

Results, 50th Annual ARRL November Sweepstakes

Three Cheers for 50 Years!

By Edith Holsopple,* N1CZC and Bill Jennings,** K1WJ

Sweepstakes signals have been "sweeping" the ether for 50 years now, as Sweepstakes enthusiasm has swept the amateur community during November for half a century. The ARRL Contest Branch is experiencing "front desk overload," as SS logs continue to pour in year after year. It's a true labor of love. Other than a few refinements to the rules, not a whole lot besides higher scores and increased equipment capabilities has evolved from the stone-age days of crystal control to the now popular solid-state "do everything" rigs. From the first SS contest results published in *QST* May 1930 (where readers were thoroughly berated for not reading and following the rules) until the present day, the debate continues to rage over the burning question of whether it is better to hunt Sections for multipliers or try to keep your QSO rate high.

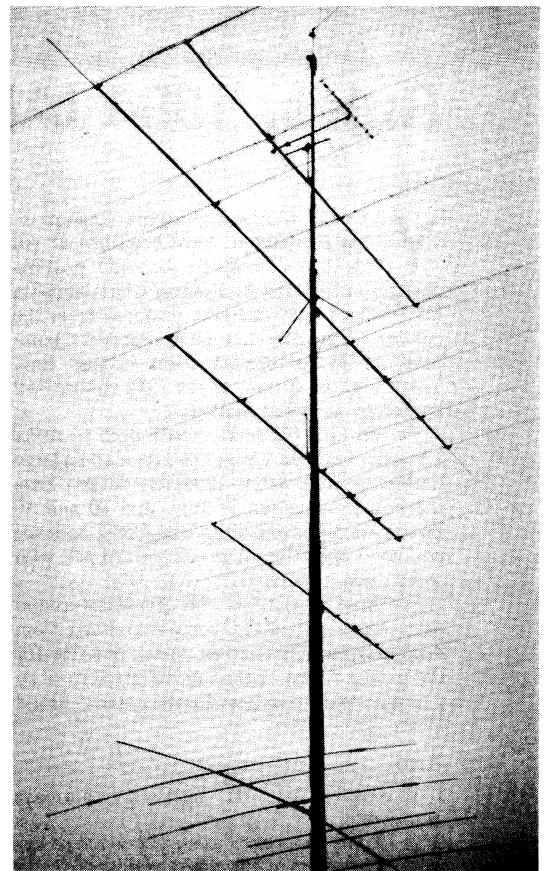
To satisfy your curiosity over the origin of the contest's name, we are quoting from the January 1930 issue of *QST* where the very first SS was announced.

"History gives us some interesting information concerning various symbols of victory. A Dutch commander, Admiral Tromp, defeated the British fleet under Admiral Blake at Dover, England in 1652. Complying with the custom of

the times, the Dutch commander sailed up the English Channel with a broom hoisted up the masthead of his flagship, denoting that he had successfully 'swept the seas.' Prizes in any contest may be referred to as 'stakes.' Webster informs us that among other things 'sweepstakes' signifies a 'clean sweep.' The highest scoring stations in our ... contest by virtue of skillful operating will be winners by virtue of having literally 'swept the air,' piling up points by a large number of successful QSOs with individual stations together with a surprisingly large number of sections contacted!"

Some of the minor rules changes that have evolved over the past half century of the SS are shorter on-the-air times, split weekends for each mode and shorter exchanges. Believe it or not, in 1930, contestants were required to originate a message with a minimum of 10 words for each QSO. Furthermore, the contest lasted a full two weeks. Yes, life is simpler now ... or is it?

A few rules have been cast overboard and a few pirates have walked the plank (of disqualification). In case you haven't noticed, 1930 was actually 54 years ago. SS sat in port during WW II when it was illegal to be on the air for other than military purposes. Despite the innovations, the main purpose of the original SS is still with us: to improve operating skills, learn message handling and have a good time in friendly competition. The skeleton of the con-



N0NO's antenna farm in Minnesota harvested the highest crop of QSOs in the state as well as the top score in the CW portion of SS.

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WD5AAM swept up 110,016 points, 72 Sections and the seventh place phone score from Southern Texas.



W9GXR made the top score for Missouri in the 25th SS. This year, he swept all Sections from his Wisconsin QTH.

Top Ten Single Op

Phone		CW	
KP4BZ	296,592	N5AU (K5ZD)	189,144
K5TA	257,076	N6TR	183,076
K0RF (W0UA)	251,156	W7RM (W7WA)	179,524
W7NE (WB3DNL)	250,128	K6LL	174,840
K0GU	249,084	K5TA	172,884
N5DU	244,792	K7NHV	172,568
K4VX (K0Y)	243,608	K0RF (W0UA)	172,134
N6IG	243,164	W5XZ (K5GO)	171,976
K7OX	238,280	N2IC	171,880
WA7NIN (W6OAT)	236,356	K7GM	171,236

Top Ten Low Power

Phone		CW	
K7RI (K7SS)	194,620	N0NO	147,314
K4XS	184,544	K7JA	144,004
K7JA	184,112	W0IJR (K0EU)	139,880
KD6WVW	176,564	K4XU	136,900
K4XU	165,612	N7TT	132,608
N2IC	164,872	N5JB	131,424
KJ9D (K9V)	161,912	K4XS	129,648
WD8MGQ	154,364	KZ6E	127,296
W0IJR (K0EU)	147,556	AG7M	127,132
KE5CV	146,304	N6ND	125,268

Top Ten Multioperator

Phone		CW	
N4WW	268,472	K5CM	165,316
N5KW	247,900	WB8JBM	161,616
WB8JBM	229,252	KJ9D	141,636
NA5R	213,564	K0FVF/9	141,488
WD8CRY	192,992	K6AA	140,452
K5VWW and NM5L	190,476	AB0S	136,900
WB1ELC	187,516	K1LT	134,384
NV6K	186,924	K5VWW	124,392
AA2Z	186,332	K0UK	121,656
VE3GAS	180,288	AB2Y	121,472



Multipoint station KC4DY and operators: N4FHL, in the white shirt; KC4DY, in the plaid; WB4QOJ, wearing a dark vest; KJ7K, in the stripes; and AB4U, wearing a sweater. These gents (from the Southwestern Virginia Wireless Assn., Roanoke) are being videotaped by WDBJ-TV. Together they scored 120,916 points and managed to find all 74 Sections on phone. (photos by N4JED)

test is still the same as it was in 1930, the first time it was held. As true today as then, skill and hard work are the necessary ingredients in a successful SS operation.

The first SS was won by W1ADW, who operated a Hi-C Hartley, using an 852 and a UV-203-A for the remainder of the contest. He worked 43 of 68 Sections. Scores have steadily risen since that first launching of the "S.S. National Relay."

SS number 50 rolled in on the weekends of November 5-6 (CW) and November 19-20 (phone) amid great expectations (after all you only have one golden anniversary!) with an added incentive of a commemorative expanded awards program. Contesters turned out in about the same numbers (1995 SS logs showed up for the '83 contest, while 1990 entries were submitted in 1982) as in the 49th Sweepstakes. SS '83 logged 943 CW entries and 1052 phone logs. In a deviation from the norm of past years, more folks were able to make the "clean sweep" on CW than on phone. All of 219 of the code operators found all 74 Sections for a 23.2% success rate, while 198 "clean sweep broom" awards will be given out to phone SS operators. Of the phone ops, 18.8%, made the clean sweep grade — not too bad at all — thanks (from 667 grateful CW operators) in part to NØTT's little trip to VE8 for the CW weekend. The normally "rare" VE8/VY1 Section was there for all takers while, surprisingly enough, the South Carolina, Mississippi, North Dakota and San Joaquin Valley Sections were the ones that most frequently made the difference between 73 Sections in the log and the coveted sweep.

The high-power (seems that 40% of the '83 SS CW operators ran an amplifier, versus 60% who went into the fray barefoot) CW operators encountered more stations on the air to be worked in '83 than they did in 1982. In fact, only three of the '82 Top Tennesseers would have made the grade for the same honors in '83. In a replay from the 1981 SS, K5ZD at N5AU and N6TR went "at it" for a shot at the first place among the code operators. When the dust had cleared, Randy, 'ZD had 41 more QSOs in his log than did Tree. Randy again takes the no. 1 code op honors. Randy really has the handle (paddle?) on how to make that N5AU station play. The rest of that Top Ten listing is filled out with "superstars" of years past while N2IC is the "new op on the block."

Division Leaders — Phone

Division	High Power	Low Power	Multipoint
Atlantic	W3LPL (WD4AXM)	KC3EK	W2OW
Central	K9RS	KJ9D (KK9V)†	W9YT
Dakota	KØJLL	KØFZG	WB3KMF/Ø
Delta	W5VWU	K4XU	W5GAD
Great Lakes	K8AZ	WD8MGQ†	WB8JBM
Hudson	W2YV (KQ2A)	WB2WIK	K2MME
Midwest	K4VX (KRØY)	KØRWL	W8SOE
New England	WB1GQR	KA1DZV	WB1ELC
Northwestern	W7NI	K7RI (K7SS)	K7LXC
Pacific	N6IG	KD6WW	W6BIP
Roanoke	KD4NI	WC4B	KC4DY
Rocky Mountain	K5TA	N2IC	NØE
Southeastern	KP4BZ	K4XS†	N4VW
Southwestern	K7OX	K7JA†	NV6K
West Gulf	N5DU	KE5CV	N5KW
Canadian	VE7IN	VE6CHW	VE3GAS

†Indicates new Division record

Division Leaders — CW

Division	High Power	Low Power	Multipoint
Atlantic	W3LPL	WA3FYJ	AB2Y
Central	K9DX	K9WA	KJ9D
Dakota	WØWDW	NØNO†	—
Delta	W5XZ (K5GO)†	K4XU	N4DW
Great Lakes	WA8YVR	KU8E	WB8JBM
Hudson	W2RQ	KY2P	N2EKS
Midwest	K4VX (KRØY)†	KØRWL	ABØS
New England	K1TO	W1OD	W1KX
Northwestern	W7RM (W7WA)†	N7TT	K57T
Pacific	WA7NIN (W6OAT)	N6MG	W6BIP
Roanoke	N8II (K8C8)	KD8G	W4POX
Rocky Mountain	KØRF (WØUA)	WØJR (KØEU)	KØUK
Southeastern	N4SA	K4XS	WC4E
Southwestern	N6TR†	K7JA	K6AA
West Gulf	N5AU (K5ZD)†	N5JB	K5CM
Canadian	VE5XK	VE3JTQ	VE3ART

†Indicates new Division record

Low-power code operators in 1983 were able to better the '82 average Top Ten score significantly. NØNO, "right up there the previous two years," went for it and grabbed the top spot with a fine 1009-QSO effort. Steve still can't believe that he missed VE4 for the sweep. K7JA decided to try his hand at low-power operation in the SS. Chip made the Top Ten on both modes (no. 2 on CW and no. 3 on phone). KØEU at WØJIR, K4XU (always among the top low-power finishers) and K4XS also managed to make both low-power Top Ten lists.

The operators at K5CM took the top multipoint slot handily, beating last year's champs at WB8JBM by nearly 4000 points. The 'JBM crowd was the only multipoint station to make both Top Ten lists, and we'll bet that they have a few

tricks up their sleeves to try to regain the top position in '84. Should make for some interesting competition.

The Top Ten phone scores followed the CW trend. High-power (51% of the phone entrants ran high power) scores were down from the 1982 levels, while low power Top Ten scores increased significantly. The West Indies Section was again the "magic" place to be to place first among the phone operators in SS. Tim, KP4BZ, was the only phone station to log 2000 QSOs in this contest. As with the High-Power CW Top Ten list, the phone "who's who" is filled (with one exception) out with stations from west of the Mississippi River — gladdens the hearts of the Midwest and West Coast operators. K7SS operated K7RI to the top of the low power phone

Phone — Division Leaders QSO Breakdown by Time

Cumulative Number of QSOs

Call	2200Z	0000Z	0300Z	0900Z	1500Z	2100Z	0300Z	Off-Times
W3LPL (WD4AXM)	101	248	486	874	988	1213	1455	2
K9RS	121	324	572	886	1001	1232	1522	4
KØJL	56	221	372	490	581	874	1115	5
W5WMU	133	322	514	939	1012	1366	1612	3
K8AZ	122	269	499	791	879	1157	1322	4
W2YV (KQ2M)	81	219	425	669	813	1085	1304	5
K4VX (KRØY)	96	296	553	1014	1115	1446	1680	6
WB1GQR	75	245	477	686	879	1187	1297	5
W7NI	132	335	515	742	821	1211	1474	6
N6IG	136	367	642	925	1037	1396	1670	6
KD4NI	131	257	450	832	1050	1238	1416	3
KP4BZ	155	387	739	1030	1351	1860	2104	3
K5TA	153	366	674	950	1098	1495	1852	3
K7OX	131	372	548	837	913	1353	1676	2
N5DU	124	374	638	969	1102	1429	1682	7
VE7IN	97	268	400	518	518	801	1116	3

CW Division Leaders QSO Breakdown by Time

Cumulative Number of QSOs

Call	2200Z	0000Z	0300Z	0900Z	1500Z	2100Z	0300Z	Off-Times
W3LPL	81	220	410	712	776	946	1101	4
K9DX	61	169	349	642	764	914	1087	3
NØNO	69	178	335	612	696	878	1019	5
W5XZ (K5GO)	90	237	450	726	822	995	1179	5
WA8YVR	83	209	391	691	781	943	1093	5
W2RQ	81	206	382	682	773	926	1079	6
K4VX (KRØY)	80	230	412	724	818	1027	1152	7
K1TO	85	220	410	522	651	895	1039	1
W7RM (W7WA)	98	255	471	763	775	1021	1239	2
WA7NIN (W6OAT)	82	245	416	628	695	902	1088	2
N8II (KC8C)	64	203	373	679	744	876	1018	2
N4SA	73	153	368	658	739	938	1085	3
N6TR	80	243	457	740	790	1030	1245	5
N5AU (K5ZD)	103	279	509	794	925	1107	1283	8
VE5XK	77	240	466	667	704	978	1167	2

pack. Danny attributes his success to advice from his mentor, N7ZZ: "Old age and treachery will always prevail over youth and skill." Words to live by. K4XS obviously has the skill and handily took the no. 2 slot for low-power ops on phone in this year's contest.

The N4WW multiop team easily outdistanced the rest of the phone multiop Top Ten with their rate of 75.5 QSOs per hour for the entire contest.

By popular request, we brought back the boxes showing the Division Leader QSO Breakdown by time for each mode. It lets you compare your rates with those of the top stations in your Division.

Over the years, the SS Affiliated Club Competition makes for some interesting inter- and intra-club rivalries as club members go all out to add points to the club's total and vie for recognition as the top CW or phone operator in their own club. The club competition also provides the incentive for many "non-contesters" to try their hand at the SS for the sake of the club's aggregate score. More than a few top-notch contesters went into their first SS with this same thought in mind and came away hooked on contesting.

In the Unlimited Club Category with 71 individual entries, the Potomac Valley Radio Club continues to keep member interest and enthusiasm high, and again won the gavel in this category.

The North Texas Contest Club, led by club top scorers K5ZD (no. 1 code op in the contest) and WB5VZL at the microphone, both at the N5AU station, came from a fourth place finish in '82 to take the gavel in the Medium Club Category in 1983. In a "close-as-that" finish, the Mad River Radio Club bettered their own 1982 club aggregate score by 1 megapoint, led by club stars K8AZ (phone) and WA8YVR (CW), and moved from a 5th place finish in 1982 to a close no. 2 finish in the medium category in 1983.

It seems that the '83 SS club competition saw



John Thernes, WM4T, of Covington, Kentucky, appears well suited for the job of earning 110,852 points and the fourth place KY code score.



Thirteen-year-old Brian Joy, KCØXK, placed third in Iowa on phone and fifth on CW.

12 fewer ARRL affiliated clubs (87 versus 99) in the listings than its 1982 counterpart. It means that a lot of the club names, standards in Sweepstakes of years past, have fallen by the wayside. A lot of the familiar clubs were not able to muster the three individual entries necessary to make the club listings. Maybe it's time to whip up a little enthusiasm for club participation in the 1984 SS at your next radio club meeting. Bright spots in the club listings were provided by those first-time clubs whose first club competition came with the 1983 SS. These clubs, with a little effort and experience, are destined to top the club competition listings in years to come. Welcome aboard!

We might hesitate to harp on the same thing year after year, but darn it, incomplete and sloppy SS entries are our number one problem. We can't credit an operator with a proper score listing if his/her entry is not complete or can't be read. Take a little pride in your paperwork — at least as much as you take in your operating. Do it right and we'll all benefit. 'Nuff said.

We'd like to thank Contest Aide Linda Kraut for her help in the preparation of this report.

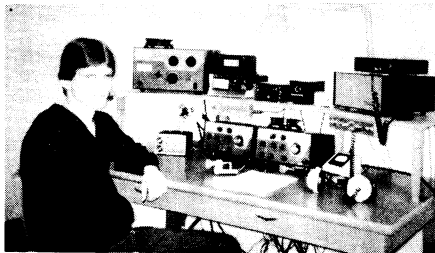
Look for those special participation/achievement awards as well as the traditional certificates and, oh yes, the "clean sweep broom" awards to begin hitting the mails about mid-May.

It seems that many of the SS '83 participants took time to say "Happy 50th to SS" and expressed wishes that they would be around for SS no. 100. Let's take it one year at a time, and plan to operate SS no. 51 on the weekends of November 3-4 (CW) and November 17-18 (phone) in 1984.

CU THEN!

SOAPBOX

It was a real pleasure to receive two "check" numbers that pre dated my own; that doesn't happen very often anymore (W4OO). Why do you guys always do this to me? SS was on my wedding anniversary, plus I was involved the day before in a rehearsal and a concert with the local symphony. Maybe I should ditch the XYL and burn my bassoon (K1PLR/3). We lived on beer, soft drinks, fried chicken, pizza and donuts, not to mention the aspirin and Alka-Seltzer. Our computer was a great tool! All we need now is an op who can type (W5GAD)! Since we worked all Sections except VE8 on phone, we propose an award next year for an almost clean sweep ... how about a toothbrush? (oprs. at WØIO). Talk about contest dedication. I drove 150 miles with a broken right leg to operate SS CW! I had my first clean sweep in five years and got it on both modes (KQ2M, opr. of W2YV). After 29 years of SS operating, it was exciting to finally make a clean sweep! Alas, however, it is embarrassing for this CW operator to do it on fone (W9GXR). Operating a university club station has its advantages! Toward the end of the contest, we had several alumnae helping us look for VE8! But alas ... it was all for naught. Thanks, alumnae (W9YB). I caught a bad cold on Thursday and my voice synthesizer broke Friday before phone weekend, but any misery is better than eating crow at dinner-bet payoff (N8RA). An interesting statistic: 85% of my 221 contacts were almost evenly distributed among hams licensed in the '50s, '60s and '70s. I had more contacts with hams licensed in the 30s than in the '40s. This is my 25th year as a licensed ham, but only my third SS. Boy, have I missed a lot of fun (K5SNO). At age 77, after 30 years off the air, I could not resist SS. I was section high in 1934, '35 '36 and '38. Things are more relaxed for me these days (WØAWP.) It figures I would have an English paper to do over the weekend. I had to decide between a high SS score or a high English grade (KA8NCR). My congratulations to the FB operators who pulled my 1-W signal out of the QRM, and my apologies for requesting repeats. A direct conversion receiver in a crowded band offers new challenges in CW copying (W4VQ). After 253 QSOs and 67 Sections with my straight key and indoor dipoles, my score looks like a lot to me, HI (WA2ASQ). Now SS is getting expensive. My wife spent the weekend in a Ft. Collins (Colorado) motel, and came home with 4 sweaters, 3 skirts, 2 blouses, a vest and a pair of gloves! (WA8MAM). Swell contest as always, but it was frustrating never to work ND! Hats off to those who managed a "sweep" (W4YE). I enjoyed SS and



Sixteen-year-old KM5R operated CW from station K5RX in Northern Texas. His 149,504 points are good for third place in his Section.



Armond, N6WR, turned in the no. 2 low-power phone score from the Sacramento Valley Section.

Clean Sweep — Both Modes

W2YV(KQ2M, opr.), K2AU, W2RQ, W2OW*, N3DAY, N3AD, W3MA, WD4AXM (opr. of N3RL on CW and opr. of W3LPL on phone), K3TM, WB3JRU, K3SA, K4BAI, K4FU, N4SA, N4BP, K1ZX4, K4XU, N4ZZ, K5TA, AA5B, K5ZD (on phone and opr. of N5AU on CW), KZ5M, W6RGG, K7JA, K16O, K6FA, W6BIP*, N6NF, N6MG, K6PY, K7OX, K7HP, WA7NIN (W6OAT, opr.), W7NI, K7SS (on CW and opr. of K7RI on phone), W7WA (on phone and opr. of W7RM on CW), WA8MAM, K8MR, WB8JBM*, W8LT*, K9RS, K9ZO, W9OBF, W9TG, W9XT, K0FVF/9*, KB0G, WA0TKJ, K0VBU, K4VX (K0RY, opr.), K0RWL.

*denotes multioperator

discovered I'm not the "crackerjack" CW op I thought I was. Oh well, perhaps next year (WB4J). I'll bet my new whisk broom that 1983 is a record year for clean sweeps (K3OO). I realized I could be in trouble when it took 450 QSOs to work next-door-neighbor NC (KX4V). Great contest. I made 503 QSOs with a straight key. Ouch! I should get bonus points, but I'll settle for sympathy (N1CKW). How about a special category for those with antennas less than 15 ft high? (WA1GUV). I worked the entire CW contest QRP 3.5 W and managed to get a clean sweep (AA2U). I have a new definition for frustration after this contest: hearing both VY1CC and VY1AO two hours before the contest ended, and then having the band die out (WA9BZW). Too bad that deer hunting season and SS phone fall on the same weekend (WB9YXY). Please accept this late entry. Believe it or not, it was locked in my trunk when I had an accident on the 18th (W9WI). It was fun to be back in SS, but these new-fangled call signs drive me nuts. (W9TG). We met lots of old friends, made some new ones, and only took two weeks to recover voices and lost sleep (WB0YUC and WD0FOF). Murphy struck after the contest when the dog chewed up two pages of my logs. It took me hours to piece them back together and recopy them. Come to think of it, these logs look like dog food anyway (KM0L). SS was harder this year, since WB0BBN seemed to beat me to my contacts. It takes longer to explain that you're really not a dupe (WD0BBN). I missed my own Section, although I heard it once. And there wasn't even a football game (KD0EV). I sure hope that I'm around for the 100th SS (W8CNL). It must have been great in the lower 48. Everything was difficult from up here (NL7P). Howls of dismay followed the cloud of smoke late Sat. night, but it was only a cooked balun in the tuner and we pressed on (N7EDV). All in all, a very successful

Affiliated Club Competition

Unlimited Category	Score	Entries	Phone Winner	CW Winner
Potomac Valley RC	6,281,770	71	W3LPL	W3LPL
Medium Category				
North Texas Contest Club	4,408,454	43	N5AU	N5AU
Mad River Radio Club	4,326,166	47	K8AZ	WA8YVR
Texas DX Society	3,751,224	35	N5DU	K5LZO/N5JJ
Yankee Clipper Contest Club	3,088,936	39	W2YV	W2RQ
Murphy's Marauders	2,734,798	42	K1WA	K1TO
Northern California Contest Club	2,430,376	28	WA7NIN	WA7NIN
Ill. Wind Contesters	1,686,806	18	K9RS	K9DX
Grand Mesa Contesters	1,138,764	17	K0UK	W0KEA
Rubber Circle Contest Club	1,134,648	14	K7RI	W7RM
Kansas City DX Club	1,226,268	12	—	KB0G
Eastern Iowa DX Assn.	1,105,056	16	W0EJ	N0GA
South Jersey Radio Assn.	1,090,260	30	K2YY	K2AA
Murgas ARC	1,079,946	25	WB3EMG	WA3YON
Lincoln ARC	1,077,280	17	K0SCM	K0SCM
Frankford RC	827,578	19	N3DAY	W2GD
Western ARA	820,426	11	K7JA	K7JA
RC of Tacoma	802,290	16	AJ7Y	W7BUN
Western Washington DX Club	500,218	12	K7GEX	AG7M
Long Island Mobile ARC	404,554	14	KS2G	W2LPA
OH-KY-IN ARS	255,228	11	NB8K	N8FU
Local Category				
Colorado Contest Conspiracy	1,837,392	9	K0RF	K0RF
River City Contesters	1,279,024	10	K16O	K16O
New Mexico Big River Contesters	982,570	6	K5TA	K5TA
Northern Ohio ARS	853,354	10	KN8R	—
Mile Hi DX Assn.	839,398	7	N2IC	N2IC
Central Florida DX Assn.	836,570	7	—	N4SA
Twin City DX Assn.	806,242	8	—	N0NO
Central Arizona DX Assn.	638,454	6	K7OX	K7OX
Southern California Contest Club	571,804	9	N6TR	—
Reading RC	508,366	10	WA3SPJ	K3WGR
Kettle Moraine Radio Amateurs	492,486	10	W9XT	W9XT
Eastern Michigan ARC	484,686	7	K8DD	K8DD
Sevier County ARC	471,244	4	—	—
Ashtabula County ARC	426,538	9	A18S	—
Schenectady ARA	418,538	5	W2ARQ	—
Binghamton ARA	385,460	6	WB2QPR	—
Willamette Valley DX Club	383,696	3	—	—
Point Radio Operating Society	381,138	3	—	—
Billerica ARS	379,890	10	K1AR	K1AR
South Florida DX Assn.	375,920	3	—	—
Gloucester County ARC	374,566	7	—	N2BK
Lynchburg ARC	369,904	8	AA4FF	AA4FF
North Florida ARS	366,982	4	—	—
Fort Wayne RC	355,608	6	KR9V	—
Rochester (NY) DX Assn.	332,098	6	AF2K	—
Southeastern DX Club	322,166	5	—	W4BTZ
Utica ARC	307,714	7	NA2A	NA2Q
Norwood ARS	292,614	6	W1EOT	K1CB
Hollywood ARC	283,864	4	N4BP	—
Fox River Radio League	282,864	7	K9BQL	K9LUW
Central Michigan ARC	281,158	8	—	W8VPC
Wichita ARC	258,798	5	—	—
Split Rock ARA	256,150	6	WB2WIK	—
Morton Area DX Assn.	252,340	3	—	—
Robbinsdale ARC	250,200	4	—	WB0HRX
Rockford ARA	249,676	8	K9LJN	—
Ventura County ARC	227,668	6	K6VMN	—
Northrop RC	220,898	6	K6HRT	—
Eastern Connecticut ARA	210,052	5	—	W1ODY
Dayton ARA	209,100	3	—	—
Sandy River ARC	202,612	4	—	—
IBM Owego ARC	176,760	4	N2NW	—
Chautauqua County Amateur FM Assn.	167,558	5	WB2YQO	—
Valley RC of Eugene	162,210	4	A17W	—
Providence Radio Assn.	145,694	5	—	—
Motor City RC	142,116	6	—	K8SIA
Rip Van Winkle ARS	139,804	4	—	—
Canton ARC	124,018	5	—	WA8ADA
Saginaw Valley ARA	123,080	4	—	K08M
Rowan ARS	119,424	4	N4UH	—
West Park Radiops	115,839	5	AF8C	—
L'Anse Creuse ARC	112,616	8	WA8QAF	—
Grumman ARC	103,068	5	W2DKM	—
Cuyahoga Falls ARC	85,166	5	KD8GC	—
Dixie DXers Contest Club	84,952	3	—	—
Poway ARS	82,270	3	—	—
West Allis RAC	81,000	3	—	—
W/K ARC of Greater Milwaukee	75,346	3	—	—
Framingham ARA	74,756	3	—	—
Southern California Contest Club	63,412	3	A16E	—
Tri City ARC	58,022	3	—	—
Davenport RAC	57,234	4	K9AYK	—
Middle Tennessee ARS	48,768	3	—	—
Overlook Mountain ARC	42,404	6	—	—
Megahertz Manor Maniacs	34,984	3	—	—
Columbus ARA	33,356	3	—	—

shakedown for the Jedi amateur station. Next year I hope the Force is with me on 40 meters (K7JA). This was my first phone SS with a cold, but it sure was a nice place to be sick (A16V/KH6). Conditions were excellent. Two senior citizens, the Geritol Set, had a great time (W6BIP and WA6DTI). This was the first time in four years that we made it through the whole weekend without someone accidentally shutting the power switch off and knocking out our computerized log (WB7TXM). I really enjoyed my first SS. I am 12 years old and am a YL. I was first licensed in '83 as a Novice. Just this summer I received my Advanced

class license. I am really looking forward to next year's contest (KA7PGW). When Murphy fails, watch out for an act of God; during the SS on Sunday morning, the new church 1 1/2 blocks away gave me a frantic call. It appears that they were hearing the SS on their new PA system during the Silent Prayer. QRT!! (W7FGT).

FEEDBACK

Please refer to pages 89-98 of May 1983 QST for the following correction: The second place phone multiop station in Oregon should be K7GDN, not K7GON.

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 1038 stations in 74 sections for a final score of 153,624 points. He operated for 22 hours and used more than 150 watts.

CW

1	Rhode Island	Southern New Jersey	N3DAY	10,952- 74-74-13-A	N4XM	112,036- 757-74-22-B	
Connecticut	K1NG (K1IG,opr.)	W2GD	158,212-1069-74-24-B	W3CNS	8064- 96-42- 3-A	WM4T	110,852- 749-74-24-B
K1TO	153,624-1038-74-22-B	K2AA (W2LYL, opr.)		N3CZB	5148- 66-39- 9-A	WB4FOT	83,952- 583-72-24-A
WIWFE	147,112- 994-74-24-B	K2YY	88,476- 606-73-24-A	WB3WVZ	4488- 66-34- 6-B	K3PI	83,860- 599-70-24-A
K1XA	140,748- 951-74-24-B	K2MK	83,580- 597-70-10-B	WA3JXW	3410- 55-31-10-A	K4DU	34,432- 269-64-15-A
K1WA	116,216- 796-73-23-B	W2PAU	54,144- 376-72-14-B	K4B3XD	2856- 51-28- 6-A	K4AAV	5304- 78-34- 3-B
AJ1G	109,062- 747-73-24-B	K2OSV	77,472- 538-72-24-A	K43IWW	2408- 43-28- 8-A	NO4R (+ KA4*AY N4S IRLTY)	109,520- 740-74-23-B
W1OD	106,856- 722-74-19-A	N2BCK	47,232- 369-64-23-A	K3YTL (AD3L, opr.)	84- 7- 6- 1-A	AA4RX (+ KA4JEE, N4JUL, WK4D)	88,128- 612-72-24-A
W1GMR	105,222- 741-71-24-B	N2BCK	42,496- 332-64-12-A	KQ3R (+ KF3Y, KQ3P, N3DPNI)	100,678- 709-71-24-B	North Carolina	
K1RM	99,456- 672-71-17-B	WB2UVB	36,828- 279-66-17-A	WB3CAI (+ KB3QI)	56,712- 417-68-19-B	W6NWS/4	74,606- 511-73-24-A
W1ECH	85,988- 581-74-22-A	WA2KOK	29,402- 241-61-15-B	N3AY (+ K3EIP)	38,080- 280-68-18-A	K4JEX	60,480- 432-70-12-A
K8VHT	85,410- 585-73-24-A	W2CIN	26,352- 216-61-20-B	K3OO (+ NET)	32,264- 218-74-10-A	K1ED	32,160- 268-60-12-A
A4ZZ	82,732- 559-74-14-A	W2FGY	19,250- 175-55-19-B	K3NZ (+ NET)	28,564- 193-74-11-A	NK4Q	31,682- 217-73-20-A
N1CC	81,844- 553-74-16-A	N2EZ	16,632- 126-66-12-A	WB3FAA (+ KA3ILD, WB3JPC)	21,780- 198-55- 7-B	N4QY	16,016- 143-56-13-B
K1DW	79,240- 566-70-24-A	K42BEW	8,600- 100-42- 6-A	N3CSG (+ N3LR)	21,016- 142-74-20-A	Northern Florida	
W1ODY	70,932- 514-69-16-A	W2HBE	7,800- 100-39-11-A			N4SA	154,660-1045-74-24-B
KA1CI	66,920- 478-70-24-A	W2DHD	6,764- 89-38-15-A	W3LPL	162,356-1097-74-24-B	K4XS	129,648- 888-73-24-A
W1BIH	66,156- 447-74-12-B	W2GND	6,566- 67-49- 5-A	N2FB	148,482-1017-73-24-B	N4WW	109,198- 769-71-16-B
K1GX	65,940- 471-70-11-B	N2MR	3,016- 52-29- 3-A	N3RL (WD4AXM, opr.)	142,524- 963-74-24-B	N4AN	67,744- 464-73-11-A
K8KA/1	60,912- 423-72-21-A	KA2COX	24- 4- 3- 1-A	N3AM	137,344- 928-74-24-B	K4VRT	38,912- 304-64-16-A
K1YRP	60,168- 436-69-13-A	AB2Y (+ AB2Z, WA2S NBL, VYA, WB2BYU)	121,472- 832-73-24-B	K3NA	136,604- 923-74-24-B	W4VQ	31,624- 236-67-11-A
K1BV	53,170- 409-65-11-B	Western New York		K1GD	120,768- 816-74-23-B	W4LE	23,540- 215-55-16-A
KA1VC	47,520- 396-60-24-B	K2IGW (WA2LCC, opr.)		K3ZZ	120,324- 813-74-24-B	NU4Y	828- 23-18- 2-A
W1HV	45,424- 334-68-23-A	K2ZJ	119,428- 818-73-21-B	WA3KCY	115,144- 778-74-24-B	WC4E (+ AK4C)	105,840- 735-72-22-A
WA1FCN	45,140- 305-74-18-A	KQ2K	93,862- 661-71-24-A	K3TM	110,260- 745-74-24-A	N4UF (+ NR4E)	84,680- 580-73-24-B
W2WIP	43,810- 337-65-11-A	W2TZ	91,632- 664-69-15-A	K3HPG	95,164- 643-74-17-A	South Carolina	
KM1G	41,072- 302-68-18-B	W8ROE	79,660- 569-70-22-A	W3FG	88,948- 601-74-24-A	WQ4V	67,744- 464-73-12-B
KG1D	36,698- 311-59-18-B	W2HFP	78,256- 536-73-16-B	K3SA	87,320- 590-74-15-B	N4EE	23,256- 204-57-14-A
KM1P	35,216- 284-62-12-A	WA2DHS	74,888- 506-74-22-A	K13L	86,762- 611-71-19-B	K4ADI	2500- 50-25- 3-A
WA1LJP	31,920- 280-57-17-B	K2MQY	57,456- 399-72-19-A	W3HVQ	76,314- 553-69-18-B	WA4JUZ	338- 13-13- 2-A
K11	30,480- 254-60-22-A	N2EAW	49,432- 334-74-21-A	W3UJ	72,144- 501-72-14-B	Southern Florida	
K1NYK	30,250- 275-55- 9-B	NA2Q	48,422- 341-71-22-A	W3FA	70,290- 495-71-19-A	K12X/4	145,040- 980-74-24-B
W1PMR	28,404- 263-54-14-A	N2TW	47,320- 338-70-12-A	W3JRJ	68,820- 465-74-14-B	N4BP	135,864- 918-74-24-B
K1DM	26,880- 224-60- 9-B	N2JC (K2VD, opr.)	44,574- 323-69-15-A	W3ICM	64,532- 442-73-20-B	W4WJ	122,544- 828-74-24-B
KA1JOW	18,000- 180-50-22-A	W2GJ	40,560- 312-65-10-A	K3D1	57,744- 401-72-13-B	WD4AHZ	58,108- 398-73-19-A
W1XX	7168- 112-32- 2-B	WA2EYA	40,120- 295-68-16-A	W3GRF	56,420- 434-65- 9-B	KO4D	42,780- 310-69-23-A
WB1EVI	4896- 72-34-10-A	K2XU	38,448- 267-72-12-B	W3EE	46,632- 348-67-16-A	N4GV	13,356- 126-53- 8-B
WA3VIL	4408- 58-38- 8-A	KU2A	37,252- 278-67-23-B	K3RY	28,420- 203-70-22-A	Tennessee	
KB1H	3328- 64-26- 2-B	K2KB	33,696- 234-72-24-A	W3FQ	25,680- 214-60-16-B	K4XU	136,900- 925-74-24-A
N1JW (+ K1GX)	78,242- 551-71-19-A	WA2FOE	33,150- 255-65-22-A	N3II	22,052- 149-74- 9-B	N4ZZ	102,416- 692-74-24-B
WA1KOJ (+ WA1LWV)	56,718- 411-69-21-B	N2GU	33,048- 234-68-19-A	W3FX	11,750- 125-47-17-B	K4OAQ	69,660- 569-70-16-A
Eastern Massachusetts		N2CU	31,500- 250-63- 5-B	N3GB	10,302- 101-51- 3-B	WM4Z	63,948- 438-73-21-A
K1XM	141,636- 957-74-24-B	N2JW	28,400- 200-71-13-A	W3TF	7548- 102-37-11-A	K3CO	62,172- 471-66-15-B
K1VR	136,900- 925-74-24-B	NA2VW	16,610- 151-55- 7-A	N2API	4488- 68-33-13-A	N4F4	39,260- 302-65-14-A
W1WAI	109,964- 743-74-20-B	KA1YE	14,280- 140-51- 9-A	W3GN	4216- 68-31- 5-B	WB4MUZ	38,488- 283-68-16-B
K1AR	107,310- 735-73-14-B	K2RDO	10,058- 107-47-21-A	W3FZV	2016- 48-21- 3-A	WB4FNN	12,480- 104-60- 9-A
K1CB	98,256- 712-69-20-B	K2UAN	7412- 109-34- 9-A	W3UT	1020- 30-17- 1-A	K4XO	10,952- 74-74- 8-A
K1VUT	97,976- 662-74-24-A	WB2YQO	1292- 34-19- 3-A	K3AA (+ K3ZNV, KA3S, EWV, JMR, KB4BYK, N3TE, N7IR)	47,570- 355-67-19-A	K4T4F	9374- 109-43-10-A
WB1CNM	87,080- 622-70-24-B	W2OW (N2s AEY, HIR, N6IN, oprs)	80,660- 545-74-21-B	Western Pennsylvania		N4DW (+ KB4EX)	90,724- 613-74-21-B
WA2TBA	79,800- 570-70-24-A	KW2J (+ KA2HJC, W2IMO)	60,066- 423-71-24-A	K3UA	160,876-1087-74-24-B	Virginia	
WA1UDH	63,332- 446-71-19-A	KA2OUO (+ KA2RSY)	53,198- 397-67-21-A	WA3FYJ	115,884- 783-74-24-A	K4POL	136,604- 923-74-24-B
KC1Q	61,410- 445-69-16-B	N2RRR (+ N2EIK)	8140- 110-37- 5-A	K3LWM	105,376- 712-74-24-B	W4YE	119,574- 819-73-22-B
WA0AXH	59,432- 437-68-23-B	N.Y.C. & Long Island		N3ZZ	72,864- 506-72-20-A	K2NA	119,288- 806-74-22-B
K1SEC	56,448- 441-64-24-B	K2AU	118,252- 799-74-24-B	W3WC	51,336- 372-69-19-A	AA4FF	104,636- 707-74-24-B
W1IHN	56,356- 386-73-13-B	KA2AEV	94,868- 641-74-23-A	AG3H	46,080- 320-72-19-B	W4XD	75,336- 516-73-17-B
W1KEE	55,522- 391-71-22-A	N2MG	86,876- 587-74-21-A	KG3V	42,380- 326-65-14-A	N4UU	72,520- 490-74-19-B
K5MA/1	51,272- 377-68-11-A	K2SX	83,768- 566-74-13-B	W3HDI	36,984- 268-69- 6-B	K4FJ	71,000- 500-71-13-A
KA1CLV	45,440- 320-71-21-A	W2LPA	49,580- 370-67-20-A	KC3DA	35,960- 290-62-19-B	KJ7K	68,018- 479-71-17-B
KC1F	42,380- 326-65- 7-B	WA2CBX	28,792- 236-61-10-A	W3AWW	27,938- 229-61-11-B	W4RX	64,856- 484-67- 8-B
W1RND	33,852- 273-62- 9-A	WA2KRO	27,022- 229-59-11-B	N3NGO	19,400- 194-50-12-A	K4V4	64,468- 454-71-16-A
W8PS	31,584- 282-56-18-A	W2TCR	20,900- 190-55-16-A	KA3GXP	13,566- 133-51- 9-A	K4FPF	58,904- 398-74-22-A
W1AX	29,600- 200-74-10-A	WB2EZG	20,670- 195-53- 5-A	K3WGA	10,220- 73-70-15-A	N3OS	56,658- 399-71-20-A
K1UCA	26,864- 184-73-17-B	W2SCL	16,072- 164-49- 7-B	W3CR (K13C, WB3KKX, oprs)	98,568- 666-74-20-B	N4MM	43,488- 302-72-20-A
KE1U	24,128- 208-58- 6-A	K2HVN	9024- 92-47-24-A	K3TX	72,100- 515-70-20-B	K4TM	42,880- 320-67-10-A
W1WH	23,760- 198-60- 8-A	W2KTF	8320- 104-40- 5-A	WA3JLD	71,424- 496-72-23-A	WD4ELJ	39,072- 296-60-20-A
K1GEP	20,196- 187-54-19-A	WB2FMP	7138- 83-43-13-B	K3CM	62,604- 423-74-20-A	WB4J	38,860- 290-67-18-A
KB2R	17,688- 134-66-12-A	W2DX	5700- 75-38- 4-A	K3EGE	52,824- 372-71-14-A	W4NM	28,248- 214-66-16-A
N1OY	15,408- 107-72-16-A	KA2QQT	1200- 30-20-14-A	WA3GLX	50,400- 400-63-11-A	K4OD	27,572- 226-61- 7-B
KD1U	12,936- 132-49-16-A	W2TNI	144- 9- 8- 2-A	K3VW	44,844- 303-74-24-A	K4JST	26,904- 236-57- 6-A
KB1EW	10,208- 116-44-11-A	N2RQ	84- 7- 6- 4-A	WA3YON	40,524- 307-66-20-A	WM4I	26,040- 210-63-12-A
N1AJJ	8514- 99-43- 7-A	N2CKN (+ W2NN)	1020- 30-17- 4-A	W3DZH	37,536- 276-68-18-A	N4JHN	23,548- 203-58-11-A
KQ1F	8510- 115-37- 7-A	Northern New Jersey		W3ADE	32,612- 263-62-15-A	W3YY	22,776- 219-52- 6-B
W1PLJ	7812- 93-42-10-B	W2RQ	158,804-1073-74-24-B	KR3I	32,128- 251-64-10-B	N4RA	20,280- 195-52- 5-A
KB1KM	7800- 75-52-15-A	W2VJN (WA2ZKY, opr.)		W3CEI	31,598- 259-61-14-B	KD4NI	18,408- 177-52- 5-B
W1UW	6438- 87-37- 2-B	K2ZS	144,004- 973-74-23-B	W3MA	31,080- 210-74-13-B	W4KFC	14,994- 153-49- 3-A
WA1EOT	5184- 81-32- 2-A	KY2P	137,788- 931-74-24-B	WA3SPJ	30,500- 250-61-21-B	K4JSI	13,348- 142-47-14-A
W1TUM	4158- 63-73- 6-A	AA2U	113,616- 789-72-24-A	N3CXB	29,184- 256-57- 9-A	N3JT	10,952- 74-74-14-B
AJ1I	2700- 50-27- 1-A	KW4E/2	97,088- 656-74-24-A	KA3EWT	27,960- 233-60-21-B	WA4MTP	9400- 100-47- 4-A
KC1X	2600- 50-26- 2-A	K1Q	41,340- 318-65-15-A	W3BGN	27,000- 250-54- 5-A	WC4B	2200- 50-22- 1-A
N1CLK	2100- 50-21- 6-A	W2KWW	39,468- 286-69-14-A	W3JPW	26,314- 223-59-22-A	N3RC	1470- 35-21-24-A
N1CVK	2088- 36-29- 9-A	WA2ASQ	33,902- 253-67-22-A	N3DRF	24,966- 219-57-12-A	KB4EXV	364- 14-13-12-A
Maine		KT2B	29,760- 240-62-12-A	AG3G	24,948- 231-54-14-A	WA4POX (AA4AT, N4S FLF, GTU, WA4TDS, oprs.)	49,152- 384-64- 9-B
WB1GLH	41,480- 305-68-19-A	WA2UDT	22,880- 208-55- 8-A	KB3GL	24,072- 204-59-15-A	WI4B (+ WB4WDW)	41,814- 303-69-19-A
K5IG	32,864- 316-52- 6-B	W2T1	14,076- 153-46- 8-A	W3ARK	24,012- 207-58- 6-A	West Indies	
AK1W	22,550- 205-55-						

0					
Colorado					
K0RF (W0UA, opr.)	172,134-1179-73-24-B				
N2IC	171,680-1160-74-24-B				
W0YK	153,008-1048-73-24-B				
N9NC	152,292-1029-74-24-B				
W0IJR (K0EU, opr.)	139,860-945-74-24-A				
KY0S (N0EBM, opr.)	133,052-899-74-22-B				
W0KEA	123,284-833-74-23-B				
AC0S	106,128-737-72-18-B				
K0BN	87,756-618-71-23-B				
KJ0G	86,578-593-73-23-B				
W2FV/0	81,252-549-74-22-B				
KI0J	45,500-350-65-23-A				
W0DK (KR0U, opr.)	43,692-331-66-18-A				
N0CNV	41,600-325-64-19-A				
W0SG	40,896-284-72-17-A				
W0G0R	33,528-254-66-21-B				
KA1JOD	23,932-193-62-18-A				
W0RSG	23,826-209-57-16-A				
W0IZV	4352-68-32-7-A				
K9MWM/0	2408-43-28-7-A				
K0UK (+ K07EY)	121,656-822-74-24-B				
KC0D (+ K0DY, WA0UJO)	118,992-804-74-24-B				
Iowa					
N0GA	149,036-1007-74-24-B				
K0LUZ	143,225-981-73-24-B				
W0EJ	125,652-649-74-24-B				
K0S	89,318-629-71-24-A				
KC0XK	59,540-458-65-23-B				
N0BB	52,706-361-73-20-A				
W0JTC	26,780-206-65-11-A				
W00GVY	24,192-215-56-16-A				
W0SS	22,344-196-57-6-A				
W0IZ	21,312-144-74-20-A				
KC0Q	20,720-140-74-10-A				
W0YBV	8056-76-53-24-A				
W0IO (KA0PFC, N0EBA, oprs.)	63,784-476-67-20-A				
KA0LUZ (+ KA0PHJ)	48,688-358-68-20-A				
N0EEN (+ N0ELV)	38,916-282-69-18-A				
Kansas					
KB0G	138,676-937-74-24-B				
K0VBU	102,860-695-74-21-A				
WA0TKJ	92,056-622-74-18-B				
N7DF	84,840-606-70-14-B				
W0AWP	32,912-242-68-21-A				
KF0M	30,222-219-69-8-B				
WA0CFZ	28,768-232-62-22-A				
KV0D	21,804-158-69-15-B				
W00HAG	2-1-1-1-A				
AB0S (+ K0WA)	136,900-925-74-24-B				
Minnesota					
N0NO	147,314-1009-73-24-A				
W0W0W	122,840-830-74-24-B				
W0HW	119,706-843-71-24-B				
K0IJL	105,080-710-72-22-A				
K3WT	97,820-670-73-24-A				
WB0HRX	87,636-654-67-20-B				
WA0QIT	86,620-610-71-24-A				
KS0T	79,200-550-72-23-A				
KN0D	78,810-555-71-23-A				
W0YCR	76,020-543-70-16-B				
K0IHG	66,240-450-72-15-A				
K0MPH	62,832-462-68-16-A				
K0FZG	62,764-442-71-21-A				
N0BSH	53,960-380-71-18-A				
WB0BJP	46,200-330-70-23-A				
WA0VWW	45,866-323-71-22-A				
WA2HFI/0	33,098-247-67-16-A				
N0BG	30,104-212-71-7-A				
WB0UKI	21,708-402-54-8-A				
WA0VXQ	15,820-113-70-24-A				
WA0WHT	13,362-131-51-10-A				
Missouri					
K4VX (KR0Y, opr.)	168,128-1136-74-24-B				
K0RWL	122,544-828-74-24-A				
KM0L	114,902-787-73-23-B				
K0DEQ	76,896-534-72-14-B				
W0H0B	75,600-540-70-18-B				
N0EVC	26,668-226-59-17-A				
K0A0P	20,608-184-56-8-A				
W0KCG	9112-68-67-10-A				
W5BDL	4602-59-39-14-A				
KA0KKV	680-20-17-9-A				
KM0R (+ KM0P)	61,320-438-70-16-B				
W0EEE (+ KA0S GCR,JXX,WB0S YKG,ZGD,W00ELL, oprs.)	7560-108-35-5-A				
Nebraska					
K0SCM	112,924-763-74-21-B				
KB8N/0	96,052-649-74-23-A				
KV0I	77,280-552-70-13-A				
K0HA	70,840-506-70-18-B				
W0KK	29,868-262-57-15-B				
KA00SK	4864-64-38-11-A				
K0DI (+ K0NB)	114,594-807-71-24-B				
North Dakota					
KI3V/0	86,496-636-68-20-B				
W0LHS	7442-61-61-8-A				
KA0NUQ	966-23-21-14-A				
South Dakota					
WD0CXU	92,868-654-71-14-B				
WA3PWL/0	53,676-378-71-11-A				
VE					
Maritime - Newfoundland					
VO1AW	18,240-160-57-8-B				
Quebec					
VE2DPO	54,288-377-72-23-A				
VE2AQP	51,982-366-71-17-B				
Ontario					
VE3JQT	103,660-710-73-23-A				
VE3IRF	39,274-269-73-24-A				
VE2WA/3	11,554-109-53-5-A				
VE3ART (VE3s ABG,ATD,DEO,GAS, GLD, oprs.)	115,588-814-71-22-B				
Manitoba					
VE4RF	34,452-261-66-12-A				
VE4ALO	23,790-195-61-13-A				
VE4AEX	22,050-175-63-22-A				
Saskatchewan					
VE5XK	160,432-1084-74-24-B				
Alberta					
VE6OU	98,420-665-74-15-A				
VE6WQ	95,922-657-73-18-B				
VE6UX	72,964-493-74-23-A				
VE6CQG	37,122-269-69-24-A				
VE6BND	13,668-134-51-15-A				
VE6ATT	1680-35-24-4-A				
British Columbia					
VE7YU	80,928-562-72-18-A				
VE7IN	78,540-561-70-20-A				
N.W.T. - Yukon					
N0TT/VE8	97,382-667-73-21-B				
VE8JG	37,696-304-62-17-A				

PHONE

Connecticut		N1CLK 400- 25- 6- 4-A K5NA 150- 15- 5- 1-A W1TZK (K1s BAUR, KA1s IKW, JWE, N1s ADY,CPE,WB8TDA, oprs.) 38,896- 286-68-22-B		WB1HIN 3400- 50-34- 2-B KS1N (+ KB1W) 148,464-1031-72-23-B N1XZ (+ WA1VEI) 114,912- 798-72-24-B N1CC (+ KR1B) 103,952- 712-73-19-A W1YK (AK1J,KA1KUB,N1BLM, WA2YHZ,W4DN4X, oprs.) 53,760- 420-64-21-A K1RM (Multiop) 392- 14-14- 1-A		W2K1FH 1300- 12- 12- 2-A K2J1H 484- 22-11- 2-A AE2E (+ KA2AAN,WA2KRO) 39,910- 307-65- 8-B		WA3PNQ 31,500- 250-63-19-A KB2NU 30,800- 220-70- 7-A NA2Q 30,102- 260-58-11-A W2FXA 29,670- 215-69-10-A W2VDX 29,376- 204-72-14-B WB2YQH 28,800- 200-72-12-A WA2DHS 27,572- 226-61- 6-B WB2QPR 23,424- 192-61-11-A N2CIC 22,302- 189-59-20-B N2QU 20,200- 202-50- 3-B KDQZ 13,716- 127-54- 7-A W2PHT 8640- 101-45- 6-A WB2SGS 5254- 71-37- 5-A N2GU 1152- 32-18- 2-A N4TW2 48- 6- 4- 1-A W2OW (K2OC,KA2CDE,KG2Y,KI2P, N2s AEY,HR,N6IN,oprs) 17,044- 120-73-24-B W2OFOQ (+ K2s GVI,YA1KA2s FTU, NIL,TA,KBs 2YU,3RG,KC2RN, K2OH, N2s DKB,DLG,DSV,N3DLL, N5BGY,WLHA,WA2s FLX,NKC, WB2s HLY,MNA,RBA) 95,760- 665-72-24-B KF2X (+ N2BKX,N2CFN) 75,776- 512-74-21-B KA2QUO (+ KA2RSY) 52,966- 373-71-20-A KC2GL (+ KA2HVB) 9306- 99-47- 8-A		
K1WA 121,824-846-72-17-B KG1D 94,752-658-72-18-B K1GX 81,508-574-71-12-B K1EFI 77,552-524-74-21-B KM1P 73,292-502-73-16-A WB1EYI 69,000-500-69-24-A K1NYK 68,310-495-69-16-A WA1LJP 62,444-466-67-21-B N1JW 60,168-436-69-10-B W1GNR 60,048-417-72-20-A K1THP 53,592-406-66-11-B KA1JQW 52,164-419-63-24-A WA2WIP 46,512-342-68-13-A K1IN 38,682-307-63-18-A KG1D 36,698-311-59-18-B KH6WZ 33,804-313-54-16-A K1YRP 32,508-258-63-9-A K1RM 32,400-270-60-7-B K1DM 28,644-231-62-7-B KA1CI 27,548-388-71-17-A K1DII 24,640-224-55-4-A W1BIH 21,608-148-73-5-B W1PMR 18,040-220-41-14-A W1SG 12,638-89-71-10-B WA3VIL 9450-105-45-5-A K1KI 7560-90-42-1-B K1CC 4466-77-29-1-B KA1EBI 1800-45-20-10-A KB1N 1558-41-19-1-B W1XX 1530-45-17-1-B AA2Z (+ W10D,K8KA) 186,332-1259-74-24-B K1DW (+ K1NCD,N1ACM) 118,368-822-72-23-B WA1KOJ (+ WA1LVW) 72,494-541-67-18-B	Maine K1JB 110,334-777-71-20-B KB1CV 51,060-370-69-20-B KS1G 26,680-290-46-5-B KA1ZX 23,940-210-57-17-B K1PV 19,684-133-74-14-A W1OTQ 12,688-122-52-9-A WB1GLH 7656-87-44-12-A W1KX (+ KA1s JGF,TJ,KB1JF) 64,588-482-67-23-A K1RM (Multiop) 2500- 50-25- 4-A		New Hampshire AF1T 142,350-975-73-22-B AK1K 61,180-437-70-24-A WA1PAX 13,800-138-50-11-A W1ET (WA1UUA,KA2GKV, oprs.) 24,924-201-62-6-B K1RM (Multiop) 364- 14-13- 1-A		Rhode Island KM1X 85,960-614-70-16-B K1VSJ 67,620-483-70-21-B WA1EXP (WB3HVS, opr.) 51,408-378-68-14-A KS1J 33,536-262-64-13-A A1IK 22,244-170-67-13-A K1DS 16,610-151-55-6-A W1RFQ 7442-61-61-7-A KA1AWS 4980-83-30-10-A KM1G 4312-77-28-4-A W10P (N1BBM,WA1RKL,WB1FDY, oprs.) 61,372-458-67-17-B		Northern New Jersey KZ2S 151,060-1079-70-20-B WB2WIK 107,018-733-73-21-A W2RQ 75,184-508-74-6-B K2RF 46,944-326-72-15-A W2KXD 39,456-274-12-17-B KW4E 25,320-211-60-13-B WA2UDT 25,200-200-63-5-A W2GWN 13,344-139-48-12-A KI2Q 11,750-125-47-6-A N2COH 10,384-118-44-6-A K2BJG 8848-79-56-4-B KB2ZQ 4158-63-33-2-A AA2U 1512-38-21- 1-A KC2OM (+ KA2OAR) 24,940-215-58-13-A		Southern New Jersey K2YY 171,504-1191-72-24-B WA2KOK 96,214-659-73-22-B KZ2I 81,176-556-73-22-B W2FGY 54,924-398-69-21-B K2JLA 43,824-332-66-17-B W2ORA 41,400-300-69-14-B N2DZY 39,390-303-65-12-A WB2KQC 30,552-228-67-16-A N2DMK 23,246-197-59-21-A KA2SGD 23,210-211-55-17-B KB2GW 20,670-195-53-13-A WB2ERI 20,196-187-54-16-B W2HBA 17,136-153-56-8-B W2CN 17,034-167-51-11-B WB2UVB 16,116-158-51-12-A N2EZ 13,272-158-42-1-B WA2AWS 12,508-118-53-6-A WA2DUE 11,508-137-42-13-B W2REB 6724-82-41- 5-A KD2AE 6106-71-43-12-B KA2FO 5120-64-40-12-A W2HBE 2600-50-26- 5-A N2AWC 2500-50-25- 8-A AB2Y (+ ABZ2,WA2YYA,WB2BYU) 135,196-926-73-24-B WA2DHD (Multiop) 48,100-370-65-19-A	
Eastern Massachusetts K1VR 170,496-1184-72-24-B K1AR 156,880-1060-74-14-B W1FM 97,488-677-72-22-A KQ1F 88,892-626-71-20-B WA2TBA 76,2-522-73-22-A WA1EOT 74,504-556-67-11-B K1VUT 72,414-517-71-17-A KB1EW 51,612-374-69-24-A KB1GN 48,440-346-70-18-B K1CB 42,700-305-70-8-B N1AU 35,092-283-62-8-B W1TUM 31,616-247-64-15-A KB3MB 31,590-243-65-24-A KA1EKR 24,308-206-59-16-A W1AX 18,768-136-69-6-A KE1U 11,324-149-38-4-A N1CVK 11,000-110-50-19-A KC1Q 10,560-110-48-3-A AJ1I 10,396-113-46-2-A KB1KM 8256-86-48-10-A		Western Massachusetts K1JUB 110,334-777-71-20-B KB1CV 51,060-370-69-20-B KS1G 26,680-290-46-5-B KA1ZX 23,940-210-57-17-B K1PV 19,684-133-74-14-A W1OTQ 12,688-122-52-9-A WB1GLH 7656-87-44-12-A W1KX (+ KA1s JGF,TJ,KB1JF) 64,588-482-67-23-A K1RM (Multiop) 2500- 50-25- 4-A		New York City - Long Island N2MG 123,516-846-73-23-B K2AU 111,148-751-72-21-B WB2DHY 97,494-663-69-21-A KS2G 71,616-539-72-19-A KC2XQ (WB2DIN, opr.) 76,648-572-67-18-B W2DKM 61,920-430-72-19-A KA2AEV 48,990-345-71- 9-A W2LPA 36,828-279-66-19-A WA2SCI 34,800-290-60-12-B N2RQ 24,404-282-61-10-B W2GKZ 22,800-200-57-10-B WB2FMP 15,400-154-50-10-B KK2E 14,560-182-40- 3-B K2OVS 14,000-100-70-12-A K2DOD 10,010-143-35- 8-A		Delaware N8NA 35,518-301-59-6-A W2LTP 10,608-102-52-7-B AC3T (+ KA3B) 132,568-908-73-23-B K2GE (WA2NKK,WB2s,ANM,SNM, oprs) 16,986-149-57-15-A		Eastern Pennsylvania WA3SPJ 162,352-1112-73-23-B WB3EMG 137,824-944-73-24-B WB3FAA 116,156-818-71-22-B KH6CP 86,256-599-72-24-B K3MRG 86,190-663-65-19-A K3WGR 79,520-560-71-16-B WB3FYT 76,032-528-72-21-B N3CHL 60,480-420-72-20-B K3DAY 60,048-417-72-21-A NB3DY 52,392-354-16-8-B WB3CIW 44,352-308-72-10-B N3AVZ 41,496-364-57-15-B WB3YON 40,170-309-65-13-A W3DZH 37,800-270-70-18-A WB3FNZ 37,264-274-68-12-A N3AD 32,116-217-74- 6-B		

WB3CAI 29,498- 301-49-16-A
WA3KBH 28,910- 245-59-19-A
KC3AD 27,984- 212-66-14-A
W3ARK 26,790- 235-57- 8-A
KB3JK 25,960- 220-59-11-B
KA8AVA 25,308- 222-57-19-A
WB3EPW 24,510- 215-57-12-B
AA3B 17,802- 207-43- 5-B
N3CWS 15,370- 145-53-14-A
W3KOC 14,700- 150-49-18-A
KB3FZ 11,844- 130-47-10-A
W3MA 10,952- 74-74- 7-A
N3DRF 10,350- 116-45- 6-A
KC3M 10,224- 72-71- 8-B
KA3BXD 9870- 105-47-12-A
WB3BOT 9416- 107-44-10-A
KB3OI 7720- 95-38- 7-A
WA3JXW 7400- 100-37- 5-B
N3CBX 7128- 81-44- 3-A
KR3I 6336- 88-36- 6-A
W3HMR 4930- 85-29- 4-B
KA3FWW 4234- 73-29- 6-A
WB3AAL 3422- 59-29- 4-A
K3MWA 2430- 45-27- 3-A
N3CZB 972- 27-18- 9-A
WA3LGG 98- 7- 7- 2-A
KQ3R (+ KF3Y, KQ3P,N3DPN) 144,414- 1017-71-22-B
WB3IWX (+ N3AXB,WA3NVS) 63,648- 468-68-20-B
KM3N (+ K3KW) 30,464- 224-68-22-B

Maryland D.C.

W3LPL (WD4AXM, opr.) 212,972- 1439-74-24-B
N2FB (KC8C, opr.) 190,032- 1284-74-24-B
K3ZJ 186,480- 1260-74-24-B
KA1GD 184,398- 1263-73-23-B
K3TM 151,552- 1024-74-21-B
K3ZZ 138,672- 963-72-24-B
N3RL 134,758- 923-73-21-B
K3DI 129,600- 900-72-22-B
N3GB 118,844- 814-73-24-B
K2ITG 111,812- 769-74-20-B
W3ICM 106,416- 739-72-21-B
W3UJ 102,950- 725-71-16-B
KC3EK 82,436- 557-74-22-A
K3L 74,976- 526-71-12-A
W3HVM 62,580- 447-70-16-B
W3JPT 62,480- 440-71-22-A
K3ZNV 58,926- 427-69-15-B
K3HPG 54,288- 377-72-11-A
W3AZ 52,682- 371-71-18-B
N3AOE 49,140- 351-70-24-A
WB3JRU 48,988- 331-74-24-B
W3VPL 38,040- 317-60-16-A
KA3DXZ 37,654- 281-67-15-A
W3FA 37,170- 296-63-18-A
K3TW 30,932- 209-74-14-B
K3RY 30,096- 209-72-23-A
K3SA 29,600- 200-74- 9-A
WA3RGH 28,644- 231-62-1-A
W3JDT 26,840- 220-61- 6-A
W3FOE 22,458- 197-57-17-B
W3EE 18,256- 163-56- 8-A
N3API 17,052- 147-58-10-A
W3EVQ 10,250- 125-41-17-A
N3II 4480- 70-32- 2-A
W3GNQ (+ W3FG) 112,036- 757-74-22-B

Western Pennsylvania

K3UA 183,668- 1258-73-19-B
K3LWM 154,468- 1058-73-23-B
KB3WX 76,896- 534-72-21-A
AG3H 63,344- 428-74-16-A
AD8J 36,594- 271-57- 4-B
WA3AWW 36,168- 274-66-10-B
W3QII 25,296- 204-62-16-A
KF3C 24,120- 180-67-17-A
KA3AUX 5040- 72-35- 3-A
K1PLR 1806- 43-21- 4-A
WA3PCX 1080- 27-20- 3-A
W3KWH (AK3J,K3RYA,KA3s IVB, LIW,N3AQK,W3SJV,WB3s BRY, KXX,WN3VAW, oprs.) 72,380- 517-70-17-B
W3WC (+ N3BP0) 38,500- 275-70-19-A

4

Alabama

N4KGM (KC4ZV, opr.) 189,884- 1283-74-24-B
W4NTI 94,720- 640-74-17-B
KA1QJ 67,4P2- 489-69-20-A
KF4FN 50,2P4- 439-58- 6-B
KA4PKB 40,020- 290-69-15-B
WD4PVI 26,640- 222-60-14-B
K4GSK 10,082- 71-71-15-A
W4CUE (KA4s WMM,LEN,TGW, KB4AQK,KA4DQ,W4EVD,WA4s QLA,RAJ,RNP,WD4XE, oprs.) 42,250- 325-65-18-B

Georgia

K4BAI 175,824- 1188-74-24-B
KC9BC 56,700- 225-54-12-B
K4KKJ 46,782- 339-69-15-A
K4BAM 34,928- 236-74-10-A

KE4XT 29,078- 217-67-12-A
AA4GA 23,562- 187-63- 5-A
KV4A 19,920- 166-60- 7-B
KI4Y 13,144- 124-53- 9-A

Kentucky

K4FU 150,664- 1018-74-23-B
ND4Y 62,338- 439-71-10-B
WA3DNC 50,256- 349-72-16-A
WB4OSS 47,952- 329-74-15-B
W4XT 40,740- 582-70-22-A
NO4R (+ KA4TAY, NM4M,N4IRX, WD4LAM) 162,352- 1112-73-24-B
AA4RX (multiop) 20,184- 174-58- 3-B

North Carolina

N4QY 94,752- 658-72-23-B
N4UH 76,886- 520-74-12-B
K4JEX 68,180- 487-70- 6-B
W6NWS/4 67,044- 453-74-24-B
WD4AVY 59,184- 411-72-19-A
WB4VIM 30,132- 243-62-17-A
K4NHO 22,572- 198-57-19-A
KA4RTJ 13,708- 149-46- 9-A
WB4AQK 12,814- 149-43-10-A
N4ZC 10,952- 74-74- 9-B
N4CYG 8400- 100-42- 9-A
K1ED 8240- 103-40- 4-A

Northern Florida

N4SA 194,472- 1314-74-21-B
K4XS 184,544- 1264-73-24-A
NU4Y 131,254- 899-73-22-B
WC4E 121,034- 829-73-20-A
W4IIR 55,188- 378-73-17-B
N4MS 15,732- 138-57- 8-B
N4HKQ 15,456- 138-56-16-A
W4WQ 10,400- 100-52- 3-A
N4VWW (+ N4XN) 268,472- 1814-74-24-B
N4UF (+ NR4E,WB4YEV) 150,220- 1015-74-24-A

Southern Florida

N4BP 148,000- 1000-74-17-B
K1ZX/4 108,336- 732-74-10-B
WA4FSP 92,796- 627-74-24-A
WA4FIB 70,140- 501-70-21-A
N5FIY 7332- 78-47- 9-A
W4JM 3468- 51-34- 2-A
W4OO 1680- 42-20- 2-A
KA4UBC 18- 3- 3- 1-A
W2AAN 2- 1- 1- 1-B

Tennessee

K4XU 165,612- 1119-74-24-A
WM4Z 104,784- 708-74-20-A
N4ZZ 80,956- 547-74- 9-B
NF4F 66,930- 485-69-14-B
K4PJ 30,636- 207-74- 8-B
K3CQ 26,544- 237-56-15-B
K4XO 10,952- 74-74- 8-A
WB4MUZ 9680- 121-40- 8-A
KA4MRR 1008- 28-18- 2-A
KE4TX (+ KB4PH) 600- 40-15- 2-A

Virginia

KD4NI 200,750- 1375-73-24-B
W3YY 185,472- 1288-72-24-B
N3JT 153,360- 1065-72-21-B
N4UU 96,652- 662-73-21-B
AA4FF 84,242- 577-73-18-B
WC4B 77,904- 541-72-24-A
N4MM 76,960- 520-74-17-A
K4CB 75,190- 515-73-20-B
WN4VAU 56,012- 418-67-24-A
KB4NT 51,246- 351-73-17-A
W4XD 50,250- 375-67-12-B
WD4ELJ 45,406- 311-73-18-B
WB4J 41,076- 326-63-15-B
W4YE 39,000- 300-65- 7-B
K4YT 34,036- 254-67-10-B
W4JLS 32,384- 253-64-18-A
N4XD 31,860- 295-54-10-B
AF4O 30,080- 235-64-13-B
WB4ZPF 28,014- 203-69-18-A
N4JHN 27,348- 258-53-18-A
N4JGM 27,156- 219-62-24-A
W4NND 19,800- 180-55-13-A
N4RA 15,912- 153-52- 5-A
W4WWQ 15,622- 107-73-16-A
KA4ERK 15,048- 132-57- 9-A
KA4IUM 13,780- 260-53- 7-A
KF4FP 10,032- 76-66-11-B
W4KFC 8200- 100-41- 3-A
KC4DY (+ AB4U,KA4s BGZ,ZPT, KB4PY,KJ7K,N4s FHL,GNN,HON, JED,VG,VG,W4YV,WB4QOJ.) 120,916- 817-74-23-B
WI4B (+ WB4WDM) 34,048- 304-56-16-A

West Indies

KP4BZ 296,592- 2004-74-24-B

5

Arkansas

WD5CAA (KA5NLY, opr.) 22,344- 196-57-17-A
W5EIJ 7968- 83-48- 4-A
W5KL 1344- 32-21- 2-A

Louisiana

W5WMU 228,068- 1541-74-24-B
W5WG 41,464- 292-71-26-A
WD5CGC 17,760- 120-74-17-B
W5GAD (K5EF,KA5MSD,N5GSK, WA5s HAX,HOD,OZH,UJX, oprs.) 169,608- 1146-74-24-B

Mississippi

N5DSK 104,636- 707-74-15-A
KC4WQ/M5 14,616- 116-63- 7-A
KV5F 13,674- 129-53- 6-A
WA5MUE 7260- 66-55- 2-A

New Mexico

K5TA 257,076- 1737-74-24-B
AA5B 233,396- 1577-74-24-B
K5QQ 150,072- 1014-74-22-B
N5HH 89,836- 607-74-17-B
N5ACP 56,448- 392-72-21-B
N5EPA 32,760- 234-70-15-A
NJ5T 30,774- 223-69-13-B

Northern Texas

N5AU (WB5VZL, opr.) 235,912- 1594-74-23-B
K5RX 225,256- 1522-74-24-B
AF5K 220,168- 1508-73-24-B
KA5W (KM5R, opr.) 214,896- 1452-74-24-B
K5RR (N5RZ, opr.) 210,160- 1420-74-24-B

N5EG 195,804- 1323-74-24-B
K5QY 195,064- 1318-74-23-B
K5ZD 184,106- 1261-73-19-B
WD5GSL (WB5TEV, opr.) 163,392- 1104-74-24-B

KE5CV 146,304- 1016-72-21-A
N5JB 109,224- 738-74-17-A
AF5B 70,596- 477-74-20-B
K5JK 66,008- 446-74-22-A
WB5CRG 64,512- 448-72-16-A
K5MM 61,776- 429-72-12-B
W5LMG 59,160- 435-68-21-B
KD5BE 54,234- 393-69-21-A
N5UA 52,560- 365-72-21-B
KD5RO 39,600- 300-66- 7-B
K2SCU/5 28,840- 206-70- 9-B
WA5DTP 27,008- 211-64- 5-A
K5CPU 23,310- 185-63-15-A
N5AW 10,878- 111-49- 3-A
KB5UL 9940- 71-70-17-B
W5AE 6972- 83-42- 5-B
W5AH (+ KM5X) 150,480- 1045-72-24-B

K5MR (+ N4QS) 114,610- 785-73-18-B

KC5EA (+ N5AU) 87,220- 627-30-10-B

WB5RMQ (+ KA5s FSJ,LAQ, KCQJB,N6HFR,WB5YAZ) 55,042- 377-73-24-A

Oklahoma

KM5H 113,664- 768-74-21-A
K7CW 37,572- 303-62-10-B
K5DEC 18,666- 153-61- 9-B
WB5OSM 3060- 51-30- 3-A
N5KW (+ K5CM,N5CG) 247,900- 1675-74-24-B

Southern Texas

N5DU 244,792- 1654-74-24-B
K2ZM 197,284- 1333-74-24-B
KB5FU 159,988- 1081-74-22-B
K5WA 157,916- 1067-74-13-B
N5DDO 140,744- 964-73-24-A
K5DX 124,024- 838-74-18-B
WD5AAM 110,016- 764-72-23-B
KC5CP 104,488- 706-74-23-B
WA5IYX 68,040- 486-70-23-A
AA5Y 66,008- 446-74-24-B
W5ASP 41,640- 347-60- 7-A
K5LZO 41,088- 325-64- 5-B
N5FRV 27,956- 241-58-16-A
W5UFA 27,060- 205-66-15-B
K5GB 25,760- 230-56- 6-B
KA5ABS 25,704- 203-64-14-A
W5LLU 15,846- 139-57-16-B
N5JJ 14,194- 151-47- 3-B
N5AF 14,040- 135-52- 7-A
WD8DKJ/5 112- 8- 7- 5-A
NA5R (+ KA5G,N5H,N5EA) 213,564- 1443-74-24-B
K5VWW (+ K2TNO,KC5M,KG5U, W5ASP) 190,476- 1287-74-24-B
NM5L (+ K5IY) 190,476- 1287-74-24-B

WA2PRB/5 (+ WA5ZUP) 160,728- 1086-74-24-B

KN5A (+ KA5F,WA5PQK) 150,220- 1015-74-24-B

N4BOS (+ K9RZE, KA5s QEC,RZU, KM5J,N5FN,NJ5O,W5PWP, WD5AAH) 92,994- 628-74-24-A

6

East Bay

N6IG 243,164- 1643-74-24-B
WA3FET/6 176,712- 1194-74-24-B
KB6JK 96,506- 661-73-19-A
K2GMY 87,312- 642-68-18-A
WB6FCR 82,584- 558-74-17-A
K56H 54,460- 389-70-18-A
N6GRM 29,106- 231-63-16-A
K6XO 10,952- 74-74- 9-B
W6RGG 10,952- 74-74- 8-B
WA6BIS 6552- 84-39- 9-B

Los Angeles

N6HC 168,868- 1141-74-22-B
WBAKS/6 75,118- 529-71-23-A
W6CN 73,704- 498-74-23-A
W6NOL 64,232- 434-74-20-A
WA6LOW 41,300- 295-70-24-A
K6GV 26,100- 225-58- 8-A
WA6JUN 26,000- 200-65-16-A
WB6DIB 17,784- 171-52-12-A
WB6BXP 16,562- 169-49- 5-A
W6NXB 8360- 95-44-10-B
G3MHV/W6 2970- 45-33- 6-A
W6OES 2700- 50-27- 6-A
KA6ZYF 1944- 36-27- 6-A
WB6NFO 1020- 30-17- 3-A
K6AA (KE6B,WB6HEW, oprs.) 132,714- 909-73-24-B
WB6OBQ (AA4Q,WB6s PLG,RNT, oprs) 94,752- 658-72-23-A

Orange

K7JA 184,112- 1244-74-24-A
K6HRT 114,192- 793-72-24-B
A16E 47,428- 334-71-19-A
K6EBK 42,918- 311-69-23-A
WA6NGO 39,650- 325-61-10-B
WB6KRI 39,618- 279-71-18-A
KA6ISX 26,934- 201-67-11-A
W6TCO 8820- 105-42- 4-B
KG6F/6 7200- 60-60- 6-A
NM6L 6992- 92-38-12-A
NV6K (+ KA6XND,KF6OG,N6s AWF,DJW,KJX,ECA,FMD,RJ) 186,924- 1263-74-21-B
KX6V (+ K6RUB,KA6SOP,KX6V, WA6s,UYB,ZXN,WB6BIM) 70,416- 489-72-23-A
N6FSK (KA6s NRH,RRB,RUX,opr.) 26,164- 211-62-17-A

Pacific

A16V/KH6 128,464- 868-74-16-B
AH6EK (+ KH6XW) 4288- 67-32-11-A

Sacramento Valley

K16O 200,540- 1355-74-23-B
KV6H 161,622- 1107-73-24-B
K6SG 153,008- 1048-73-22-B
KF6A 112,332- 759-74-20-B
N6GJC 70,140- 501-70-22-A
N6WR 33,098- 247-67-21-A
WB6KOE 9996- 119-42-11-A
WA6BRV 3596- 58-31- 4-A
N6JM 2302- 46-26- 3-A
AA6DX 2350- 47-25- 2-A
WB6UHQ (+ WA6ZGK) 23,370- 205-57-10-A

San Diego

N6ND 202,316- 1367-74-20-B
W6JXA 24,662- 209-59-11-A
AA6EE 24,278- 199-61- 9-A
N6JMV 9996- 98-51-11-A

San Francisco

K6ANP 189,884- 1283-74-24-B
W6KMW (KE6LV, opr.) 62,100- 450-69-20-B
WA8LLY 34,816- 272-64-15-A
K6LRN 33,654- 237-71- 9-A
WB6SRM 25,864- 212-61-12-A
WB6IP (+ WA6DJJ) 15,624- 1038-74-23-B
WA6DHM (+ AC6P,KB6AVU, KE6WL) 48,300- 345-70-23-A

San Joaquin Valley

KD6WW 176,564- 1193-74-23-B
W6SX 13,344- 139-48- 2-A
W6LXA 12,936- 132-49-24-B
W6ASLF 1102- 29-19- 4-A

Santa Barbara

K6VMN 93,744- 651-72-23-B

W6TKF 82,502- 581-71-12-A
N6MB 81,176- 556-73-16-B
WA6FGV 80,064- 556-72-21-A
NV6L 55,334- 379-73-15-B
WA6IJZ 35,624- 244-73-20-A
KD6LD 24,420- 185-66-21-A
KC7S 22,814- 187-61-24-A
KW6H 6840- 90-38- 6-A
N6TR 2640- 55-24- 2-A
KX6E (+ KA6VWR,KE6LO,KV6J,N6s DHU,GAU,JFD,W6ZZN,WB6HDG) 146,520- 990-74-24-B

Santa Clara Valley

N6NF 193,288- 1306-74-21-B
KY6I 86,876- 587-74-22-B
K6GSS 58,460- 395-74-23-A
WB4YZC 42,180- 258-74-16-B
N6MG 38,184- 258-74-24-A
KD6PY 38,184- 258-74- 9-A
K6RTC 31,820- 215-74-10-B
W6OKK 19,152- 171-56- 7-A
WB6AMM 15,476- 146-53- 8-A
WB9AJZ/6 12,876- 87-74- 6-A
AA6T (SM6DRD, opr.) 11,352- 129-44- 3-B
K6VGV 7040- 80-44- 3-A
W6YX (AP2ASM,DF2KR,GM4HAE, KA6IVA,KX6C,N10O,N6IWN, NV6V,W3KF,WA1LTJ,WA7VXV, WB2TXI, oprs.) 84,456- 612-69-19-B

7

Alaska

AL7CQ 64,768- 506-64-24-B
NL7P 30,492- 231-66-15-B
KL7CQ (+ AL7EJ,KL7SK,NL7s BI,BS,CP,W7LD) 12,500- 125-50-18-B

Arizona

K7OX 238,280- 1610-74-24-B
WB7FDQ 105,228- 711-74-12-B
W7FGT 104,720- 770-68-18-B
KC7V 85,544- 628-74-17-B
WA1UZI/7 71,632- 484-74-24-A
K7HP 45,880- 310-74-17-B
N7CIX 44,880- 440-51-12-A
W7ZMD 29,960- 210-70-10-A
WA7KLLK 21,216- 221-48- 6-B
N7EDV (+ KB7XN,KD7RG,N7s CXF, FU,NF7E, W7YS) 179,524- 1213-74-22-B

Idaho

K8EJ 113,174- 797-71-19-A
K7TM 111,592- 754-74-15-A
KK7A 36,010- 277-65-15-A
KD7EJ 9328- 106-44-11-A
W7KXA 1116- 31-18- 3-A

Montana

WB7CFL 109,008- 757-72-24-B
KE7X 61,124- 413-74-13-B
W7LR 1584- 36-22- 1-A
KS7T (+ KA7GVJ) 131,760- 915-72-24-B

Nevada

KC7KU	166,796-1127-74-24-B	N8ALL (+ KC8LD,KT8Q)	57,744- 401-72-24-B	9		0	KMLB	136,456- 922-74-24-B
AJ7Y	163,096-1102-74-23-B	W8UE (+ KABNCR)	52,704- 366-72-19-A	Illinois	K9RS	215,340-1455-74-24-B	K0RVL	110,260- 745-74-23-A
W7BUN	152,292-1029-74-17-B	KD8ID (+ KC8TB)	51,584- 403-64-24-B	W89HAD	160,580-1085-74-20-B	160,580-1085-74-20-B	W0HBH	100,492- 679-74-20-B
WA7RWK	99,120- 708-70-18-B	W8B8GUS (+ W8B8WIM)	50,694- 357-71-24-A	K2PLF	104,044- 703-74-20-A	104,044- 703-74-20-A	WB0BBN	(WB0CDY, opr.)
K7GEX (WB7BNP, opr.)	77,996- 527-74-23-A	WB8JZN (+ W8B8FJ)	11,070- 246-45-11-A	N9AEJ	75,888- 553-72-15-B	75,888- 553-72-15-B	KU0G	68,820- 465-74-24-A
WA7PVE	74,480- 532-70-24-A	Ohio		AG9E	67,488- 456-74-16-A	67,488- 456-74-16-A	KMBA	53,340- 381-70-18-A
W7NG	68,302- 481-71-17-B	K8AZ	189,362-1297-73-24-B	K9BG	63,802- 437-73-10-B	63,802- 437-73-10-B	K0IFL	35,712- 279-64-13-B
WB7AGZ	34,840- 260-67-19-B	K8ND	158,212-1069-74-18-B	K9BW	57,226- 403-71-20-B	57,226- 403-71-20-B	WB0BBN	25,586- 202-64-10-B
K7IND	26,838- 213-63-13-B	K8BR	146,668- 991-74-17-B	W9A2YG	55,160- 394-70-19-A	55,160- 394-70-19-A	NB0GL	16,008- 138-58-13-B
W7OWJ	23,010- 195-59-15-A	K8BLH	124,764- 843-74-24-B	W9A9RE	47,600- 340-70-16-B	47,600- 340-70-16-B	WB0EE	(KA0S, GCR,GPZ,JJX,RQJ
W7RXS	18,768- 184-51-16-A	K8MR	114,902- 787-73-24-B	K9BQL	45,844- 314-73-15-A	45,844- 314-73-15-A	WB0S	YKG,ZGD,WD0ELL, oprs)
K8BCY	15,494- 227-61-18-A	W8FN	111,456- 774-72-17-B	K9YF	36,582- 273-67-20-A	36,582- 273-67-20-A		83,620- 565-74-24-A
W7DWW	14,628- 138-53-16-A	W8LNO	105,120- 730-72-15-B	K9G9H	35,750- 275-65-18-B	35,750- 275-65-18-B	Nebraska	
K7UJ	13,272- 158-42- 2-A	KC8JH	100,010- 685-73-18-A	K9PIG	34,146- 271-63-12-A	34,146- 271-63-12-A	K0SCM	150,672-1032-73-20-B
W7WA	10,952- 74-74-12-B	N8LL	97,300- 695-70-19-B	K9IKP	32,696- 268-61-24-A	32,696- 268-61-24-A	KV0I	89,856- 624-72-13-A
KI7H	8,282- 101-41- 4-A	W8UPH	86,286- 591-73-24-B	K9GAT	31,416- 231-68-17-A	31,416- 231-68-17-A	K0HA	82,680- 636-65-19-B
K7WA	6,068- 74-41- 2-A	N8BJ	78,548- 538-73-24-A	K9SB	31,390- 215-73-12-B	31,390- 215-73-12-B	K0C0V	34,560- 240-72-17-B
K7RG	5,616- 72-39- 2-A	K8H4V (N8FJP, opr.)	76,358- 573-73-19-B	K9G9N	31,376- 212-74-12-A	31,376- 212-74-12-A	W0KX	24,660- 206-60- 9-B
W7WG	3,596- 62-29- 4-A	K8BOW	74,752- 512-73-21-A	K9B9E	30,954- 261-67- 9-A	30,954- 261-67- 9-A	K0GON	13,158- 129-51- 5-B
KATCXU	2,916- 54-27- 6-A	K8MNG	71,040- 480-74-22-B	AD0H	30,798- 261-59-15-A	30,798- 261-59-15-A	K0DI	12,838- 131-49- 3-B
WB7SQU	442- 17-13- 4-A	N8ATR	61,776- 429-72-24-B	W9DIRV	30,104- 212-71-15-B	30,104- 212-71-15-B	K0C0B	12,688- 122-52- 8-B
KATGEK	384- 16-12- 4-A	N8C5L (WB8IVL, opr.)	58,788- 426-69-12-B	W9QWM	30,080- 235-64- 8-A	30,080- 235-64- 8-A	WB0WWA	12,240- 128-48- 6-A
K7GYP	80- 8- 5- 1-A	W8ICL	56,536- 382-74-14-A	K9JU	27,652- 223-62- 8-B	27,652- 223-62- 8-B	K0B0Z	9,200- 100-46- 4-A
W7QVCW	6- 3- 1- 1-A	K8JLB	45,792- 318-72-13-B	W9IL	26,908- 217-62- 8-B	26,908- 217-62- 8-B	K0E0V	6,200- 86-35- 5-A
K7LXC (+ K7HBN,KB7G,KC7RN)	158,360-1070-74-24-B	K8CGF	45,252- 418-54-19-B	K9C9T	25,704- 204-63-10-B	25,704- 204-63-10-B	W80PY (+ KA0JQF,WA0ASM,	
W7DK (K1PDO,K7S ETU,GYP,QLC,	66,660- 505-66-22-B	AA8S	42,704- 314-68-10-B	W9D9GE	23,780- 205-58-15-A	23,780- 205-58-15-A	WB0OYT)	126,000- 875-72-24-B
KATCXU, KD7s LJ, OY, KG7V,	22,620- 195-58-24-A	K8BGC	39,192- 284-69-10-A	K9KM	22,400- 200-56- 3-A	22,400- 200-56- 3-A	K0GND (+ K80QH,W0MCP,	
KL7UR, N7DRT,WA70II, WB7S		W8BKT	38,340- 270-71-17-B	W9MRU	21,472- 176-61- 9-A	21,472- 176-61- 9-A	WA0WRI,WD0S DMS,EGK,EJJJ	103,222- 707-73-23-B
QCW,SQU, oprs)		W8ANM	34,776- 252-69-16-B	W9R9E	21,248- 166-64- 2-A	21,248- 166-64- 2-A	North Dakota	
		K8ESD	33,232- 268-62- 9-A	N9ANK	13,250- 125-53- 9-A	13,250- 125-53- 9-A	WA0QVC	29,256- 212-69-16-A
		W8DXT	31,152- 236-66-23-B	W9BEE	10,658- 73-73-20-A	10,658- 73-73-20-A	KF0A	17,680- 136-65- 7-B
		K8CSD	31,104- 243-64-16-A	W9R9W	8,576- 67-64- 6-B	8,576- 67-64- 6-B	K0C0M	1,000- 25-20- 2-A
		N8EKS	30,940- 221-70-17-A	K9C9A	5,916- 87-34- 6-A	5,916- 87-34- 6-A	K0C0W	928- 29-16- 2-A
		NA8L	30,504- 246-62-13-B	N8BPD	4,480- 64-36- 4-A	4,480- 64-36- 4-A	WB3KMF/0 (+ K13V)	166,320-1155-72-24-B
		K8BETK	30,366- 241-63- 9-A	N8DPP	552- 23-12- 2-A	552- 23-12- 2-A	South Dakota	
		K8C8Y	28,098- 223-63-21-A	K9C9L	552- 23-12- 2-A	552- 23-12- 2-A	WB0MZW	130,388- 881-74-19-B
		N8BVP	26,208- 208-63-11-A	WA0AVL (+ N9CQX)	135,272- 914-74-24-B	135,272- 914-74-24-B	WA0ARZ	42,504- 322-66-12-A
		AD8I	25,370- 215-59-24-B	KB9J (+ KA9S,FTN,V)	135,272- 914-74-24-B	135,272- 914-74-24-B	VE	
		N8BK	25,252- 214-59-12-A	KS9O (+ KA9S,DVY,HHC,N9BZR)	103,660- 710-73-24-B	103,660- 710-73-24-B	Maritime - Newfoundland	
		K8BPO	23,168- 181-64-10-A	K9LUW (+ N9AGJ)	83,512- 572-73-22-A	83,512- 572-73-22-A	VE1BEI	9592- 109-44-15-A
		K8BL	23,028- 202-57- 6-A	N9DBB (+ KA9EWW,N9DMK,	49,536- 344-72-24-A	49,536- 344-72-24-A	VO1AW	1026- 27-19- 1-B
		AFRC	20,160- 168-60-12-A	WB9UQG)			Quebec	
		N8DPD	18,172- 154-59-10-A	Indiana			WB0BHF	9494- 101-47-10-A
		W8OUJW	17,936- 152-59-16-A	KJ9D (KK9V, opr.)	161,912-1094-74-24-A	161,912-1094-74-24-A	K0GT	8704- 68-64- 7-A
		K8DOC	16,940- 154-55- 6-B	WB9IWN	150,072-1014-74-21-B	150,072-1014-74-21-B	WB0FBP	8256- 86-48- 8-A
		AD8C	16,800- 150-56-17-A	W9TGT	106,412- 719-74-16-B	106,412- 719-74-16-B	N0EJI	6318- 81-39- 3-A
		K8BILT	15,840- 176-45-14-A	KR9U	103,600- 700-74-20-B	103,600- 700-74-20-B	KW0G	128- 8- 8- 1-A
		W8VPV (KABNRC, opr)	13,750- 125-55- 9-A	N9QX	103,156- 697-74-21-B	103,156- 697-74-21-B	N0EEN	60- 6- 5- 1-B
		W8DWP	13,400- 100-67-10-A	KR9V	88,800- 600-74-17-B	88,800- 600-74-17-B	W0IO (KA0PFC,N0EBA, oprs)	81,468- 558-73-22-A
		KI8O	12,204- 113-54-12-A	K9K6	68,328- 468-73-11-B	68,328- 468-73-11-B	K0LUI (+ K0INR, KB0FPI)	48,100- 325-74-12-B
		W8IMF	12,006- 87-69-11-B	K9CFC	65,232- 453-72-20-B	65,232- 453-72-20-B	K0INR (+ K0LUI,KB0FPI)	32,708- 221-74-19-A
		N8EAN	11,160- 124-45- 9-A	W9JOO	62,622- 441-71-20-A	62,622- 441-71-20-A	Kansas	
		AIBS	10,434- 111-47- 7-A	W9NZW	47,596- 326-73-10-A	47,596- 326-73-10-A	KB0G	126,688- 856-74-24-B
		K8DMX	9,600- 100-48- 6-A	W9EWT	30,380- 217-70-14-A	30,380- 217-70-14-A	WA0TKJ	55,944- 378-74-18-B
		W8BKT	7,420- 106-35- 6-A	N9DYE	29,040- 264-55-21-A	29,040- 264-55-21-A	WB0YJT	39,476- 278-71-21-A
		N8EGU	6,720- 80-42- 7-A	N9DHX	27,468- 218-63-18-A	27,468- 218-63-18-A	KD0FH	39,304- 289-68-11-A
		N8CXQ	3,456- 64-27- 4-A	KU9C	26,220- 190-69-14-A	26,220- 190-69-14-A	N0CLV	38,352- 282-68-14-A
		KX8H	1,380- 30-23- 2-A	KA9DIH	16,320- 120-68-18-A	16,320- 120-68-18-A	WA0HWH	38,340- 270-71-18-A
		K8HF	1,260- 30-21- 2-B	W9OLW	576- 18-16- 2-A	576- 18-16- 2-A	K0VBV	30,784- 208-74- 8-B
		W8IDM	270- 15- 9- 1-A	W9Y9W	576- 18-16- 2-A	576- 18-16- 2-A	W0CY	17,168- 116-74-12-B
		WB8JUM (KC8s MK,KX,KV8M,		W9Y9B (KA9s CVW,MHO,NOF,NOH,			W0CM	14,060- 95-74-16-B
		KW8N N8s ATR,DCJ,DMM,EDE,		KC9RG,K9KW,S9J,KX9G,N9s,DKI,			KV0D	12,876- 87-74-15-B
		W8CAR,WD8JP, oprs)		NB,WB9CEJ,W9DGET, oprs)			KA0LJK	10,710- 105-11-1-A
		W8LT (AD8I,K3JT,K8EM,KA8s		N4FKF (+ KA9ORN, KC9UT)	52,796- 394-67-18-B	52,796- 394-67-18-B	W80E (KF0M,WA0VJF,	
		MUF,TIH,N9s CJD,CYZ,WB8PHI,		Wisconsin			WD5AGO, oprs)	179,524-1213-74-24-B
		W8s IXE LXX, oprs)		W0UC/9	103,896- 702-74-20-B	103,896- 702-74-20-B	K0WA (+ AB0S,KB0EC)	175,972-1189-74-24-B
		WB8JKR (+ WB8CCL)		W9XT	97,828- 661-74-24-A	97,828- 661-74-24-A	WB0TOC (+ W0CEM,WA0CFZ,	56,496- 428-66-16-B
		W8B8GUS (+ W8B8WIM)		WA9BZW	91,250- 625-73-23-B	91,250- 625-73-23-B	WB0WHB)	
		WA6EZV (+ N8CBY,W8s JAV,		WA1UJU	85,768- 604-71-23-A	85,768- 604-71-23-A	Minnesota	
		NMT,NMV,NNB)		WB9EGZ	77,700- 525-74-10-A	77,700- 525-74-10-A	K0JL	157,968-1097-72-22-B
		KV8A (+ WA8OSK, WB8s FBD,SGL,		W9NA	73,982- 521-71-14-A	73,982- 521-71-14-A	K0FZG	92,880- 645-72-24-A
		WD8BHA)		W9GXR	62,160- 420-74-19-B	62,160- 420-74-19-B	WA0VQX	79,328- 536-74-24-A
		67,456- 544-62-19-B		K9KR	53,448- 393-68-16-B	53,448- 393-68-16-B	WA0WWW	76,504- 524-73-24-B
		W8FT (ACBJ,AK8X,KA8s LON,PMK,		WB9VOZ	48,620- 374-65-23-A	48,620- 374-65-23-A	AC0W	71,832- 492-73-24-A
		N8s ADZ,AEH,CVK,DOO,EYQ,		WB9YXY	45,584- 308-74-12-B	45,584- 308-74-12-B	WA2HFI/0	63,504- 441-72-19-A
		NA8W,W8s AFR,KUZ, W8s EYT,		KB9S	41,400- 300-69-10-B	41,400- 300-69-10-B	K0MPH	27,528- 222-62- 6-A
		YEW,WD8QDY, oprs)		K9JLN	41,272- 308-67-10-A	41,272- 308-67-10-A	N0BG	22,200- 150-74- 9-A
		50,662- 347-73-21-B		AJ9U	36,270- 279-65-13-A	36,270- 279-65-13-A	KJ0K	21,904- 148-74-15-A
		KA8MRL (+ WB8JHT)		KB9DZ	32,890- 253-65-14-A	32,890- 253-65-14-A	KS0T	4,554- 69-33- 4-A
		W8FW (AA8R,KA8s CBE,RHK,		N9BDM	27,600- 200-69-12-B	27,600- 200-69-12-B	WA0QIT (+ N0EOB)	75,372- 571-66-24-A
		N8CLA,WB8PMG, oprs)		W9GMO	25,668- 207-62- 9-A	25,668- 207-62- 9-A	WB0YUC (+ WD0FOF)	73,000- 500-73-21-B
		32,982- 239-69-13-A		WB9HRO	22,320- 180-62- 8-A	22,320- 180-62- 8-A	W0UBT (+ AD0T,N0CCI,	
		K8DHK (+ N8FU)		K1TMM	14,740- 134-55- 7-A	14,740- 134-55- 7-A	WB0SCO,WD0HBW)	50,920- 380-67-20-B
		31,392- 218-72-13-A		WB9IXS	13,630- 145-47- 9-A	13,630- 145-47- 9-A	Missouri	
		KD8KU (+ KA8MRG)		K9GDF	9,200- 100-46- 2-A	9,200- 100-46- 2-A	K4vX (KR0Y, opr.)	243,608-1646-74-24-B
		21,204- 171-62-21-A		W9VTL	5,544- 77-36-10-A	5,544- 77-36-10-A		
		West Virginia		AE9K	5,040- 70-36- 4-A	5,040- 70-36- 4-A	Checklogs	
		N8RR	169,360-1160-73-24-B	WB9JPJ	4,200- 70-30- 9-A	4,200- 70-30- 9-A	W2LPV,W2QZ,WA2BYX,KA4ZZC/N,	
		N8II	79,094- 557-71- 8-B	N9DIJ	32- 4- 4- 1-A	32- 4- 4- 1-A	WA4YNP,NM5M,W60SP,KB7P,	
		W8TN	63,344- 428-74-10-B	W9YT (AC9C,K9EC,KA0BZ,N2NU,			KE7W,KB8FJ,KV8A,N8DUH,	
		K8BS	36,400- 260-70-15-A	W9s TR,WI,WB9YSE, oprs)			W8VUW,W9MSL,W9PNE,AG0M,	
		W8VEN	27,690- 213-65-19-B	K0FV9 (+ K0TG,KM0O,			KT0D,WBIZVW,WU0U,VE3BAJ,	
		W3IJT	22,156- 191-58-17-A	WA0RBW)			VE4IN,VE8JG,VY1AB	
		N8WV	3,888- 54-36- 3-B					
		WB8BMX	600- 20-15- 1-A					
		KQ3S (+ KA8HRD, K3LDE,W3s DQI,						
		PYZ)	33,264- 231-72-24-A					