Results, 51st Annual ARRL November Sweepstakes

By Mike Kaczynski,* W1OD and Edith Holsopple,** N1CZC

ast year's Golden Anniversary of the ARRL November Sweepstakes will long be remembered as the "year of the broom," because of the special award offered to entrants who worked a "clean sweep" (worked all Sections) during the contest period. This extra incentive seems to have paid off, as 417 out of 1995 entrants (almost 21%) hit the mark. In contrast, activity was down this year (1984), with 1661 entries received. Lack of activity made a sweep a bit harder to come by: Only 11.3% of this year's entrants (187, to be precise) managed a sweep. Of those, 100 were on CW, and 87 on phone.

Yes, folks, activity was down, but Sam Morse can be proud—phone entries, which normally outnumber CW entries by between 100 and 200, had the edge by only three this year! CW is not dead: When the going gets tough, CW gets through. This year, brass pounders numbered 829, compared to 943 last year. Even though there were fewer people to work on CW, competition was awesome! Randy, K5ZD, skippered N5AU to a first-place berth for the fourth time in a row, edging out W7NI (flown by Tree, N6TR) by a mere 19 QSOs (a difference of only 0.791 O/hour).

Surprisingly, neither Randy nor Tree managed a sweep in pursuit of their first- and second-place finishes, respectively, on CW. Randy missed North Dakota (where was North Dakota?) and Tree missed VE1. It just goes to show you that a sweep isn't mandatory to win in SS—but it helps!

Phone competition (for top spot, anyway) wasn't quite as fierce, with KP4BZ running away from the rest with 1948 QSOs (but no VE8). Stateside, N6BV did get a sweep, but fell 30 QSOs short of besting WA7NIN (operated by W6OAT). K4VX, operated by KRØY, was only 10 contacts behind.

VE8/VY1 contacts were to be had on both modes this year, with two stations on the air each weekend. Brass pounders were blessed with 558 QSOs from the Yukon/Northwest Territories Section, while phone operators had only 198 reported QSOs to compete for.

With the exception of low-power stations K1ZM, KY2P, KM1C (operated by W1PH) and multiop K1KI, the Northeast wasn't the area of the country to be in to make the Top Ten. Propagation gave stations in the South, West and Midwest a slight edge—to be expected. Old Sol loses his spots, but participants didn't seem to mind that much. After all, the most important part of a contest isn't to win, but to have a good time (although winning is fun, too!).

Even if you couldn't get on for the entire contest, Sweepstakes serves as an opportunity for



Code-man NX4N beat out the other NFLers with 1001 QSOs and 144,144 points.

Top Ten Single Op

Pnone		CW	
KP4BZ	283,240	N5AU (K5ZD)	173,302
WA7NIN (W6OAT)	246,568	W7NI (N6TR)	170,528
N6BV	242,128	K4VX (KRØY)	169,608
K4VX (KRØY)	240,204	WA7NIN (W6OAT)	168,128
K5RR (N5RZ)	239,316	N2IC	166,352
K5LZO	239,020	KØRF (WØUA)	163,984
N5AU (WB5VZL)	238,872	N5JJ `	163,984
W7RM (W7WA)	238,724	K5RX (N5RZ)	163,836
KØGU	238,132	K3LR	162,948
N5DU	237,540	K5GO	162,208

Top Ten Low Power

Phone		CW	
K4XS	198,172	K7JA	136,456
KE5CV	173,752	K1ZM	133,200
K7OX	172,272	KY2P	129,794
W4MM (N4FD)	147,898	KZ6E	129,352
K5ZD	142,704	K9GL	125,504
WØIJR (KØEU)	138,460	K4XS	123,808
K2PLF	138,408	N7TT	120,768
N7TT	135,716	KY7M	120,472
K3WUW	133,776	KM1C (W1PH)	120,012
WC4E	131,400	WØIJR (KØEU)	119,732

Top Ten Multioperator

Phone		CW	
KN6M K5CM KØUK KJ9D K5QY K5RYK K1KI	229,548 211,492 200,392 194,176 193,392 191,068 176,806	N6BT WB8JBM AC9C KJ9D	165,316 150,088 144,540 144,152 140,748 138,972 132,312
N5JJ NDØE KE5IV	171,088 169,460	KA5W KØVVY ABØS	129,796 123,432 122,932

operators of moderately equipped stations to make a lot of contacts, or work those few remaining states for WAS. It's amazing what can be done with 100 W and a dipole or two. This is what sets Sweepstakes apart from many other contests: You don't need a really big station to do well. In fact, several Section winners ran low power and a moderate antenna farm (dipole/tribanders at about 40 feet).

Unlimited-class affiliated-club competition took on a new meaning this year, as the Northern California Contest Club challenged any club to beat their all-out effort. The Mad River Radio Club accepted the challenge, but their 5.466-megapoint, 82-entry aggregate couldn't top the whopping 104 entries put together by NCCC, which totalled 7.6 M. Good show, guys!

In the medium category, two Texas clubs took advantage of propagation to top the list. The Texas DX Society put together 47 scores for a 5.53-M aggregate, followed very closely by the 4.87-M, 46-entry combined total of the North Texas Contest Club. Third and fourth spots were also hotly contested, with the Potomac Valley Radio Club narrowly defeating the Colorado Contest Conspiracy at the 3.5-M level.

The Rubber Circle Contest Club dominated the Local Club Category, putting together 10 entries for a total of 1.309 million points. Thanks to all club members who got on to add to their aggregate club score. These added QSOs made SS more interesting for everyone who participated.

On another note, several people have asked what type of computer-generated reports are acceptable. For log sheets, the answer is quite simple: Computer-generated logs should contain the same columns of information (and in the same order) as official ARRL log blanks. We suggest 50 OSOs per page, as it makes things much easier at our end. Dupe sheets should provide us with an alphanumeric sort of the call signs worked during the contest. These should be readable. If the order of the sort is not obvious, please provide us with a key so we can figure out who you worked. Computer-generated summary sheets are acceptable, but make sure that all information appears in the same order as our official summary sheet—this sheet contains all the information that we need to properly calculate and list your score. Be sure that your return address appears on the summary sheet. If you leave out some vital information, you could end up listed with the checklogs!

Several clubs have not read the club competition rules as outlined in the January issue of QST. Specifically, the secretary (or another officer) of each club wishing to enter the affiliated-club competition must send us a complete list of all club members meeting the distance and attendance requirements. Besides listing all club members, the secretary's letter must indicate which level of competition the club wants to enter. This list is due at ARRL Hq. by

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**Assistant Contest Manager, ARRL

Affiliated Club Competition				
Unlimited Category	Score	Entries	Phone Winner	CW Winner
Northern California Contest Club Mad River RC	7,607,843 5,465,897	104 82	WA7NIN K8AZ	WA7NIN K3LR
Medium Category				
Texas DX Society	5,531,704 4,865,122	47 46	K5LZO K5RR	K5GN N5AU
North Texas Contest Club Potomac Valley RC	3,585,098	42	W3YY	W3LPL
Colorado Contest Conspiracy	3,437,724 2,748,671	34 40	KØGU K1VUT	N2IC K1EA
′ankee Clipper Contest Club Aurphy's Marauders	1.828.043	26	W1WEF	K1TO
arand Mesa Contesters	1,828,043 1,145,122 698,142 659,896	15	KØUK	KØUK
Frankford RC Kettle Moraine Radio Amateurs	698,142	13 21	K3WW W9XT	W2GD W9XT
South Jersey Radio Assn. N/K ARC of Greater Milwaukee	583,843	18	WA2VYA	K2YY
N/K ARC of Greater Milwaukee	475,508 432,082	12 13	N9AW W7BUN	W1ZT KT7G
Radio Club of Tacoma	432,062	13	W/BUN	KIIG
Local Category Rubber Circle Contest Club	1,309,170	10	=	W7RM
Kansas City DX Club	925,202	10	KMØL	KMØL
Eastern Iowa DX Assn. Central Arizona DX Assn.	880,346 794,994	8 9	K70X	NØGA K7OX
Dixie DX'ers	766.622	9	WZ4F	K4JPD
Southern California Contact Club	675,668 621,060	8	W8AKS	W6YA
Central Virginia Contest Club River City Contesters Lincoln ARC	621,060 588,634	9 10	W4MYA KV6H	W4MYA KV6H
incoln ARC	544.098	5 3	KØSCH	111011
Central Indiana Contesters Morton Area DX Assn.	430,600	3 4		-
Morton Area DX Assn. Central Florida DX Assn.	429,272 410,914	3		
Mississippi Valley DX/Contest Club	410,914 371,506	3 7	Therene	KMØR
Central Florida DX Assn. Ventral Florida DX Assn.	354,888 350,556	10	WB3EMG	кзох
HOCHESTER (NT) DX ASSII.	319,026	3 6	AF2K	W2TZ
Reading RC Western Pennsylvania DX Assn.	317,646	6	WA3SPJ	K3DTD
vnchburg ARC	312,832 294,948	5 6 4	AA4FF	AA4FF
ynchburg ARC Schenectady ARA Central Michigan ARC	294,948 282,224	4		
Sentral Michigan ARC Eastern Michigan ARC	278,860 278,724	9 6 3 4	KC8CY	W8VPC N8CQA
Sevier County ARC	271,810	3) I	-
Ashtabula County ARC	256,895	4	AI8S	-
Eastern Connecticut ARA Long Island Mobile ARC	251,018 247,761 247,644	6	W1ODY KS2G	K2AU
Contest Assn. of South Texas	247,644	4		_
Contest Assn. of South Texas Willamette Valley DX Club Rip Van Winkle ARS	231,638 222,582	4 5 10		AG7M
HOCKTORD AHA	218.902	10	K9LJN	K9LJN
Northern New Mexico ARC	196,936	4 3	N5EZA	-
Central Kentucky DX Assn.	196,186 194,286	4	Ξ.	K9GL
II. Wind Contesters Northrop RC Ventura County ARC	194,286 186,596	10	K6HRT	K6HRT
/entura County ARC Jtica ARC	185,808 184,904	4 7 3 5 3	K6VMN NA2A	NA2Q
AR Transmitting Society	183 036	3 .	- NAZA	- NAZQ
Western AR Assn. DH-KY-IN ARS Ort Wayne RC Order of Boiled Owls—NY	182,614 165,346 163,360 155,028	3	-	-
JH-KY-IN AHS Fort Wayne BC	165,346	3	· = ·	_
Order of Boiled Owls—NY	155,028	4	K2SX	_
Penn Wireless Assn.	153,316 138,664	4 4 3 3 6 3 5 8 4 3 3 3 3 3 5 8 4 3 3 3 3 3 3		КЗТХ
Saginaw Valley ARA Albuquerque DX Assn. Boulder ARC	133.098	3		=
Boulder ARC	126,604	3		
Lygo AHC Fox River Radio League	125,374	6	W1ECH	W1ECH
Zygo ARC Fox River Radio League Athens County ARA West Park Radiops	125,374 122,768 120,252	5	NE8R	
West Park Radiops	104,040	8	KC8F	W8IDM
Western Washington DX Club Valley RC of Eugene	101,922 97,980	3	=	_
Norwood ARC	96.860	3	-	-
Motor City RC	82,926 80,052	3	-	_



KZØI (foreground), KNØD, (left) and KSØD teamed up to operate KSØT/VE4. Their team effort logged 427 CW QSOs and 68 Sections.

me 15 minutes into the contest (K1JB). Forty meters was phenomenal to the west coast. Even the lowpower stations were S9 (N3AM). I could score much better if my next-door neighbors wouldn't watch TV while I operate on 7 MHz (KKØQ). I didn't plan to participate, but on listening, I reacted like the proverbial firehouse horse hearing the fire alarm (W2GND). I can't conceive that the CW speed merchants will place at the very top of this contest. They have written off literally hundreds of casuals and part-timers who cannot or will not copy their 45-WPM machine-sent exchanges. The sad thing is that not only have they missed out of QSOs with these people, they've probably driven many of them these people, they've probably driven many of them out of the contest altogether (W4UQ). I must be crazy to try SS with 250 mW. I would like to know if anyone has ever entered with a power level of under 500 mW, and what their score was. I am deeply grateful to all who showed their courtesy by patiently working my weak signal. My first SS 'test was a wonderful experience (KAICV). Combine 100 W, a vertical and my QTH on Adak Island in the Aleutians (2000 miles west of Seattle) and I am happy some of you even heard me (WBACEC/KLT). happy some of you even heard me (WB6CEC/KL7). I have never met a nicer group of hams than those at VE4UM (KK9W/VE4). In the '60s, after a 48-hour contest, I would wish there were more hours. In the '70s, SS was just right, and I was glad nours. If the 70s, 55 was just right, and I was grad to see the end of a 48-hour 'test. Now SS seems to never end. For me, stamina is inversely proportional to age (K3WUW). This year, I had to choose between a date with a female friend or CW SS. I just hope the points I missed in SS get credited to my social life (KA8NCR). I thought I had Murphy beat for once until I got a call with about 6 hours to go saying that we were interfering with the campus security police repeater. Fortunately, reducing my power allowed me to finish the 'test without being arrested, hi (AG1M). I couldn't believe how easy it was to get a sweep on code this year (KU8E).

the SS mailing deadline.

Motor City RC Four Lakes ARC

Happanannock va West Allis RAC Wichita ARC L'anse Creuse RC Falmouth ARA

Rappahannock Valley RC

That's it for this year. Thanks to WA8MAM for our parting thought: "While I was hastily preparing for SS on Saturday, my wife said: 'Take it easy! It's only a game.' I had to correct her. SS is more than a game, more than endurance, more than skill, more than luck, more than interesting, more than fun, and more than enough reason to do it again next year. See you then!"

CW SOAPBOX

Wish I could have spent more hours. I was using a cliff-hanger's sneaky dipole, which compounded the fun (W2DUN). Easiest sweep ever. I was surprised to have VE8QST return CQ on 40 m (W2GD). Several firsts and a last! First time on 160 and 80 meters, first time duping with a computer during the contest, first time over 100 QSOs, last time with my trusty TS-520S... ordered a TS-830 (KT2D). How come each year I miss one Section,

and it's always a different one? (WA2TBA). Where are VE8s and KL7s? Having circuit breakers pop in my amp is scary (K1SEC). I thought VT was rare. Where on earth is North Dakota? (WB1GQR). How about a class for manual operations? There is no way to compete with computerized stations' automated sending, receiving, logging, etc. (K4VRT). The low-power class is getting to be a joke. The band is covered by spurious signals or just plain rotten signals from too many synthesized rigs that are very poor (K4XU). Fifteen meters was great! We made five QSOs before noticing that we were using the dummy load (NØIN). My 50-foot tower came down in a gale 24 hours before SS. What a frantic repair job! I got the beams back up with the aid of $2 \times 4s$ only one hour after the contest began (W6JTI). I hope we don't ship a case of California champagne to MRRC. Those guys were everywhere (W6SZN). Happiness is working the 74th section with one minute remaining in the contest (K9LJN). CW SS without a filter is cruel and unusual punishment (N9CIQ). Fifteen was poor here. Ten wasn't open at all. Come back, sunspots (NØEOB). The best part was hearing VE8QST call

4433635843333343433

82,926 80,052

72,630 54,750 50,056

PHONE SOAPBOX

What a way to spend a weekend-little food, little sleep, subjected to 24 hours of ear-splitting, mindnumbing racket ... I loved it! (WD5GSL/WBØTEV). A new form of Murphy has appeared in contesting-the software bug (KØMPH). My thanks go to my wife, without whose moral support and encouragement I would not be able to do as well (WD8MGQ). It was hard to believe that the rig was putting out less than 2 W. Very few needed repeats. I averaged over '15 QSOs per hour (W6JVA). Our check of 19 gave most ops a bit of disbelief. The club was licensed in 1919. Next time I'll use my check of 59. The novelty ended after the first 100 repeats (N4FD). I nearly unadrunled last first 100 repeats (N4FD). I nearly quadrupled last year's score. Imagine what could be done with a real antenna! Watch out next time, WA2STM (N2DRR). It was super to hear plenty of 160-meter SSB activity (W2GD). I'm still waiting for 10 meters (KZ2I). Moral for this year's SS: Don't hook up a CQ tape machine a half hour before the contest! RF got into everything, including my logging computer (WA2TBA). I was thinking about retiring from SS. After this year's miserable conditions, I'm

Division Leader	s—CW		
Division	High Power	Low Power	Multioperator
Atlantic Canadian Central Dakota Delta Great Lakes Hudson Midwest New England Northwestern Pacific Roanoke Rocky Mountain Southeastern West Gulf	K3LR VE7QO W9RE NØBSH K5GO K8CC W2GD K4VX (KRØY) K1EA W7NI (N6TR) WA7NIN (W6OAT) N8II (KC8C) N2IC K1ZX/4 W6YA (N6TJ)	K3WUW VE3IRF K9GL KØIJL K4XU K8EE K1ZM KØRWL KM1C (W1PH) N7TT N6MG (KD6PY) KD8G WØIJR (KØEU) K4XS K7JA	K3UA VE3ART AC9C KØVVY KY5M WB8JBM N2EKS ABØS K8KA AG7M N6BT K4IX KØUK N4KG KE6PY KZ5M

Division Leader	rs—Phone		
Division	High Power	Low Power	Multioperator
Atlantic Canadian Central Dakota Delta Great Lakes Hudson Midwest New England Northwestern Pacific Roanoke Rocky Mountain Southwestern West Gulf	K3ZO XN7WJ (KE7V) K9ZO WBØMWJ N4ZZ A1885 W2ARQ K4VX (KRØY) W1WEF W7RM (W7WA) WA7NIN (W6OAT) W3YY KØGU KP4BZ W7FGT N5AU (WB5VZL)	K3WUW VETGDX K2PLF KØFZG W9OBF WD8MGQ WA2STM WØHBH KG1D N7TT K6TMB WC4B W0JR (KØEU) K4XS K7OX KE5CV	K3TUP VE3GAS KJ9D KØVVY WA5TCL WBBJBM N2WT KØWA K1KI WA6PVA K6ZM KC4DY KØUK WAQL KF6OG KN6M

now thinking about it seriously. I still can't believe that I couldn't find a KH6 anywhere in a kilo QSOs worth (WB1GQR). Do VE8s really exist? N7DF should go back up to VE8-land (WB3EMG). Conditions in MD were BAD (K3TM). The last time I entered this contest was in 1956 when I won the East Florida Section with 107,000 points as K4GHA (N4DVW). The contests were excellent. Murphy was QRT. Maybe next year I'll get brave and go QRO with the big boys (K4XS). I enjoyed CW weekend more, but didn't send in an entry. I operated mobile 10 W through AZ, NM, TX and LA. I worked 220 guys, but hadn't made preparations to keep a log (N4BP). I hope you award a separate class for all the A precedents. It's a jungle without a kW (WA1MKE). From KT7G's reaction on finding I was in SD, you'd swear he'd just been told he'd won a million bucks. I just about fell off my chair laughing (KØJV). I've heard lots of complaints of laughing (KØJV). I've heard tots of complaints of bands in bad shape, but they can't be too terrible if my "clothesline" antenna and I managed to snag 60 Sections in just over 12 hours of operating (N2BFG). It is unclear when the Purdue University ARC was first licensed. We do know that the club was active in the teens. This year, we used a check of 10 for the Big Ten conference we belong to. After having to repeat the exchange so often, we surely won't try that again! (W9YB)! With all these new calls, dupe sheets are impossible (WA4RRD). Is this the year I finally win the VA Section on phone (W3YY)? I wished I had conditions to VE8. Activity was really good on the low bands. I'll probably go low power next year (KP4BZ). Big beams on 40 and 80 are fun ... except when it rains (KN6M). Is there an antidote for SS addiction? (K6SG). Were the bands that bad or was it me? My amp died twice. I ran out of coffee. I had a ball (WB8JKR). This was my first real attempt at SS in 25 years. What a blast (K9OSH).

SCORES

CW scores are listed first, followed by phone. Within each call area, scores are listed by ARRL section. Within each section, single operator scores are listed first in descending numerical order, followed by multioperator scores. Each line-score lists call sign, final score, number of QSOs, number of sections worked, hours operated and output power used (A = 150 watts or less, B = more than 150 watts). Example: in Connecticut, K1TO worked 1008 stations in 73 sections for a final score of 147,168 points. He operated for 24 hours and used more than 150 watts.

CW		W1TKG K8KA/1 (+ A	1716- 39-	22- 8-A	K1AR (+ K1DG) K1SEC(+ KV1Y)			Vermont				City & Long Isl	
		NONALI (+A	122,494- 839-	72 24 D	W1BK (+N1CW		00-22-0	WB1GQR (K	T2E, opr.)		K2AU	99,258- 699-	
1			122,494- 039-	13-24-0	ANIBIC (+ INICAN	32,208- 264-	61 22 B		82,320 - 588-	70-22-B	N2MG		71-24-A
						32,200- 204-	01-22-0	W1KQ	43,100- 350-	63-16-B	K2YGM	46,800- 360-	65-11-B
		Fastern M	lassachusetts					W3SOH	11,938- 127-	47- 7-A	W2LPA	28,556- 242-	59-11-A
					Maine			K2LE/1	2544- 53-	24- 1-B	NG2G	28,320- 236-	60-10-B
Connecticut		K1VUT	119,428- 818-		K1JB	84,212- 569-	74-18-B	WA1GUV	1892- 43-	22- 1-A	W2DUN	26,680- 230-	58-16-A
K1TO	147,168-1008- 73-24-B	WA2TBA	108,624- 744-		WØROE	58,624- 458-					W2GKZ	24,360- 203-	60-10-B
K1RM	138.084- 933- 74-24-B	KIAM	93,660- 669-		W1KX	13,260- 130-		Western N	lassachusetts		W2KTF	21,004- 178-	59- 5-A
W1WEF	136,160- 920- 74-23-B	AAILIM	86,478- 609-		WB1GLH	5986- 73-		K1EA	155,490-1065-	73-24-B	W2AYJ	9696- 101-	48- 3-A
		AATHUM	79,520- 560-		K1BZ	360- 15-		KB1W	88,060- 629-	70-15-B	N2FBV	5852- 77-	38-21-A
K1XA	129,210- 885- 73-24-B		74,408- 524-		ICIDE.	000- 10-	12. 17.	N1CKW	34,450- 265-	65-11-A	K2HVN/M	3300- 50-	33- 2-A
W10D	104,160- 744- 70-24-A	1110110	71,070- 515-					WB1HIH	13,630- 145-	47- 4-A			
WIGNR	92,710- 635- 73-24-B		57,720- 481-		New Hampsh	iire		KV1W	5904- 81-	36- 9-A	Northern N	lew Jersey	
W1ECH	91,080- 660- 69-24-A		54,600- 390-		KM1C (W1PH, c	pr.)		K1IJU	750- 25-	15- 1-A	W2GD	156,584-1058-	74-23-B
K8HVT	89,180- 637- 70-21-B		48,326- 331-			120,012- 822-	73-22-A	KIIJO	750- 25-	10- 1-4	W2RQ	155,104-1048-	
K1DW	83,980- 646- 65-23-B		35,358- 249-		KA10	67,000- 500-	67-23-A	2			KZ2S	142,524- 963-	
W1BIH	74,000- 500- 74-12-B	KT10	31,842- 261-	61-11-B	W1JY	48,000- 375-	64-21-B	-			KY2P	129,794- 889-	73-24-A
N1CC	73,000- 500- 73-16-A	K1UCA	28,656- 199-	72-22-B	KA1JOD	26,908- 217-	62-18-A	Eastern N	ew York		KY2H	65,274- 473-	69-22-A
K1BV	69.759- 506- 69-15-B	K1CB	27,956- 241-		K1GQ	22,032- 216-	51- 3-B				WB2EZG	53,406- 387-	69-14-A
W1ACR	62,080- 485- 64-20-B	KQ1F	27,028- 233-		KB1T	17,496- 162-	54- 6-A	W2YV (KQ2N			KW4E/2	40.690- 313-	65-16-A
K1YRP	59,340- 430- 69-14-A	KCTF	26,520- 221-		K1TR	4940- 65-	38- 2-A		153,476-1037-		W2KWW	29,464- 254-	58-13-A
KG1D	56,592- 393- 72-14-A	NICHD	22,156- 191-		KA1LBM	3024- 54-	28-16-A	K1ZM	133,200- 900-		WAZASQ	26,130- 195-	
		KAIDWA	16,128- 168-		W1UCI	2208- 48-	23- 4-A	K2SX	115,884- 783-	74-19-B	W2TI	20,900- 190-	
WA2WIP	46,766- 349- 67-12-A		13,000- 130-					W2ARQ	84,140- 601-	70-24-B	KC2GE	19,720- 170-	
KB1H	39,600- 300- 66-12-B		12,220- 130-		Rhode Island			K2UF	54,940- 410-	67-19-A	KŻJT	10,492- 122-	
K1NYK	37,430- 305- 63-10-A		11,610- 129-		2007 9 92 77 77 78 78			WA2STM	51,876- 393-	66- 9-A	KT2D	9990- 111-	
WB9IHH	21,114- 207- 51- 4-B		9072- 108-		K1IU	81,840- 620-		W2DW	48,008- 353-	68-10-B	WAZUDT	9644- 116-	
W1PMR	20,800- 200- 52- 9-A		8320- 65-	64-16-A	KM1X	81,216- 564-		W2LMO	41,730- 321-	65-23-A	K2VX	1764- 42-	
KA1CV	18,100- 181- 50-24-A		. 7826- 91-		K1VSJ	24,888- 204-		AA2Y	22,260- 210-	53- 9-A	NZVA	1704- 42-	21- 1-A
K1CC	13,892- 151- 46- 2-B		6336- 72-		W1RFQ	2888- 38-		N2ETF	17,582- 145-	59- 6-A	Cautham I	dam laware	
W1HV	13,112- 149- 44- 7-A		5250- 75-		KM1G/1	950- 25-		WA8MAZ	3648- 57-	32- 1-A		New Jersey	
KW5E/1	11,868- 129- 46- 6-A		4760- 68-	35- 6-A	W10P (N1s AK			N2EKS (+W			K2YY	123,432- 834-	
K1WA	9384- 102- 46- 4-A		3782- 61-			ML, WA1s JH	/, RKL,		90,958- 623-	73-22-A	N2MM	101,500- 725-	
WB1DQT	3304- 59- 28-13-A	W10PJ	1044- 29-		TAQ, KA6CP			KW2D(+KC			WA2VYA	99,572- 682-	73-22-B
KA1DBK	1936- 44- 22- 7-A	KA1LON	2- 1-	1- 1-A		26,724- 262-	51-17-A		72,660- 519-	70-21-A	W2PAU	54,740- 391-	70-16-B



This was the first November SS for KA9000. John operated phone from Illinois.



KK9W/VE4 enjoyed operating CW from the VE4UM clubroom. Note the easy access to the refrigerator from the operating position. (photo by KX9G/VE4)



Mitch, WB2JSJ (left), operated phone and Jay, KT2E, operated CW, winning VT on both modes from WB1GQR.

John ope	erated phor	e from I	Ilinois.		by KX9G	i/VE4)			me	odes from	WBIGO	JK.		
N2RF	39,060- 310-	63-14-A	Western Pen	nsylvania		K4XU	98,420- 665-	74-16-A	N5EG	69,420- 534-		Los Angeles		
K2HPV	33,020- 254-	65- 9-A	K3LR	162,948-1101-	74-24-B	N4TG	89,712- 623-	72-23-B	KV5Y	65,240- 466-		W6UE (WA6OT		
NC2V NF2C	21,924- 203- 11,960- 130-	54-10-B 46-14-A	KF3M	112,712- 772-	73-22-A	K3CQ K4OAQ	88,560- 615- 86,762- 611-	72-24-B 71-20-A	W1AEL NA5F	50,432- 394- 33,600- 280-			101,178- 693-	
W2BLV	11,336- 109-		K3VK	105,552- 733-	74-24-A	WM4Z	74,606- 511-		W5AH	24,860- 226-		N6HC	59,840- 440-	
N2EZ	8160- 102-		K3MC W3GNR	81,082- 571- 64,224- 446-	71-24-A 72-21-A	AA4DO	59,340- 430-	69-18-A	KD5PJ	22,642- 202-		NE6I K6EID	51,322- 383- 37,398- 271-	67- 8-B 69-21-A
W2GND	4320- 54-	40- 4-A	N2MA/3	60,480- 432-		NF4F	25,194- 221-	57-10-A	KB5UL	20,460- 155-	66- 8-A	W6OES	7392- 88-	
W2EA	2448- 72-	34- 3-A	KG3V	59,616- 414-	72-18-A	AA4DL	16,660- 170-	49-10-A	AA5C	12,096- 126-		N6AA	6438- 87-	
AB2Y (WA2V)	YA, opr.) 9- 3-	3- 1-B	W3HDH	24,800- 200-	62- 4-B	W4FLW K4XO	7030- 95- 1200- 25-	37-10-A 24- 1-A	KA5PVB KA5W (+ KM5X	468- 18-	13- 8-A	WB6DIB	4466- 77-	29- 7-A
	9- 3-	3- I-D	WA3WAW	17,760- 148-		NANO	1200- 23-	24- I-A	KAUT (T KINDA	129,796- 877-	74-24-R	WB6QLM	2494- 43-	
Western Ne	ew York		W3NGO KA3GXP	10,944- 114- 1900- 50-	48- 6-A 19- 3-A	Virginia			N5RM (+ K5MM	M)		WA6HQS	532- 19-	14- 5-A
W2TZ	104,448- 768-	68-18-A	K3UA (+ W2UP		15- 3-A	AA4FF	107,004- 723-	74-24-A		121,180- 830-	73-24-B	Orange		
W2CXM (AG1				118,406- 811-	73-19-B	W4MYA	100,156- 686-	73-17-A	KM5R (+ KA5F NE5V)	SJ, KA5LAQ, N 75,776- 512-	ISHHE,	K7JA	136,456- 922-	74-24-A
Karron	88,704- 616-		WB3KKX (+ N8			K2NA	94,900- 650-	73-24-A	KC5EA (+ N5A		74-10-B	KZ6E	129,352- 874-	
K2MQY W2HPF	64,400- 460- 63,900- 450-	70-21-A 71-13-B		72,520- 490-	74-16-B	W4YE WC4B	90,520- 620- 89,280- 620-	73-19-A 72-24-A		75,336- 516-	73-10-B	NX6M	18,444- 174-	
WA2FQE	35,768- 263-		4			KG4W	78,108- 566-	69-24-A	NN5E (+ KC5D	X)		K6HRT W6XD	14,500- 145- 4544- 71-	
NA2Q	31,034- 263-	63-14-A				K4PQL	74,528- 548-	68-12-B	VDEUT / . VME	73,432- 548-	67-22-B	VVOAD	4544- /1-	32- 2-A
WB2YQH K2XU	29,200- 200-		Alabama	1		K4BAM	64,610- 455-	71-20-A	KB5UT (+ KM5	54,270- 405-	67-20-A	Pacific		
W2FXA	28,800- 240- 27,690- 195-		K4GSK	42,228- 306-	69-15-A	N3OS K4FPF	56,280- 420- 52,026- 377-	67-17-A 69-17-A	NASS (+ KESC)	V)		AH6AZ	38,870- 299-	65-16-B
W2HG	25,376- 208-		N4KG (KC4ZV,		74.04.0	KX4V	50,544- 351-	72-13-A		52,932- 401-	66-14-B	KH6SP (WB3H)	/S, opr.)	
KK2B	23,364- 198-	59-12-A		140,748- 951-	74-24-B	K4JSI	46,860- 355-	66-16-A	Oklahoma				17,496- 162-	
W2GT	18,370- 167-		Georgia			AA6DX	41,080- 316-	65- 9-A			2.002	AH6EK KJ9W/KH2	600- 20- 390- 15-	
WA2PNQ KA2OUO (+ K	7020- 90-	39- 6-A	K4BAI	135,124- 913-	74-24-B	KA4RLJ K4OD	37,572- 303- 36,680- 262-	62-13-A 70- 8-B	N5CG KM5H	126,522- 891- 112,332- 759-		NJSWINIZ	390- 13-	19- 1-0
KA2000 (+ F	74,620- 574-	65-24-B	WB4UIH	48,642- 363-	67-17-B	K4JM	36,224- 283-	64- 6-A	K7CW	74,906- 559-		Sacramento	Valley	
KW2J (+ W2I	IMO)		K4UEE K4JPD	22,538- 191- 22,400- 200-		WD4ELJ	34,020- 270-	63-14-A	KO9X	10,164- 126-		Al6V	117,530- 805-	73-24-B
	66,500- 475-		W4MM (N4FD,		DD- D-M	WB4LNT	33,040- 280-	59-16-B	NØIN (+W3AS)			AJ6V	116,362- 797-	73-23-B
W2OW (N2HF	R, NE2W, N6IN, o 24,522- 201-	prs.)		17,928- 166-	54- 3-A	KA4ERP K4FJ	21,576- 186-	58-11-A 52- 5-A	VECM (. NEWA	75,482- 517-	73-11-B	W6TPH	101,908- 698-	
	24,522- 201-	01-10-B	N4UZ	16,524- 153-		N3MA	15,264- 159-	48-12-A	K5CM (+ N5KW	20.020- 182-	55. R.R	KV6H N6GG	101,380- 685- 98,988- 678-	74-23-B 73-24-A
			WB4DPM	12,500- 125- 12,384- 129-		K4TM	8200- 100-	41- 2-A		Contract the	00 00	KF6A	60,166- 449-	
3			NQ4I KI4Y	9212- 94-	48- 6-B 49- 7-A	K4DHB			Southern Tex	kas		W6EGX	35,742- 259-	69-14-A
Delaware			KI4RE	8712- 99-	44-14-A	K4IX (+ N4BRA	Warjl, Wahi		N5JJ	163,984-1108-		W6YKM	34,710- 267-	65- 4-B
K3WUW	114,108- 771-	74-21-A	AA4GA	5180- 70-	37- 2-A	WI4B (+ WB4W	80,496- 559-	72-24-A	K5GN	160,728-1086-	74-24-B	NB6G K6BPB	32,596- 281-	
KQ5G	60,720- 460-		W4AQL (N4CXF			***************************************	45,136- 364-	62-19-A	K5LZO NA5R	158,656-1079- 150,664-1018-	74-24-B	N6JM	30,660- 256- 24,780- 210-	
				23,184- 207-	56-10-A				N5DU	150,368-1016-	74-24-B 74-24-B	K6SG	17,496- 162-	54- 4-B
Eastern Per	nnsylvania		Kentucky			5			NR5M (NM5M,	opr.)	14240	N6CHU	17,490- 159-	55-16-A
KH6CP/3	98,112- 672-		N4TY	121,978- 859-	71-24-B				terrer.	144,540- 990-	73-24-B	W6NKR	16,864- 136- 14,700- 150-	
KJ7K WA3JLD	76,452- 554-	69-24-A	K4FU	99,752- 674-	74-22-B	Arkansas			KN5H K5TSQ	121,472- 832-	73-23-B	N6ESV NU6O	8600- 100-	
K3TX	74,340- 531- 68,608- 512-	67-15-B	WM4T	96,360- 660-	73-24-B	K5GO	162.208-1096-	74.24 B	KG5U	119,140- 805- 117,384- 804-	74-17-B 73-22-B	WD6EIW	840- 30-	14- 7-A
КСЗМ	66,528- 462-		K3PI WB4FOT	89,180- 637- 89,060- 610-	70-24-R 73-24-A	W5KL	21,816- 202-		K5WA	111,836- 766-	73-19-B	NEGJC	120- 10-	
WA3GLX	60,166- 449-	67-16-A	WB4PRU	87,552- 608-	72-20-B	K5FUV	11,776- 128-		K2TNO	108,144- 751-	72-17-B	Can Diana		
K3DTD	55,488- 408-	68-16-A	WA4LSD	48,720- 406-	60-16-A	W5JE (WAØVJI			W5ASP	104,192- 704-	74-24-B	San Diego		
K3OX	54,912- 416- 54,808- 403-		KF4AV	41,844- 317-		W4OGG/5	3720- 62- 1500- 30-	30- 2-A	K3ZMI K5TU	80,884- 554- 73,730- 505-	73-22-A 73-13-A	W6YA (N6TJ, o		74-24-B
N2EY/3	48,512- 379-	64-17-A	W4PDZ WA4JAV	12,936- 147- 11,172- 133-			, AE4W, K5SVS,		NJ50	61,344- 432-	71-19-A	NI6W	147,112- 994- 139,416- 942-	
K3WW	43,400- 310-	70- 8-B	N4XM (+ KD4U)	42- U-A	KB5QL, KC5	ZV, WA5VVT, W	VB5LRP,	W5SG	61,060- 430-	71-16-A	N6ND	93,440- 640-	
W4UQ	38,780- 277-			101,376- 704-	72-21-B	WD4BIV)	55,614- 403-	69-21-B	W5HNS	57,960- 414-	70-16-B	AA6EE	39,942- 317-	
AG3G N3CXB	37,820- 305- 33,184- 244-		AA4RX (N4JLU,		22.2.2	Louisiana			KC5CP WB5UCL	39,054- 283- 38,400- 300-	69-17-B 64-12-A	W6JXA	33,408- 261-	
W3ARK	32,890- 253-	65-10-A		94,024- 644-	73-24-A		450 000 4000	71010	AD5Q	37,332- 306-	61- 5-B	WB6FHK W6JVA	27,240- 227- 9720- 108-	
WA3MVP	30,800- 275-	56-11-B	North Carolin	na		K5GA K5MC	153,328-1036- 86,724- 594-		K5DX	29,524- 242-	61- 8-B	K6ZH	4160- 65-	
W3ADE	28,556- 242-		AA4NC	106,856- 722-	74-22-A	W5WG	44,240- 316-	70-21-A	W5NR	29,440- 230-	64-11-B	KE6PY (+WB6	OTO)	
N3KR W3CNS	27,280- 220- 27,032- 218-		N4KMY	105,704- 724-	73-24-B	KA3BER/5	40,040- 308-	65-12-A	W5VX KK8L	23,744- 212- 20,720- 185-	56- 4-B 56- 5-A		31,000- 250-	62-14-A
WASYON	23,836- 202-		NK4Q	43,056- 312-		N5ATW	6624- 92-	36- 3-A	WB5GMB	7650- 85-	45-10-A	San Francisc	0	
W3EFY	20,900- 190-	55- 8-A	K4JEX W4HWT	22,990- 209- 13,188- 157-		Mississippi			K5CI	1232- 28-		W6BIP	97,680- 660-	74.18.B
KB3JK	19,936- 178-		KB4FWU	912- 24-	19- 2-A	.W5VSZ	73,700- 550-	67-12-B	WD8DKJ/5	384- 16-	12- 2-A	WA6AUE	91,022- 641-	71-24-B
KO3N KB3GL	19,928- 188- 12,250- 125-	53- 9-B 49-13-A				AE5H	42,600- 300-	71-14-A	KZ5M (+ K5VW)	138,972- 939-	74 24 D	W6JTI	74,124- 522-	
W3KV	11,766- 111-		Northern Flo			W5UO	29,056- 227-	64-11-A	K5GB (+ KA5QA		14-24-0	K6LRN	50,796- 354-	72-15-A
N3CZB	10,200- 100-	51-12-A	NX4N K4XS	144,144-1001-		N5XA	9600- 100-	48- 3-A		65,320- 460-	71-18-B	San Joaquin	Valley	
KS3F	8820- 105-		N4SA	123,808- 848- 120,916- 817-	73-24-A 74-17-B	New Mexico			KN5A (+ NR5M)	F7.00:	00.46.7	WC6H	141,036- 966-	73.24 B
W3CEI W3HMR	6916- 91- 5412- 82-	38- 4-A 33- 8-B	K4VRT	38,052- 302-		AI9X	106,416- 739-	70.04 B		57,664- 424-	68-18-B	N8BJQ	52,272- 363-	
N3BNA	3172- 61-		WC4E	32,492- 246-		KT5X	105,416- 739-	72-24-B 73-22-A				W6SX	12,780- 142-	
W3FAF	1400- 35-		W4WKQ	22,288- 199-	56-12-B	K7UP	89,424- 621-		6			WC6U ·	12,220- 130-	47-11-A
			KA4YIW	10,656- 111-	48-15-A	KI3L	28,320- 240-					KA8UOC/6	50- 5-	5- 2-A
Maryland-D			South Carolin	na		Marthau To			East Bay			Santa Barbar		
W3LPL	159,544-1078-		AE4Y	95,460- 645-	74-21-R	Northern Te				153,476-1037-		W2KVA/6	76,396- 538-	71 01 D
K3ZO	138,232- 934-		N4WL	56,414- 421-		N5AU (K5ZD, c	pr.) 173,302-1187-	70.04.0		114,996- 777-		WA6FGV	58,344- 429-	
K3NA KA1GD	136,510- 935- 128,168- 866-	74-22-P	N4EE	30,988- 254-	61-18-A	K5RX (N5RZ, o		73-24-B	K6HIH W6OSP	85,120- 608- 75,740- 541-		W6TKF	34,944- 273-	
K3ZZ	115,778- 793-	73-24-B	Southern Flo	rida		110112, 0	163,836-1107-	74-24-B	VE2AQS/W6	64,610- 497-	65-15-B	WA5VGI	25,420- 205-	62-16-B
КЗТМ	112,420- 770-	73-24-A	K1ZX/4	145,780- 985-	74-24-D	K5MR	157,620-1065-	74-24-B	AA6UO		68-12-A	NS6X	2912- 52-	28- 5-A
KC3X	87,264- 606-		K1SSH	81,736- 601-		KN6M/5	135,124- 913-	74-24-B	K2GMY	49,680- 360-		Santa Clara	Valley	
W3HVQ K2ITG	77,560- 554- 73,584- 511-		WD4AHZ	68,018- 479-	71-24-A	K5RR (NR5K, d	pr.) 121,212- 819-	74-24-B	N6EK K6PJY	49,128- 356- 42,880- 335-		W6XX	156,732-1059-	74.22 P
W3UJ	63,758- 449-		K4MF	58,646- 413-	71-20-A	N5JB	114,256- 772-		K6MBV		62-20-A	N6TV	143,664- 984-	73-24-B
N3AM	58,290- 435-	67- 8-B	KW1K	43,344- 344-		WA7RKJ	103,806- 711-	73-24-A	K6CSL	32,452- 266-	61-23-A	K6XO	133,298- 913-	73-24-B
W3EE	34,580- 266-		N5FIY/4 KO4D	32,256- 252- 31,964- 262-		K5KJ	103,230- 698-		AK6T	17,596- 166-	53- 9-A	N6AUV	129,500- 875-	74-24-B
W3FG	33,428- 274-		N4GVT	15,582- 147-		W9PL/5	102,098- 719-		NB6L	8800- 100-		NU6S	127,576- 862-	74-24-B
WB3BRF K3SA	30,240- 240- 11,610- 129-		N4KB	128- 8-		K5NW K4VUD/5 (KY5)	92,856- 636-	/3-14-B	W6BSY K6ARE	8800- 100- 2900- 50-		AA6T (SMØDRE	, opr.) 120,815- 865-	72.24.D
WA3VPL	9600- 120-	40- 6-A	T			144 30/3 (1413)	89,206- 611-	73-24-B	K6SIK	756- 21-	18- 3-A	W6SZN	116,920- 790-	
W3FA	9348- 123-	38- 3-A	Tennessee	0.00	Dordon Co.	KE5C (WB5VZI	_, opr.)		KB6CDP	476- 34-	14- 4-A	N6MG (KD6PY,	opr.)	
N3RL	2800- 56-	25- 2-B	N4ZZ	154,216-1042-		KIMED	84,420- 603-		K6ZM (+ N6OP)	440.004 705	74.04.5	Nevi	114,108- 771-	
W3FQE	264- 12-	11- 1-B	K4LTA	131,838- 903-	13-24-B	KW5P	81,696- 552-	74-24-A		113,664- 768-	74-24-B	N6XI	112,184- 758-	74-19-B

N6SJ 98,124- 663- 74-24-A	W7BYK 6600- 100- 33- 5-A	KC8F 2500- 50- 25- 6-A	W9HE 39.910- 307- 65-10-A	KOMPU
W6IO 87,764- 593- 74-23-A	K7WA 2070- 45- 23- 1-A	KC8F 2500- 50- 25- 6-A WB8JBM (KC8s MK, XK, KW8N, N8s	W9HE 39,910- 307- 65-10-A K9GDF 35,620- 274- 65- 5-A	KØMPH 51,348- 389- 66-13-A KØVW 41,990- 323- 65-14-A
N6NE 85,968- 597- 72-19-B	W7DRA 330- 15- 11- 4-B	ATR, DCJ, DMM, WD8IJP, oprs.)	W9GMV 35,518- 301- 59-10-A	WØTIV 23,760- 198- 60- 7-A
WB6DSV 78,256- 536- 73-17-A N6RZ 68,880- 492- 70-19-B	KC7YE 140- 10- 7- 2-A KE7C (+WB7OJV)	150,088-1028- 73-24-B W8LT (NZ4K, KA3GZS, WD8LXX, KD8NS,	N9EJL 29,768- 244- 61-11-B KW9E 22,680- 210- 54-11-A	NØBSH 22,040- 190- 58- 4-B WØYHE 20,160- 180- 56-13-A
N6ZB 66,220- 473- 70-19-A	113,472- 788- 72-24-B	oprs.) 120,768- 816- 74-23-B	KB9W 21,504- 192- 56- 6-A	WAØWWW 7800: 100- 39- 3-A
N6CQ 64,232- 434- 74-17-B WC6I 60,620- 433- 70-20-B	KT7G (+ K7LXC) 105,120- 720- 73-24-B	W8UPD (KA8HVZ, WD8RDW, oprs.)	WA9TZE 18,126- 171- 53- 5-A	KAØTII 108- 9- 6- 9-A
N6NF 57,856- 452- 64-10-A	NØAX (KA7THJ, KA7DGV)	34,000- 250- 68-14-A W8YX (NI8S, KA8UUB, oprs.)	K1TMM 16,324- 154- 53-11-A WB9HGS 14,504- 148- 49-12-A	WBØHRX (+ WBØFBN) 71,016- 538- 66-18-B
K6OMB 52,576- 424- 62-17-A	78,336- 544- 72-24-A	2236- 44- 26- 3-A	KD9GS 14,400- 150- 48-15-A	
AD6E 50,922- 369- 69-14-A NS6V 43,810- 337- 65- 9-B	Wyoming	W8DXT 1536- 32- 24-15-B	K9KR 8858- 103- 43- 7-B	Missouri
N6OM 41,480- 305- 68-14-B	WA8MAM 108,040- 730- 74-24-A	West Virginia	K9OSC 7548- 102- 37- 4-A KD9ET 5250- 75- 35-10-A	K4VX (KRØY, opr.)
N6QW 32,004- 254- 63- 8-B	NC7O 11,374- 121- 47-12-A	N8II (KC8C, opr.)	WB9IXS 2900- 50- 29- 1-B	* 169,608-1146- 74-24-B KMØL 136,752- 924- 74-24-B
W6KZJ 30,504- 246- 62-15-B W6CF 8600- 100- 43- 2-B		136,224- 946- 72-24-B	K9BED 2350- 47- 25- 7-A N9EZ 2288- 44- 26- 1-A	KØRWL 113,960- 770- 74-24-A
K6AYB 8160- 102- 40-15-A	8	KD8G 115,632- 792- 73-24-A KB8FJ 22,000- 200- 55- 4-B	N9EZ 2288- 44- 26- 1-A W9KHH 1848- 44- 21- 3-A	WØHBH 105,080- 710- 74-24-A KS7T 83,300- 595- 70-21-B
K6MA 1404- 39- 18- 1-A	Michigan	KB8FJ 22,000- 200- 55- 4-B	WB9AZH 572- 22- 13- 3-A	KS7T 83,300- 595- 70-21-B NØEVC 55,440- 440- 63-17-A
WA6AZP 1224- 34- 18- 6-A KB6FPW 374- 17- 11- 6-A	K8CC 146,964- 993- 74-24-B		WØAIH/9 (KØS FVF, TG, KMØO, WØHW, WAØRBW, oprs.)	KØDEQ 52,220- 373- 70-10-B
KB6WP 128- 8- 8- 2-B	WA8RRR 136,604- 923- 74-24-B W8UA 89,280- 620- 72-14-B	9	132,312- 894- 74-24-B	KMØR 37,760- 295- 64-12-B AKØM 14,382- 141- 51- 4-A
N6BT (+ WA6VEF) 165,316-1117- 74-24-B	W8UA 89,280- 620- 72-14-B K8MW 87,746- 601- 73-23-A	Illinois		WDØARX 11,856- 114- 52-12-A
100,010-1117- 74-24-0	W8VPC 79,200- 550- 72-20-B	Illinois K9GL 125,504- 848- 74-24-A	0	KAØP 3000- 50- 30- 2-A
	W8RC 70,148- 494- 71-11-B KS8Q 63,420- 453- 70-24-B	K9GL 125,504- 848- 74-24-A K9ZO 122,688- 864- 71-24-B	Colorado	WØEEE (KAØRBL, WBØYKG, oprs.) 15,000- 150- 50-13-B
7	KN8P 61,060- 430- 71- 8-B	KM9P 118,002- 831- 71-24-A		
Alaska	K8RDJ 57,120- 408- 70-22-B	K9BG 107,494- 757- 71-19-B K2PLF 99,968- 704- 71-23-A	N2IC 166,352-1124- 74-24-B KØRF (WØUA, opr.)	Nebraska
7.110.110	K8SIA 52,578- 381- 69-12-B KO8M 48,888- 388- 63-21-A	K9JU 97,920- 680- 72-23-A	163,984-1108- 74-24-B	KØSCM 106,704- 741- 72-21-B KVØI 93,660- 669- 70-22-A
KL7UR 17,920- 160- 56-20-B	K8OT 47,196- 342- 69-20-B	N9NA 96,792- 654- 74-20-A	WØYK 159,100-1075- 74-24-B KCØD 123,408- 857- 72-24-B	KVØI 93,660- 669- 70-22-A KØSW 11,340- 126- 45- 8-A
AL7BK 10,868- 143- 38-13-A	K8CV 44,144- 356- 62-20-A	N9EP 94,176- 654- 72-22-A WB9JKI 76,728- 556- 69-19-A	WØIJR (KØEU, opr.)	
AL7CQ 5100- 75- 34-10-B WB6CEC/KL7 4806- 88- 27-12-A	W8TJQ 41,610- 285- 73-16-A KA8NCR 39,296- 307- 64-13-A	WD9GYX 47,916- 363- 66-16-A	119,732- 809- 74-24-A	North Dakota
	N8CQA 32,860- 265- 62-15-A	N9CW 47,388- 359- 66-15-A	WØKEA 108,484- 733- 74-24-A ADØO 94,998- 669- 71-24-A	KKØQ 20,458- 193- 53- 8-A KØFRP 6625- 92- 36- 3-A
Arizona	NJ8M 31,808- 284- 56-11-A	WAØAVL 46,230- 345- 67- 9-A KA9QYA (K9BQL, opr.)	NIØE 92,862- 693- 67-18-B	WØLHS 4416- 48- 56- 4-A
K7OX 143,560- 970- 74-23-B	W8EGI 31,360- 245- 64-11-B K8DD 30,210- 265- 57- 6-A	45,152- 332- 68-15-A	WØETT 87,408- 607- 72-22-A	
KY7M 120,472- 814- 74-24-A W7ZMD 83,512- 572- 73-20-A	K8JLB 22,686- 199- 57- 6-A	W9QWM 33,604- 271- 62-15-A	KB3EI (WB7CFL, opr.) 87,220- 623- 70-23-B	South Dakota
W7FGT 78,256- 536- 73-24-B	WA8VEB 22,464- 208- 54- 6-A	K9WA 32,026- 239- 67- 5-A NA9O 30,996- 246- 63-20-A	WØCP 85,492- 638- 67-14-A	KØJV 35,464-286-62-14-A KØVVY (KAØIXX, KBØQA, KDØGV,
N7CIX 77,928- 573- 68-19-A	WA8YPY 19,764- 183- 54-14-A KD8TM 10,600- 106- 50- 6-B	K9PPW 28,800- 225- 64-11-A	KØBN 82,656- 574- 72-20-B	NØFLZ, WDØs CXU, HFK, oprs.)
N7CW 69,000- 500- 69-12-A W7YS 58,504- 412- 71-16-A	W8TKW 8190- 117- 35-10-A	K9BGL 27,348- 258- 53- 5-B	KØZX 82,416- 606- 68-14-B ACØS 73,220- 523- 70-13-B	123,432- 834- 74-24-B
KC7V 56,560- 404- 70-17-A	W8PVI 8008- 91- 44-10-A	K9UQN 27,028- 233- 58- 7-A W9HBI 25,850- 235- 55-10-B	W1XE 70,858- 499- 71-18-A	VE
KA7TCI 39,942- 317- 63-23-A	N8BTU 5332- 86- 31- 7-B AD8W 900- 30- 15- 3-A	WB8RFB 24,300- 225- 54-13-A	KJØG 68,740- 581- 70-22-B	
N7CPL 20,412- 189- 54- 6-A	KD8QK 816- 24- 17- 4-A	WB9OEP 23,896- 206- 58-13-A	KSØE 61,230- 471- 65-24-A NØCNV 54,786- 397- 69-19-A	Maritime-Newfoundland
Idaho	K8JRK (+ K8JM, KT8Y, K8FC)	W9ZEN 21,950- 175- 57-10-A W9REC 14,640- 120- 61-10-A	KRØU 43,776- 342- 64-17-A	VO1QU 38,556- 357- 54-18-A
K7QD 124,704- 866- 72-23-B	102,200- 700- 73-23-B KA8POG (+WB8VYN)	AK9Y 12,382- 151- 41- 6-A	WØRSG 30,500- 250- 61-12-A	VO1QST (VO1AW, opr.) 29,500- 250- 59- 9-B
W7ZRC 107,164- 734- 73-23-A AD7L 28,644- 231- 62-16-A	12,728- 148- 43-24-B	KB9PC 12,298- 143- 43- 4-A	WØRLX 28,672- 224- 64-10-A NØST 20,416- 176- 58- 5-A	VE1BEI 17,808- 159- 56-11-A
AD7L 28,644- 231- 62-16-A WB7TJI 17,172- 159- 54- 8-A	K8DAC (KY8C, K8CQF, N8FAU,	KA9OYT 9102- 111- 41- 9-A WA9MRU 8988- 107- 42- 3-A	WØSG 13,303- 126- 53- 5-A	
	oprs.) 2550- 51- 25- 4-A	N9DQK 7920- 90- 44-12-A	A18Z/Ø 9030- 105- 43- 4-A	Quebec
Montana	Ohio	W9AGM 2100- 50- 21- 2-A	WØIZV 4992- 64- 39- 6-A K9MWM 1600- 32- 25- 7-A	VE2AQP 53,064- 402- 66-19-B
KS7T 83,300- 595- 70-21-B KØPP/7 73,730- 505- 73-21-B	K8NZ 138,132- 934- 74-24-B	AC9C (+ NA9D) 144,540- 990- 73-24-B	KØUK (+ KD7EY, NØZA)	Ontario
WAØSDE 2100- 4225- 8-A	W8FN 132,312- 894- 74-24-B KU8E 127,872- 864- 74-24-B	K9LJN (+AK9N, KU9G, NA9J)	109,372- 739- 74-24-B	VE3IRF 67,160- 460- 73-23-A
Navada	W8LNO 125,800- 850- 74-22-B	80,660- 545- 74-24-A N9AX (+ KG9Z)	WBØITG (+ WBØMZT) , 1820- 35- 26- 4-A	VE3QST (VE3OT, opr.)
Nevada	K1LT 123,136- 832- 74-20-B	45.126- 327- 69-23-A		55,752- 404- 69-24-B VE3CWE 21.252- 161- 66-10-B
WA7NIN (W6OAT, opr.) 168,128-1136- 74-24-B	WD8IXE 114,700- 775- 74-23-B K8EE 102,816- 714- 72-23-A	WA9AWO (+ KA9P, KK9C, N9s BMA,	lowa	VE3DAP 10,082- 71- 71- 5-A
NF7P 143,136- 994- 72-23-B	KV8Q 96,944- 664- 73-24-A	DMT, WB9TBu, WD9HZF) 29,700- 225- 66-21-A	NØGA 134,320- 920- 73-24-B WØEJ 130,962- 897- 73-24-B	VE3OMU 9064- 103- 44-18-A VE3ART (VE3s ABG, GAS, QB, oprs.)
Oregon	N8ET 96,652- 662- 73-22-B K8AZ 85,556- 586- 73-24-A	23,700- 223- 00-21-4	KFØH 128,188- 878- 73-22-B	116,480-1164- 70-21-B
W7NI (N6TR, opr.)	K8AZ 85,556- 586- 73-24-A KA8ETK 80,454- 583- 69-24-A	Indiana	KØLUZ 109,908- 774- 71-24-A	
170,528-1168- 73-24-B	K3JT 80,088- 564- 71-24-A	W9RE 150,664-1018- 74-24-B	KØJGH 99,504- 691- 72-24-B NGØW (KJØD, opr.)	Manitoba
AI7B 105,266- 721- 73-19-B	K8BL 72,940- 521- 70-18-A KR8Y 72,360- 540- 67-21-A	KE9I 114,108- 771- 74-24-B W9LT 106,992- 743- 72-23-B	96,912- 673- 72-24-A	VE4VV 56,100- 425- 66-17-A VE4AEX 22,774- 193- 59-23-A
K7KJM 88,340- 631- 70-24-A W7TC 57,552- 436- 66-23-A	WB8PHI 66,912- 492- 68-16-B	N8DE 94,868- 641- 74-20-B	KØIS 94,320- 655- 72-24-A KCØXK 65,548- 489- 66-20-B	KK9W/VE4 (+ KX9G, VE4s ALZ, AMC, IY,
W7YAQ 51,000- 375- 68-11-A	K8MR 63,000- 450- 70- 7-B	W9JOO 75,616- 556- 68-24-A K1FJ 56.440- 415- 68-24-A	KCØXK 65,548- 489- 66-20-B NEØP 44,238- 303- 73-24-A	RM, VE4UM club)
WB7UFJ 24,662- 209- 59-17-A	N8CSL 62,376- 452- 69- 9-B AD8P 59,714- 409- 73- 8-B	K1FJ 56,440- 415- 68-24-A W8UT 27,648- 216- 64-12-A	WB9IOG/Ø 22,800- 190- 60-12-A	88,060- 629- 70-24-B KSØT/VE4 (+ KKØC, KNØD, KZØI)
W7GUR 2352- 49- 24- 5-B AG7M (+ oprs.)	N8JR 58,368- 456- 64-17-A	W9QLW 17,700- 150- 59- 8-A	NØWA 5040- 72- 35- 7-B	58,072- 427- 68-23-B
116,800- 800- 73-21-B	WB8JAY 58,156- 434- 67-18-A	N9ACD 13,916- 142- 49- 7-A	WØJTC 3360- 60- 28- 4-A	Saskatahawan
	W8UPH 57,684- 418- 69-13-B W8IDM 56,440- 415- 68-17-A	KA9SAD 5544- 84- 33- 4-A W9CM 920- 40- 23- 1-A	Kansas	Saskatchewan
Utah	AA8S 56,064- 384- 73-14-B	KJ9D (+ KK9V)	KBØG 107,892- 729- 74-24-A	VE5AAD 19,950- 175- 57-12-A VE5AA (VE5s BAF, BBQ, BEL, GK,
K7EA 22,326- 183- 61- 7-A K7UM 20,000- 200- 50- 7-A	WB8RTJ 49,404- 358- 69-18-A	144,152- 974- 74-24-B	KØVBU 107,744- 728- 74-24-A N7DF 49.200- 410- 60- 8-B	ZU, oprs.) 46,800- 390- 60-18-A
20,000-200-30-7-4	K8DB 45,016- 331- 68- 7-B W8IQ 42,504- 322- 66- 9-A	N4FKF (+ KA9ORN, N9EUK) 34,596- 279- 62-20-B	WØAWP 33,356- 269- 62-23-A	Alberta
Washington	W8VQI 28,792- 236- 61-12-A		NØFMR 19,440- 180- 54-11-A	VE6CB 15,288- 147- 52- 8-A
W7RM (KB7G, opr.)	KF8K 26,426- 181- 73-20-A	Wisconsin	WAØCFZ 14,640- 240- 61-22-B WØYRN 7560- 90- 42-13-A	VE6BND 14,382- 141- 51-12-A
152,588-1031- 74-24-B K7LXC (W7WA, opr.)	N8EKS 20,412- 162- 63-14-A KS8S 19,764- 183- 54- 3-B	W1ZT 118,944- 826- 72-24-B W9XT 111,690- 765- 73-24-B	WØYRN 7560- 90- 42-13-A KFØM 2912- 52- 28- 3-B	
127,280- 860- 74-23-B	AF8C 19,030- 173- 55-13-A	W9XT 111,690- 765- 73-24-B W9OP 99,400- 700- 71-24-B	NØCLV 2000- 50- 20- 5-A	British Columbia
N7TT 120,768- 816- 74-24-A	W8TO (K8EM, opr.)	N9AW 97,090- 665- 73-22-A	WAØHWH 850- 25- 17- 4-B KAØITA 98- 7- 7-19-A	VE7QO 87,640- 626- 70-20-B
K7HBN 102,808- 724- 71-23-B W7BUN 89,562- 649- 69-24-B	18,032- 161- 56- 7-A W8ZD 15,600- 150- 52-11-A	W2WOE 90,312- 636- 71-22-B W9GHY 74,060- 529- 70-21-A	ABØS (+ KØWA) 122.932- 842- 73-24-B	VETYU 62,846- 469- 67-18-A VETIN 59,520- 465- 64-18-A
KR7G 73,780- 527- 70-19-B	N8FU 9000- 100- 45- 5-A	KZ9K 71,120- 508- 70-21-A		VE7ESN 20,682- 217- 54-24-A
KT7H 58,344- 429- 68-17-A	W8PN 8944- 104- 43- 6-A	N9KS 66,048- 516- 64-17-B	Minnesota	VE7DVV 15,158- 143- 53-20-A
W7LKG 53,170- 409- 65-21-B KS7L 39,432- 318- 62-20-A	KN8Z 8428- 100- 43- 4-B N8FCQ 5510- 95- 29-14-A	WA4TWB 56,304- 414- 68-18-A AJ9U 50,680- 362- 70-22-A	KØIJL 92,592- 647- 72-22-A K3WT 74,580- 565- 66-20-A	Yukon-NWT
WB7WUM 23,880- 199- 60- 9-B	WA2AZG 5112- 71- 36- 4-A	AJ9U 50,680- 362- 70-22-A WB9HRO 47,740- 385- 62-18-A	K3WT 74,580- 565- 66-20-A WAØQIT (NØEOB, opr.)	VE8QST (WA3PWL, opr.)
N7ETC 20,400- 200- 51-14-A	KB8WC 4292- 74- 29- 3-B	WA1UJU/9 47,616- 372- 64-17-A	74,244- 538- 69-21-A	63,758- 449- 71-19-B
N7EPD 10,906- 133- 41- 7-A	WA8BIN 3304- 59- 28- 2-A	N9CIQ 46,410- 357- 65-11-A	KØFZG 69,414- 503- 69-24-A	VE8JG 8720- 109- 40-11-A

Phone		
1		
Connectic	ut	
W1WEF	185,888-1256-	74-24-B
W10DY	110,538- 801-	69-23-B
K1RM	107,748- 738-	73-15-B
K1WA	94,856- 668-	71-18-B
KA1YR	84,700- 605-	70-18-B
K8HVT	78,798- 571-	69-17-B
KA1VC	75,624- 548-	69-15-B
KG1D	61,028- 418-	73-16-A
N1CC	58,220- 410-	71-13-A
K1NYK	57,200- 440-	65-12-B
K1BV	56,280- 402-	70-12-B
K1YRP	32,452- 266-	61- 9-B
W1ECH	18,800- 200-	47- 5-A

K1EM	18.156-	178-	51- 4-B
W1PMR	12,040-	140-	43-10-A
W1BIH	11,952-	83-	72- 4-B
WB8TDA	11,628-	153-	38- 6-A
K1DII	8712-	99-	44- 3-A
W1TKG	5312-	83-	32-10-A
WB1DQT	5162-	89-	29- 5-A
KA1JTH	4950-	75-	33- 9-B
KB1N	3416-	61-	28-10-B
AA2Z/1	2350-	47-	25- 1-B
K1IN	1900-	50-	19- 2-A
KH6WZ/1	1378-	53-	13- 4-A
K1KI (+W10	D)		
	176,806-	1211-	73-24-B
KB1H (K1GX,	WA1s DLP	HYN	, RLV,
oprs.)	107,640-	780-	69-19-B
K1DW (+ K1)			
	71,856-	499-	72-18-B

Eastern M	assachusetts	
K1VUT	140,420-1003-	70-24-B
N1AU	74,120- 545-	68-16-B
KQ1F	58,660- 419-	70-14-B
W1FM	58,650- 425-	69-16-A
WA2TBA	45,480- 379-	60-13-B
W1TR	42,194- 289-	73-14-B
KB1GN	27,260- 235-	58-12-B
KA1EKR	15,336- 142-	54-14-A
K5MA	12,986- 151-	43- 4-B
KA1IOR	12.852- 153-	42- 9-A
W3OD	8736- 112-	39- 4-A
KB1KM	7688- 62-	62-18-A
W1PLJ	6468- 98-	33-12-B
W1TUM	5372- 79-	34- 5-A
W1SR	4620- 70-	33- 3-A
WA1REI	3672- 68-	27-10-B
KC1F	3120- 60-	26- 1-B

K1AGM	1440-	36-	20- 5-A
K1UCA	1352-	26-	26- 5-B
KQ1V (+ KA1	KEO)		
	51,240-	420-	61-16-B
W1TKZ (K1s	BA, UR, KA	Is JW	E, IU.
KB1EB, N1	s ADY, CGF	, CPE	DEZ,
WITTY, W	A1YOJ, WB1	BUM.	
oprs.)	24,544-	208-	59-22-B
W1BK (K1TX	H, N1CW)		
	19,690-	179-	55- 9-B
Maine			
K1JB	75,600-	525-	72-15-B
N1AFC	13.416-	156-	43-10-A
KA1TJ	9200-	100-	46- 9-A
WB1GLH	270-	15-	9- 1-A

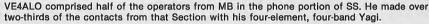
2128- 56- 19- 1-B 1786- 47- 19- 2-A

WA1EOT N1CRD

KB1CV (+ KA	A1OR)		
	52,536-	398-	66-21-B
KB1JF (+ KA	1s CNG, JG	F. W1	KX)
	27,702-	243-	57-16-A
New Hamp	shire		
KM1C (WB8	BTH, opr.)		
	136,368-	947-	72-24-B
AF1T	93,240-	666-	70-17-B
AK1K	50,694-	357-	71-21-A
KU2W/1	39,786-	349-	57-18-A
KA1CRP	10,944-	114-	48- 9-A
K1GQ	8400-	100-	42- 4-B
AC1J	7626-	93-	41- 5-A
W1UCI	2400-	50-	24- 5-A









Ernie, with his new call sign, VE7 "Great DX," was the top BC, low-power, phone station for the second year in a row.

Vermont WB1GQR

153,446-1051- 73-23-B 22,880- 260- 44- 9-B 13,200- 150- 44-10-A W1KQ W3SOH

N3ADQ		31,416-	237-	68-23-A
KV1W		26,640-	222-	60-13-A
N2CJJ/1		16,536-	156-	53- 8-A
WB1FXF		12,136-	148-	41- 9-A
N1CKW		10,904-	116-	47- 7-A
WB1EYL (+ KA	KVF)		
-		38,068-	306-	62-12-B

Eastern Ne	w York		
W2ARQ	93,832-	634-	74-24-B
WA2STM	86,940-	630-	69-16-A
KC2AG	75,624-	548-	69-24-B
K2UF	49,312-	368-	67-16-B
N2DRR	30,380-	245-	62-15-A
N2BFG	29,520-	246-	60-12-A
W2DW	27,022-	229-	59- 6-B
WA2ZWS (WE	32QEU, opr.)	
	13,456-	116-	58- 5-A
KD2IX	180-	15-	6- 5-A
WA2UKP (+V	VA2JQK)		

	13,456-	116-	58- 5-A
KD2IX	180-	15-	6- 5-A
WA2UKP (+V	VA2JQK)		
	87,448-	643-	68-22-B
KC2KK (+ KW	2D, WA2UY	(M)	
	52,632-	387-	68-16-A

New York City-Long Island KS2G 52,650- 405- 65-18-A

NG2G	32,745-	272-	59-10-B
K2SX	26,904-	236-	57- 5-B
K2RYI	7128-	99-	36-10-A
K2AU (N1EE	, opr.)		
	6400-	100-	32- 2-B
K2LJH	6232-	82-	38- 6-A
K2HVN	5916-	87-	34- 3-A
W2GKZ	5700-	75-	38- 4-B

Northern New Jersey

KC2GE	26,536-	218-	62-12-B
KB2ZQ	22,366-	211-	53-18-A
KC2GE KB2ZQ W2GD	17,952-	187-	48- 4-B
KW4E/2	7800-	100-	39- 5-A
N2WT (+ N2	CWC)		
	141,474-	969-	73-24-B
W2RQ (+ KS	1G)		
	41,520-	346-	60- 5-B
K2MFF (KA2	s QEI, RRR,	VLP,	N2BTJ,
W2VY, WA	2FYP, oprs.		
	38,072-	296-	66-24-A

Southern	New Jersey	y	
WA2VYA	112,752-	783-	72-23-B
KZ2I	72,144-	501-	72-24-A
NC2V	68,444-	482-	71- 7-A
WA2WJL	42,240-	320-	66-16-A
W2HRW	40,128-	304-	66-23-B
W2FGY	27,730-	235-	59-16-B
N2DMK	23,320-	220-	53-16-A
WA2LBT	12,576-	131-	48- 7-A
W2ORA	12,584-	143-	44- 7-A
N2EZ	8820-	126-	35-11-A
KA2KFO	7954-	97-	41-18-A
KD2AE	5776-	76-	38- 6-B
W2BLV	3290-	47-	35- 2-A
N2AWC	620-	31-	10- 2-A

Western New	York		
AF2K	63,000-	450-	70-22-E
NA2A	55,338-	401-	69-20-E
WA2PNQ	40,704-	318-	64-22-A
KB2NU	40,066-	299-	67-14-E
WB2SZY	26,432-	224-	59-12-A
WA2FQE	24,244-	209-	58-20-A
W2HG	22,236-	218-	51- 5-E
W2VDX	20,184-	174-	58-11-E
WA2WPI	15,300-	153-	50-13-A
WB2YQH	13,056-	96-	68- 8-A
MANII	11 050	100	40 4 5

W2FXA	9782-	73-	67- 7-A
NA2Q	7980-	95-	42- 4-A
KA2KDA	1598-	47-	17- 8-A
W2OW (K2OC,	KA2CDE, KI	B2KW	KD2GB,
N2HR, N6IN	, NE2W, W	A2GE	J.
WA3WKA, o	prs.)		

	96,740-	691-	70-23-B
WA2ZXS (KA	2s NIL, TWY	, KB3	RG, N2s
DLG, EUV,	FAO, FEC, N	13DLL	N5BGY
WA2TDN,	WB2HLY, W	D6CQ	V,
oprs.)	49,280-	352-	70-24-B

Doluttuio			
K3WUW	133,776-	929-	72-22-
N8NA	3640-	70-	26- 2-4
K2IQ/3 (K2OZV,	KA2s CFH	I, MTB,	KD2EE
KKs 2B, 2G, V	VA1LLC, V	VA2AZ	A, oprs.
	51,000-	375-	68-24-4
K3QIO (+ KA3L	LL, WB3L	LI)	
	31,374-	249-	63-23-4
K2GE/3 (WA2N)	XK, WB2s	ANM,	ONA,
K2GE/3 (WA2N			

11,088- 126- 44-14-A

Eastern Per	nnsylvania	1	
WA3SPJ	99,718-	683-	73-19-E
KS3F	94,080-	672-	70-19-E
WB3EMG	90,812-	622-	73-21-E
WB3FAA	70,488-	518-	68-18-E
KJ7K	61,880-	455-	68-19-4
W3IQS	59,780-	427-	70-18-A
KB3YJ	43,792-	322-	68-17-A
K3WW	39,468-	286-	69- 9-E
N3DRF	32,096-	272-	59- 9-E
W3ARK	30,134-	247-	61-11-4
K3TX	28,396-	229-	62-10-E
КСЗМ	27,336-	201-	68-10-A
W3EFY	25,546-	241-	53-13-4
N3BNA	20,880-	174-	60- 8-4
WA3YON	20,696-	199-	52-11-4
W3KOK	15,224-	173-	44-18-
KA3KTG/PA	14,382-	153-	47-13-A
KC3LY	12,314-	131-	47-15-A
KH6CP	6090-	87-	35- 2-E
KB3QI	5976-	83-	36- 4-4
AG3G	2006-	59-	17- 4-4
W3HMR	900-	30-	15- 2-E
N3CZB	552-	23-	12- 2-4
Maryland-D	С		

mary rand			
K3ZO	177,244-12	14-	73-24-1
K3ZJ	145,336- 9	82-	74-24-8
K3ZZ	137,900- 9	85-	70-24-8
KA1GD	134,784- 9	36-	72-15-8
K3NA	130,072- 9	16-	71-21-8
N3RL	116,920- 7	90-	74-17-
K2ITG	102,346- 7	01-	73-21-I
WA3EKL	80,208- 5	57-	72-24-
N3AOE	64,124- 4	46-	72-24-
W3DQI	46,364- 3	46-	67-17-
K4CGY	42,380- 3	26-	65-15-E
WB3BRF	36,836- 2	87-	64-19-
W3JPT	34,650- 2	75-	63-15-
K3TM	32,944- 2	84-	58- 7-E
KR3M	32,332- 2	74-	59-24-
W3FQE	26,280- 2	19-	60-15-E
K3ZNV	16,600- 10	66-	50- 5-E
KC3D	9438- 1	21-	39- 3-E
N3API	8200- 10	-00	41- 9-/
W3UJ	8024- 1	18-	34- 4-/
W3EVQ	5016-	76-	33-18-/
KN3T	2052-	38-	27- 1-8
W3GNQ (+ F	(3IU, KF3P)		
	156,140-10	55-	74-24-E
W3HVO (KA	RESH NOFER	onr	19

105,560- 754- 70-23-B

Western Pe	nnsylvani	ia	
WA3WAW	70,992-	522-	68-20-B
K3UA	43,112-	317-	68- 3-B
K3LR	12,330-	137-	45- 2-B
W2UP	9752-	106-	46- 2-A
W3QII	6916-	91-	38- 7-A
K3RYA	2700-	50-	27- 2-A
WA3PCX	696-	29-	12- 3-B
K3TUP (+ KJ	BL, N3BJ)		
The second	162,208-	1096-	74-24-B
WB3KKX (+ N	ISEKE)		
	78,144-	528-	74-13-B
W3GQ (+ N3A	ASF)		
	11,592-	126-	46- 3-B

4
Alabama
N4KG (KC4ZV, opr.)
220,816-1492-

Georgia K4JPD 182, K4BAI 149, W4MM (N4FD, opr.) 182,592-1268- 72-24-B 149,760-1040- 72-24-B

	147,898-1013	73-22-A
N4DVW	123,808- 848-	73-17-B
AA4GA	103,740- 741-	70-20-A
NN4K	70,584- 509-	68-14-B
KI4RE (KB4L	IT/AT, opr.)	
	36,332- 293-	62-19-A
WA4BSN	28,248- 204-	66-13-B
K4UEE	12,960- 135-	48- 2-B
KI4Y	6132- 73-	42- 5-A

KIAY 6132- 73- 42- 5-A W4AQL (KB4IHN, N3BLO N4s CXF, JVY, WA4ABY, WD4OLP, oprs.) 132,860- 910- 73-24-B

Rontucky			
AA4RX	111,328-	784-	71-16-B
WB4FOT	84,206-	593-	71-20-B
KI4DC	68,724-	498-	69-13-A
KF4ZY	34,404-	282-	61-20-A
N4TY	16,128-	168-	48- 4-B
WA4YOF (+	N4IWQ)		
	22,920-	191-	60- 6-B

North Car	olina		
N4KMY	126,000-	900-	70-24-E
K4JEX	76,734-	609-	63- 8-E
WD4SKH	42,642-	309-	69-17-A
KA1JTZ	15,204-	181-	42-16-A
WB4HRR	10,480-	131-	40- 9-A
N4KVF	8800-	100-	44- 7-A
Northern I	Florida		
KAYS	198 172	1339.	74.24.4

WA4JXI (WA	4SVO, opr.)	
	170,09C · 1165-	73-24-B
KQ1Y	167,170-1145-	73-24-B
N4SA	145,854- 999-	73-17-B
WC4E	131,400- 900-	73-19-A
NU4Y	120,912- 916-	66-16-B
W4IIR	35,500- 250-	71-18-B
W4WKQ	30,996- 246-	63-11-B
N4BP	22,000- 200-	55- 5-A
N4MS	19,920- 166-	60-10-B

South Carolina

N4DT	75,460-	539-	70-14-B
WD4EOG (W	A1MKE, opr	.)	
	50,552-	356-	71-21-A
K4ADI	41,990-	323-	65-14-A
WA4JJZ	32,240-	248-	65-19-A

Southern Florida

K1ZX/4	118,800-	825-	72-13-B
WA4FSP	72,940-	521-	70-24-A
WA4FIB	54,102-	381-	71-17-A
KI4JB	19,292-	182-	53-14-A
WK4F	9000-	75-	60-16-B
KO4D	2600-	50-	26- 5-A
Tennessee			
N4ZZ	222,888-	1506-	74-24-B

WM4Z	98,784-	686-	72-20-A
N4TG	86,400-	600-	72-18-A
K3CQ	59,796-	453-	66-13-B
NF4F	34,710-	267-	65-13-A
WA4RDD (WA	4ZZU, opr.)		
	19,080-	159-	60-24-A
W4FLW	12,650-	115-	55-11-A
K4JHT	4640-	58-	40- 6-B
K4XO	480-	20-	12- 1-A
KB4FHE (+ K	B4IHU, WZ4	1E)	
	33,408-	288-	58-10-B
WB4YLC (KB4	HOB, KY4A	A. N41	HBD.
	WD5FUN. o		
	32,896-		64-15-B

Virginia

193,596-1326-	73-24-B
175,232-1184-	74-24-B

KG4W	148,000-1000	74-21-E
KD4NI	144,576-1004	72-24-E
AA4FF	87,756- 618	71-19-E
WC4B	78,936- 572	69-24-A
AI2C	71,102- 487	73-13-E
WD4ELJ	41,728- 326-	64-15-A
N4KWX	41,210- 317	65-24-A
W4XD	37.642- 319-	59-10-E
W4NND	30,916- 262-	59-18-E
KI4GM	30,500- 305-	
K4OD	28,980- 230-	
AA6DX	28,672- 256-	56- 7-A
WB4LNT	27.848- 236-	
N4EHJ	24,516- 227-	54- 5-E
WB4BVY	21,320- 205-	52- 7-A
KF4FP	16,240- 145-	56-11-A
W4YE	15,600- 150-	
N3JT	9522- 69-	
N4JGM	8664- 114-	38- 8-A
K4WHN	7004- 103-	34- 7-A
KA4ERP	7004- 103-	34- 4-A
KA4ERK	6478- 79-	41- 8-4
WA4LYH	2500- 25-	25- 7-A
KC4DY (+ AE	34U, KA4ZPT, KE	4GTR.
	JED, VG, W4YV,	
	119,564- 842-	
1411 4D / . 141D		

N4S FHL,	JED, VG, WA	YV, V	VY4D,
NJ8Z)	119,564-	842-	71-24-B
WI4B (+ WB4	(MDM)		
	65,416-	481-	68-18-A

KA9X (+ KN4DPF)			
,,	462-	21-	11- 3-

Woot maio	•	
KP4BZ	283,240-1948-	73-24-B

W9OBF	103,680-	810-	64-24-A
WAØVJF	62,790-	455-	69-16-A
K5FUV	49,400-	380-	65-13-A
W5EIJ	4686-	71-	33- 4-B
WA5TCL (+	N5DZQ, WAS	ZGI)	
	120 352.	874.	74-21-R

129,352-874-74-21-B KY5M (+ KA5s KNO, NLY, PGA, PTY, SKU, KB5QL, KD5FS, KE5IN, N5s AJO, GGG, GFT, NI5D, WA5VYT, WB5s GFA, LRP, TSH, WD5s BIV, BZO) 116,624-788-74-24-B

Louisiana

N5ATW	78,540-	561-	70-19-A
N5CEW	216-	12-	9-12-4
W5GAD (KA	s CSI, MSD	SSW	
KB5s GQ.	VC. XZ. KES	JP. N	5s
FTT, GWF	, NE50, W5F	UW.	
	70.000	F04	70 00 0

Mississippi

W5VSZ	92,300-	650-	71-10-E
N5DSK	53,856-	374-	72-12-4
AE5H	34,844-	281-	62- 9-4
KC4WQ	9000-	100-	45-13-4
W5THT	4464-	72-	31- 8-E
New Mexico	,		

KI3L	137,344-	928-	74-19-B
N5EZA	42,636-	323-	66-21-A
N5EPA	41,052-	311-	66-18-A
WB5TXJ	29,512-	238-	62-19-A
K5QQ	17,160-	165-	52- 7-A
NM5S	10,000-	125-	40- 7-A
AI9X	9522-	69-	69-12-B
K7UP	5508-	81-	34- 5-A

Northern Texas

K5RR (N5RZ,		
	239,316-1617-	74-24-B
N5AU (WB5V.	ZL, opr.)	
	238,872-1614-	74-24-B
K5MR	206,312-1394-	74-24-B
K5RX	203,056-1372-	74-22-B
KE5CV	173,752-1174-	74-24-A
WD5GSL (WE	BØTEV, opr.)	
	158,848-1085-	73-24-B
K4VUD	155,252-1049-	74-24-B

	158,848-1085-	73-24-B
4VUD	155,252-1049-	74-24-B
5ZD	142,704- 991-	72-22-A
5JB	74,550- 525-	71-18-A
NW	72,600- 550-	66- 7-B
5LMG	66,396- 503-	66-22-B
4QS	56,364- 427-	66-15-B
C5YB	49,000- 350-	70-10-A
A5W	44,484- 337-	66-15-A
5LKP	41,400- 300-	69-13-B

N5EG	35,616- 318	- 56- 4-E
N5UA	29.146- 247	
KB5UT	17,100- 171	50- 9-/
K2SCU/5	14,960- 136	55- 5-E
KN6M/5 (+1	KM5X, WA7RKJ)	
	229,548-1551	74-24-E
K5QY (+ KM	15K)	
	193,392-1343	72-24-E
W5AH (+ K)	(5N)	
	149,628-1011	74-24-E
K5KJ (+ NR	5K)	
	129,648- 877-	74-21-E
KC5EA (+ N		
	77,472- 538-	72-12-E
NN5E (+ KC	5DX)	
	75,336- 516-	73-11-E
Oklahoma		
км5н	109.354- 749-	73-22-4

KM5H	109,354-	749-	73-22-4
K5DEC	24,318-	193-	64-17-E
KD5RQ	19,610-	185-	53-12-E
WA6SNN/5	16,170-	165-	49-12-4
NM5E	3960-	110-	36- 8-4
K7CW	3050-	61-	25- 3-4
K5CM (+ N5s	CG, KW)		
211,492-1429-			74-24-E

Southern 1	exas	
K5LZO	239,020-1615-	74-24-B
N5DU	237,540-1605-	74-23-B
WS4Q	233,396-1577-	74-24-B
NR5M	226,144-1528-	74-24-B
KZ5M	203,056-1372-	74-24-B
KB5FU	191,114-1309-	73-24-B
KC5CP	178,784-1208-	74-24-B
KG5U	178,192-1204-	74-24-B
NA5R (KN5H,	opr.)	
	154,660-1045-	74-16-B
KD5SP	148,296-1002-	74-21-B
K5WA	135,124- 913-	74-15-B
KE5FI	126,576- 879-	72-16-B
K5TSQ	97,920- 680-	72- 8-B
K5BZU	97,828- 661-	74-16-B
K5DX	97,160- 694-	70-15-B
AD5Q	89,034- 627-	71-16-B
WA5IYX	58,800- 420-	70-22-A
K5RPC	47,596- 326-	73-16-B
W5ASP	47,302- 353-	67- 7-A
W5JWM	40,920- 330-	62-17-B
KC5M	24,522- 201-	61- 9-A
W5DOZ	20,708- 167-	62-20-B
WA5ABR	19,690- 179-	55- 8-A
K5YCP	12,992- 112-	58- 9-A
NA5C	6840- 90-	38- 2-B
WD8DKJ/5	3960- 66-	30-14-A
W5LLU	2346- 51-	23- 8-B
K5CI	480- 12-	10- 2-A
N5DC	28- 14-	1- 2-B
K5RVK (+ KC	5M, KF4VS, W5A	SP)
	191,068-1291-	74-24-B
N5JJ (+ NM5		
	171,088-1156-	74-14-B
KE5IV (+ K5D		
	168.128-1136-	74-24-B

K2TNO (+ Net, KA5PJG) K2TNO (+ Net, KA5PJG) K5VWW (+ K5GN) K5VWW (+ K5GN) WA2PRB (+ WA5ZUP) 182,588-103174-24-B 83,580- 597-

1440000 (414000)		
77,616-	539-	72-23-
K5GB (+ KA5QAA, Net)		
55,200-	400-	69-18-
N5HHD (+N5AF)		
40 700		144174

East Bay

N6BV	242,128-1636-	74-24-8
VE2AQS/W6	123,580- 835-	74-19-6
W6BSY	104,784- 708-	74-23-6
W6RGG	72,380- 520-	70-15-8
W6EEN	57,620- 430-	67-20-E
K6PJY	54,940- 410-	67-20-
K6HIH	48,620- 374-	65- 7-1
WB6FCR	45,628- 374-	61-16-/
K2GMY	45.184- 353-	64-22-
K6SIK	41,814- 303-	69-16-7
W6OSP	30,326- 257-	59- 5-1
N6GRM	28.105- 255-	55-19-/
KN5S	27,730- 235-	59- 7-1

May 1985

AK6T 19,890- 195- 51- 9-A	N6EE 8036- 98- 41- 4-B	KD8QK 20,034- 189- 53-14-A	KC9JT 55,476- 414- 67-19-B	NEOP 47,736- 351- 68-24-A
WA6BOB 19,788- 194- 51- 7-B K6CSL 15,660- 174- 45-23-A	Pacific	KC8LD 19,140- 174- 55-19-A N8CEO 17,264- 166- 52-12-A	K9LJN 51,220- 394- 65-13-A WB9JKI 43,560- 330- 66-12-B	KCØGM 42,780- 310- 70-18-A W9NZW 34,398- 273- 63-18-B
KB6CDP 9380- 134- 35-11-A N6RO 5928- 76- 39- 1-B	AH6FL 37,964- 312- 61-17-A AH6AZ 32,816- 293- 56-16-B	WB8GUS 17,248- 176- 49-18-A K8DJR 16,740- 155- 54-10-A	WA9DRE 38,220- 294- 65-15-B K9BGL 35,148- 303- 58- 4-B	W0PPF 28,842- 253- 57-22-B WB9IOG/0 23,668- 194- 61-15-A
KS6Q 5056- 79- 32- 6-B K6ZM (+ N6TV) 155,198-1063- 73-24-B	KH6SP (WB3HVS, opr.) 23,868- 221- 54-11-A	KA8SMA 15,456- 168- 46-17-A WA8RRR 13,152- 137- 48- 2-B	K9GH 30,856- 266- 58-20-B NA9D 24,864- 259- 48- 4-B	KØEVC 17,368- 167- 52-17-A WBØFBP 7000- 100- 35-15-B
N6EK (+ logger) 840- 35- 12- 2-A	W2HPF/KH6 20,300- 203- 50-10-A	WB8VMN 11,266- 131- 43- 5-B K8SIA 10,584- 108- 49- 4-B	WB9TOC 22,388- 193- 58-15-A KA9QYA 22,140- 205- 54-12-A	KAØGUJ 1092- 42- 13- 2-A WØIO (NØEBA, KAØPFC, KDØRT, KAØSJV.
Los Angeles	AH6EK 2976- 62- 24-12-A	K8KUH 9100- 130- 35-10-B W8EGI 8200- 100- 41- 5-A	NA9J 15,916- 154- 52-12-B KA9OOO 15,180- 165- 46-20-A	oprs.) 56,816- 424- 67-16-B
N6HC 133,152- 912- 73-21-B	7	KD8TM 5148- 78- 33- 4-A	N9NA 11,172- 114- 49- 4-B	Kansas
WB0QPO 117,648- 817- 72-23-B K6EID 84,672- 588- 72-23-A	Arizona	N8ESK 4544- 71- 32- 9-A K8DD 3248- 58- 28- 1-B	N9CIW 10,120- 110- 46- 5-A KY9F 9348- 123- 38- 9-B	N7DF 111,754- 787- 71-11-B KDØFH 63,918- 477- 67-17-A
W6NOL 64,400- 460- 70-22-A W8AKS/6 62,968- 463- 68-21-A	K7OX 172,272-1164 74-24-A W7FGT 153,936-1069 72-24-B	WD8CRY (+ AC8W, KC8A, KD8SF, K8AQM, K9EC, N8CQA, WD8LCD,	W9REC 7912- 86- 46-11-A W9QWM 7488- 104- 36- 6-A	KBØG 52,500- 375- 70-10-B NØCLV 41,184- 307- 66-16-A
NE6I 18,620- 190- 49- 4-A WB6BXP 14,362- 167- 43-13-A	KY7M 124,616- 842- 74-19-B N7CIX 34,220- 290- 59- 8-A	WD9INF) 157,916-1067- 74-24-B W8SH (+ KN8P, KN8R, WD8JQI, oprs.)	KB9PC 7420- 106- 35-10-A W9HBI 4950- 75- 33- 5-B	WBØYJT 39,204- 297- 66-21-A WAØHWH 33,794- 277- 61-17-A
N6AA 11,808- 123- 48- 2-B WB6DIB 9440- 236- 40- 9-B	KC7V 22,302- 189- 59- 5-A W7ZMD 2700- 50- 26- 2-A	119,584- 808- 74-24-B W8UM (KA8UJA, KB8U, KC8ES, KM8I,	KA9OYT 4472- 87- 26- 4-A WD5GYW 2538- 47- 27- 9-A	KØVBU 25,704- 189- 68- 8-B
WB6NFO 6384- 84- 38- 9-A W6CN 3362- 41- 41- 4-A	Idaho	N8DKJ, N8EPO, oprs.)	K9UQN 2300- 50- 23- 1-B	KDØMC 12,500- 125- 50-15-A KØIJL 7144- 94- 38- 1-B
WB6QLM 3136- 56- 28- 7-A	KD7EJ 6052- 178- 34- 7-A	86,904- 612- 71-23-B KA8POG (+ KA8SYB, N8GBZ, WB8VYN)	WB9HAD (+ KA9SDC) 104,720- 748- 70-14-B	NØFMR 5256- 73- 36- 5-A KØWA (+ ABØS, KBØEC)
W6OES 18- 3- 3- 3-A W6VPZ (AJ6F, K6KH, KE6FY, KF6JP,	W7ZRC 4800- 80- 30- 2-A WB7SBZ 2300- 50- 23- 6-A	43,200- 360- 60-24-B KI8Z (+ KA8s GNU, UZU, N8EKH,	WAØAVL (+ N9CXQ) 88,324- 622- 71-17-B	161,856-1124- 72-24-E ACØE (+ KAØRID)
N6AXQ, N6DMV, W6CN, WN6CND, W6PUW) 68,728- 486- 71-23-B	Montana	WB8WXE, WD8LSV) 34,568- 298- 58-18-B	WA9AWO (+ KA8MUT, KA9JJV, KC9XG, KK9C, N9s BY, DMT, WB9s ACQ, TBU,	3534- 93- 38-10-A
Orange	KS7T 78,672- 596- 66-21-B	WA8MTX (+ KA8s NCR, RNE, UAR, KD8KA, KK8X, N8GAI, oprs.)	WD9JHP + loggers) 27,700- 247- 50-24-A	Minnesota
K6HRT 59,930- 461- 65-14-B	W7YB (KD7JZ, opr.) 50,924- 439- 58-11-B	22,746- 223- 51-24-B K8DAC (K8CQF, KY8C, N8FAU, KC5MP,	Indiana	KØFZG 64,722- 483- 67-22-A WBØDHS 34,304- 256- 67- 6-B
W6TCO 35,872- 304- 59- 9-B K6RUB 10,286- 278- 37- 7-A	KC7OD (+ KC7OA) 18,974- 179- 53-12-A	oprs.) 1680- 40- 21- 4-A	W9RE 92,272- 632- 73-11-B	KØMPH 31,720- 260- 61- 7-A WØTIV 23,760- 198- 60- 7-A
NX6M 8584- 116- 37-20-A N6IGI/M 3740- 55- 34- 7-A	Nevada	Ohio	N9QX 83,768- 566- 74-22-B KBØC/9 78,524- 586- 67-18-B	ACØW 19,890- 195- 51-14-A KØVW 17,600- 200- 44- 9-A
KF6OG (+ N6RJ, NV6K, WA6OWM) 132,624- 921- 72-24-B	WA7NIN (W6OAT, opr.)	AI8S 134,680- 910- 74-24-B K8AZ 121,910- 835- 73-21-B	K9UWA 55,728- 387- 72-10-B W9JOO 49,956- 362- 69-20-A	KSØT 16,328- 157- 52- 8-A WØYHE 13,700- 137- 50-10-A
WA6JBT (+ KA6FBI, N6s AWF, DJW,	246,568-1666- 74-24-B WBØWNH 12,096- 144- 42-12-A	N8RA 106,216- 748- 71-23-B	N8DE 33,924- 257- 66- 7-B	KDØQJ 12,600- 150- 42- 8-A
DJX, ELA, NC6H, NR6C, WA6JBR, WB6QKB) 84,280- 602- 70-20-B	WB7VVH 9204- 118- 39- 9-B	KU8E 105,704- 724- 73-19-B W8FN 100,940- 721- 70-19-B	N9DYE 16,328- 157- 52-17-A KD9LC 10,296- 132- 39-11-B	WAØWWW 11,524- 134- 43- 6-B KØIJL 7144- 94- 38- 1-B
Santa Barbara	Oregon	K8MR 93,456- 649- 72-14-B N8LL 75,072- 544- 69-18-B	KA9LPN 728- 56- 13- 7-A W9TDU 640- 20- 16- 2-A	NFØJ (+WBØYUC) 16,366- 167- 49-10-B
K6VMN 89,688- 606- 74-21-B	AG7M 179,568-1247- 72-24-B K7KJM 78,840- 540- 73-24-A	KB8OW 71,400- 510- 70-16-B NE8R 63,190- 445- 71-21-B	KJ9D (+ KK9V) 194,176-1312- 74-24-B	Missouri
N6MB 73,128- 554- 66-19-B W2KVA/6 71,284- 502- 71-22-B	W7YAQ 64,610- 455- 71-16-A AI7W 42,240- 330- 64-21-A	KB8IZ 60,828- 411- 74-11-B N8ATR 57,168- 397- 72-17-B	W9YB (KA9s IKK, RAV, SIG, KK9W, KS9J, KC9RG, K9FN, N9NB, N9NC, oprs.)	K4VX (KRØY, opr.) 240,204-1623- 74-24-B
NV6L 68,408- 503- 68-19-B WA6FGV 62,376- 452- 69-22-A	K7GWK 35,164- 298- 59-24-B KB7WY 31,800- 265- 60-21-A	W8UPH 56,012- 418- 67-18-B	· 158,212-1069- 74-23-B	KMØL 157,388-1078- 73-24-B
W7CB/6 35,264- 304- 58- 6-B KD6LD 25,422- 223- 57-19-B	N7ENU 22,672- 218- 52-15-A W7GUR 7220- 95- 38- 5-B	WD8IVL 52,394- 391- 67-19-A K8BL 47,360- 370- 64-14-A	N4FKF (+ KA9ORN) 70,850- 545- 65-22-B	WØHBH 92,204- 623- 74-20-A KØRWL 62,308- 421- 74-13-A
NS6X 24,800- 200- 62-16-A	WA6PVA (+ NI7T)	N8ET 46,364- 346- 67-10-B AD8P 44,200- 325- 68- 6-B	N9DUE (+ KE9I) 49,818- 361- 69-24-A	WDØBBN 15,190- 155- 49- 6-B WAØITU 3840- 64- 30-10-B
Santa Clara Valley	157,472-1064- 74-24-B KA7KDU (+ N7FNW)	KA8ETK 43,772- 35362-17-A K3JT 41,724- 342- 61-15-A	Wisconsin	KA0P 1640- 41- 20- 2-A K9OCU 1008- 36- 14- 2-B
K6HNZ 179,524-1213- 74-24-B N6NF 174,384-1211- 72-23-B	95,328- 662- 72-23-B KD7WD (+ K7FD, KA7QPP, WA7WNQ)	K1LT 35,588- 287- 62- 5-B AA8S 35,584- 278- 64-12-B	N9AW 80,928- 562- 72-18-A W9XT 67,728- 498- 68-10-B	WØEEE (KA5SLN, KA8OKO, KAØs GCR, JJX, RBL, SFI, WBØYKG,
W6XX 159,248-1076- 74-17-B K6LY (K0EJ, opr.)	67,592- 476- 71-23-B WA7PZW (KA7s SEU, SEV, KD7AD,	N8AVK 34,860- 249- 70-19-B WD8BKT 31,374- 249- 63-20-B	WA1UJU 65,650- 505- 65-22-A	WDØELL, oprs.) 81,322- 557- 73-24-B
121,910- 835- 73-19-B	WA7IZU, oprs.) 24,598- 251- 49-24-A	KN8Z 29,697- 263- 57- 4-B	K9OSH 52,536- 398- 66-22-B N9KS 40,430- 311- 65-16-B	KMØP (+KMØR)
K6KLY 106,872- 732- 73-21-B	KC7YQ (+ 1 opr.) 23,940- 210- 57-24-B	N8BJV 25,636- 221- 58-14-A N8DDL 25,172- 217- 58-14-A	AJ9U 35,200- 275- 64-14-A W9GMV 34,160- 280- 61-14-A	59,584- 392- 67-13-B
N6CQ 105,140- 751- 70-21-B KY6I 88,652- 599- 74-24-B	WB7TXM (WB7NML,KA7PGB oprs.)	KF8K 24,120- 201- 60-14-A K8NZ 22,500- 215- 50- 6-B	K9KR 31,388- 266- 59-13-B WB9IXS 21,420- 210- 51-15-B	Nebraska KØSCM 165,710-1135- 73-21-B
N6QW 81,468- 558- 73-18-B WC6I 64,170- 485- 69-19-B	16,224- 169- 48-23-B	N8EKS 22,302- 189- 59-11-A KC8JH 20,246- 191- 53- 3-A	K1TMM 20,240- 184- 55-10-A KB9DZ 15,416- 164- 46-14-A	KVØI 144,004- 973- 74-24-B KCØSV 34,020- 270- 63-13-B
K6TMB 63,474- 447- 71-18-A W6SZN 56,984- 419- 68-10-B	Utah KB7EB 161,136-1119- 72-23-B	W8DXT 19,548- 181- 54-18-B NC8V 16,758- 171- 49- 8-A	WB9LLW 13,724- 146- 47-10-A	KØSW 20,800- 200- 52-12-A
N6XI 54,270- 405- 67- 6-B N6AHA 47,752- 378- 63-11-B	W7GXC 28,200- 235- 60- 6-A	AD8C 15,900- 150- 53- 5-B	K9GDF 12,900- 129- 50- 3-A W9FSH 10,580- 115- 46- 7-A	North Dakota
KJ6V 47,124- 374- 63-18-B	WA7QCC 11,088- 132- 42- 4-A	W8ILH 13,974- 137- 51- 6-B KD8QZ 13,254- 141- 47-16-A	W9HE 10,272- 107- 48- 5-A WA9TZE 7790- 95- 41- 5-A	WAØQVC 47,428- 334- 71-18-B WA3PWL/Ø 7616- 112- 34- 3-A
N6KT 32,120- 292- 55- 8-B AJ6V 30,800- 275- 56- 9-B	Washington W7RM (W7WA, opr.)	KC8F 12,300- 123- 50- 7-A N8CSL 12,052- 131- 46- 5-B	KD9GS 6768- 94- 36-12-A W9VTL 4420- 65- 34- 8-A	South Dakota
K6MA 28,910- 245- 59- 8-B WB6DSV 27,376- 232- 59- 6-A	238,724-1613- 74-24-B	K8PSR 11,933- 118- 42- 6-B KC8YR 11,352- 132- 43-15-A	WB9AZH 2700- 54- 25- 2-A WB9HRO 2544- 53- 24- 4-A	WBØMWJ 93,832- 634- 74-17-B
KB6WP 25,800- 215- 60-16-B KD6XY (KA6ING, opr.)	KC7KU 114,736- 808- 71-24-B	KA8NIE 10,692- 99- 54-13-A KI8O 9682- 103- 47-17-A	WD9DUE 1426- 31- 23- 3-A	KØJV 31,320- 261- 60-12-A KØVVY (KAØS IXX, PMJ, KBØQA,
22,116- 194- 57-11-A W6REC 14,800- 148- 50-10-A	W7BUN 103,368- 708- 73-20-B KT7G 54,120- 451- 60- 9-B	N8FU 9306- 99- 47- 5-A	W9KHH 90- 9- 5- 1-A WØAIH/9 (KØs FVF, TG, WAØRBW, oprs.)	KDØGV, NØs AIT, FLZ, WDØHFK, oprs.) 93,840- 690- 68-23-B
W6CF 7200- 100- 36- 3-B	WA7PVE 51,680- 380- 68-16-A K7WA 6300- 90- 35- 5-A	N8EYQ 8954- 121- 37- 9-A W8IMF 5822- 71- 41- 7-B	143,664- 984- 73-24-B K9FYZ (+ NØAKC, NØBSH)	
K6VGW 2392- 46- 26- 2-A WA6AZP 1050- 35- 15- 5-A	W7DWW 6156- 81- 38- 9-A WB7WOU 5460- 91- 30-15-A	WA2AZG 4650- 75- 31- 2-A KA8RXQ 4600- 92- 25- 5-A	109,908- 774- 71-23-B	VE
AG6D (+ N6YK) 151,848-1026- 74-24-B	W7LKG 4424- 79- 28- 4-B K7QLC 4290- 65- 33- 3-A	KA8NDC 4440- 74- 30- 6-A KD8PL 4422- 67- 33 4-A	0	Maritime-Newfoundland VO1QU 14,040- 156- 45- 5-A
N6AUV (+W1NG, WB6DSV, AJ6V) 148,148-1001- 74-24-B	KA7CXU 2288- 52- 22- 3-A	WB8WWK 3480- 60- 29- 4-A W8VZE 3078- 57- 27- 3-A	Colorado	VE1BEI 7744- 88- 44- 8-A VO1QST (VO1AW, opr.)
K6XO (+ Net) 111,228- 784- 71-24-B	WB7SQU 726- 33- 11- 5-B WA7RDJ 140- 10- 7- 1-B	W8TO (K8EM opr.) 2050- 41- 25- 1-A	KØGU 238,132-1609- 74-24-B WØYK 209,864-1418- 74-24-B	6192- 86- 36- 6-B
W6YX (SMØDRD, WA1LTJ, oprs.) 76.396- 538- 71-24-B	K7ATD 72- 6- 6- 1-B K7LXC (+ K7HBN,K7SS)	W8IDM 2048- 32- 32- 3-A	WØPSY 181,004-1223- 74-24-B	Quebec
N6RZ (+WA6OCV, W6NV, N6TU)	153,746-1037- 74-24-B KE7C (+ KO7I, N7FUH, WB7OJV)	WD8KTM 396- 22- 9- 1-A AF8C 390- 15- 13- 2-A	KYØS 174,936-1182- 74-24-B NIØE 166,648-1126- 74-24-B	VE2YM 20,024- 182- 66-12-B VE2DRN 5670- 63- 45- 7-A
63,756- 483- 66-15-B	148,740-1005- 74-23-B KC7RN (+ KB7G, KT7H, K7UU)	WB8JBM (KC8MK, KC8XK, KW8N, N8DCJ, N8DMM, N8ATR, WD8IJP,	WØIJR (KØEU, opr.) 138,460- 989- 70-24-A	VE2FTU 5600- 80- 30- 7-B VE2MAB (VE2s DWT, ESP, FUI, GBA,
San Diego KZ6X 151,848-1026- 74-24-B	98,640- 685- 72-24-B W7DK (15 oprs.)	oprs.) 164,834-1129- 73-24-B W8LNO (+ KA3GZS, NZ4K)	KB3EI 124,560- 865- 72-24-B KSØE 123,440- 860- 72-24-A	GOG, GOJ, GOP, GOT, HAX, HDN,
W6SRP 41,480- 305- 68-16-A N6ND 24,192- 216- 56- 6-A	46,540- 358- 65-24-B	129,352- 874- 74-24-B W8LT (K8EM, N8DJR, KD8NS, WD8IXE,	WØOSK 120,450- 825- 73-22-B KØAB (WBØIWL, opr.)	KB, TD, VST, YW, oprs.) 17,542- 179- 49-24-A
K6ZH 23,100- 210- 55- 9-A	Wyoming	oprs.) 128,480- 880- 73-23-B WA8BIN (+ K8WW, K8NZ)	114,756- 786- 73-10-B WØETT 84,000- 600- 70-17-B	Ontario
WA6UFY 19,700- 197- 50- 9-B AA6EE 14,448- 168- 43- 7-A	WA1UZD 69,000- 500- 69-21-A KB7M 54,924- 398- 69-16-B	107,568- 747- 72-22-B	NØEKK 79,832- 587- 68-16-A	VE3AXV 15,386- 157- 49- 8-A VE3CWE 14,394- 124- 58- 8-A
W6JXA 13,720- 140- 49- 8-A	KB7WN 19,764- 183- 54-10-A NC7O 192- 12- 8- 1-A	WA6EZV (+ KABS IYR, UTK, KC8XX, N8s ASV, CBY, W8LKX, WD8s NMT, NMV,	WØGOQ 73,556- 518- 71-19-B K7AYC 71,442- 567- 63-24-A	VE3ST 5901- 72- 41- 4-A VE3GAS (+ VE3QB)
San Francisco		NNB) 85,820- 613- 70-24-B WA8SBC (WB8PHI, N8FCZ, oprs.)	KØFRP 70,176- 516- 68-13-A KCØHH 61,336- 451- 68-16-A	75,072-1104- 68-14-B
WA6AUE 81,648- 567- 72-19-B K6LRN 43,030- 331- 65-15-A	Alaska AL7CQ 9900- 110- 45-10-B	66,504- 489- 68-22-B WB8JKR (+WB8CCL)	KCØWP 52,632- 387- 68-22-B WØIZV 48,374- 361- 67-20-A	Manitoba
WABLLY 24,416- 218- 56-12-A KK1A/6 22,684- 214- 53- 9-A	AL7GG 2016- 56- 18-11-A WB6CEC/KL7 1120- 40- 14- 6-A	64,800- 450- 72-21-B KB8WC (+ N8BZA)	WAØBBI 44,516- 359- 62-10-B WØGOR 43,884- 318- 69-15-B	VE4ALO 42,900- 325- 66-17-B VE4AMC 16,430- 155- 53-11-A
W6BIP (+WA6DJI, WA6PYN) 95,616- 664- 72-21-B	8	59,360- 424- 70-15-B	ACØS 41,976- 318- 66- 8-B	Saskatchewan
Sacramento Valley		KC8PQ (+ N8DPD, KB8IZ) 54,760- 370- 74-20-B	KQØT 35,496- 306- 58-24-A	VE5AG 52,096- 407- 64-14-B
Al6V 194,916-1317- 74-24-B	Michigan WD8MGQ 125,060- 845- 74-24-A	W8EDU (KB3YE, N8CNU, WB8BTO, oprs.) 42,362- 359- 59-21-B	KCØNY 33,390- 265- 63-21-A ADØO 21,632- 208- 52- 9-A	VE5TO 8610- 105- 41- 8-A VE5AAD 1520- 40- 19- 8-A
KV6H 106,142- 727- 73-23-B K6SG 89,392- 604- 74-18-B	N8CXX 113,368- 766- 74-19-B	N8BZA (+ KB8WC) 35,028- 278- 63- 8-B	K9MWM 16,112- 152- 53- 6-B KRØU 11,970- 133- 45- 8-A	Alberta
KF6A 79,094- 557- 71-17-B NB6G 73,128- 554- 66-15-B	W8UA (K8CC, opr.)	KD8KU (+ KA8MRG) 19,376- 173- 56-18-A	KØVVV 7872- 96- 41- 3-B NØST 2304- 48- 24- 1-A	VE6CB 23,760- 216- 55- 8-B VE6AGV 11,266- 131- 43- 9-B
N6ESV 48,006- 381- 63-22-B	62,832- 476- 66- 8-B N8BTU 62,270- 479- 65-20-A		WØSG 416- 16- 13- 1-A KØUK (+ KD7EY, NØZA)	VE6ATT 18,920- 172- 55- 9-A
WD6EIW 22,968- 198- 58-12-A	KB8LM 49,842- 351- 71-22-B KC8CY 42,880- 320- 67-21-B	West Virginia KD8G 118,428- 834- 71-24-B	200,392-1354- 74-24-B	British Columbia
N6JM 15,582- 147- 53- 9-A N6GG 4320- 72- 30- 2-B	KO8M 38,350- 295- 65-16-A AD8W 36,704- 296- 62-19-B	K8BS 46,574- 319- 73-19-A W8VEN 25,560- 213- 60-19-B	NDØE (+ KAØBAD, WØKEA) 169,460-1145- 74-24-B	XN7WJ (KE7V, opr.) 151,996-1027- 74-24-B
WA6ZGK (+ WB6UHQ) 12,936- 147- 44-13-A	KB8CU 35,328- 276- 64-18-A KS8Q 33,524- 289- 58-20-B	7	KG7Z (+ NØDWR) 118,406- 811- 73-21-B	VE7VX 36,120- 301- 60-18-B VE7GDX 35,456- 277- 64-18-A
San Joaquin Valley	K8CC 33,360- 278- 60- 3-B	9	KJØG (+ KØGAS) 105,648- 744- 71-24-B	Yukon-NWT
WC6H (NU6S, opr.)	K8CV 31,742- 269- 59-19-A NE8T 30,114- 239- 63-12-A	Illinois	lowa	VE8JG 10,720- 134- 40-12-A
179,228-1211- 74-24-B	W8KCI 27,108- 251- 54-10-B	K9ZO 186,296-1276- 73-24-B		VY1CW 3712- 64- 29- 4-B
K6GSS 107,136- 744- 72-22-B	W8VPC 25,134- 213- 59-13-A	K2PLF 138,408- 948- 73-23-A	KFØH 185,148-1251- 74-24-B	
K6GSS 107,136- 744- 72-22-B N8BJQ/6 26,796- 231- 58-17-A WA6SLF 13,348- 142- 47-11-A			KFØH 185,148-1251- 74-24-B WØEJ 158,952-1074- 74-24-B KCØXK 84,240- 585- 72-21-B	Checklogs KF3M, KB6GBR, WA6OTU