ 2,720,340- 3570- 362Z 248,508- 767- CE4FKY 202,725- 1325- CE3CYM 76,638- 482- CX8CG 43,194- 313- CX2AAL 239,064- 1423- HC1HC 434,652- 2498- HC1OT 485,469- 2839- HK3JJH 224,694- 1314- HK1KWN 202,338- 1249- HK3KRU 133,800- 892- LU4LAV 966,240- 1830- LU2FFD 506,907- 1119- LU4D 62,646- 394- LU1FLY 176,904- 1053- LU2E (LU8DPM, op) 366,568- 2184- K5KG/LU 379,252- 2212-	- 48- C - 80 -254- C - 108- B - 51- C - 15 - 53- C - 15 - 53- C - 15 - 58- C - 20 - 56- B - 15 - 57- B - 15 - 57- B - 15 - 57- C - 15 - 50- C - 20 - 56- C - 25 - 57- C - 15	2,294,802- 3174-241- C KL7CQ (+ KL7PU) 128,865- 781- 55- C NP4CC (+ KP4BZ,NP4Z,WP4K) 6,863,148- 7356-311- C TIØRC (Ti2s CC,IY,KD,OZ,QL,US,TI4SU, ops) 411,840- 858-160- B VP2MU (AA4s GA,NC,WB6SHD, ops) 6,421,869- 7407-289- C XE2EBE (AA6DP,KI6EZ,N6BT,W7MAP, ops) 4,045,734- 4851-278- B XE2JVR (+ K5FD,NVSS,XE2J,VQ,JVS) 2,379,195- 3237-245- B Oceania DX6HT (DU9s AA,AF/9,BW,CC,CV,DQ, ops) 27,993- 301- 31- C N1EE/KH6 (+ K1PR) 835,029- 1521-183- C South America LU1VZ (LU1s VD,VD,JVK,VJR,LU3DXL,	W1FJ S01,930- 845-198-C KA1DWX 290,928- 551-176-C AI3E 183,600- 408-150-C K1CGJ 72,765- 231-105-A W1GH 65,199- 211-103-C K1CLN 40,848- 148- 92-C K1CLN 24,339- 133- 61-B N1DC 13,677- 97- 47-B N1DC 13,677- 97- 47-B N1DC 13,677- 97- 47-B N1DC 3,744- 52- 24-B K1EI 2,064- 43- 16-B W10PJ 1,302- 31- 14-B W1PJ 1,302- 31- 14-B W1PJ 1,502- 31- 14-B W1PJ 1,505- 726- 69-C -80 K1VUT 5,325- 71- 25-C -40 Maine N1AFC 52,437- 227- 77- A New Hampshire KM1H (KQ2M, op) 1,783,715- 1915-307-C KC1F 1,735,344- 1854-312-C K105- AI3E- AI3	WBZUBU K3JGJ K2HPV Western N W2TZ W2FXA W2FTY W2FR KA2AJT KW2J W8VU/2 WA2AOG KA2WIK KM2L NA2O WBZDVU W2FUI W2OMV KK2B WB2ABD K2KIR NG2X	3,078- 38- 27- B 2,205- 35- 21- B 21,294- 169- 42- C- 20 2,940- 49- 20- B- 20 W York 371,742- 742-167- B 95,676- 288-119- C 74,088- 252- 98- B 66,246- 181-122- C 44,571- 179- 83- B 42,861- 157- 91- B 38,888- 164- 79- C 38,283- 319- 93- C 35,697- 163- 73- B 32,376- 152- 71- B 24,192- 112- 72- B 19,392- 101- 64- B 15,680- 116- 45- C 6,510- 62- 35- B 3,567- 41- 29- B 10,944- 96- 38- C- 80 50,820- 308- 55- C- 40 112,890- 530- 71- C- 20
PASDWA SM6DHU SK4EA (SM0C SK3AH (SM3C SM3DMP SM7TV SM7HCW SM7FHJ SM6BDS SP6DVP SP8KAO SP7PGK SP5ALV SP8HMK SP5FSL SP6JZG SP9HWN UA1ZO UW6MA UA4CO UB5WE	1,218	ZL1AAS 37,008 257- South America CE3BFZ 2,720,340-3570-3622 248,508-767- CE4FXY 202,725-1325- CE3CYM 76,638-482- CX8CG 43,194-313- CX2AAL 239,064-1423- HC1HC 434,652-2498- HC1OT 485,469-2839- HK3MAE 313,785-1835- HK3JJH 224,694-1314- HK1KWN 202,338-1249- HK3KRU 133,800-892- LU4LAV 966,240-1830- LU2FFD 506,907-1119- LU4D 62,646-394- LU1FLY 176,904-1053- LU2E (LU8DPM, op) 386,568-2184-	- 48- C - 80 -254- C - 108- B - 51- C - 15 - 53- C - 15 - 53- C - 15 - 58- C - 20 - 56- B - 15 - 57- B - 15 - 57- B - 15 - 57- C - 15 - 50- C - 20 - 56- C - 25 - 57- C - 15	2,294,802- 3174-241-C KL7CQ (+KL7PU) 128,865- 781- 55-C NP4CC (+KP4BZ,NP4Z,WP4K) 6,863,148- 7356-311-C TI0RC (TI2s CC,IY,KD,OZ,QL,US,TI4SU,ops) 411,840- 858-160-B VP2MU (AA4s GA,NC,WB6SHD,ops) 6,421,869- 7407-289-C XE2EBE (AA6DP,KI6EZ,NGBT,W7MAP,ops) 4,045,734- 4851-278-B XEZJYR (+KFD,NVSS,XEZJNVQ,JVS) 2,379,195- 3237-245-B Oceania DX6HT (DU9s AA,AF/9,BW,CC,CV,DQ,ops) 27,993- 301- 31-C N1EE/KH6 (+K1PR) 835,029- 1521-183-C South America LU1VZ (LU1s VD,VDJ,VK,VJR,LU3DXL,LU7VCA,ops),809-04- 2706-228-C LU4BAA (LU1ANG,LU2AAP,LU7DEE,	M1FJ 501,930- 845-198-C KA1DWX 290,928- 551-176-C AI3E 183,600- 408-150-C K1CGJ 72,765- 231-105-A W1GIH 65,199- 211-103-C K1CLN 40,848- 148-92-C KA1CLV 24,339- 133- 61-B N1DC 13,677- 97- 47-B N1DC 13,677- 97- 47-B N1DC 13,677- 97- 47-B N1DC 13,677- 97- 47-B W1DC 13,677- 97- 47-B W1DC 13,677- 97- 47-B W1DC 13,744- 52- 24-B K1EI 2,064- 43- 16-B W1PLJ 1,302- 31- 14-B W1FV 150,696- 728- 69-C-80 KC1Q 89,043- 443- 67-C-80 KUTUT 5,325- 71- 25-C-40 Maine N1AFC 52,437- 227- 77-A New Hampshire KM1H (KQ2M, op) 1,763,715- 1915-307-C	WBZUBU K3JGJ K2HPV Western N W2TZ W2FXA W2FTY W2FR KA2AJT KW2J WA2AOG KA2WIK KM2L NA2O WB2DVU W2FUI W2OMV KK2B WB2ABD K2KIR NG2X KA2CIW	3,078- 38- 27- B 2,205- 35- 21- B 21,294- 169- 42- C- 20 2,940- 49- 20- B- 20 W York 371,742- 742-167- B 95,676- 288-119- C 74,088- 252- 98- B 66,246- 181-122- C 44,571- 179- 83- B 42,861- 157- 91- B 38,888- 164- 79- C 38,283- 319- 93- C 35,697- 163- 73- B 32,376- 152- 71- B 24,192- 112- 72- B 19,392- 101- 64- B 15,680- 116- 45- C 6,510- 62- 35- B 3,567- 41- 29- B 10,944- 96- 38- C- 80 50,820- 308- 55- C- 40 112,890- 530- 71- C- 20
PASDWA SM6DHU SK4EA (SM0C SK3AH (SM3C SM3DMP SM7TV SM7H-U SM7EHJ SM6BDS SP6DVP SP9KAO SP7PGK SP5ALV SP8HMK SP5SL SP6JZG SP6JZG SP6JZG SP6JZG UW6MA UA4CO UB5WE RB5DX UB5FN	1,218	ZL1AAS 37,008- 257- South America CE3BFZ 2,720,340- 3570- 362Z 248,508- 767- CE4FKY 202,725- 1325- CE3CYM 76,638- 482- CX8CG 43,194- 313- CX2AAL 239,064- 1423- HC1HC 434,652- 2498- HC1OT 485,469- 2839- HK3MAE 313,785- 1835- HK3MJH 224,694- 1314- HK1KWN 202,338- 1249- HK3KRU 133,800- 892- LU4LAV 966,240- 1834- HK3KRU 133,800- 892- LU4LAV 966,240- 180- LU2FFD 506,907- 1119- LU4D 62,646- 394- LU1FLY 176,904- 1053- LU2E (LUBDPM, op) K5KG/LU 378,252- 2212- LUBESU 69,174- 427- LU1E (LU3AJW, op)	- 48- C - 80 -254- C - 108- B - 51- C - 15 - 53- C - 15 - 53- C - 15 - 58- C - 15 - 57- B - 15 - 57- C - 15 - 54- B - 15 - 15- C - 20 - 59- C - 15 - 54- B - 15 - 54- C - 10	2,294,802- 3174-241- C KL7CQ (+KL7PU) 128,865- 781- 55- C NP4CC (+KP4BZ,NP4Z,WP4K) 18,865- 781- 55- C NP4CC (+KP4BZ,NP4Z,WP4K) 18,863-11- C TIØRC (TI2s CC,IY,KD,OZ,QL,US,TI4SU, ops) 411,840- 858-160- B VP2MU (AA4s GA,NC,WB6SHD, ops) 6,421,869- 7407-269- C XEZEBE (AA6DP,KI6EZ,N6BT,W7MAP, ops) 4,045,734- 4851-276- B XE2JVR (+KSFD,NV5S,XE2sJVQ,JVS) 2,379,195- 3237-245- B Oceania DX6HT (DU9s AA,AF/9,BW,CC,CV,DQ, ops) 27,993- 301- 31- C N1EE/KH6 (+KIPS) 835,029- 1521-183- C South America LU1VZ (LU1s VD,VDJ,VK,VJR,LU3DXL, LU7VCA, ops),850,904- 2706-228- C LU6AA (LU1ANG,LU2AAP,LU7DEE, W1CBN, ops) 206,872- 1262-152- C PJUSJ (W18 BIH,WEF, ops)	M1FJ 501,930- 845-198-C KA1DWX 290,928- 551-176-C AI3E 183,600- 408-150-C K1CGJ 72,765- 231-105-A W1GIH 65,199- 211-103-C K1CLN 40,848- 148- 92-C K1CLN 24,339- 133- 61-B W1DC 13,677- 97- 47-B W1DC 13,677- 97- 47-B W1DC 13,677- 97- 47-B W1DC 13,674- 52- 24-B W1OPJ 3,744- 52- 24-B W1OPJ 3,744- 52- 24-B W1PLJ 1,302- 31- 14-B W1FV 150,696- 728- 69-C -80 K1VUT 5,325- 71- 25-C -40 Maine W1AFC 52,437- 227- 77-A New Hampshire KM1H (KC2M, op) 1,763,715- 1915-307-C K1AR 1,399,398- 1631-286-C K1DG 1,042,152- 1384-251-C	WB2UBU K3JGJ K2HPV Western N W2TZ W2FXA W2FTY W2FR K42AJT KW2J W9VU/2 WA2AOG KA2WIK KM2L NA2O WB2DVU W2FUI W2OMV KK2B WB2ABD K2KIR NG2X KA2CIW 3 Delaware AA1K	3,078- 38- 27- B 2,205- 35- 21- B 21,294- 169- 42- C- 20 2,940- 49- 20- B- 20 ew York 371,742- 742-167- B 95,676- 268-119- C 74,088- 252- 98- B 66,246- 181-122- C 44,571- 179- 83- B 42,861- 157- 91- B 38,888- 164- 79- C 38,233- 137- 93- C 35,697- 163- 73- B 32,376- 152- 71- B 24,192- 112- 72- B 19,392- 101- 64- B 15,660- 116- 45- C 6,510- 62- 35- B 3,567- 41- 29- B 10,944- 96- 38- C- 40 112,890- 530- 71- C- 20 3,744- 52- 24- B - 20
PASDWA SM6DHU SK4EA (SM0C SK3AH (SM3C SM3DMP SM7TV SM7HCW SM7FHJ SM0BDS SP6DVP SP9KAO SP7PGK SP5ALV SP8HMK SP5PSL SP6HWN UA1ZO UW6MA UA4CO UB5WE RB5DX	1,218	ZL1AAS 37,008 257- South America CE3BFZ 2,720,340 3570- 3622 248,508 767- CE4FXY 202,725 1325- CE3CYM 76,638 482- CX8CG 43,194 313- CX2AAL 239,064 1423- HC1OT 485,469 2839- HK3MAE 313,785 835- HK3MAE 313,785 1835- HK3KRU 133,800 892- LU4LAV 966,240 1830- LU2FFD 506,907- LU4D 62,646 394- LU1FLY 176,904- 1053- LU2E (LUBDPM, op) 386,568 2184- KSKG/LU 378,252 2212- LUBESU 69,174 427- LU1E (LU3AJW, op) 213,348 1483- LU5UL 94,374 642- LU1UAI 16,533 167-	- 48- C - 80 -254- C - 108- B - 51- C - 15 - 53- C - 15 - 53- C - 15 - 55- B - 15 - 57- C - 15	2,294,802- 3174-241- C KL7CQ (+ KL7PU) 128,865- 781- 55- C NP4CC (+ KP4BZ,NP4Z,WP4K) 6,863,148- 7356-311- C TIØRC (TI2s CC,IY,KD,OZ,QL,US,TI4SU, ops) 411,840- 858-160- B VP2MU (AA48 GA,NC,WB6SHD, ops) 6,421,869- 7407-289- C XE2EBE (AA6DP,KI6EZ,N6BT,W7MAP, ops) 4,045,734- 4851-278- B XE2JVR (+ K5FD,NVSS,XE2J,VQ,JVS) 2,379,195- 3237-245- B Oceania DX6HT (DU9s AA,AF/9,BW,CC,CV,DQ, ops) 27,993- 301- 31- C N1EE/KH6 (+ K1PR) 835,029- 1521-183- C South America LU1VZ (LU1s VD,VDJ,VK,VJR,LU3DXL, LU7VCA, ops),850,904- 2706-228- C LU6AA (LU1ANG,LU2APA,LU7DEE, W1CBN, ops) 206,872- 1262-152- C	W1FJ S01,930	WB2UBU KA2HPV Western N W2TZ W2FXA W2FTY W2FR KA2AJT KW2J W6VU/2 WA2AOG KA2WIK KM2L NA2O WB2DVU W2FUI W2DWV KK2B W2OMV KK2B W32AG KA2WIR KA2L KA2U W32AG KA2WIK KM2L KA2U KA2U KA2U KA2U KA2U KA2U KA2U KA2U	3,078- 38- 27- B 2,205- 35- 21- B 21,294- 169- 42- C- 20 2,940- 49- 20- B- 20 ew York 371,742- 742-167- B 95,676- 268-119- C 74,088- 262- 98- B 66,246- 181-122- C 44,571- 179- 83- B 42,861- 157- 91- B 38,283- 137- 93- C 38,233- 137- 93- C 38,233- 152- 71- B 24,192- 112- 72- B 19,392- 101- 64- B 15,600- 116- 45- C 6,510- 62- 35- B 3,567- 41- 29- B 10,944- 96- 38- C- 80 5,820- 308- 55- C- 40 112,890- 33,744- 52- 24- B- 20
PASDWA SM6DHU SK4EA (SM0C SK3AH (SM3C SM3DMP SM7TV SM7HCW SM7FHJ SM0BDS SP6DVP SP9KAO SP7PGK SP5ALV SP8HMK SP5PSL SP6JZG SP9HWN UA1ZO UW6MA UA4CO UB5WE RB5DX UB5IFN UB5UAT UTC2AA	1,218	ZL1AAS 37,008 257- South America CE3BFZ 2,720,340 3570- 3622 248,508 767- CE4FXY 202,725 1325- CE3CYM 76,638 482- CX8CG 43,194 313- CX2AAL 239,064 1423- HC1HC 434,652 2498- HC1HC 434,652 2498- HC1HC 434,652 1498- HK3MAE 313,785 1835- HK3MJH 224,694 1314- HK1KWN 202,338 1249- HK3KRU 133,800 892- LU4LAV 966,240 1830- LU2FFD 506,907 1119- LU4DPM, op) S86,568 2184- LU2E (LUBDPM, op) S86,568 2184- LU2E (LUBDAJW, op) S37,252 2212- LU1E (LU3AJW, op) 231,348 1483- LU5UL 94,374 642- LU1UAI 16,533 167- OA4SS 1,421,550 2430-	- 48- C - 80 -254- C - 108- B - 51- C - 15- 53- C - 15- 54- B - 15- 54- B - 15- 15- 65- C - 20 - 57- B - 15- 54- B - 15- 54- B - 15- 54- B - 15- 55- C	2,294,802- 3174-241- C KL7CQ (+KL7PU) 128,865- 781- 55- C NP4CC (+KP4BZ,NP4Z,WP4K) 18,865- 781- 55- C NP4CC (+KP4BZ,NP4Z,WP4K) 18,863-131- C TIØRC (TI2s CC,IY,KD,OZ,QL,US,TI4SU, ops) 411,840- 858-160- B VP2MU (AA4s GA,NC,WB6SHD, ops) 6,421,869-7407-289- C XE2EBE (AA6DP,KI6EZ,NBET,W7MAP, ops) 4,045,734-4851-278- B XE2JVR (+K5FD,NV5S,XE2sJVQ,JVS) 2,379,195- 3237-245- B Oceania DX6HT (DU9s AA,AF/9,BW,CC,CV,DQ, ops) 27,993- 301- 31- C N1EE/KH6 (+K1PR) 835,029- 1521-183- C South America LU1VZ (LU1s VD,DJ,VK,VJR,LU3DXL, LU7VCA, ops),850,904- 2706-228- C LU6AA (LU1ANG,LU2AAP,LU7DEE, W1CBN, ops) 206.872- 1262-152- C PJØB (K2NG,KRZW, ops) 4,893,660- 5262-310- C	W1FJ S01,930	WB2UBU K3JGJ K2HPV Western N W2TZ W2FXA W2FTY W2FR KA2AJT KW2JJ W8VU/2 WA2AOG KA2WIK KM2L NA2O WB2DVU W2FUI W2OMV KK2B WB2ABD K2KIR NG2X KA2CIW 3 Delaware AA1K W3XU W3NX Eastern Pe	3,078- 38- 27- B 2,205- 35- 21- B 21,294- 35- 21- B 21,294- 169- 42- C- 20 2,940- 49- 20- B- 20 89- 47- 20- B- 20 89- 48- 28- 38- B- 8- 8- 8- 8- 8- 8- 8- 8- 8- 8- 8- 8- 8-
PASDWA SM6DHU SK4EA (SM0C SK3AH (SM3C SM3DMP SM7TV SM7H-CW SM7H-CW SM7FHJ SM6BDS SP6DVP SP8KAO SP7PGK SP5ALV SP8HMK SP5PSL SP6JZG SP6JZG SP9HWN UA1ZO UB5WE RB5DX UB5WE RB5DX UB5WE TB5UAT UB5UAT UT4UZ	1,218	ZL1AAS 37,008 257- South America CE3BFZ 2,720,340 3570- 362Z 248,508 767- CE4FXY 202,725 1325- CE3CYM 76,638 482- CX8CG 43,194 313- CX2AAL 239,064 1423- HC1OT 484,669 2839- HK3MAE 313,785 835- HK3MAE 313,785 1835- HK3KRU 133,800 892- LU4LAV 966,240 1830- LU2FFD 506,907- LU4D 62,646 394- LU1FLY 176,904- 1053- LU2E (LUBDPM, op) 386,568 2184- KSKG/LU 378,252 2212- LUBESU 69,174 427- LU1E (LU3AJW, op) 231,348 1483- LU5UL 94,374 642- LU1UAI 16,533 167- OA4SS 1,421,550 2430- OA4ZV 92,400 616- PP8ZAT 438,150 1270-	- 48- C - 80 -254- C - 108- B - 51- C - 15- 53- C - 15- 58- C - 15- 58- C - 20 - 57- B - 15- 54- C - 15- C - 15- 55- 55- 55- 55- 55- 55- 55- 55- 5	2,294,802- 3174-241-C KL7CQ (+KL7PU) 128,865- 781- 55-C NP4CC (+KP4BZ,NP4Z,WP4K) 18,865- 781- 55-C NP4CC (+KP4BZ,NP4Z,WP4K) 18,863-131-C TIØRC (TI2s CC,IY,KD,OZ,QL,US,TI4SU, ops) 411,840- 858-160-B VP2MU (AA4s GA,NC,WB6SHD, ops) 6,421,869-7407-289-C XE2EBE (AA6DP,KI6EZ,NBET,W7MAP, ops) 4,405,734-4851-278-B XE2JVR (+K5FD,NVSS,XE2sJVQ,JVS) 2,379,195- 3237-245-B Oceania DX6HT (DU9s AA,AF/9,BW,CC,CV,DQ, ops) 27,993- 301- 31-C N1EE/KH6 (+K1PR) 835,029- 1521-183-C South America LU1VZ (LU1s VD,VDJ,VK,VJR,LU3DXL, LU7VCA, ops),850,904-2706-228-C LU5AA (LU1ANG,LU2AAP,LU7DEE, W1CBN, ops) 206,872-1262-152-C PJ9J (W1s BIH,WEF, ops) 6,675,840-6954-320-C PJØB (K2RG,KR2W, ops) 4,893,660- 5262-310-C TWO Transmitter	W1FJ S01,930	WB2UBU KA2MIK KM2L NA2O WB2DVU WZFT WB2DVU WZFR KA2AJT KW2J WB2DVU WZFUI WA2AOG KA2WIK KM2L NA2O WB2DVU WZFUI WZOMV KK2B WB2ABD KZKIR NG2X KA2CIW 3 Delaware AA1K W3XU W3NX	3,078- 38- 27- B 2,205- 35- 21- B 21,294- 35- 21- B 21,294- 169- 42- C- 20 2,940- 49- 20- B- 20 ew York 371,742- 742-167- B 95,676- 268-119- C 74,088- 262- 98- B 66,246- 181-122- C 44,571- 179- 83- B 42,861- 157- 91- B 38,283- 137- 93- C 38,283- 137- 93- C 38,283- 137- 93- C 35,697- 163- 73- B 32,376- 152- 71- B 24,192- 112- 72- B 19,392- 101- 64- B 15,600- 116- 45- C 6,510- 62- 35- B 3,567- 41- 29- B 10,944- 96- 38- C- 80 50,820- 308- 55- C- 40 112,890- 530- 71- C- 20 3,744- 52- 24- B- 20
PASDWA SM6DHU SK4EA (SM6C SK3AH (SM3C SM3DMP SM7TV SM7FHJ SM7FHJ SM6BDS SP6DVP SP9KAO SP7PGK SP5ALV SP8HMK SP5PSL SP6JZG SP9HWN UA1ZO UW8MA UA4CO UB5WE RB5DX UB5IFN UB5UAT UT4UZ UC2AA RO4OA UP3BH UP2BO	1,218	ZL1AAS 37,008 257- South America CE3BFZ 2,720,340 3570- 3622 246,508 767- CE4FXY 202,725 1325- CE3CYM 76,638 482- CX8CG 43,194 313- CX2AAL 239,064 1423- HC1HC 434,652 2498- HC1OT 485,469 2839- HK3MAE 313,785 1835- HK3JMAE 313,785 1835- HK3JMAE 313,785 1835- HK3HW 202,338 1249- HK3KRU 133,800 89- LU4LAV 966,240 830- LU4LFD 506,907 1119- LU4D 26,2646 394- LU1FLY 176,904 1053- LU2E (LUBDPM, op) 386,568- 2184- K5KG/LU 378,252 2212- LUBESU 69,174 427- LU1E (LU3AJW, op) LU5UL 94,374 682- LU1IAI 16,553 167- OA4SS 1,421,550 281- OA4SS 1,421,550 281- OA4ST 1,421- OA	- 48- C - 80 -254- C - 108- B - 51- C - 15- C	2,294,802- 3174-241- C KL7CQ (+KL7PU) 128,865- 781- 55- C NP4CC (+KP4BZ,NP4Z,WP4K) 18,865- 781- 55- C NP4CC (+KP4BZ,NP4Z,WP4K) 18,863-148- 7356-311- C TIØRC (TI2s CC,IY,KD,OZ,QL,US,TI4SU, ops) 411,840- 858-160- B VP2MU (AA4s GA,NC,WB6SHD, ops) 6,421,869- 7407-269- C XEZEBE (AA6DP,KI6EZ,N6BT,W7MAP, ops) 4,045,734- 4851-276- B XE2JVR (+K5FD,NV5S,XE2sJVQ,JVS) 2,379,195- 3237-245- B Oceania DX6HT (DU9s AA,AF/9,BW,CC,CV,DQ, ops) 27,993- 301- 31- C N1EE/KH6 (+KIPR) 835,029- 1521-183- C South America LU1VZ (LU1s VD,VDJ,VK,VJR,LU3DXL, LU7VCA, ops), 850,904- 2706-228- C LU6AA (LU1ANG,LU2AAP,LU7DE, W1CBN, ops) 206,872- 1262-152- C PJ9J (W1s BH,WEF, ops) 6,675,840- 6954-320- C PJ9B (K2NG,KR2W, ops) 4,893,660- 5262-310- C TWO Transmitter	W1FJ S01 930- 845-198- C KA1DWX 290,928- 551-176- C A13E 183,600- 408-150- C K1CGJ 72,765- 231-105- A W1GH 65,199- 211-103- C K1CLN 40,848- 148-92- C K1CLN 24,339- 133- 61- B N1DC 13,677- 97- 47- B N1DC 13,677- 91- 25- C 40- C	WB2UBU K3JGJ K2HPV Western N W2TZ W2FXA W2FTY W2FR K42AJT KW2J W0VU/2 WA2AOG KA2WIK KM2L NA2O WB2DVU W2FUI W2OMV KK2B WB2ABD K2KIR NG2X KA2CIW 3 Delaware AA1K W3XU W3NX Eastern Pc W3BGN K3WW W3UM	3,078- 38- 27- B 2,205- 35- 21- B 21,294- 35- 21- B 21,294- 169- 42- C- 20 2,940- 49- 20- B- 20 ew York 371,742- 742-167- B 95,676- 268-119- C 74,088- 252- 98- B 66,246- 181-122- C 44,571- 179- 83- B 42,861- 157- 91- B 38,888- 164- 79- C 38,223- 137- 93- C 35,697- 163- 73- B 32,376- 152- 71- B 24,192- 112- 72- B 19,392- 101- 64- B 15,660- 162- 35- B 3,567- 41- 29- B 10,944- 96- 38- C- 90 112,890- 530- 71- C- 20 3,744- 52- 24- B- 20 1,352,295- 1701-265- C 414,786- 947-146- C 288,225- 525-183- C emsylvania 1,309,608- 1692-258- C 1,259,250- 1679-250- C 545,724- 978-186- C
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PASDWA SM6DHU SK4EA (SM8C SK3AH (SM3C) SM3DMP SM7TV SM7HCW SM7FHJ SM8DDS SP6DVP SP9KAO SP7PGK SP5ALV SP8HMK SP5PSL SP6JZG SP9HWN UA1ZO UW6MA UA4CO UB5WE RB5DX UB5IFN UB5UAT UT4UZ UC2AA RO4OA UP3BH UP2BO UC1GWW UR1RWX Y44UIAA Y52WG Y42LK Y25HL Y25HL Y38YK	1,218	ZL1AAS 37,008- 257- South America CE3BFZ 2,720,340- 3570- 3622 246,508- 767- CE4FXY 202,725- 1325- CE3CYM 76,638- 482- CX8CG 43,194- 313- CX2AAL 239,064- 1423- KC1HC 434,652- 2498- HC1OT 485,469- 2839- HK3MAE 313,785- 1835- HK3MAE 313,785- 1835- HK3MAE 133,800- 892- LU4LAV 966,240- 1830- LU2FFD 506,907- 1119- LU4LAV 966,240- 1830- LU2FFD 506,907- 1119- LU4LAV 966,240- 1830- LU2FG (LUBDPM, op) 386,658- 2184- K5KG/LU 378,252- 2212- LUBESU 69,174- 427- LU1E (LU3AJW, op) LU2E (LU3AJW, op) 231,348- 1483- LU5UL 94,374- 642- LU1UAI 16,533- 167- OA4SS 1,421,550- 2430- OA4ZV 92,400- 616- PPBZAT 438,150- 1270- PTZTF 282,576- 812- PY1LI 75,816- 486- PY4OY 26,199- 213- PY5IW 509,544- 3033- ZY1OL 25,461- 207- PY6WT 4,830- 70- 4M4A 3,131,208- 3768- YX5D 744,576- 1108- ZY1NEZ 186,732- 1197-	- 48- C - 80 -254- C - 108- B - 51- C - 15 - 53- C - 15 - 53- C - 15 - 55- B - 15 - 57- B - 15 - 57- B - 15 - 57- C - 15 - 56- C - 20 - 59- C - 151- C - 151	2,294,802- 3174-241- C KL7CQ (+KL7PU) 128,865- 781- 55- C NP4CC (+KP4BZ,NP4Z,WP4K) 118,865- 781- 55- C NP4CC (+KP4BZ,NP4Z,WP4K) 118,865- 181- 55- C 118RC (TI2s CC,IY,KD,OZ,QL,US,TI4SU, ops) 411,840- 858-160- B VP2MU (AA4s GA,NC,WB6SHD, ops) 6,421,869- 7407-269- C XEZEBE (AA6DP,KIGEZ,NGBT,W7MAP, ops) 4,045,734- 4851-278- B XE2JVR (+KSFD,NV5S,XE2sJVQ,JVS) 2,379,195- 3237-245- B Oceania DX6HT (DU9s AA,AF/9,BW,CC,CV,DQ, ops) 27,993- 301- 31- C N1EE/KH6 (+KIPS) 835,029- 1521-183- C South America LU1VZ (LU1s VD,VDJ,VK,VJR,LU3DXL, LU7VCA, ops), 850,904- 2706-228- C LU6AA (LU1ANG,LU2AAP,LU7DEE, W1CBN, ops) 206,872- 1262-152- C PJ9J (W1s BH,WEF, ops) 6,675,840- 6954-320- C PJ9B (K2NG,KR2W, ops) 4,893,660- 5262-310- C TWO Transmitter Asia JA1YWX (JJ1HJR,JM1s CAX,MCF, JO1BM1,J12GUT,JJ2DIM,JN3PYQ,JR4 NIV,JH5DXO,JA6-9336,JH7PKU, ops) 705,750- 1882-125- C JAYYEF (JN1RON,JQ1NBV,JE7s JWB, MOY,JF7s AAD,GQK,LEI,TDN,JR7S 40YC,JLU,OEF, FILB,WFH,JHBONT, JR9MUZ, ops) 611,433- 1657-123- C	W1FJ S01/930- 845-198-C KA1DWX 290,928- 551-178-C AI3E 183,600- 408-150-C K1CGJ 72,765- 231-105-A W1GH 65,199- 211-103-C K1CLN 40,848- 148- 92-C K1CLN 24,339- 133- 61-B W1DC 13,677- 97- 47-B W1BU 6,160- 68- 40-C K1CLN 24,339- 133- 61-B W1DC 3,744- 52- 24-B W1PJ 1,302- 31- 14-B W1PJ 1,302- 31- 14-B W1PJ 1,502- 31- 14-B W1PJ 1,505- 728- 69-C -80 K1VUT 5,325- 71- 25-C -40 Maine N1AFC 52,437- 227- 77-A New Hampshire KM1H (KQ2M, op) 1,763,715- 1915-307-C K1AR 1,399,398- 1631-286-C K1AR 1,404-151- C K1AR 560,394- 978-191-C K1AR 560,394- 978-191-C K1DG 1,042,152- 1384-251-C AK1A 560,394- 978-191-C K1DG 1,042,152- 1384-251-C AK1A 560,394- 978-191-C K1DR 1,042,152- 1384-251-C AK1A 560,394- 1384-260-C AK1A 560,394- 1384-260-C AK1A 560,394- 1384-260-C AK1A 560,3	WB2UBU K3JGJ K2HPV Western N W2TZ W2FXA W2FTY W2FR K42AJT KW2J WØVU/2 WA2AOG KA2WIK KM2L NA2O WB2DVU W2FUI W2OMV KK2B WB2ABD K2KIR NG2X KA2CIW 3 Delaware AA1K W3XU W3NX Eastern Pe W3BGN K3WW W3UM W3OV K3IPK WB3CAC K3WV KW3F W3GK W3ARK K3WV W3GK W3ARK KC3M W3GK KC3M W3GK KC3M W3AM W3OK KAYAN W3OV KW3F W3GK W3ARK KC3M W3GK W3ARK KC3M W3GK W3ARK KC3M W3GK W3ARK KC3M W2F W2FT W2FT W2FT W2FT W2FT W2FT W2FT	3,078- 38- 27- B 2,205- 35- 21- B 21,294- 35- 21- B 21,294- 169- 42- C- 20 2,940- 49- 20- B- 20 89- 89- 89- 89- 89- 89- 89- 89- 89- 89-
PASDWA SM6DHU SK4EA (SM6C SK3AH (SM3C SM3DMP SM7TV SM7FHJ SM7FHJ SM6BDS SP6DVP SP9KAO SP7PGK SP5ALV SP8HMK SP5PSL SP6JZG SP6JZG SP6JZG SP6JZG SP6JZG UW6MA UA4CO UB5WE RB5DX UB5IFN UB4CO UB5WE RB5DX UB5IFN UB4CO UC2AA RO4OA UP3BH UP2BO UC1GWW UR1RWX Y44UIA Y52WG Y42LK Y22EK Y25HL Y38EV Y38ED Y24XJ	1,218	ZL1AAS 37,008 257- South America CE3BFZ 2,720,340 3570- 3622 246,508 767- CE4FXY 202,725 1325- CE3CYM 76,683 482- CX8CG 43,194 313- CX2AAL 239,064 1423- KC1HC 434,652 2498- HC1OT 485,469 2839- HK3MAE 313,785 1835- HK3JMAE 313,785 1835- HK3JMAE 313,785 1835- HK3JMAE 133,800 892- LU4LAV 966,240 830- LU4LAV 966,240 830- LU4LFD 506,907 1119- LU4D 62,646 394- LU1FLY 176,904 1053- LU2E (LU8DPM, op) 386,568- 2184- KSKG/LU 378,252 2212- LUBESU 69,174 427- LU1E (LU3AJW, op) LU2E (LU3AJW, op) 231,348- 1483- LU5UL 231,348- 1483- LU5UL 16,533- 167- OA4SS 1,421,550 2430- OA4ZV 92,400 616- PBZAT 438,150 1270- PTZTF 282,576 812- PTZTD 53,952 281- PY1U 75,816 486- PPZTT 259,952 281- PY1U 75,816 486- PY4OY 26,199 213- PY5IW 509,544 3033- ZY1OL 25,461- 207- CMMAA 3,131,208 3768- ZY1NEZ 186,732 1197- YX3A 86,142- 293- YV2NY 70,560 280	- 48- C - 80 -254- C - 108- B - 51- C - 15- 53- C - 15- 54- B - 15- 57- C - 15- 64- B - 15- 176- C - 151- C - 1	2,294,802- 3174-241- C KL7CQ (+ KL7PU) 128,865- 781- 55- C NP4CC (+ KP4BZ, MP4Z, WP4K) 18,865- 781- 55- C NP4CC (+ KP4BZ, MP4Z, WP4K) 18,863- 131- C TIØRC (TI2s CC,IY,KD,OZ,QL,US,TI4SU, ops) 411,840- 858-160- B VP2MU (AA4s GA,NC,WB6SHD, ops) 6,421,869- 7407-289- C XEZEBE (AA6DP, KIGEZ,NGBT, W7MAP, ops) 4,045,734- 4851-276- B XE2JVR (+ K5FD,NV5S, XE2sJVQ,JVS) 2,379,195- 3237-245- B DX6HT (DU9s AA,AF/9,BW,CC,CV,DQ, ops) 27,993- 301- 31- C N1EE/KH6 (+ K1PR) 835,029- 1521-183- C South America LU1VZ (LU1s VD,VDJ,VK,VJR,LU3DXL, LU7VCA, ops), 850,904- 2706-228- C LU6AA (LU1ANG, LU2AAP,LU7DEE, W1CBN, ops) 206,872- 1262-152- C PJ9J (W1s BIH,WEF, ops) 6,675,840- 6954-320- C PJ9B (K2NG,KR2W, ops) 4,893,660- 5262-310- C TWO Transmitter Asia JA1YWX (JJ1HJR,JM1s CAX,MCF, JO1BMT,J2CQUT,JJ2DIM,JN3PYQ,JR4 NIV,JH5DXO,JA6-9339,JH7PKU, ops) 705,750- 1882-125- C JAYYFB (JN1RON,JO1NBV,JE7S- JWB, MOY,JF7S- AAD, GOK,LEI,TDN,JR7s GYC,JLU,OEF,RLB,WFH,JHBONT, JR0NUZ, ops) 611,433- 1657-123- C JAYYAA (JN1YNY,JE3DDM,JGS)HW, JHS MPP, JAYAAA (JN1YNY,JE3DDM,JGS)HW, JHS MPP, JAYAYAA (JN1YNY,JE3DDM,JGS)HW, JHS MPP, JAYYAA (JN1YNY,JE3DDM,JGS)HW, JHS MPP, JAYYAA (JN1YNY,JE3DDM,JGS)HW,JHS MPP, JAYAYA (JN1YNY,JE3DBM,JBS)HW,JHS MPP, JRW, ops) 423,578- 1332-100- C	W1FJ S01 390	WB2UBU K3JGJ K2HPV Western N W2TZ W2FXA W2FTY W2FR K42AJT KW2J W9VU/2 WA2AOG KA2WIK KM2L NA2O WB2DVU W2FUI W2OMV KK2B WB2ABD K2KIR NG2X KA2CIW 3 Delaware AA1K W3XU W3NX Eastern Pe W3BGN K3WW W3UM W3OV K3IPK W3GK W3ARK K03K W3ARK K03M K3IF K03K W3ARK K03M K3IF W3GK W3ARK K03M K3IF W6CO/3	3,078- 38- 27- B 2,205- 35- 21- B 21,294- 35- 21- B 21,294- 169- 42- C- 20 2,940- 8- 20- 8- 20 89 York 371,742- 742-167- B 95,676- 268-119- C 74,088- 252- 98- B 66,246- 181-122- C 44,571- 179- 83- B 42,861- 157- 91- B 38,888- 164- 79- C 38,823- 317- 93- C 35,697- 163- 73- B 32,376- 152- 71- B 24,192- 112- 72- B 19,392- 101- 64- B 15,660- 116- 45- C 6,510- 62- 35- B 3,567- 41- 29- B 10,944- 96- 38- C- 80 112,890- 530- 71- C- 20 3,744- 52- 24- B- 20 1,352,295- 1701-265- C 414,788- 947-146- C 288,225- 525-183- C 81,356,368- 1692-258- C 1,259,250- 1679-250- C 288,225- 525-183- C 288,225- 1701-265- C 411,398- 804-183- C 424,209- 895-158- C 339,591- 373-123- C 133,762- 414-166- C 137,637- 373-123- C 118,338- 326-121- C 106,848- 336-106- B 42,402- 191- 74- C 38,250- 150- 85- C
PASDWA SM6DHU SK4EA (SM0C SK3AH (SM3C SM3DMP SM7TV SM7H-CW SM7FHJ SM6BDS SP6DVP SP8KAO SP7PGK SP5ALV SP8HJ SP6JZG	1,218	ZL1AAS 37,008 257- South America CE3BFZ 2,720,340 3570- 3622 248,508 767- CE4FXY 202,725 1325- CE3CYM 76,638 482- CX8CG 43,194 313- CX2AAL 239,064 1423- HC1HC 434,652 2498- HC1HC 434,652 2498- HC1HC 485,469 2839- HK3MAE 313,785 1835- HK3JJH 224,694 1314- HK1KWN 202,338 1249- HK3KMZ 133,800 892- LU4LAV 966,240 1830- LU2FFD 506,907 1119- LU4DPM, op) 386,558 2184- LU4LLY 176,904 1053- LU2F (LUBDPM, op) 386,558 2184- LU4LU 961,744 427- LU1E (LU3AJW, op) 231,348 1483- LU5UL 94,374 642- LU1UAI 16,533 167- OA4SS 1,421,550 2430- OA4SV 92,400 616- PPBZAT 438,150 1270- PPBZAT 438,150 1270- PPBZAT 438,150 1270- PPSZAT 438,150 1270- PYSZAT 458-	- 48- C - 80 -254- C - 108- B - 51- C - 15- 53- C - 15- 54- B - 15- 54- B - 15- 54- B - 15- 15- 65- C - 20 - 57- B - 15- 54- B - 10- 13- B	2,294,802- 3174-241- C KL7CQ (+KL7PU) 128,865- 781- 55- C NP4CC (+KP4BZ,NP4Z,WP4K) 16,863,148- 7356-311- C TIØRC (TI2s CC,IY,KD,OZ,QL,US,TI4SU,ops) 411,840- 858-160- B VP2MU (AA4s GA,NC,WB6SHD,ops) 6,421,869- 7407-289- C XE2EBE (AA6DP,KI6EZ,NGBT,W7MAP,ops) 4,045,734- 4851-278- B XEZJYR (+K5FD,NVSS,XE2S,IVQ,JVS) 2,379,195- 3237-245- B Oceania DX6HT (DU9s AA,AF/9,BW,CC,CV,DQ,ops) 27,993- 301- 31- C N1EE/KH6 (+K1PR) 835,029- 1521-183- C South America LU1VZ (LU1s VD,VDJ,VK,VJR,LU3DXL,LU7VCA,ops),809.04- 2706-228- C LU6AA (LU1ANG,LU2AAP,LU7DEE,W1CBN,ops) 2,675,840-6954-320- C PJ9J (W1s BH,WEF,ops) 6,675,840-6954-320- C PJ9B (K2NG,KR2W,ops) 4,893,660- 5262-310- C TWO Transmitter Asia JA1YWX (JJ1HJR,JM1s CAX,MCF,JO1BMT,JI2GUT,JJ2DIM,JNSPYQ,JR4 NIV,JH5DXO,JA6-9339,JH7PKU,ops) 705,750- 1882-125- C JA7YFB (JN1RON,JG1NSVJE7S,JWB,MOY,JF7S AAD,GQK,LEI,TDN,JR7S GYC,JLU,OEF,FILB,WFH,JHBONT,JR9NUZ,ops) 611,433- 1657-123- C JA7YAA (JN1VYN,JE3DDT,JG3JRM,JE7S	W1FJ S01/930- 845-198-C KA1DWX 290,928- 551-178-C AI3E 183,600- 408-150-C K1CGJ 72,765- 231-105-A W1GH 65,199- 211-103-C K1CLN 40,848- 148- 92-C K1CLN 24,339- 133- 61-B W1DC 13,677- 97- 47-B W1BU 6,160- 68- 40-C K1CLN 24,339- 133- 61-B W1DC 3,744- 52- 24-B W1PJ 1,302- 31- 14-B W1PJ 1,302- 31- 14-B W1PJ 1,502- 31- 14-B W1PJ 1,505- 728- 69-C -80 K1VUT 5,325- 71- 25-C -40 Maine N1AFC 52,437- 227- 77-A New Hampshire KM1H (KQ2M, op) 1,763,715- 1915-307-C K1AR 1,399,398- 1631-286-C K1AR 1,404-151- C K1AR 560,394- 978-191-C K1AR 560,394- 978-191-C K1DG 1,042,152- 1384-251-C AK1A 560,394- 978-191-C K1DG 1,042,152- 1384-251-C AK1A 560,394- 978-191-C K1DR 1,042,152- 1384-251-C AK1A 560,394- 1384-260-C AK1A 560,394- 1384-260-C AK1A 560,394- 1384-260-C AK1A 560,3	WB2UBU K3JGJ K2HPV Western N W2TZ W2FXA W2FTY W2FR K42AJT KW2J W9VUJ2 WA2AOG KA2WIK KM2L M42OW W2FUJ W2FUJ W2OMV KK2B W2ABD K2KIR NG2X KA2CIW 3 Delaware AA1K W3XU W3NX Eastern Pe W3BGN K3WW W3UM W3OV K3JFK WB3CAC K3WJV W3KV KW3F W3GK W3ARK KC3M K3IE M6COJ3 W3QIR K3TX	3,078- 38- 27- B 2,205- 35- 21- B 21,294- 169- 42- C- 20 2,940- 49- 20- B- 20 ew York 371,742- 742-167- B 95,676- 268-119- C 74,088- 252- 98- B 66,246- 181-122- C 44,571- 179- 83- B 42,861- 157- 91- B 38,888- 164- 79- C 38,823- 317- 93- C 35,697- 163- 73- B 32,376- 152- 71- B 24,192- 112- 72- B 19,392- 101- 64- B 15,690- 116- 45- C 6,510- 62- 35- B 3,567- 41- 29- B 10,944- 96- 38- C- 80 112,890- 530- 71- C- 20 3,744- 52- 24- B- 20 1,352,295- 1701-265- C 414,786- 947-146- C 288,225- 525- 183- C 288,225- 525- 183- C 288,225- 1701-265- C 441,396- 804-183- C 441,396- 804-183- C 424,200- 985- 158- C 339,591- 327,204- 596- 183- C 193,752- 414- 156- C 137,637- 373- 123- C 118,338- 326- 121- C 108,848- 336- 106- B 42,402- 191- 74- C 39,270- 187- 7- C 38,250- 150- 85- C 36,408- 148- 82- C 22,848- 112- 68- C
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PASDWA SM6DHU SK4EA (SM0C SK3AH (SM3C SM3DMP SM7TV SM7H-CW SM7FHJ SM6BDS SP6DVP SP8KAO SP7PGK SP5ALV SP8HJ SP6JZG	1,218	ZL1AAS 37,008 257- South America CE3BFZ 2,720,340 3570- 3622 246,508 767- CE4FXY 202,725 1325- CE3CYM 76,638 482- CX8CG 43,194 313- CX2AAL 239,064 1423- KC1HC 434,652 2498- HC1OT 485,469 2839- HK3MAE 313,785 1835- HK3MAE 313,785 1835- HK3MAE 133,800 892- LU4LAV 966,240 1830- LU2FFD 506,907 1119- LU4D 62,646 394- LU1FLY 176,904 1053- LU2E (LUBDPM, op) 386,568 2184- K5KG/LU 378,252 2212- LUBESU 69,174 427- LU1E (LU3AJW, op) LU2E (LU3AJW, op) 231,348 1483- LU5UL 94,374 642- LU1UAI 16,533 167- OA4SS 1,421,550 2430- OA4ZV 92,400 616- PP8ZAT 438,150 1270- PT2TF 282,576 812- LU1UAI 75,816 486- PY4OY 26,199 213- PY5IW 509,544 3033- ZY1OL 25,461 207- PY6WT 4,830 70- 4M4A 3,131,208 3768- YX5D 744,576 1108- XY5D 744,576 1108- ZY1NEZ 186,732 1197- XX3A 86,142 293- YV3BKC 66,096 432- YV4AA 364,008 2092-	- 48- C - 80 -254- C - 108- B - 51- C - 15- 53- C - 15- 54- B - 15- 54- C - 151- C - 20- 115- C - 20- 115- C - 20- 20- 20- 20- 20- 20- 20- 20- 20- 2	2,294,802- 3174-241- C KL7CQ (+KL7PU) 128,865- 781- 55- C NP4CC (+KP4BZ,NP4Z,WP4K) 118,865- 781- 55- C NP4CC (+KP4BZ,NP4Z,WP4K) 118,865- 781- 55- C NP4CC (+KP4BZ,NP4Z,WP4K) 118,865- 781- 55- C NP4CC (-KP4BZ,NP4Z,WP4K) 118,865- 780- 28- C 118,865- 780- 28- C NP2EBE (AA6DP,KIGEZ,NBET,W7MAP, 0,99) 4,045,734- 4851-276- B NE2JVR (+KSFD,NV5S,NE2S,JVQ,JVS) 2,379,195- 3237-245- B NE2JVR (+KSFD,NV5S,NE2S,JVQ,JVS) 2,379,195- 3237-245- B NEHE/KH6 (+KIPS,NP5S,NE2S,JVQ,JVS) 27,993- 301- 31- C N1EE/KH6 (+KIPS,NPSS,NE2S,JVQ,JVS) 28,360- 1521-183- C South America LU1VZ (LU1s VD,VDJ,VK,VJR,LU3DXL, LU7VCA, 098) 869,04-2706-228- C LU6AA (LU1ANG,LU2AAP,LU7DE, W1CBN, 098) 206,872- 1262-152- C PJ39 (W18 BH,WEF, 098) 6,675,840-6954-320- C PJ39 (W2	W1FJ S01 930- 845-198- C	WBZUBU K3JGJ K2HPV Western N W2TZ W2FXA W2FTY W2FR KA2AJT KW2J W6VU/2 WA2AOG KA2WIK KM2L NA2O WBZDVU W2FUI W2OMV K42B W6ZABD K2KIR NGZX KA2CIW 3 Delaware AA1K W3XU W3NX Eastern Pc W3BGN K3WW W3UM W3OV K3IPK W3AKV KW3F W3GK W3ARK KC3M K3IE N6CO/3 W3CIR K3TX N3HW W3OIR K3TX N3HW W3OIR K3TX N3HW	3,078- 38- 27- B 2,205- 35- 21- B 21,294- 35- 21- B 21,294- 169- 42- C- 20 2,940- 49- 20- B- 20 ew York 371,742- 742-167- B 95,676- 268-119- C 74,088- 282- 98- B 66,246- 181-122- C 44,571- 179- 83- B 42,861- 157- 91- B 38,868- 164- 79- C 38,223- 137- 93- C 35,697- 163- 73- B 32,376- 152- 71- B 24,192- 112- 72- B 19,392- 101- 64- B 15,660- 162- 35- B 3,567- 41- 29- B 10,944- 96- 38- C- 90 112,890- 530- 71- C- 20 3,744- 52- 24- B- 20 1,352,295- 1701-265- C 414,786- 947-146- C 288,225- 525-183- C 288,225- 525-183- C 288,225- 525-183- C 288,225- 525-183- C 288,225- 395- 158- C 339,591- 721-157- C 327,204- 596- 183- C 137,637- 373-123- C 118,338- 326- 121- C 38,250- 150- 85- C 38,260- 148- 82- C 38,250- 150- 85- C 38,260- 191- 721- 157- C 327,204- 596- 183- C 137,637- 373-123- C 118,383- 326- 121- C 38,250- 150- 85- C 38,480- 148- 82- C 22,848- 112- 68- C 16,875- 125- 45- C



Ron, SM0BTS, looking for multipliers in the contest.



George, K5KG in LU land, won seventh place on CW.



Paco, EA7XC, takes a break from his CW operation to pose for a photo.

contest.					place (on Cvv.				ope	ration	to po	ose for a p	iiiii.	
			200 1/2 14												
K3ZLK K3ND	4,608- 4,563-	48- 32-B 39- 39-C	South Carol		1100.050.0	N4QS KA5W		381-120-B 376-116-C	KD6PY N6AN	58,032- 54,288-	248- 78 232- 78		W7YF K7LXC		177- 33-B 122- 44-C
KC3Q	4,320-	48- 30-C	W3VT W6OKX/4		1182-256-C 238-119-C	N5UA	102,708-	317-108-C	NS6V	47,817-	253- 63	-C	W7KT	13,932-	129- 36-C
K3YD W1BET	2,736- 2,415-	38- 24- A 35- 23- C	W2FCC	7,866-	69- 38-C	K5RX W5MW		212- 99-C 211- 92-C	WA6TKT W6PLJ	10,890-	136- 74 121- 30		W7QN K7SS	13,320- 9,435-	120- 37-C 85- 37-A
WA3NNA N3CZB	3,354- 3,888-	43- 26-B -40 54- 24-B -20	Southern Fl		44 40 4	WA9FWO K5KJ	13,617- 9,720-	89- 51-A 81- 40-B	W6SZN KV6H	10,080-			KA7PDM KJ7X	4,794- 3,843-	94- 17-B 61- 21-C
Maryland-DC		04	NØDH WD4AHZ		723-201-B 354-141-B	NG5A	1,584-	24- 22-B	K6KM	1,860-	31- 20)- B	K7UR	5,616-	78- 24-C -80
		1520-231-C	W4YN	74,250-	225-110-C	K5RR (WD5K, o		295- 55-C -40	W6MZQ KD6XY	1,377- 1,083-			W7DRA N7TT	567- 82,008-	21- 9-C -80 408- 67-C -20
K3ZZ	552,972-	908-203-C	WD4JNS K5OTI/4	44,589- 26,487-		WQ5W NX5H		115- 42-B -40 90- 35-C -40	KG6AM	270-	10- 9	- C	W7VIH	270-	18- 5-B -20
W3USS (W9LT	548,046-	918-199-C	WD4JNS K8UNP	19,008- 7,920-	99- 64-B 55- 48-C	W5FO	151,164-	663- 76-C -20	W6ATO	9,396-	108- 29	-6 -20	KE7C W7LVI	12,519- 6,873-	107- 39-B -15. 79- 29-C -15
W3UJ W3AZ	305,472- 240,624-	688-148-C 557-144-C	W2SDB/4	2,448-	34- 24-C	W5BOS NI5M	69,810-	358- 65-C -20 193- 54-B -20	San Diego K6NA	661 365-	1035-213	-C	Wyoming		
K3AV	87,009-	299- 97-C	N4IN W4OO	4,608- 16,236-	48- 32-C-160 132- 41-C -40	K9LA/5	3,060-	51- 20-C -10	KW6O	54,900-	244- 75	- A	NS7Z	2,379-	61- 13-C -40
KZ3B W3GN	66,000-	215-103-C 200-110-C	K4JRF K1ZX	4,452- 65,700-	53- 28-C -40 300- 73-C -15	Oklahoma			AA6EE K6MC	28,764- 20,475-			8		
K3SA K3NS	42,240- 26,880-	176- 80-B 128- 70-B	WB4TDH		211- 67-C -15	N5OK	44,388-	137-108-C	N6ADK W6ZT	252- 19,257-			Michigan		
W3TFA	9,792-	68- 48-B	Tennessee			South Texas		can no a	N6ND		317- 46		W8UA K8CC		1191-217- C 840-217- C
WA3VPL N3RR	714- 106,398-	17- 14-C -40 514- 69-C -20	W4XJ N4IR	691,020-	1047-220-C 710-116-C	K5DB N5JJ	67,404-	299-103-C 274- 82-C	San Francis	co			W8VSK	81,753-	229-119-A
W3HXI W3TUX	49,950- 2,544-	370- 45-C -20 53- 16-B -20	K4OAQ	103,887-	291-119-B	N5HB W5KCR	34,410-	155- 74-B	W6JTI W6WB		562-134 295-116		N8CXX W8TJQ		268-101-B 173- 78-B
WASEEE	1,482-	26- 19-C -15	KZ3Z W5RUH	30,375- 7,686-	135- 75-B 61- 42-B	N5DEE	22,725-	101- 75-C	K6ZUR	64,206-	261- 82	-C	AC8W K8CV	36,738-	157- 78-A
Western Per	nnsylvan	ia	NU4B N4TG	6,840-	60- 38-A 84- 38-C -15	W5HRF N5IVF	18,315- 81,180-	111- 55-B 492- 55-C -20	K6ANP N6OJ	42,660- 26,052-			N8CQA	25,047-	130- 67-C 121- 69-A
K3TUP (KRØY,	op)	1407 004 0		9,576-	64- 36-C -15	W5VX	78,192-	362- 72-C -15	WW6D	1,554-	37- 14	-C	W8JRK K8DD		135- 55-B 110- 56-A
K3LR 1	1,067,469-	1427-294- C 1313-271- C	Virginia N4HB	155.628-	396-131-C	W5AC (WQ5C,		187- 48-C -15	W6BIP	9,207-	93- 33	S-C -80	W8FEM	15,834-	91- 58-C
W3HDR W3FGS	20,904- 3,654-	104- 67-C 42- 29-B	W4YE	146,688-	382-128-C	West Texas			San Joaquir W6REC		383-115	- C	W8URM NR8Y	15,582- 11,322-	98- 53-B 74- 51-B
KA3HGR	396-	12- 11-B	N4RA K4OD	71,688- 65,751-	232-103-C 217-101-C	KD5IA		161- 39-C -40	KA6BIM	40,194-	154- 87	-C	WASIGG WSTWA	8,742- 70,494-	62- 47- B 379- 62- C -20
K3UA AD8J/3	2,652- 65,340-	34- 26-C-160 396- 55-C -20	WA4WKY N3OS		205-101-B 213- 94-C	WF5E WB5UDX		427- 75-C -20 155- 38-C -15	W6BYH		128- 66	j- C	K8QWG	3,630-	55- 22-B -20
4			W4XD	56,856-	184-103-C	W5VLX	2,160-	40- 18-C -10	Sacramento K6DR		399-121		W8CUP	3-	1- 1-A -15
Alabama			K4JM K4BAM	51,273- 49,296-		6			W6NKR	52,008-	197- 88	-C	Ohio W8RSW	040.004	673-119-C
KR4F		453-163-C	WB4BVY K4FPF	48,636-	193- 84-C 184- 82-B	East Bay			N6JM N6GG		184- 86 527- 80		KR8Y	163,170-	370-147-B
WB4AKE WZ4F		191- 95-C 132- 71-C	N4MM	38,220-	140- 91-C	K6ATV WE6G		290-100-B 194- 53-C	7				K9ALP K3JT		360-140-B 341-138-C
K4MG K5RY	27,675- 741-	123- 75-C 19- 13-B -15	N3JT KA4RLJ	27,186- 22,326-	197- 46-C 122- 61-B	K6CSL	13,530-	110- 41-B	Arizona				N8BC	118,287-	337-117-C
N4JF	1,350-	25- 18-B -10	W4VC K6ETM/4	18,816-	112- 56-B 100- 59-C	WB6FDQ W6BSY	11,169- 24,804-	73- 51-C 156- 53-C -20	WA7WOC		261-119		K8MNG W8IQ	42,612-	195- 81-C 212- 67-A
Georgia			WU4G	8,040-	67- 40-B	Los Angeles			NG7S W7YU		213- 82 154- 91		W8NPF K8MR		157- 84-C 138- 79-C
WX4G 1 K4BAI		1459-266- C 685-201- C	W4KMS N4ZR	4,200- 2,622-	50- 28-C 38- 23-C	W6AE		571-135-C	WB8GUC	2,400-	40- 20	-C	W8YGR	30,810-	130- 79-B
KX4R	163,620-	404-135-C	KJ4TK N4XD	900-	20- 15-B 71- 34-C -40	N6IC N6DKP		371-126-C	W7LVU WA7NWL	243- 45-)- B 3- A	W8UPH W8GOC	30,318- 26,334-	163- 62-C 133- 66-B
W1UA W4DXI		213-125-C 212-111-C	N4MO	107,334-	534- 67-C -20	K6EID ND6G	113,904-	339-112-C 278-108-C	K7SP W7AYY	231- 8,112-		-C-160	N8FU K8EF	26,070- 6,912-	158- 55-B 48- 48-B
N8LM	65,562-	223- 98-B	K4RDU	462-	14- 11-C -10	N6VI	85,554-	291- 98-C	WA7KLK	2,760-	46- 20	-C -40	W8DWP	3,534-	38- 31-C
W8ZF/4 W8CNL	62,988- 19,251-	181-116-C 93- 69-B	5			W6ET Al6Z		249- 94-C 205- 80-C	WB7FDQ	2,520-	40- 21	-C -10	KV8Q WD8LLD	8,505- 191,241-	81- 35-C -80 787- 81-C -20
KB4GID K4PI/M	17,751- 2,916-	97- 61- A 36- 27- B	Arkansas			W6ABW W6NNV		211- 74-C 172- 84-B	Idaho N7HJM	107 520	320-112	. D	WD8AUB N8EKS	15,141- 147-	103- 49-C -15 7- 7-B -15
K4TEA	8,760-	73- 40-C-160	K5FUV W5EIJ	7,548- 7,128-	68- 37-C 66- 36-C	N6AA	32,436-	159- 68-C	K6RN	57,240-	212- 90	-C	WB8JBM (KW8	N, op)	
WU4E WN4KKN	6,264- 180,810-	58- 36-B -80 735- 82-C -40	Louisiana			N6AW N6IBP	22,770-	259- 39-C 138- 55-B	KA7T	6,780-	113- 20	-C -80		1,488-	31- 16-C -10
W4JFL N4NX	15,990- 13,158-	130- 41-B -20 102- 43-C -20	NT5G		266-124-B	W6OES W6MFC	17,568- 17,010-		Montana KS7T	00 702	336- 99		West Virgini W8TN	a 3,480-	40- 29-C
W9KTB/4	2,091-	41- 17-B -20	W5OB WC5D	61,776- 61,200-	208- 99-C 200-102-B	K6EV	12,936-	77- 56-C	W7KZK	41,118-	178- 77	-B	9	0,400	40- 25-0
N4VZ	43,680-	208- 70-C -15	N5GPP NO5W	8,256- 1,020-	64- 43-B 20- 17-A	K6RQ KG6O	10,836- 8,991-	84- 43-C 111- 27-B	K7ABV W6ALQ	2,508-			Illinois		
Kentucky N4XM	255 786	479-178-C	Mississippi	1,020-	20- 17-A	NK6A KB5AS/6	8,874- 4,620-	87- 34-C 70- 22-B	Nevada				KC9T	308.826-	602-171-C
N1WR/4	48,024-	184- 87-B	K5MK	198,768-	404-164-C	KK6P	3,663-	37- 33-C	WA7UTM	91,800-	340- 90	-C	K9UIY W9EEB	157,950-	390-135-B 158- 87-C
WB4FOT K4FU		122- 63-C 229- 63-C -40	K5SVR W5UO	93,225-	275-113-C	K1EQA K6ICS	864- 540-	24- 12-A 15- 12-B	Oregon				N9TI		118- 49-C
North Caroli			New Mexico		188- 97-B	K6DDO	1,260- 95,178-	28- 15-C-160	K5MM/7		849-169		K9PPW W9DQV	12,450- 8,946-	83- 50-B 71- 42-B
K4PB	147,396-	346-142-C	KI3L		571-118-C	NE6I K5KT/6	3,105-	45- 23-C -40	W7YAQ WA7HHX		405-119 245- 79		K9EIJ	7,560-	60- 42- A
NN4Q K4JO		287-131- A 206- 98- C	N5EPA	64,428-	236- 91-C	W8AKS/6	594-	18- 11-C -10	KA7FEF W7GUR	13,566- 7,821-	119- 38 79- 33		W9REC WA9YYY	6,960- 5,346-	58- 40-B 54- 33-B
KA3PDG	21,840-	130- 56-C	NC5O W5UR	61,758- 36,408-	219- 94-B 148- 82-C	Orange	04 500		W7EJ	170,718-	769- 74	-C -40	KG9Z WB9TBU	3,564- 2,700-	36- 33-C 36- 25-A
N4SU N4ZC	4,500- 112,860-	50- 30-C-160 570- 66-C -80	W7LHO K7UP	14,841-	97- 51-C	W6BA WJ6C		236- 87-C 193- 65-C	W7ZN KS7P	2,160- 6,216-	30- 24 74- 28		KE9U	5,952-	62- 32-C -80
Northern Flo	orida		W5TTE	4,104-	57- 24-A	W6SX K6VI	1,683-	51- 11-C 223- 60-B -20	Utah	.,			K9KM K9QVB	4,284- 173,376-	51- 28- C -80 672- 86- C -20
W4WKQ	46,656-	162- 96-C	W5SUV W5TVX	48- 2,610-	8- 2-B 58- 15-B -20	Santa Barba		LZU- 00-D -20	W7HS		274- 93		K9BG KD9FZ		179- 54-B -20 24- 16-B -20
WD4IIO NV4Y		126- 93-B 105- 63-C	North Texas			WA6FGV		282- 96-C	KE7NS KE7QA	8,910- 3,564-			Indiana	1,152-	24- 10-D -20
W4RVU	17,820-	90- 66-B	N5RZ 1	,272,414-	1483-286-C	W6UJX	43,818-	218- 67-C	Washington		00- 10	. 0 -20	W9RE	975,360-	1280-254-C
W4VQ K4XS		93- 37- C -80 810- 80- C -40	N5AW N5RM		508-207-B 530-182-C	K6JG N6VR		100- 60- C 84- 32- C -40	NN7L		1068-157	'-C	W9SU	435,480-	760-191-C
WC4E KD1U	104,652- 1,782-	513- 68-C -20 33- 18-B -10	WM5K	261,405-	555-157-C	Santa Clara	Valley		W7IIT W7IEU	56,088-	246- 76 162- 54	-C	W9KTP W9PC	60,291-	242-100-C 203- 99-C
W4DRK	189-	9- 7-C -10	N5JB K5LP	189,144-	531-152-C 444-142-C	N6NF	63,420-	302- 70-B	N7HUS	21,330-	158- 45	- B	K9DFK K9JS	15,792- 5,928-	94- 56- C 52- 38- C
						toher	108	7 OST	$\bigcirc \Delta F$	ISS				0,020	J. 30 0

AD7U KJ9D		4,725-	45- 35- A 670- 81- C -20		- 232- 93-B - 109- 69-C	NØCKC (+KH		159- 74-B	JA2FJP JA7HMZ	1,056-	32- 11-C -80 566- 49-B -40	EI4DW EI3DP	41,175- 600-	225- 61-B 20- 10-B -15
K9V0	2K	4,116- 7,884-	49- 28-C -20 73- 36-C -15	VE3TEE 1,836 VE3INQ 1,596	- 34- 18-B	VE	00,200	100 74 5	JA9NFO JAØUMV	82,767- 46,092-	587- 47-C -40	F6HDI		706- 85-B
	consin	7,004-	75- 30-0 -15	VE3CUI 4,620	- 55- 28-C -80	VE3IY (+VE3		E00 105 C	JJ1GXY	42,966-	341- 42-B -40	F6EPQ F6HWU	62,208-39,204-	288- 72-C 198- 66-B
K9C/	AN		532-173-C	VE3NXQ 23,532 VE3AEJ/3 324	- 148- 53-B -20 - 12- 9-C -10	VESRCS (+V	E3PFC)	588-185-C	JA1JKG JAØYAK (JHØUS	D, op)		F9QE F6IJA	25,920-	180- 48-B 138- 57-C
W9O W9N			388-121-C 164- 73-C	British Columbia			3,960-	60- 22-C	JA7UMT	26,250- 21,177-	250- 35-C -40 181- 39-C -40	FD1JTL	20,043-	131- 51-B
NI9C NG9I	Y .	15,834-	91- 58-B		- 419-119-C	Two Tra	nsmitte	er	JR3BOT JA3YDS	19,530- 12,537-	210- 31-C -40 199- 21-B -40	F8TM FD1LBG	6,039- 396-	61- 33-B 12- 11-B
N9EZ		10,962- 2,244-	87- 42-B 34- 22-B	VE7BS 684	- 19- 12-C-160	NR5M (+ K2T KN5H,NM5M			JE3ZFS JA1NYV	8,037- 1,716-	141- 19-B -40 44- 13-B -40	FF6LCT (F6HL		168- 33-B -80
KJ9I N4TZ	2	1,680- 35,880-	28- 20-C-160 184- 65-C -40	Multioperator	later		2,598,114-	2503-346-C	JG2LGM	888-	37- 8-B -40	F6EPO	13,050-	150- 29-B -80
N9AV W9G	N	75,636-	382- 66- C -20 293- 71- C -20	Single Transm	itter	N3RG (+N2A K2TW,K3JLT)		JA7KM JA7FFN	744- 420-	31- 8-B -40 20- 7-B -40	F6ARC F6HLB		635- 47-C -40 178- 34-B -20
W9W	/AQ	34,965-	185- 63-C -20	1 K1YR (+K1RX)		N3RS (+KQ3		2600-330-C 3M,N3RD)	JA2SAP/1 JK1NSR	84- 72-	7- 4-B -40 6- 4-B -40	F6EQV F3AT	8,280- 6,237-	92- 30-B -20 77- 27-B -20
N9BI W9Y		2,610- 714-	30- 29-C -20 17- 14-B -20	1,431,102	- 1741-274-C	K2TR (+ K2s		2401-352-C SPL,WB2KMY)	JS1PXE JA3YCK (JH4RH	12-	2- 2- A -40	F5AM FD1LBD	1,728-	36- 16-B -20 30- 12-B -20
Ø					- 1512-249-C		2,191,140-	2220-329-C		122,595-	743- 55-C -20	G3FXB		1951-167-B
Cold	orado			KM1C (+ KB1T,KM1P,W 1.067.154	1PH,WB8BTH) - 1406-253-C	KS8S (+ NZ4F KA8PLH,KN8	S)		JA3YBF (JG3LZ	G, op)	729- 56-C -20	G4CNY	757,809-	1651-153-B
K4XL			443-161-C	W1PH (+KM1P)	- 624-188-C	K4VX/Ø (+ AH	2U,N4CC,K	1743-328-C 9s BGL,FU,LJN,	JA7YCQ (JA7-30	121,128- 0336, op)	721- 56-C -20	G2QT G3ESF	74,880-	435-120-B 320- 78-B
WØKI KØZX		201,117- 199,065-		W1RR (+NET)		KM9P,WBØIL) 1770-314-C		112,689- 89,232-	659- 57- C -20 572- 52- C -20	G3APN G6QQ		302- 76-B 104- 39-B
KØU! KJØG			583-101-C 384-108-C	W1AW (AH2W,N1CIX,N		N6RO (K3EST W6SZN, ops	,N6BT,K6T	MB,WA6VEF,	JA2IVK	82,908-	564- 49-C -20	G3ILO G3SJX	11,700- 5,481-	100- 39-B 63- 29-B
WØG KIØJ			189- 79-C 183- 56-B	WB1FTH, ops) 226,560 W1OP (+KA1KWE,N1AI		K1RQ (+ KB1	KE,W,NB1	IY,NJ1F,	JA1YFG (JO1RL	80,400-	536- 50-C -20	G3XWZ/A	6,930-	110- 21- A-160
NØFF		8,262-	81- 34-C	101,178 K1GW (+K1KA)100,602	- 462- 73-C - 486- 69-C	WA1ZAM) NQ4I (+WI4R	912,978-		JA8KSD JA7YRR (JH7MI	55,836- EX, op)	396- 47-C -20	G3TBK GM3LYY		161- 28-B -80 913-110-B
NØC! KEØK		7,752- 5,544-	76- 34- A .56- 33- C	NC1B (+KA1KPH)	- 286-100-C	WA8DXG (+ N BIN,RCN)	8DCJ,W8S 717,030-	CZN,JGU,WA8s 1285-186-C	JA1QXY	55,080- 49,800-	340- 54-C -20 332- 50-B -20	GM3RAO GM8SQ		563- 82-B 51- 22-B
NNØ! NQØL		1,386- 162-	33- 14-B 9- 6-B	NC1M (+K1FFX)79,650		KQ2O (+ K2B K1XM (+ KQ1			JA1KVT JH7XGN		297- 45-B -20 179- 36-B -20	GM4HQF	4,092-	62- 22- A -20
NØHF	RJ LF	18-	3- 2-B	KA1KPH (+NC1B) 43,065	- 145- 99-C	K6ZM (+ CE3/ AK6T,WZ6Z)	AQI,K4UVT,	KI6EZ,NB6L,	JR7CDL	17,226-	174- 33-B -20	GW3YDX 1 GW3JI		1892-186-B 304- 70-B
WØZ\ WØU	0	2,925- 9,660-	39- 25-C-160 92- 35-C -80	2		W3KWH (KA3	s KSD,PJS,	N3EQF,KS3I,	JM1AQU JH7CJM	3,744- 3,087-	78- 16-B -20 49- 21-B -20	HA1XR		1313-147-B
WØU.			637- 72-C -40 168- 43-C -40	KY2J (+ NA2N) 728,448 K2QMF (+ KA2UJH)	- 1084-224-C	KT3L, ops)	-	274-115-C	JA7EC JO1QZI	1,260- 972-	42- 10-B -20 27- 12-B -20	HA8KWG HA9RT		426- 90-B 376- 83-B
KØIYI KØRF		4,032-	48- 28- C -40 861- 93- C -20		648-144-C	Unlimite			JA2KPV JH2XTV	540- 18-	30- 6-B -20 3- 2-B -20	HA5LZ	47,880-	228- 70-B
WØY			611- 76-C -20	W2UI (+ N3KR) 197,448		W3LPL (+K1I K3s KU.RA.T),WB3JRU, 3Y,KT4W,NW5E,	JA9RPU JI3GAB/3		258- 25-B -15 92- 15-B -15	HAØHH HA6VV	26,607- 22,932-	181- 49-B 182- 42-B
lowa	a			3		W6AXX,N8II)	3,418,959-		JA6YCU (JE6UV	VK, op)		HA1SL HA8XX	17,784- 14,364-	156- 38-C 126- 38-B
WØW KFØH			774-193-C 677-184-C	N3AD (+NET)1,283,130 W3GG (+K3RT)	- 1614-265-C	GM,GU,WA3	IJZ)		JM1APN	3,636- 2,304-	101- 12-B -15 64- 12-B -15	HAØHG	5,214-	79- 22-B
KJØH	1	262,836-	588-149-C		- 1445-255-C	K300 (+K3s	NZ,ZUF)	1913-326-C	JM1LRQ JJ2FJM	2,124- 240-	59- 12-B -15 20- 4-B -15	HA3MB HA3MY	2,460- 43,440-	41- 20-B 362- 40-B -80
NØSN WØIZ			535-158-C 368-123-C	578,088	- 888-217-C	K4JPD (+W4I			JHØXUP JE1SLP	144-	16- 3-B -15 2- 1-B -10	HA9RE HA6NI	67,536- 9,630-	469- 48- C -40 107- 30- B -40
WØE.			296-113-C 248-109-B		- 1032-174-C		7,353-	57- 43-C	UWØLT	321,768-	984-109-B	HA5HO HA8RJ	101,088-99.057-	648- 52-C -20 623- 53-B -20
WØSI	R	76,320-	240-106-C	W3MA (+ KS3D) 413,424	- 783-176-C	DX CW	no alla e su		UWØCM UAØLJ	9,984-	104- 32-B 48- 12-B	HA9RG	86,940-	644- 45-B -20
WØV:	,	53,064-	204- 91-C 201- 88-C	K3UEI (+ NET) 404,550 KB3MM (+ N3ARK,WB3		Single O	perato	ľ	UAØZCQ . UAØFDX	13,275-	177- 25-B -80 73- 12-B -80	HA1VE HA0LM	67,860- 57,780-	435- 52-B -20 428- 45-C -20
KØIIR ABØN			163- 91-C 174- 73-C		- 703-164-C	Africa	754.000	4000 400 D	UAØZC UA9CBM	720- 378-	30- 8-B -80 14- 9-B -80	HA8VK HA5HH	41,706- 22,356-	331- 42-B -20 207- 36-B -20
NUØF NCØG		19,494-	114- 57-C 100- 60-B	N3BNA (+NB3I,N3DY)		CT3CU EA8RCT (OH2		1338-188-B	UA9XR	8,613-	99- 29-B -20	HA8DT HA8XF	18,360-	180- 34-B -20 127- 32-C -20
WØF	0	11,934-	78- 51-C	283,065 W3HVQ (+N3EBR)	- 565-167-C		2,224,218-	3182-233- C 267- 91- A	UAØBCK UA9SEX	3,960- 2,340-	60- 22-B -20 52- 15-B -20	HA9TT	12,192- 10,125-	125- 27-B -20
WA9'		11,220- 10,626-	85- 44-B 46- 77-B	186,675 AA3B (+KA3BER)	- 475-131-C	EA8IR	40,887-	231- 59-C	RV9UV UD6DCF	144- 486-	16- 3-B -20 18- 9-B -40	HA1UF HB9AGA	3,348-	62- 18-B -20 366- 83-C
KKØF W4N		9,216- 6,771-	64- 48-B 61- 37-C		- 362-120-C	EA8RL EA8BCJ	720-	713- 50-C -80 20- 12-C -20	UD6DKW	297-	11- 9-B -40	HB9DFY	71,136-	312- 76-B
NBØH KFOZ	1	6,324- 4,350-	62- 34-B 50- 29-B	130,320	- 362-120-C	HZ1HZ		637- 97-C	UD6GF UF6FAL	1,092-	26- 14-B -20 93- 39-B	HB9AGH HB9KC		263- 58-B 196- 64-B
KZØC	;	2,175-	29- 25-C	4	- 243-123-C	TU4CG JG1FVZ/5NØ	AND THE RESERVE OF THE PARTY OF	957-107-B 682-126-C	UF6CX	1,512-	36- 14-B -20	HB9CQL HB9DDZ	13,596- 11,583-	103- 44-B 99- 39-B
KØGT		429-	13- 11-A	K3KG (+K4FJ,W4NL)		5T5CJ		1640-193-C	VS6UP VU2LAM	1,824-	19- 4-C -40 32- 19-B	HB9DX	18,354-	161- 38-C -20
Kan: WAØ		27.105-	139- 65-C	1,464,300 KØHLB (+WØMHS)	- 1624-300-C	9J2EZ		512- 44-C -15	4X6IF		185- 47-A	IØJX I3JSS		1231- 55-C -40 1222- 56-C -20
WØW	PL	15,312- 14,688-	88- 58-B 96- 51-C	425,484	- 892-159-C	9L1SL (KD3F,		616-118-B	Europe			I1XPQ I1QJC		1176- 57- C -20 183- 38- C -20
KBØG			212- 61-C -40	5 W5ASP (+K5s MA,TU,V	VA NES DA EA	9Q5NW (N4N)	N, op) 130,968-	408-107-C	CT1CWT CT1AOZ	13,860- 7,020-	105- 44-B 90- 26-B-160	IX1SLH	19,320-	161- 40-C -20
Mini	nesota			W5ASP,WA5ZVE)		Asia	100,000	100 101 0	SM7AST/CT1 CT4DX	126- 7,050-	7- 6-B -80 94- 25-B -40	IK4IDW I2QIL	8,928-	127- 31-B -20 93- 32-B -20
WØLF		16,929- 7,434-	99- 57-C 59- 42-B	6	- 1157-226-C	HL1LW	4,968-	92- 18-B -20	CU2AK		637- 50-C -80	I6DMQ IK4GNK	8,352- 306-	96- 29-B -20 17- 6-B -15
WØR	XL	3,354-	43- 26-C -80	AG6D (+N1EE,W6s NW	S.TMA.WC6I.	JE2YRD JH7WKQ		1161-151-C 1253-128-C			919-123-C 707-112-C	ISØOMH	61,707-	307- 67-B
KØSF		107,775-	479- 75-C -20		- 676-160-C	JA7RHJ	452,736-	1152-131-C	DKØSA (DJ1YJ,	op)		ISØLYN ISØUWS	7,533- 4,725-	81- 31- A 63- 25- B -20
WØJL	c .C	826.560-	984-280-C		- 463-107-B	JA7FWR JH7LVK	289,926-	889-127- C 819-118- C	DL7AEY	48,510-	244- 67-C 231- 70-B	LA2EG	2,193-	43- 17-C -80
AKØN NIØG	Λ	86,040-	239-120-B 181- 96-B	124,740	- 396-105-C	JA2EU JA7SUR	59,943-	656-108-C 377- 53-B	DJ4OE DL1TH	47,700- 39,744-	265- 60-C 207- 64-B	LA9XG LA2HFA	11,904-	170- 39-B -20 128- 31-B -20
NSØE	3	51,207-	169-101-C	WA6WZO (+KD7EY,WA 61,692	6WZN) - 388- 53-C	JA1JQY JA9CWJ		270- 59-B 249- 63-C	DJ1OJ DL7YS	31,959- 9,360-	201- 53-B 80- 39-C	LA1HCA LA9HFA		106- 28-B -20 102- 27-B -20
KAØF KDØX		5,202- 4,386-	51- 34-B 43- 34-B	WK6E (+ NET) 43,440	- 232- 81-B - 181- 80-C	JA2UOT JA7JHT		189- 55-B 184- 51-B	DF3QN DF3OL	8,424- 7,488-	78- 36-B 64- 39-B	LA6F (LA9DK,		52- 11-B -20
WØPI NVØL		2,394- 1,638-	42- 19-C 26- 21-B	NZ6N (+ NET) 30,843 W6XR (+ NET) 17,856	- 149- 69-C	JE1AER JH6TYD		189- 43-B 150- 44-B	DL1HBT	12,798-	158- 27-C -80	LA9VDA	702-	18- 13-B -20
	h Dakot			W6GC (+ NET) 11,931	- 97- 41-B	JA1DFQ	17,589-	143- 41-B	DL1JF DF9LJ		215- 35-C -40	LZ2KIM LZ1AU		334- 68- C 181- 52- C
KØQC	2	36,105-	145- 83-C	W6EL (+ NET) 4,356 WX6M (+ NET) 2,829		JA6GCE JA4ATV	8,640- 7,227-	96- 30-A 73- 33-C	DJØYI DK4JN		338- 47- C -20 330- 47- C -20	LZ2AG	22,797-	149- 51-B
KCØC		1,890-	35- 18-C -40	7		JA2DN JA7ASD	6,375- 5,700-	85- 25-A 76- 25-B	DK9MB DL3ZBA	24,000- 12,480-	200- 40- C -20 130- 32- C -20	LZ1KNP LZ2CW	6,723- 408-	83- 27- B 17- 8- C -80
KØSC	raska M	25 309	148- 57-C	N7NG (+WA6AUE) 343.185	- 685-167-C	JA3ARM JA1VZM	5,214- 5,103-	79- 22-C 81- 21-B	DF4QP DL2KCD	11,016- 10,752-	102- 36-C -20 112- 32-B -20	LZ1LW LZ1BJ	3,960- 1,053-	60- 22-C -20 27- 13-C -20
WØA		1,824-	32- 19-C -20	WA7EGA (+NQ7M)	- 659-138-C	JH7AJD/1 JA8SW	4,500- 4,386-	60- 25-B 86- 17-C	DF7TU	7,800-	100- 26-C -20	OE5KE	457,056-	1104-138-C
	th Dakot			WA7NIN (+W6OAT)		JE7IVP	3,960-	66- 20-B	DJ6SO DL1MAY	4,686- 4,290-	71- 22-C -20 65- 22-B -20	OE2VEL OE3JOS		102- 25- C -80 223- 39- C -20
KDØE K5LZ		28,566- 150-	138- 69-C 10- 5-B	193,440	- 413-155-C	JA8AJE JS1OSP	3,540- 3,249-	59- 20-B 57- 19-B	DJ8SG DL6HCC	3,498- 2,970-	53- 22-B -20 55- 18-C -20	OH6AC		799- 98-C
VE				K8AZ (+K8NZ,KQ8M,N8	BAA,W8HSK,	JH1MTR JA1JGP	2,808- 2,520-	52- 18-B 56- 15-B		303,696-	888-114-B	OH7RS OH3JF	21,060-	357- 94-C 156- 45-B
Mari	itime-Nev	wfoundla	and	W8KIC) 1,144,746	- 1462-261-C	JF1JAX JP1TRJ	2,520- 2,475-	60- 14-B 55- 15-B	EA3ALV EA2CR	44,298- 27,633-	214- 69-B 151- 61-B	OH6AK OH9PH	5,346- 65,349-	66- 27- B 411- 53- C -20
VOI	MP	618,000-	1000-206-B	9 WONNE (, one) 259 409	E90 149 C	JA6HJP	1,677-	43- 13-B	EA3DBO EA3BOW	25,428- 17,292-	163- 52-B 131- 44-B	OH6YF OH2BZD	6,003- 3,648-	69- 29- C -20 64- 19- B -20
VE1D		178,416-	472-126-B	W9NNE (+ ops) 258,408 NB9C (+ N9EJL,NA9M,I	NF9S)	JG3EHD JA6BWH	1,548- 1,044-	43- 12-B 29- 12-B	EA7FUR EA3AQS	7,254- 28,728-	78- 31- C 252- 38- C -80	OH6CD	3,036-	46- 22-B -20
		17,328-	76- 76-B	NE9U (+KA9LAQ)	- 491-137-C	JN1AIF JA1AAT	726- 390-	22- 11-A 13- 10-B	EA7AAW W5KI/EA	33,060- 11,616-	380- 29-B -20 121- 32-B -20	OH3GD OH2BNS	1,008- 720-	28- 12- A -20 24- 10- B -20
VE1N Que		4,500-	60- 25- A		- 176- 68-B	JA3UWB JF1NZW	84- 192-	7 -4- B 16- 4-C-160	EA4CPI	9,696-	101- 32-B -20	OH5MX	510-	17- 10-B -20
VE2A		316,872-	652-162-C	Ø NØXA (+ABØs W,X,KØs	RWL.LIAA VRII	JE1SPY JA1YBK (JHØI	42-	7 -2-C-160	EA3DCM EA3EJX	9,300- 8,190-	105- 26-B -20	OHØPA OK1ALW	6,804-	84- 27-B -20 2044-185-C
VE2F	FE	3,000-	50- 20-C -20	VXU,WAØTKJ) 789,888	- 1088-242-C	JA8DNV		120- 25-C -80 66- 19-C -80	EA4AYX EA7AZA	7,470- 2,964-	83- 30-B -20 52- 19-B -15	OK3KAG OK3CEI	156,288-	592- 88-B
Onta		200 710	600 140 0		- 346-129-C	JH4UYB	1,452-	44- 11-C -80	EA4BV EA6GP	486-	18- 9-B -15 176- 60-B	OK2KMR	60,030-	290- 69-B
VE38			609-146- C 302-102- B	ABØP (+WBØHCH) 94,233	- 311-101-C	JA1KFX JRØXOJ	1,368- 1,254-	38- 12-B -80 38- 11-B -80	EI9J		276- 68-B	OK3FON OK2HI		276- 69-B 188- 63-B
0.4	-			Fr	om Oc	toher	1987	OST	© ARI					
84	10	5Tz			J UU			<u>~</u> -	~ , vi vi	· —				

OK1DKW 28,200- 188- 50-B	UV6HFK 105-	7- 5- A -80	Y51YJ	5,475- 73	- 25-C -20	HK3MAE 2,052- 36- 19-B -10	UP1BYL (UC2WAO, UP2s BKW, BWM,
OK1KZ 25,380- 180- 47-B	RA4PC 4,725-	63- 25-B -40	Y32EE	5,304- 68	- 26-C -20	K5KG/LU 2,062,341- 2829-243- C	038-1052, ops) 336,240- 934-120-B
OK3CEL 23,040- 160- 48-B OK3CDZ 20,790- 165- 42-B	RA6LW 1,938- UA1ZO 131,040-				- 23-C -20 - 21-B -20	LU6UO/Z 529,431- 1483-119- C LU1EWL 96,045- 337- 95- B	UP1BYC (2 ops) 33,666- 181- 62-B Y39ZF (Y39TF,Y49RF, ops)
OK1DRY 13,824- 128- 36-B OK1MZO 12,420- 115- 36-B	UA6BPM 10,701- OK3IA/UA3 7,332-				- 20-B -20 - 18-B -20	LU8DQ 293,538- 1687- 58- C -20	126,957- 421-101-B
OK1JST 11,562- 94- 41-B	UA3ABT 2,907-				- 23-B -20	LU5UL 127,512- 759- 56-B -20 OD5GZ/LU 58,500- 390- 50-C -20	Y54ZL (Y54s ML,NL, ops) 51,957- 252- 69-B
OK1DZD 11,136- 116- 32- A OK2OVZ (OK2PDL, op)	UA1OLL 2,109- UA3TCJ 1,305-				- 19-B -20 - 19-B -20	OA4ZV 40,032- 278- 48-B -20	YZ7V (YU7AV,YU7AX, ops)
9,300- 100- 31-B	UZ1AWO 990-	22- 15-B -20	Y21XI	2,106- 39	- 18-B -20	P40GD (W2GD, op)	714,306- 1598-149- C YU2CKL (YU2AL, + ops)
OK1DKR 6,351- 73- 29- A OK1DMA 6,120- 68- 30- B	UA10AM 858-				- 17-A -20 - 19-B -20	4,808,259- 4993-321- C PJ9J 3,678,819- 3943-311- C	430,614- 1018-141-C
OK2PAW 5,994- 74- 27- A		1224-122-B 335- 70-B	Y21XC	1,350- 30	- 15-A -20	PJ2LS 604,464- 1028-196-B	YT5R (YU5s GB,JA,RS-109, ops) 60,264- 279- 72-B
OK1KCF 3,657- 53- 23- B OK3YX 56,244- 436- 43- C -80		287- 61-B 202- 55-B	Y32JK Y21IM		- 14-C -20 - 10-B -20	PT7AQ 337,194- 786-143-B ZY1APS (PY1APS, op)	YU7AJR (2 ops) 57,594- 331- 58-B
OK2BFN 21,522- 211- 34-C -80	RB7GG 31,842-	174- 61-B	Y31TF	840- 28	- 10-B -20	131,838- 511- 86-B	4U1UN (ON5HE,W6ISQ, ops)
OK2BCI 4,860- 81- 20- C-80 OK1FKM 3,960- 66- 20- C-80	UB5VKO 9,765- UB4DWW 9,696-	105- 31-B 101- 32-B	Y77YH Y39UL	600- 20 567- 21	- 10-B -20 - 9-B -20	PY2KP 9,120- 80- 38- C-20 4M4A (K3UOC, op)	260,073- 781-111-C
OK1KNR 1,404- 36- 13- C -80	RT4UF 11,811-	127- 31-C -80	Y92ZL	312- 13		3,039,858- 3606-281- C	North America
OK3CUG 495- 15- 11- A -80 OK1FKW 189- 9- 7-B -80	RB5LO 8,100- UB5IFN 3,705-	108- 25-B -80 65- 19-B -80	Y36SG Y24OL	75- 5 72- 6	- 5-B -20 - 4-A -20	YX3A 561,120- 1120-167- A YV1OB 61,884- 382- 54- C-160	J6CQ (K4LYA,NF5Z,WE5P,W5PWG, ops) 3,520,803- 4147-283-C
OK2PLD 180- 10- 6-B -80 OK1DVK 144- 8- 6-B -80	UB5ILW 1,440-	24- 20-B -80		20,580- 140	- 49-B	YW7A (YV7QP, op)	K5NA/KP2 (+KU2Q,N2GUV)
OK3CSW/P 22,932- 196- 39-B -40	UB5EPV 570- UT4UI 18,537-		YO4BQV YO2AQO		- 10-B - 13-A -80	105,924- 679- 52-B -40 YV5IWT 141,426- 873- 54-B -15	4,065,984- 4344-312- C XE2EBE (AA6DP,W7MAP,K8GL, ops)
OK2PCF 5,100- 85- 20- B -40 OK1JPH 33,264- 252- 44- B -20	UB5NGA 8,190-	105- 26-B -40	YO4DCF	1,302- 31	- 14-A -40		1,882,518- 2593-242- B
OK2PO 26,676- 234- 38-B -20	UB5ZBG 5,418- UY5VA 2,205-				- 39-B -20 - 24-C -20	Multioperator	ZF2KE (K9DZ,K9RS, ops)
OK2PLH 23,751- 203- 39- B -20 OK1JJB 17,220- 164- 35- B -20	UB5HA 936-	24- 13-B -40		58,320- 270		Single Transmitter	4,509,960- 5096-295- C
OK2ABU 13,590- 153- 30-C -20	RB5HB 216- UB5UAT 25,272-			10,170- 113		Africa	Oceania AH6AZ (+ VE7QO)
OK2PBG 12,480- 130- 32- B -20 OK3CAL 11,136- 128- 29- B -20	UB3GWG 19,110-	182- 35-B -20	4N1W (YU1SV, op		- 24-B-160	ZS1CT (ZS1s AAX,JX,QM,VP,ZO, ops) 255,969- 717-119-B	1,062,465- 1835-193- C
OK3IF 8,991- 111- 27-B -20		174- 36-B -20 153- 34-B -20	4N4L (YU4OO, op	44,088- 334	- 44-C -80	8Q7QL (W6s KG,QL, ops)	Two Transmitter
OK3THM 8 580- 110- 26-B -20 OK1MNV 7,875- 105- 25-B -20	UT4UZ 14,112-	147- 32-B -20	11	19,217- 811		6,888- 82- 28-B	
OK1DGN 7,659- 111- 23-B -20		161- 29-B -20 110- 26-B -20		50,274- 399 4,620- 77		Asia	Asia
OK3PQ 7,272- 101- 24- B -20 OK3CSF 7,050- 94- 25- B -20		105- 22-B -20		15,412- 1238		JA1YWX (JJ1BTC,JM1s CAX,JI2GUT, JR4NIV,JH7PKU,K8HVT,JA6-9330, ops)	JA7YAA (JN1VYN,JG3JRM,JE3DDT, JR7PGL,JE7s HLZ,QCQ,JR8BMW,
OK1MSB 6,192- 86- 24-B -20	UB5AEO 6,534- UT4UW 1,287-		YT3T (YU3BQ, op) 57,410- 954	EE C 20	620,928- 1408-147- C	JHØs MRP,ORW, ops) 670,599- 1461-153-C
OK2BHQ 6,003- 87- 23- B -20 OK1SN 5,832- 72- 27- B -20	UB5AJP 1,254-		4N2V 15	56,492- 966		JA8YBY (JO1DFG,JJ2VXS,JH8PNE, ops) 104,625- 465- 75- C	JA7YFB (JN1RON, JQ1NBV, JE7JWB,
OK2YN 4,536- 72- 21-B -20	UB5ELN 1,221- UC2LB 6,210-			39,878- 818 22,808- 731		JA9YAV (JH9AGV,JH9ETC, ops) 62,580- 298- 70-C	JF7TDN,JR7s GYC,JLU,JVO,OEF, JH0QNT,JF7LEI, ops)
OK3YDP 3,654- 58- 21- B - 20 OK2BGR 2,646- 42- 21- C - 20	UC2AAQ 90-	6- 5-B -80	YZ1U (YU1QD, op)		JA1YEW (JA1WYZ,JJ1FWZ,JP1UYT, ops)	585,888- 1436-136-C
OK2PFP 1,677- 43- 13- B -20	UC2IA 16,956- UC2WAZ 2,592-			71,883- 489 31,878- 253		2,250- 50- 15-B	Europe
OK1OPT 1,218- 29- 14- B -20 OK2TBC 1,173- 23- 17- B -20		170- 29-B -80		8,961- 103	- 29-C -20	UZØJWA (RAØJJ,UAØs JB, ops) 69,426- 399- 58-B	GB4DX (G4s BWP,DRS,GIR,G5LP, ops)
OK2SWD 924- 28- 11- B -20	RO4OZ 5,382-	78- 23-B -20	YT3AU		- 7-B -15	UZØQWA (UAØs QDL,QEW,098-113, ops) 56,079- 279- 67-B	1,193,808- 2261-176-B OH1AF (OH1s EH,HS,NOA,-100, ops)
OK1KAY 780- 20- 13- B -20 OK1TW 510- 17- 10- C -15	UP2BIL 171,690- UP2BO 21,900-	590- 97-B 146- 50-B	4U1ITU (W4KM, o	ip) 13,770- 135	- 34-C	UZ9AYA (UM8NR,UW9AR, ops)	165,048- 598- 92-C
ON8BK 45,825- 235- 65-B	UP2BHN 4,740-	79- 20-B -80	North America			45,450- 202- 75-B UZ9XWW (UA9s 090-601,090-622,090-623,	North America
ON4XG 41,958- 222- 63- B ON6LO 14,580- 135- 36- B -20	UP2BIP 4,047- UP2BKA 270-			05,188- 1561	-236-B	ops) 27- 3- 3-B	XE2FU (+ K5s GA,LZO,VWW,KB5FU,
ON6IJ 11,136- 116- 32-B -20	UP2OU 189-	9- 7-B -40	C6ARD (W2LZX, o		- 43-B	Europe	KE5IV,KG5U,KZ5M,XE2s AAM,GL,KN) 5,546,205- 5869-315- B
ON8WN 1,938- 38- 17- A -20	UP2BLQ 6,534- UP2BPO 600-			10,320- 80 10,098- 102		DFØRK (DJ6RX,DK5PD,DK9PY,DL1KS, ops) 1,017,648- 1776-191- C	5,5 15,255 355 315 2
OZ7HT 212,400- 708-100-B OZ1IPP 85,629- 391- 73-C	UQ1GWW 251,328-				-151-B	DKØTU (DF5GX,DK1PD,DK5GB,DK6QI,	Unlimited
OZ5WQ 22,620- 145- 52-B	UQ2GFB 75-		J87BN	621- 23	- 9-B	DL4EBY, ops) 376,047- 987-127-C DK7FP (+DK7ZT,DL5ZBA)	Asia
OZ2RH 1,530- 34- 15- B -80 OZ7YL 14,022- 123- 38- C -20	UQ2GMC 2,835- UR2RDJ 4,752-			9,882- 122		107,163- 441- 81-C	JA9YBA (JA9s VDA,-10148,JH9VSF,
OZ5EDR 10,692- 108- 33-B -20 OZ1AXG 6,138- 66- 31-C -20	UR2RKQ 1,980-	44- 15-B -20		69,974- 994 54,300- 362	- 57-C -20 - 50-C -20	HG1S (+ops) 607,230- 1718-117-C	JJ3URK, ops) 66,339- 351- 63-C
OZ1FFG/A 540- 20- 9-B -20	UR2RNG 720-		NP4A (NP4Z, op)			HA1KRR (HA1s DRR, DRV, XO, XU, ZN, ZZ,	Europe LZ1KWF (LZ1s A12201,A1362, ops)
PA3BNT 21,996- 141- 52-B	Y51XE 163,647- Y41ZF 90,180-	627- 87-C 334- 90-B		35,602- 4646 53,115- 2065		ops) 424,872- 1169-126- C HA6KVN (HA6s VN,VW, ops)	296,571- 817-121-B
PA3ACC 15,660- 116- 45-B PA3DKX 11,931- 97- 41-B		287- 71-B	NP4H 3	32,400- 240	- 45-B -20	7,176- 104- 23-B	4N2E (YU2s AW,CT,EU,HW,LRU,NW,QS,
PA3DUA 5,940- 60- 33-B		239- 59-C 201- 67-C		8,100- 100		IK2DVG (+I2s UBI,UIY) 922,878- 1738-177- C	RA,YT2RA, ops) 1,544,400- 2574-200- C
PAØCF 4,872- 58- 28- B PA3PTH 3,154- 83- 38- B		204- 50-C 171- 52-C	OX3KD 2 TE3T (TI4SU, op)	23,160- 193	- 40-B -20	IK2EGL (+I2VXJ,IK2BHX)	Oceania
PAØADT 13,176- 122- 36-A -20	Y33TB 19,803-	161- 41-C	1231 (11430, op) 58	54,400- 1120	-165-B	554,610- 1330-139- C	KH6XX (+KH6s BZF,DX,KV,ND,ZF,
PAØPLN 4,524- 58- 26- A -20 PAØINA 3,726- 54- 23- B -20	Y23YE 19,575- Y22LE 15,873-	145- 45-B 143- 37-C	VP2MU (K6BWX,		460 0	LZ1KVZ (LZ1ZF,LZ1-F-156, ops) 238,710- 743-109-C	4X4AI/KH6) 4,275,177- 4932-289- C
PAØGG 2,772- 42- 22- A -20	Y58ZA/Y31SC 14,994-	119- 42-C		41,474- 1242 37,363- 571		OK1KSO (OK1s AEZ,AII,ICF, ops)	Observations
PA3BNH 240- 10- 8-B -20 SM6DHU 118.800- 550- 72-C		120- 36-B 105- 40-B	XE2KJ (AA5B, op)		- 31-0-100	596,400- 1400-142- C OK2KOD (OK2s BDI,BHM,WAZ, ops)	Checklogs
SMØCOP (KB1Q, op)	Y21BE 11,016-	108- 34-B	2,47	71,382- 3193	-258- B	92,856- 459- 73- B OK1KNC (OK1s AOE,18935,OL3BIQ, ops)	AA6BB/7, CE3ZI, CT1AVR, DJØMBG, DJ4AZ, EA1CHN, EA3DUU, EA3DXD,
15,621- 127- 41-B SM6BGG 7,722- 99- 26-C -80	Y26TI 10,455- Y21CL 10,032-		XE2GBD (N6EK, o 1.33	op) 33,116- 1949	-228-C	7,488- 104- 24-B	EA3ELM, EA4EDU, EA5EGT, EA5ELI,
SM7EQL 15,651- 141- 37-C -40	Y22HF 9,486-	93- 34-B	XE2GAT 44	13,886- 886		OK2KPS (+ ops) 5,346- 81- 22- B OK2KVI (+ ops) 1,560- 40- 13- B	EA5JC, EA7FUN, EA7GBD, EA7XC, EA8ACH, F6CCI, G3KZJ, G4ZME,
SM7OEL 4,536- 63- 24- C-40 SK3AH (SM3RL, op)	Y23QD 8,760- Y32QD 8,658-		XE2GAU (N6ADI,	op) 59,720- 440	-121-B	OZ1ALS (OZ1s KUM,LPR,KVF, ops)	GI5TK, HA1WW, HA1XR, HA4XX,
28,956- 254- 38-C -20	Y55TJ 7,956-	68- 39-C	XE2AHQ 6	66,621- 419		12,768- 112- 38-B	HA5AHS, HA5ARR, HA5DJ, HA5EA, HA5HO, HA8IB, JH1VRQ/W1, KA6V/7,
SM6BZE 16,335- 165- 33-B -20 SM7FHJ 11,880- 110- 36-C -20	Y67UL 4,680- Y75TH 3,780-		XE2VKR (NN7A, o	op) 6,708- 86	- 26-B -20	SK1PW (SM1s ALH,IED,NJC,OII,PCV) 146,520- 185- 34-C	KI8W, KJØG, KO4D, LA1TCA, LG5LG, LZ1RU, LZ2KKZ, NI1J,
SMØBTS 7,098- 91- 26-B -20	Y21WI 3,150-	50- 21-B	G3WZ/8P 31	15,750- 842	-125-B	SP8KBM (SP8s ARY,GQU, ops)	OH2BCI, OH6NH, OK1KZ, OK1US,
SM7TV 6,723- 83- 27- B -20 SM6OLL 6,612- 76- 29- B -20	Y25SA 2,808- Y23CM 2,310-		Oceania			49,647- 247- 67-B UZ1AWT (RA1CA,UA1s AFN, ops)	OZ1EUO, OZ1JNR, OZ7BW, OZ7L, PAØPHK, PA3BFH, PA3CBZ, RAØJB,
SM5CAK 4,134- 53- 26-C -20	Y22KO 2,142-		FK8FG	7,644- 91	- 28-B	109,809- 441- 83-B	RA1QE, RB5UX, RC2AP, RC2AU, RS3A, RW3AZ, SMØCMH, SMØIWH,
SM3RAB 3,816- 53- 24- B -20 SMØBDS 1,887- 37- 17- B -20	Y56ZA 1,827- Y71VG 4,536-			65,826- 477		UZ3TYA (3 ops) 43,452- 213- 68- B UZ4YWW (UA4s 097-353,097-410, ops)	SM2LWU, SM2RMK, SM4POB, SM5CVC,
SM1CNS 726- 22- 11- A -20	Y21RO 3,162- Y25ZO 972-				- 23-B	2,565- 45- 19-B	SM6DNF, SM6GOR, SM6KMD, SP1CGP, SP1JRG, SP2BKF,
SP6FER 26,664- 202- 44-B SP5CJQ 11,877- 107- 37-A	Y24YM 1,680-			52,026- 299		UZ3QYA (3 ops) 1,014- 26- 13-B	SP2JKC/3, SP3BYZ, SP5GH, SP5KVW,
SP3HC 5,712- 68- 28-C	Y37XO 672- Y53ED 162-			11,730- 115 28,167- 229		UB4XWB (UB5s 062-56,062-240,O62-247, ops) 290,523- 857-113-B	SP6CYX, SP6HEK, SP7EJS, SP8UFO, UAØIDD, UAØKCL, UAØKO, UA3DJS,
SP3BGD 891- 27- 11- B SP2JKC/3 29,484- 273- 36- C-80	Y25DF 126-	7- 6-B -40		07,136- 372		UB4QWV (6 ops) 74,460- 340- 73-B	UA3DMY, UA3ECJ, UA4UH, UA4YAQ,
SP9CTW 3,876- 68- 19- C -40	Y39ZH 21,762- Y37RL 13,965-	186- 39-C -20 133- 35-B -20		15,870- 115 5,208- 56	- 46-C - 31-A	UB4SWK (RB1ST, UB5s DX, O74-260, ops)	UA6PCH, UB5DW, UB5IS, UB5LIE, UB5PBM, UB5QGD, UB5ZY, UC2ADM,
SP6HEK 33,633- 303- 37- B -20 SP2ASJ 26,676- 247- 36- B -20	Y33VL 13,860-	140- 33-C -20	VK4TT	7,098- 91	- 26-B -20	67,860- 348- 65-B UB4LWY (UB4s LEZ,LFB,UB5-077-1795,	UC2AS, UO4OWR, UP1BZA, UP3BP, UQ1GZW, UQ2GBR, UQ2GQD, UT4UH,
SP5DIR 24,624- 216- 38-B -20		134- 33-B -20 114- 32-B -20		28,044- 246 31,181- 599	- 38-B -15 - 73-B	ops) 13,284- 123- 36-B	UT5LF, UV3DN, UV3MM, UZ1TWB,
SP6AUI 11,508- 137- 28-B -20 SP9BBH 9,144- 127- 24-B -20	Y23RJ 10,752-	112- 32-B -20			- 73-B - 24-B	UB4HWB (3 ops) 11,250- 125- 30-B UT4UWL (UT5s 186-204,186-205, ops)	UZ3DXW, UZ3PXR, UZ6EWA, UZ9AWZ, VE1ACK, VE2AEJ/3, VE5XZ, VO1CA,
SP9ENV 7,743- 89- 29- B -20	Y44SN 8,820- Y21GO 8,649-		YB2FEA	3,060- 51	- 20-B	9,858- 106- 31-B UB4RWW (UB5s RDK,RDZ,RU, ops)	WØKX, W3HRF, W8ROV, W9HR,
SP4EEZ 7,728- 92- 28-B -20 SP9BRP 4,536- 72- 21-B -20	Y21NM 8,019-	99- 27-B -20	YC3HCM YC0EMJ	4,416- 92 600- 50	- 16-C -15 - 4-A -15	8,343- 103- 27-B	WB1CQO, Y21DG, Y22TO, Y22YO, Y23EL, Y23LM, Y23WM, Y24EA,
SP6CYX 3,528- 56- 21- B -20	Y36TI 7,614- Y21RO 6,630-			13,680- 152		UB4TWL (UB5s TBN,TBS,079-248, ops) 1,260- 35- 12-B	Y24KG, Y25GH, Y25TO, Y25ZN, Y26JD, Y26SO, Y27HL, Y27ML,
SP6ORD 972- 27- 12-B -20						UC1AWB (UC2s AAX,ADX,188-188,	Y27QO, Y27VH, Y31ON, Y32KI,
	Y24VK 5,925-		South America				
RA3DX 168- 8- 7-A-160 RA3EA 1,440- 40- 12-B -80		74- 26-B -20		35,050- 270	-105-C	188-189, ops) 134,478- 482- 93-B	Y35ZK, Y42LK, Y42XF, Y49ZD, Y51YZ, Y72VL, Y78ZN, YCØEMJ,
	Y24VK 5,925- Y21UL 5,772- Y27GL 5,760- Y21UD 5,694-	74- 26-B -20 80- 24-C -20 73- 26-B -20	CE3BFZ 8 CX8BBH 14	35,050- 270 11,426- 873	- 54-C -40		Y35ZK, Y42LK, Y42XF, Y49ZD, Y51YZ, Y72VL, Y78ZN, YC0EMJ, YN3EO, YO2BP, YO8AEZ, YO9AHX,
RA3EA 1,440- 40- 12-B -80 UW3AO 1,008- 24- 14-B -80	Y24VK 5,925- Y21UL 5,772- Y27GL 5,760- Y21UD 5,694- Y59ZF 5,610- Y417H 5.478-	74- 26-B -20 80- 24-C -20 73- 26-B -20 85- 22-B -20 83- 22-B -20	CE3BFZ 8 CX8BBH 14 HK1KYR 17	35,050- 270 11,426- 873 75,770- 1085	- 54-C -40 - 54-C -15	188-189, ops) 134,478- 482- 93-B UP1BZZ (UP2s BIG,BRF,PAI, ops) 593,844- 1207-164- B	Y35ZK, Y42LK, Y42XF, Y49ZD, Y51YZ, Y72VL, Y78ZN, YCØEMJ,
RA3EA 1,440- 40- 12- B -80 UW3AO 1,008- 24- 14- B -80 UA4HLD 792- 24- 11- B -80	Y24VK 5,925- Y21UL 5,772- Y27GL 5,760- Y21UD 5,694- Y59ZF 5,610- Y417H 5.478-	74- 26-B -20 80- 24-C -20 73- 26-B -20 85- 22-B -20 83- 22-B -20	CE3BFZ 8 CX8BBH 14	35,050- 270 11,426- 873 75,770- 1085	- 54-C -40 - 54-C -15	188-189, ops) 134,478- 482- 93-B UP1BZZ (UP2s BIG,BRF,PAI, ops) 593,844- 1207-164- B	Y35ZK, Y42LK, Y42XF, Y49ZD, Y51YZ, Y72VL, Y78ZN, YC0EMJ, YN3EO, YO2BP, Y08AEZ, Y09AHX, Y09HH, YUZKI, YU2QJ, YU7DR,