

Results, 1991 ARRL November Sweepstakes

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Contest Manager Assistant Contest Manager

A couple of years ago, everyone was talking about the declining participation in Sweepstakes, especially on CW. There was considerable concern among our members that the negative growth would doom their favorite contest. It seemed that only the same stations were being worked year after year. This prompted the League to take action in 1990 and introduce the PINS (Participation In November Sweepstakes) program and set aside slow-speed CW band segments for members who have not yet mastered the art of high-speed CW. These actions helped reverse the decline in activity, and even the deadly Sunday afternoon doldrums seemed to have disappeared.

Despite all the planning and "good things" that were done in 1990, there still remained considerable skepticism about whether the turnaround would last. In trying our best to keep SS alive, we continued with the PINS program and the slow-speed CW band segments, and added a new twist for 1991, "clean sweep coffee cups." After offering all the incentives that might attract new and old participants alike, all there was to do was wait for the results.

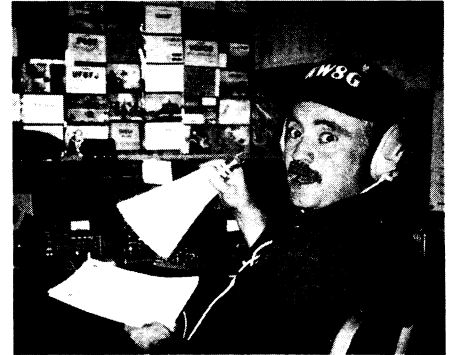
On the Monday following Sweepstakes, it was obvious—all the efforts had paid off. Reports indicated that participation on both modes was at high levels. Sweepstakes is now confirmed to be in full recovery! 1991 marked the second year in a row that SS was pulled out of the "failing contest

hat." Even with Sweepstakes being earmarked as having long and complicated contest exchanges and 30-plus-WPM CW, the end result was another year of high-volume participation and happy members.

For the 1992 event, we plan to add yet another twist, a Sweepstakes Plaque Program. Check the sidebar for complete information on how you or your club can help make the Plaque Program a success.

Shortly after Sweepstakes, the entries started to arrive and didn't stop until there were two small mountains of logs that took two large work tables to support. It took the two-man Contest Branch quite a while just to open, sift through, and sort all the mail before we began the tedious tasks of scoring and cross-checking the logs. The final tally showed 1272 CW entries, 1625 phone entries and 19 checklogs. Not bad for a contest that was thought to be in trouble!

Talk on "3830" immediately after the contest revealed an uncertainty among the top-scoring contesters about whether to submit entries on computer diskette. There was a movement to limit diskette entries, based on whether disk entries and paper logs would be checked with the same level of scrutiny. This talk, and a letter from John, W2GD, prompted Contest Manager Billy Lunt, KR1R, to write a "white paper" detailing the League's log-checking procedures, addressing these issues. The white paper was also published in the March/April *National Contest Journal*. If



Ralph, KW8G, takes a broom to his log after completing the coveted clean sweep on CW.

you haven't read it, check it out. It should ease your mind about submitting contest entries on computer disks. We check all the top-scoring entries with the same degree of scrutiny, whether they are hand-written paper logs, computer printouts or computer disk files.

The next step, after all the entries were scored and the data was entered into our computers, was to start cross checking the top-scoring logs. We jumped right in with both feet and proceeded to pick apart the winners' logs to verify that their information was correct and that they did indeed win.

The Contest Branch uses two log-checking programs: *Check* for paper entries; and *Cross* for disk entries. Both programs assist us in checking contest logs for errors with the same amount of scrutiny. We started with the paper entries because they're the most time-consuming logs to check. Our *Check* program requires QSO information to be keyboarded into

CW Division Leaders

Division	High Power	Low Power	QRP	Multioperator
Atlantic	*K3LR	*W2TZ	K2YY	*K3WW
Central	AG9A	WX9U	*WG9U	N9AEJ
Dakota	*N0AT	*WD0T	WA0ZPT	AA0FY
Delta	*W5WMU	*N4ZZ	K5MK	*K5MC
	(K5GA,op)			
Great Lakes	*K8CC	KW8G	WK8V	K8LX
Hudson	W2RQ	NQ2D	*W2GD	WA2UKP
Midwest	*K4VX/0	N8XA	NW0F	*AB0S
	(AA9AK,op)	(K0VBU,op)		
New England	W1WEF	K1IU	*K1TR	W1AW
Northwestern	*W7WA	*K7QQ	K7LR	KQ7I
Pacific	*WA7NIN	W1FEA	*NF7P	*W6GO
	(N6TV,op)			
Roanoke	*AA4NC	*N4AA	W8DL	WB8OFR
Rocky Mountain	*K0RF	*K0EU	*K7MM	AI9X
	(W0UA,op)			
Southeastern	K4XS	*N6OP/NP2	*N4KG	W4AQL
			(NB9P,op)	
Southwestern	*K6LL	*K6UA	*N7IR	WA6FSF
		(AA5FX,op)		
West Gulf	*N5AU	*N5RZ	AA5KK	W5FO
	(WN4KKN,op)			
Canada	VE7CC	VE4VV	VE6BIR	VE3ART

*denotes new division record

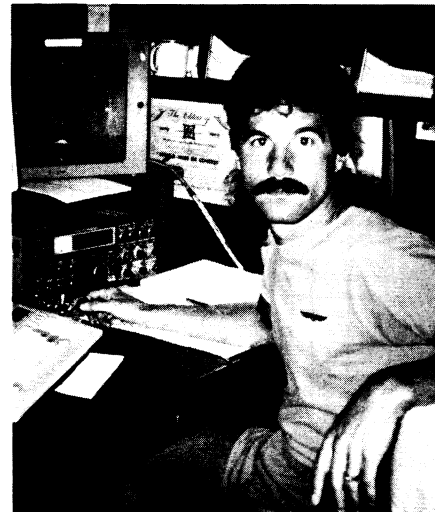
Phone Division Leaders

Division	High Power	Low Power	QRP	Multioperator
Atlantic	*K3LR	*K5ZD	*N3KAQ	*K1DQV
	(WR3G,op)			
Central	W0AIH/9	*AG9A	*K9ZO	W9XT
	(K0FVF,op)			
Dakota	KA0ZFX	KM0O	*W0YHE	N0AT
Delta	W5WMU	N5PST	*N4TG	*K5TYP
Great Lakes	*ND4Y	AA8AV	NQ8Y	*KW8N
Hudson	WB2K	*KD2RD	KD2TT	*KY2J
Midwest	*K4VX/0	K0SCM	WV0P	*W0CEM
	(AA9AK,op)			
New England	WB1GQR	KZ1M	K1KNQ	K1NG
	(WB2JSJ,op)			
Northwestern	W7EJ	K7RI	*K7SS	NK7U
	(NL7GP,op)			
Pacific	WA7NIN	N6YKL	*N6WMF	*NF7P
	(N6KT,op)			
Roanoke	*W4MYA	KA4RRU	WF4U	K4KDJ
Rocky Mountain	*K5TA	*K0EU	*K5ID	K9RS
Southeastern	W24F	*K4XS	---	ACACT
Southwestern	K6LL	WA6FGV	*WB2ODH/6	*KF6OG
West Gulf	*N5RZ	*KN6M/5	*N5NMX	WM4Z
Canada	VE7SZ	VE4GV	*VE4VV	VE3XD

*denotes new division record

Affiliated Club Competition

Club	Score	Entries	CW Winner	Phone Winner
Unlimited Category				
Frankford Radio Club	6,820,448	91	N2RM (KZ2S,op)	WB2K
Society of Midwest Contesters	4,607,396	56	K4VX/Ø (AA9AK,op)	K4VX/Ø (AA9AK,op)
Yankee Clipper Contest Club	3,675,092	54	W2SC	WA1G
Medium Category				
North Texas Contest Club	5,156,330	38	N5AU (WN4KKN,op)	N5AU (WB5VZL,op)
North California Contest Club	4,535,250	35	WA7NIN (N6TV,op)	WA7NIN (N6KT,op)
Left Coast Contest Club	3,963,768	38	W7WA	VE7SZ
Mad River Radio Club	3,647,368	41	K8CC	K8MJZ
Minnesota Wireless Assn	3,458,272	46	NØAT	KA9FOX
North Coast Contest	3,150,680	31	K3LR	K3LR (WR3G,op)
South California Contest Club	2,868,198	22	K6LL	K6LL
Potomac Valley Radio Club	2,656,352	45	KE3Q	KE3Q
Kentucky Contest Group	2,609,944	29	K4LTA	ND4Y
Murphy's Marauders	2,369,098	29	W1WEF	W1WEF
Mill-Hi DX Assn	2,193,366	26	KØEU	KØKR
Texas DX Society	1,901,426	26	W5WMU (K5GA,op)	KI3L
Rochester (NY) DX Assn	1,764,618	25	W2TZ	W2HPF
Livingston ARC	1,537,610	11	KW8G	WB8OHO
Motor City Radio Club	1,075,320	42	K8SB	K6SAK
Grand Mesa Contesters	821,376	5	W1XE	W1XE
South Jersey Radio Assn	685,180	27	WA2VYA	W2FAU
Kansas City DX Club	663,650	8	KMØL	KMØL
Western Washington DX Club	517,318	12	KX7L	N7KZN
Salt City DX Assn	475,470	7	KZ2J	NM2L
Albany ARA	418,042	10	N2DU	WA2EOV
Willamette Valley DX Club	401,270	3	AA7EA	
Ventura County ARC	398,870	4		WA6DJS
Central Michigan ARC	384,534	18	W8TJQ	KD8BD
Tri-City ARC	361,104	14	KA5GJS/1	N1HRA
San Diego DX Club	361,008	3	K6JYO (NC6U,op)	
Dixie DXers Contest Club	353,420	4	AA4NC	AA4NC
Eastern Connecticut ARA	306,416	3	KZ1M	KZ1M
Western New York DX Assn	285,428	9	WB2ABD	WB2WPM
Highland ARA	280,552	11	NE8V	NS8G
Alaskan DX Assn	277,270	3	KL7E	KL7Y
Rip Van Winkle ARS	274,282	12	AA2Y	N2KGD
Western Illinois ARC	246,718	5	N9JF	N9JF
Hazel Park ARC	239,006	11	WD8S	WD8S
Amateur Radio Experimental Assn	232,318	11	WB2DIN	W2SV (WB2DIN,op)
Gloucester Co ARC	199,890	4	AA2GO	AA2GO
West Park Radiops	192,702	5	W8PN	WB8ORV
Northern Arizona DX Assn	182,614	4	NG7S	W7YS
Clark Co (IN) ARC	174,884	6	AA9AX	W4WQD
Troy ARA	160,150	14	NY2U	N2CKV
Redwood Empire DX Assn	127,910	8	K6LRN	WA8LLY
Eastern Iowa DX Assn	95,776	3	KØINR	WØPPF
Southern California DX Club	67,960	3	WA5VGI	W6HT
Dauberville DX Assn	61,740	5	WE3C	N3FTI
Local Category				
River City Contesters	1,926,066	10	N6JV	W6GO (N6IG,op)
New Mexico Big River Contest Club	1,515,990	9	AA5B	K5TA
Florida West Coast DX Ring	896,266	6	K4XS	K4XS
Central Arizona DX Assn	730,450	8	N7IR	KC7V
Falmouth ARA	658,222	6	KA1IOR	K5MA
Northrop Radio Club	652,264	8	WA6BIL	W6CN
Utah Contest Club	634,846	5	K6XO	K6XO
Hoosier Contest Club	602,560	9	K8JP	K8JP
Lincoln ARC	531,736	7	WBØWWA	KØSCM
Central Florida DX Assn	414,634	3	N4WW (KØLUZ,op)	KØLUZ
St Croix ARC	402,672	3	NP2I	NP2I
Woodbridge Wireless	387,498	8	KA4RRU	KA4RRU
Schenectady ARA	350,764	8	K2UF	K2UF
Newington ARL	341,508	3		KC1JV
Federation of Amateur Radio Operators	337,510	6	K9BGL	K9BGL
Rowan ARS	330,602	7	N4QY	N4QY
ZYGO ARC	303,000	7	W1ECH	W1ECH
Overlook Mountain ARC	278,058	4		W2XL
Arrowhead ARC	269,724	3		AAØAW
North Hills RC	248,242	4	K6SG	WA6CMM
Delaware Lehigh ARC	242,688	4	W3TDF	W3TDF
North Florida ARS	222,460	5	NU4Y	N4UF
Valley Radio Club of Eugene	216,586	5	K7GDN	KA7SDW
Conejo Vally ARC	213,594	9	WB2WIK	KK6CY
Murgas ARC	207,968	4	WB3FAA	WB3FAA
Ohio-Kentucky-Indiana ARC	197,548	4	KF4AV	NU8U
Saginaw Valley ARA	194,984	4	NA8G	K8OT
Naked Chicken Contest Club	193,848	8	KJ4KB	WA1MBK
Eastern Michigan ARC	188,512	6	WA8QJR	WA8QJR
Northern Alabama DX Club	187,868	3	KC4TEO	KC4TEO
Meriden ARC	173,760	4	W1KKF	KA1SZP
Dayton ARA	171,546	3	W8ILC	KA8WAS
Chenango Valley ARA	165,012	3	KD2WP	KD2WP
Utica ARC	161,508	6	NA2Q	K2IQ
Suburban ARC	148,842	5	NØEID	AAØCR
Sterling Park ARC	120,910	7	W4LMJ	NK5I
Jay Hawks ARS	111,780	7	NØFMR	WTØE
Endless Mountain ARC	107,668	4		KA3UXW
Downey ARC	103,224	4	KA3DSE/6	N6OPR
Virgin Islands ARC	93,104	5	KP2N	KP2N
Lynchburg ARC	91,968	4	NA4JA	WB4ZPF
Kettle Moraine Radio Amateurs	88,736	4	N9EZ	W59I
Laurel ARC	78,210	4	KB5IXI	KB5IXI
Butler Co. ARA	75,280	3		WB3BFC
L'anse Creuse ARC	49,308	3	N8FYL	N8FYL
Binghamton ARA	45,234	3	NE2W	WS2U
Poughkeepsie ARC	36,178	3	N2FTR	WK2S
Capital City ARS	35,652	3		KA3DOF



Ron, AA5DX, completes the sweep on CW while operating at K6UA.

longer to process than disk entries, the more disk entries that we receive the deeper down the stack of logs we can check. This year, we were able to look at every QSO in the top 100 logs: the top 15 in each category (high power, low power, QRP and multiop) on CW; and the top 10 in each category on phone.

Three years ago, when we started using computer software to help us cross check logs (and look at every QSO in a log rather than spot-checking them), we expected to see a drastic increase in the number of log discrepancies found. After this year's Sweepstakes, we were quite surprised with the low percentage of errors we found while cross checking the logs. The average discrepancy rate was only 1.48%. These figures really point out the quality of today's contesters!

All this increased participation has resulted in possibly the toughest competition for the top spots that Sweepstakes has ever seen. The CW test saw a shoot-out at the OK Corral, with Trey, WN4KKN; Jeff, KRØY; and Randy, K5ZD; operating the N5AU, WM5G and KA5W stations, located within about 10 miles of each other. Trey emerged as the winner, with his clean sweep making the difference. Jeff pounded out five more QSOs, but not finding a North Dakota station cost him the top spot. As he put it, "I can't believe I missed North Dakota! I had an antenna pointed in that direction all contest long!" Randy made a surprise trip to Texas only to lose third place to Tim, K3LR, back in Western Pennsylvania. Tim has climbed one spot a year in the standings each year for the past three years—remarkable for a station in his area. Perhaps one day he'll share his secrets at Dayton!

The high-power phone competition ended with a razor's edge finish this year. After an exhaustive check of the logs, Ralph, N5RZ, won first place by a mere three QSOs over Bob, N6KT, operating at WA7NIN! You can't get much closer than

our computer as we step through the logs QSO by QSO, verifying the information. Cross, our program for checking disk files, is much faster because the QSO informa-

tion is automatically read by the computer. The depth of cross checking in which the Contest Branch can go is primarily determined by time. Because paper logs take

Top Ten—CW

Single Operator, High Power

Call	Score
N5AU (WN4KKN,op)	210,518
WM5G (KR0Y,op)	208,544
K3LR	207,746
KA5W (K5ZD,op)	205,744
K0RF (W0UA,op)	204,358
W5WU (K5GA,op)	200,662
K6LL	199,430
K4VX/0 (AA9AK,op)	197,890
AA5B	188,650
W7WA	188,496

Single Operator, Low Power

Call	Score
N5RZ	187,264
N4ZZ	172,172
N6OP/NP2	169,024
K0EU	164,616
W2TZ	164,164
K6UA (AA5DX,op)	160,006
WD0T	159,450
K7QQ	151,544
KW5P	150,612
AA4DO	147,378

Single Operator, QRP

Call	Score
WF7P	121,352
W2GD	114,730
K7MM	109,650
WG9U	109,340
K0FRP	104,544
K7LR	103,796
N0AX	103,180
AA2U	99,330
K1TR	95,760
W6JTI	93,324

Multioperator

Call	Score
W6GO	188,188
K13V	170,324
W4AQL	167,244
K3WW	162,470
AB0S	162,032
W5FO	160,968
K5MC	160,160
A19X	154,308
K5OJI	148,960
N2NU	148,456

Top 10—Phone

Single Operator, High Power

Call	Score
N5RZ	374,374
WA7NIN (N6KT,op)	373,912
N5AU (WB5VZL,op)	352,506
K6LL	345,192
W6GO (N6IG,op)	334,642
K5TA	334,026
KA5W (KS1G,op)	330,792
W5WU	326,480
W6QHS (WN4KKN,op)	324,324
K0RF (W0UA,op)	318,010

Single Operator, Low Power

Call	Score
K4XS	290,598
N6M/5	267,036
K0EU	265,034
K7RI	249,634
AG9A	230,538
KMSH	214,522
W1XE	205,744
WB0IKN	197,684
KK7A	195,888
K0SCM	194,408

Single Operator, QRP

Call	Score
K7SS	169,400
K5IID	145,992
K0FRP	137,676
K7MM	125,100
K9ZO	117,040
WG9U	98,714
N5NMX	96,558
N4TG	92,400
VE4VV	88,200
WB20DH/6	83,250

Multioperator

Call	Score
K9RS	346,408
KF6OG	314,776
NK7U	312,466
KW8N	294,140
NF7P	289,366
W7ZR	278,894
N7NR/KH6	273,042
KV6H	272,080
WM4Z	267,190
W0CEM	266,304

that! Don, N4ZZ, claimed second place on low-power CW over Bill, N6OP/NP2, by just six QSOs and a multiplier. In many cases, the difference in standings came down to a handful of QSOs or a multiplier or two. A scan through the score listings shows a number of people who would have moved up a spot or two just by making one more QSO an hour for the time they were on the air. Coming up with a good plan to optimize your station's score is of the utmost importance. Whether you're trying to be one of the best, or just trying to beat someone across town, a glance at the score listings should give you an idea of what your competition can do, and what it could take to defeat them the next time around. Why not ask them how they do it?

Many ops talk about the record-setting contest of 1978. This year's contest saw records not only broken, but demolished. All-time scoring records were set in every category on CW, and in low-power and QRP on phone. Sixty new division records, 31 on CW and 29 on phone, were set as well, with only five records from pre-1980 remaining to be broken!

The Affiliated Club competition saw a return to dominance of one of the greatest clubs in the history of Sweepstakes, the Frankford Radio Club. The club garnered entries from 91 entrants this year, easily winning the Unlimited competition. The North Texas Contest Club brought home the gavel in the Medium class, with the River City Contesters repeating in the Local category. Good Work!

If you missed this contest, you missed out on a lot of fun. The PINS and the coffee cup programs enticed people to try SS. All sections were definitely active as noted by the numerous clean sweeps. 127 people made a sweep on CW this year, a

tremendous jump from the five made in 1990. Last year, 214 clean sweeps were made on phone; this year saw 363. A total of 299 stations made clean sweeps this year, with more than 40 sweeping both modes. As Brad, N8GLS, said, "I'd do anything for one of the cups!" We all need to thank those who made special efforts to activate some of the rarer sections this year.

The PINS program remains as popular as ever. Many people continued to remark how enjoyable it was for them to just get on the air to earn their pin. Take a look at these comments: "I have a special hat that I tack all my pins on, and the SS pin is outstanding" said, Bob, AK9Y. John, WF7B, reported "Only a pin could make a non-CW operator like me operate in a CW contest!" Tom, NO1J, claimed, "I'm going to collect two a year from now on!"

What makes Sweepstakes fun is that it offers any operator, no matter what his age, experience, ability to compete or station configuration a chance to get involved. As Paul, KF5PE, put it, "This is a fun contest. The exchange requires skill, but the little guy can make lots of QSOs as well." Be there next year!

SOAPBOX

CW

My thanks go to the ops on 80 meters who bailed me out and gave me my 100 QRP contacts (NIJAC). I've operated SS for 35 years, and I'd like to make it to the top just once! (N4AA). This was my first try at low power, I had a blast! (K6UA). All the long hours and hard work paid off when I got the sweep (AA8AV). This is the first CW contest I have ever operated. I have the greatest respect for the ops who can do this regularly. This contest greatly improved my code speed, and is something every ham should do at least once, if not more (KB9ABI). This is the best contest going (VE3AWE). I can't believe that I missed a clean sweep by Quebec (WJ9B). There are a lot of really good CW operators out there (WT9B). The slow-

speed segment on 40 meters is great! (AA9BJ). I can't believe I have overlooked this operating event for so long (K0QBE). With only a few hours of effort, my code speed increased and I built my confidence (AA0CR). Sweepstakes is 12 hours of fun and 12 hours of work! (NQ2D). There was a noticeable improvement in participation (W2GD). The A index ate my clean sweep (WC5D). I enjoyed the slow-speed sections, they gave me a chance to brush up on my rusty first (N5NDL). After participating in over 20 Sweepstakes, you'd think that I would get tired of them, but I'm not! (AA6DX). I got hooked last year, and couldn't resist it this year. The slow-speed segments open the contest up to a lot of us old-timers who just can't send and receive at 35 WPM (W7UDZ). This was the best CW SS ever! (W1WEF). Hearing and working KL7Y/VY1 was the highlight of my 26-year ham career. When I got the sweep, I ran in the house, grabbed a broom, and started whooping and waving it around in the back yard. My neighbors thought I was nuts (AB6FO). This was my first QRP effort (KA9FOX). You know conditions are good when North Dakota and Yukon call you! (AA0FY). When KL7Y/VY1 called me I knew I would get my first sweep! (KW8G). RFI set off my house burglar alarm Saturday night (NB6G). I never heard so many different types of call signs (K4CHE/3). My VFO was ill at the start of the contest, and became an emergency room case by the end (K6ZH). I had a great time, and am looking forward to my pin! (AC4HI). I'm getting old and tired, but by golly I'll do it all again next year (NW21). Making almost 25% of my contacts on 80 and 40 with less than 5 watts isn't too bad! (K5IID). I had fun and beat last year's score, which is all I was really hoping for (WB8IZM). This contest is good training ground for me to improve my operating skills (K9O1Y). I never heard North Dakota! (W9GIL). The snow and the excellent band conditions make for a great contest weekend (WB0IHR). Searching for the rare sections gets to be quite a challenge during those last few hours (N0CID). I found that this contest had a lot of experienced operators (KA1JAN). I worked three of my multipliers in the slow-speed segments (NF1J). We got over 27 inches of snow the day before the contest. I didn't know whether to send MN or NWT! (N0HJZ). When VE8CM asks you to QRS, you QRS, or else! (KC1K). This was my best CW SS to date! I was very happy to work so many stations with checks in the late '80s and early '90s! (NC7K). How did we ever do this without on-line computer logging? (NR5K). The Sunday afternoon doldrums never happened! (KX7L). Thanks to KL7Y for making the journey to the frozen white wasteland of the Yukon (N0AX). I really enjoyed the slow-speed code frequencies. They made it a much more enjoyable contest (N2DM). I haven't submitted a contest log in years, but the coffee mug did it for me (VE1NH). Although I only had a few hours to devote to the contest, it was a ball, as usual (AB4OR). I spent the last three hours looking for Wyoming for the sweep, and I never did find one (N7LOX). I really had fun—the propagation was great (NC7O). Sweepstakes is great for little pistols (KA1PU). Who said that the CW SS was dead? I'm 20 years old and looking forward to many more (KE2PF). This is a fun contest. The exchange requires skill, but the little guy can make lots of QSOs as well (KF5PE). Did someone forget to invite North Dakota? (NE0P). My biggest thrill was working KL7Y/VY1 early in the contest; but I was disappointed when I missed Delaware and North Dakota (KV8Q). The band conditions seemed poor. This was my first experience with real-time logging and letting the computer key the rig—I'm hooked! (W2HRX). This was my first CW Sweepstakes, and I can't wait for next year (W3ERU). I tried using CT at super station speeds, but I can't type that fast (W7XR). Stations north of the border were hard to find (K0FRP). Where was everyone in Delaware? (K2PS). Murphy struck my computer, keyer, and memory keyer (VE6SH). I can't believe I missed North Dakota and Nebraska! (NX1T). The slow-speed sections still remain a great way to bring folks into the contest (W2RT). I couldn't get my equipment to work on 80 meters, which probably cost me some points (K4LTA). Sweepstakes is the contest to expect the unexpected (WA6TMY). The pins are a great idea! (W6HT). I thought I would try to see how many sections I could work. I was disappointed not to get a clean sweep, but I was



Myron, WM4Z, and Connie, N5CG, look fresh and relaxed after making 1735 multioperator contacts on phone to finish in ninth place overall.

surprised to work as many as I did (WQ9T). I thought I'd fall out of my chair when I worked the Yukon! (K14UZ). I looked for four hours for Hawaii, and still couldn't find it (W3HVV). A QRP clean sweep without a beam antenna was especially gratifying (KX4V). I was able to work everything I heard, but couldn't hear everything I wanted to work (WK8V). This was my first sweep! Operating with packet makes it less lonely and more interesting (K1GW). What happened to North Dakota? (K2DW). You guys in Delaware and North Dakota need to CQ more often (N0AW). As a new ham, it was good to have the slow-speed frequencies for us contest newcomers who are not big guns (N6JXG). It was fun to operate with the power cranked down. It surprised me, and I might operate QRP more often (KK6XN). It was another great Sweepstakes. The changes made last year continue to improve the contest. It's important to let non-contesters know that you don't need a super station to be able to work lots of stuff (N2EY). It's nice to operate CW at slower speeds (KA3YRG). I can't believe I missed North Dakota! I had an antenna pointed NW all weekend, too! (KR0Y). The institution of pins, cups and the like as an award for working the Sweepstakes is a great incentive for participation (AK9Y). I wish I had more time. My thanks to the hams who patiently repeated their information (KC4ZBO). This was tougher going

than I expected, and my score reflects this (NH6ZW).

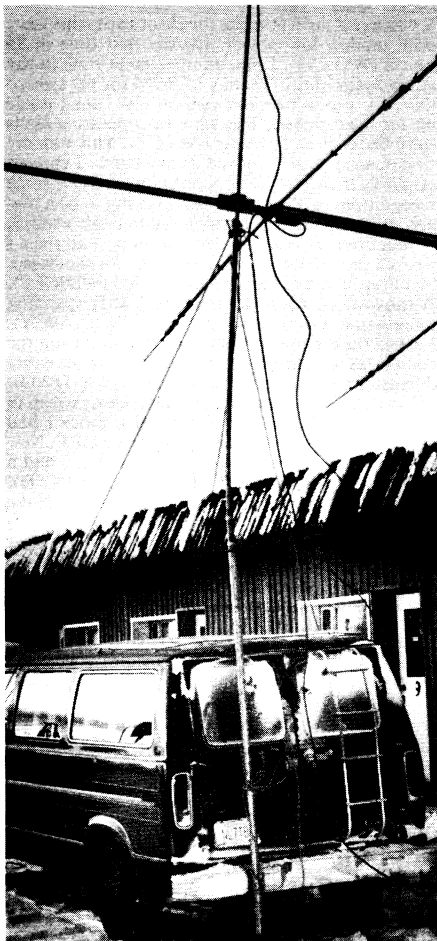
PHONE

I did a clean sweep in the first six and a half hours of the contest! It must have been the piping hot description of the coffee mug! (KS1A). I got sick Saturday evening and lost the whole night. I'm still pleased with my final score, though (N4AA). I made more QSOs and sections than last year, it was a great Sweepstakes! (N4XAAQ). This is certainly one contest that appeals to everyone. That coffee mug will really look great in my shack (AA8AV). It's nice to be active in contesting again (K0DD). What happened to the East Coast? I didn't hear them at all (KB9ABI/T). It was a great contest challenge to try to get the clean sweep, and something for the average contester to get excited about. What a thrill it was when I worked Wyoming for my last one (KB9AIT). My boom mike became un-superglued Saturday night and landed in my spaghetti (W0UA). I had a lot of fun and made my SSB WAS! (WJ1B). This was my first contest. The pin provided a nice goal to work towards (AA2BK). This was my first real effort in a contest, and I really enjoyed myself. The collectible items made it even more enjoyable (KO4BI). I came close enough to a clean sweep to be disappointed when I didn't make it (WA7BNM).

It was a real thrill to make the clean sweep this year, both modes, low power, for the first time in 35 years! (W1ECH). I had another great time in my second year of SS. Thanks VE8CM for my sweep! (NY3C). I didn't do too well on CW, but I made up for it on phone. This time my operating skills were better than last year (N6TCZ). This was my first contest, and I enjoyed it very much. I entered primarily because of the opportunity to receive some recognition, ie, the pin, without having to be a big-gun station (KG7CC). I started out to work a couple of hundred of contacts for the pins, but then I worked the Yukon, and decided to go for the sweep. San Francisco was the hard one to find (WB9CEP). A snowfall of 14 inches tends to justify spending a fair amount of time in front of the rig! (AA0CY). I saved on my use of home heating oil during the contest, as my amplifier managed to keep the entire downstairs part of my house warm (WB1DWO). What a thrill! I worked WAS and a clean sweep in 18 hours on low power (WA2DHF). Since I had limited time, I went for a clean sweep on QRP. New Hampshire was the last holdout (AA2U). I had a bad cold, and mostly listened to the fun (WC5D). I worked my first VE8! (WD6DJY). These were the best band conditions for this contest in years (WA6DJS). I found plenty of stations to work at my own pace (KB0DZN). This was my first time submitting a log on disk (NY1E). This is the first time I swept both modes! (N9AEJ). Most of the operators we heard were courteous and fun to work (W0QEV). Never pull the power from the DVK with two hours to go! (AB6FO). I was as sick as a dog with the flu (KL7FAP). Although this was the first contest that I've ever truly participated in, I feel really good about my score (N4RFR). I hope the pins are now a tradition. It was a lot of fun just trying to get the clean sweep without running high power. I'm looking forward to the mug! (KC8FS). I had trouble on 40 meters, I guess next year I'll try a simple dipole (KA9FOX). I thought conditions were pretty good for the whole weekend and things really didn't slow down until late Sunday afternoon. A late spurt on 75 meters gave me quite a boost and put me over 200k for the first time ever! (WA1G). With auroral activity on the increase, us guys in the Northern latitudes take a beating (WB1GQR). I couldn't have done it without CT and my DVK (K6SG). I'm sure we would have gotten a clean sweep had Murphy not wiped out our 40-meter dipole (WD9GUF). Murphy got my antenna! Next year I'll check my gear before the contest starts (WN0G). My antennas were completely destroyed two weeks before the contest by an ice storm (KF0GV). I went to bed Saturday 100 QSOs ahead of last year, only to find 10 meters dead in the morning (VE4GV). This is the most "fun" contest ever. Band conditions weren't too bad, but some multipliers were few and far between (WB1HBB). I shall return! (WF9H). I never thought that I would make a sweep with low power and dipoles (AC4HI/9). I now have a deep respect for the dedicated QRP operator (N9EHQ). I believe that I have been in every Sweepstakes to date. Everyone in SS must be using a computer, as I only had two dups (W6BIP). Conditions were terrible the second day (K7RI). I worked mobile from my van this year. It was fun, and I learned the hard way to have spare dome light bulbs (KJ8I). This was my first clean sweep, next year I'll go for the points (WB3JFS). This was my first solo Sweepstakes, but it will not be my last! Having only a Technician license was limiting, but what an incentive to upgrade! (WB6JBL). An ice storm froze my rotator and created a 4:1 SWR through noon Sunday (K0BJ). The seemingly endless stream of new call signs to work made it a lot of fun (KY1K). This was the very first contest I entered. I'm 65 years old—I guess I'm a late bloomer! (AB4KL). This was my first Sweepstakes in over 25 years. I had forgotten how much fun it could be (WA5KQU). This is fun! Conditions and activity were both FB! (NC7K). The station worked a lot better after I replaced the water-filled coax! (NJ2L). It was another terrific contest, as usual. I am struck by the courtesy of all the operators and their patience with those of us who stumble at times (W1FLX). This was my first Sweepstakes—what a great experience! It was a wonderful way to work on my WAS (KM6LP). I recorded the outgoing voice on the machine early in the morning, when my voice was deep and gravelly. Near the end of the contest, my voice was getting rather high and squeaky. This caused some confusion, especially when one guy said to me,



The Northrop ARC made a clean sweep in the phone Sweepstakes. Shown (l-r) are Dave, N6OUG; Becky; Jeff, N6XSS; Lori, N6YZT; and Dick, K6HRT.



Outside Ida's Motel & Cafe in Beaver Creek, Yukon, John, NL7TB's van supports the antennas for the NL7VJ/VY1 operation on phone.

"Give me the exchange again, you were covered up by some guy in Arizona" (K6LL). I made a clean sweep in my first try! (N8GLS). I added a new state toward 5BWAS and heard two more (AA6MR). The definition of masochism must be operating QRP

Announcing the ARRL November Sweepstakes Plaque Program

We are pleased to announce a new plaque program for the ARRL November Sweepstakes, starting with the 1992 competition.

Each handsome plaque is 10½ × 13 inches, three-colored (dark blue, white and brass), and is ready for mounting. This month's Up Front in QST column shows a color photo of a sample plaque. The sample plaque will also be displayed at the ARRL booth at the Dayton HamVention. If you plan on attending, drop by and take a look.

Plaques may be sponsored for CW or phone for single operator, high power; single operator, low power; single operator, QRP; and multioperator. There will be eight plaques for the overall winners (four CW winners and four phone winners) and eight plaques available in each ARRL Division and Canada. Only plaques that have been sponsored will be awarded.

We are soliciting sponsors for the plaques on a first come, first served basis. Each plaque sponsorship is available for a \$50 donation, which is tax-deductible under IRS Code 501 c 3. If you, your club, group, or business is interested in sponsoring one of the many Sweepstakes plaques, call Contest Manager Billy Lunt, KR1R, during regular business hours at 203-666-1541 for more information. We accept cash, checks and credit cards as payment.

from Alaska (AL7MK). I hadn't intended to operate much this time, but the clean sweep incentive was just too good to pass up (K4BNC). This is my first SS and I can hardly wait until next year. This is a contest where the little pistols have a chance (N4BNO). What were they giving away in Michigan? 13% of the contacts I made were with hams in that state (WB4NFS). It sure is nice having so much more participation (KW8N). I doubled last year's score! (N1HOQ). I did well for the short time that I was able to be on the air (N1FOJ). Conditions were very frustrating here this year (KM0O). This was my first visit from Murphy, yet it was still a great contest! (KD0OZ). It's difficult to be heard on the East Coast on 40 and 80 running low power (K9ZO). This was my first Sweepstakes contest (KB5PLX). Several hams thought that my check was my age! (K16PG). Where was VE1? I heard others working it but couldn't hear it myself (W1TR). The most rewarding part of the experience is that we got some young people very interested in Amateur Radio (KA9RCK). I wish that I could have stayed for the whole contest, as I had great fun (WA2SYN). I thought I was going to miss the sweep until VE8SS called me with just a few hours left! (K2PS). This was one of the greatest SS contests ever. I am already looking forward to next year (K5TS). Thanks to all who made it fun (W7CS). There were a lot of new operators this year (KD8SU). This was my first clean sweep running QRP! (KD2TT). It was

a lot of fun! (N3FTI). This was my first SS entry, and I had a great time (W4WTO). I was glad to get a clean sweep. I must talk too slowly to be competitive (K4LTA). The pin was the main reason I participated (W6HT). I had all the hard sections call me, only to miss a clean sweep by VE2! (WJ1U). Certainly the motivation of the mug was enough to get me to submit the log (NT1U). Boy, I'm ready for next year already! I was so thrilled to get a clean sweep (AA4UF). It was a superb contest which I enjoyed to the hilt (K8OUA). This is the first contest I have entered in 10 years. I sure was out of practice, but the computer and CT sure helped (AD8V). This was the first time that I have tried any contest, and I enjoyed it (KF7VE). I only missed one section—so close, and yet so far (VE3VET). It was challenging to run 2 watts (N5JWL). I had a ball, it was my first Sweepstakes ever! (N7RWH). Eternity is the twelve hours between 76 sections and a clean sweep (K26X). I lost power due to a storm at 2330 local, and rented a generator to finish the contest (K7LXC). I missed the clean sweep, but set my sights on getting a pin (KA3YRG). My biggest thrill was making 150 QSOs in the first hour running 500 W to an all-band vertical (KR0Y). The pin is a nice incentive to operate (W8DYF). This is a great contest to start with. I found out that you don't have to be a big gun station to make a lot of contacts (AB4ZU). It's hard to compete in a phone contest with a flu epidemic in town (W5QZ).

Scores

CW scores are listed first, followed by phone. Within each call area, 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, Q = 5 watts or less). For example, in Connecticut, W1WEF worked 1,174 stations in 77 sections for a final score of 180,796. He operated for 24 hours and used more than 150 watts.

CW

1

Connecticut

W1WEF 180,796 1174 77 24 B
K1XA 155,232 1008 77 24 B
KB1H (WZ1R.op) 146,454 951 77 24 B
K1WB 127,984 842 76 20 B
W1ECH 123,200 800 77 24 A
KR1S 123,046 799 77 24 B
KG1D 106,116 717 74 24 A
W1KKF 104,700 698 75 24 A
K1TO 95,456 628 76 9 B
NJ2L 86,850 579 75 13 B
KH6CP/1 69,160 494 70 24 Q
AB1U 65,450 425 77 24 A
KA1JAN 58,236 422 69 16 B
K1RM 56,000 400 70 6 B
KJ4KB 54,612 369 74 19 A
K1TN 53,144 364 73 8 A
K1DW 40,020 290 69 24 A
K1KI 36,210 255 71 5 A
KA5GIS/1 35,040 240 73 24 A
WV1C 34,952 257 68 24 B
WA1MBK 34,170 255 67 24 Q
WS1F 34,040 234 74 17 A
W1KQ 33,086 233 71 19 A
K1KAV 32,696 244 67 20 A
NF1J 32,256 256 63 8 A
NZ1M 31,590 243 65 10 A
WA1FCN 28,676 214 67 24 A

WA1LJP 22,458 197 57 12 A
K1CC 21,720 181 60 3 B
KQ1O 21,168 168 63 15 A
KA1WIF 18,544 152 61 14 A
KA1UKR 14,388 109 66 24 A
K1ZZ 13,860 126 55 2 B
NX1Q 12,144 132 46 4 A
W1PE 10,914 107 51 8 A
W1TS 10,716 114 47 5 A
N1EPU 10,302 101 51 24 A
W1OK 9,840 123 40 24 A
K1BTD 4,922 107 23 9 B
NY1V 4,070 55 37 24 A
NG1J 2,128 38 28 3 A
N1JW 1,800 36 25 1 A
KF1B 16 4 2 1 A
W1AW (KC1VX,KM1P,N1KGY,NM1K,
N01R,NS1T,W1s,NJ,M,OD,WV1X,
KJ4KB,ops) 122,512 805 76 24 B
K2SX/1 (+NET) 80,234 521 77 24 B
WJ1B (N1EPU,WA1U,ops) 42,780 310 69 21 A
AA2Z (+NET) 27,872 208 67 3 B

Eastern Massachusetts

W1FM 83,472 564 74 24 A
K1CGJ 77,390 545 71 24 Q
W1KEE 77,250 515 75 24 A
W1MJE 75,900 506 75 24 Q
KA1IOR 74,692 526 71 12 B
K1INTR 68,524 463 74 15 A
K5MA 30,030 231 65 4 B
KB2R 29,346 201 73 13 A

WT1T 28,980 210 69 24 A
KB1KM 24,780 177 70 18 A
WA1G 21,168 189 56 24 A
W1AX 18,632 137 68 4 B
N01J 17,632 152 58 9 A
N1AJJ 12,036 118 51 6 A
WQ1I 6,954 61 57 9 A
K1XM 3,500 50 35 2 A
KQ1F 2,754 51 27 2 A
NZ1D 756 21 18 8 A
N1FYZ 4 2 1 1 A

Maine

NX1T 97,532 659 74 24 A
KX1E 83,860 599 70 23 A
K1MBO 66,900 446 75 24 A
WA1NDC 43,332 314 69 24 A
W1XN 33,664 263 64 17 A
WA1C 30,256 244 62 24 A
W1KX 26,280 219 60 7 Q
K1JB 24,054 211 57 24 B
ND1A 11,938 127 47 13 A
N1GRO 11,440 110 52 7 A
N1AFRC 3,422 59 29 4 Q
WW1P 1,102 29 19 7 Q

New Hampshire

W1PH 132,000 880 75 24 A
K1TR 95,780 830 76 23 Q
KC1F 88,800 600 74 12 A
WA1LNP 81,928 532 77 18 A
N01V 69,138 501 69 22 A
WS1E 66,600 450 74 24 A
N1HFE 13,886 131 53 18 Q

N1CUJ 11,424 112 51 9 Q
KD1AW 5,616 72 39 17 Q
K1GW (+NET) 52,976 344 77 24 B

Rhode Island

KA2AEV/1 143,100 954 75 23 B
K1IU 140,140 910 77 24 A
N1SW 127,312 872 73 24 B
K1MD 93,684 633 74 24 A
KC1RG 63,648 442 72 18 A
KM1X 52,780 377 70 11 A
KC1CU 49,680 360 69 19 A
K1VSJ 42,612 318 67 11 A
N1GRQ 36,176 266 68 22 A
K2MN 14,850 135 55 7 A
WA1HYN 13,056 192 34 5 B
KA1CZ/N 6,724 82 41 16 A
W1RFQ 5,202 51 51 4 A

Vermont

N4DW 137,522 893 77 24 A
W1S 128,590 835 77 20 B
NW1S 109,648 712 77 21 A
WA1GUV 73,264 482 76 24 Q
W1TL 65,240 460 70 20 A
N1HLJ 18,396 146 63 18 A
N1DHT 14,868 126 59 11 A
K1CLN 12 3 2 2 A

Western Massachusetts

W2SC 163,548 1062 77 24 B
K21M 117,952 776 76 22 A

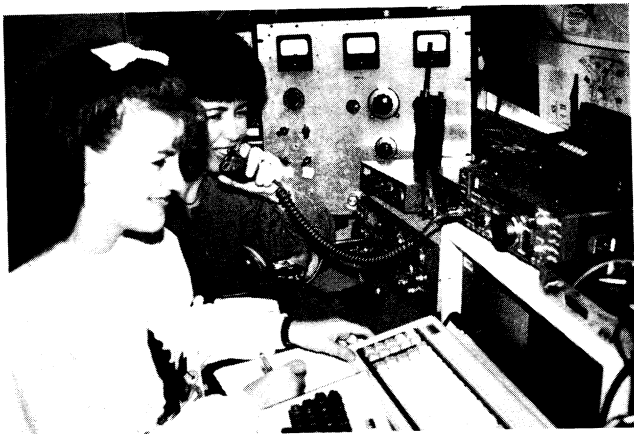
W1BYH 71,610 465 77 12 A
NK1I 30,498 221 69 17 Q
KA1GWQ 28,854 229 63 15 A
W1FLX 23,912 196 61 7 A
N1JAC 9,792 102 48 24 Q
W1XH 7,548 111 34 6 Q
KY1K 3,776 59 32 2 A
KA1PU 2,538 47 27 11 A
K1KNQ 612 18 17 7 Q

2

Eastern New York

N2AZS 127,724 863 74 24 B
N2DU 105,450 703 75 24 A
WA2STM 105,150 701 75 19 B
N1CC 103,642 673 77 13 A
K2UF 98,128 612 72 23 A
K2ONP 85,424 562 76 14 B
K2DW 75,550 497 75 24 A
AG2X 61,410 445 69 20 A
AA2Y 49,896 378 66 17 A
W2XM 41,208 303 68 14 A
WE2G 29,820 210 71 13 A
WB2YLR 26,368 206 64 11 A
NY2U 25,172 203 62 14 A
KA2AQV 21,492 199 54 11 A
N2CJ 16,864 136 62 13 A
AA2GS 15,544 134 58 13 A
WD2K 14,762 121 61 19 A
N2KGN 14,080 128 55 20 A
WA3INC 13,800 150 46 9 Q

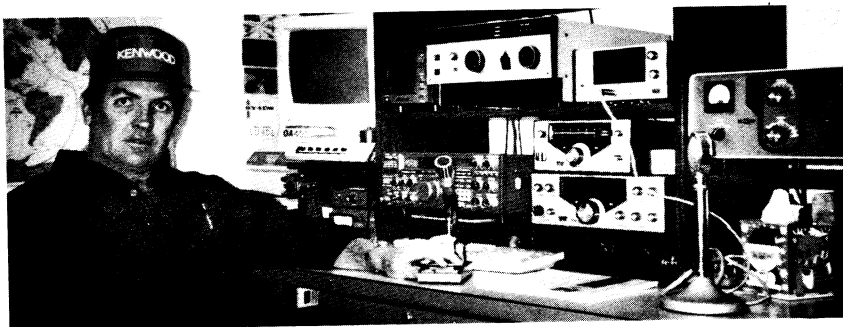
W2NRD	12,800	100	64	10	1	K8ZJZH/N	4,690	67	35	16	N4YOS	27,572	226	61	21	KA	26,400	200	66	14	K5DP	16,888	149	56	8	Q	
W2BHKR	11,656	124	47	22	A	K8AVL	3,286	53	31	12	W4F	20,764	178	58	8	KB	24,400	200	61	12	AASNN	12,444	122	51	8	Q	
N2JJO	9,600	100	48	6	A	W2AOG	2,700	50	27	1B	W5C8Q	16,588	143	58	10	W	21,842	163	67	12	KB5PLX	10,656	111	48	6	B	
N2FMZT	6,000	75	40	12	A	N2DM	2,112	44	24	6	N4QB	14,828	138	53	5	A	W4VC	20,088	162	62	9	KG5OE	8,772	102	43	15	A
K2RI	4,218	57	37	10	A	NG2P	1,160	29	20	5	Georgia						KM4YY	17,936	152	59	24	AASHV	4,788	63	38	6	A
N2CKV	2,914	47	31	10	A	KA2SJK/N	448	16	14	2	N8LM	104,340	705	74	24	A	K4ARLJ	17,920	128	70	10	KBSLER	532	19	14	14	A
K2JSC	2,668	46	29	7	A	W2HPF (+NET)	32,976	229	72	5B	K8AGID	88,996	574	77	24	Q	N4ROA	17,080	140	61	13	South Texas					
N2FTF	1,258	37	17	7	A	W2HG (+NET)	12,012	78	77	8B	K8AGID	88,996	574	77	24	Q	N4MNM	13,144	124	53	7	W5XD	158,080	104	76	24	B
K2GH	690	23	15	7	A						AA4VD	83,620	565	74	16	B	W4DELJ	12,450	125	50	10	W5ASP	153,230	995	77	20	B
K2DK	672	21	16	5	Q						W4OUN	62,926	431	73	24	B	W4LML	12,100	121	50	9	ACSK	109,440	720	76	24	A
W2AUKP (+W2AJOH)	81,750	545	75	21	B						W4UW	57,540	411	70	24	A	W4MUR	11,858	77	77	10	K3L	105,820	715	74	12	B
W2SZ (K1APRT,N2KZ,WB2KMY,ops)	37,884	287	66	24	B						N4RK	49,580	335	74	19	A	W4SNH	11,704	77	76	18	W5D	105,336	693	76	18	Q
											K4MJ	37,800	270	70	19	Q	N4GUS	9,546	111	43	10	K4H2Z	58,692	402	73	18	Q
											K3GC	28,272	228	62	17	A	K4GEL	9,200	100	46	9	K7GM	55,096	388	71	8	Q
											W8MHS/4	22,010	155	71	9	A	N4JEO	4,320	60	36	4	N5BA	42,624	288	74	19	Q
											KN4OD	19,836	171	58	8	A	K4UFPN	4,096	64	32	12	W5VK	39,536	312	64	24	B
											W4KQ	12,978	103	63	24	A	AB4OR	2,668	46	29	4	W5NR	38,190	285	67	13	B
											K4JUS	9,312	126	48	17	Q	W3FTG	1,104	24	22	2	W5PWG	30,954	201	77	15	B
											K4Y	12,096	136	48	17	Q	W4ZPF	1,100	25	22	4	W5NZ	30,240	216	70	13	A
											N4LDZ	11,616	121	48	6	Q	WB2SAIT	420	15	6	1	AA5LF	29,882	223	67	24	A
											KY2P	11,200	100	56	5	A	N3JT	2	1	1	1	W5YLB/5	29,700	225	66	10	B
											KCAZBO	364	14	13	4	A	W8B0FR (+N4YE)	110,250	735	75	24	K5DX	28,210	217	65	20	B
											W4SAS	144	9	8	1	A	K4IX (+N2JB,N4BRA,WYU,WBRJL)	83,400	556	75	24	ACBE	25,192	188	67	10	Q
											W4AOL (W4ABY,K80I,ops)	167,244	1086	77	24	B	W4YE (+K4CAX)	57,888	402	72	10	AKSE	24,500	175	70	16	A
																	W4NFS (+W4BRM)	53,466	399	67	16	W5GI	15,648	147	53	17	A
																	W4RV (+K1FR)	37,076	299	62	7	K5RC	12,198	107	57	3	A
																	K3SW (+NET)	15,300	150	51	11	K5WA	10,080	105	48	2	A
																					K5JS	9,030	105	43	12	A	
																					K5GN	8,904	106	42	2	A	
																					N5NDL	680	20	17	5	A	
																					K5L20 (+W5BRUS)	100,640	680	74	10	B	
																					K5SCP (+N5EY)	70,650	471	75	22	B	
																					West Texas						
																					N5RZ	187,264	1216	77	24	A	
																					N5NA	93,980	635	74	16	A	
																					W5BEUC	54,168	368	74	20	A	
																					W5FE (+NET)	26,950	175	77	13	B	
																					6						
																					East Bay						
																					N6RO	185,570	1205	77	24	B	
																					N6EK	155,340	1022	76	24	B	
																					K6XJ	127,350	849	75	24	A	
																					K6ATV	39,608	287	69	11	A	
																					N6DA	17,490	165	53	4	A	
																					N6RE	13,200	110	60	7	A	
																					K6HII	9,400	100	47	24	B	
																					W6RCH	4,760	70	34	14	A	
																					A6GM	648	18	18	1	A	
																					Los Angeles						
																					AA4KB	171,912	1131	76	24	B	
																					N6HC	143,220	930	77	24	A	
																					AB6FO	129,206	839	77	24	A	
																					W6BBL	107,338	697	77	24	B	
																					W6BDS	92,500	625	74	19	A	
																					W6SDS/6	83,856	374	72	18	B	
																					W6ATL	34,776	252	69	6	A	
																					W6BWK	31,688	233	68	11	A	
																					A6MZ	21,000	175	60	9	A	
																					N6RVC	13,568	128	53	9	Q	
																					W6SGJ	10,600	100	53	4	A	
																					K1TKL/6	9,320	106	44	7	A	
																					N7KR	7,980	135	64	6	Q	
																					N6XJG	7,310	85	43	7	A	
																					N6OPR	7,040	80	44	12	A	
																					K6UYK	5,920	80	37	4	A	
																					W6D	836	22	19	4	A	
																					N6HBC	384	16	12	6	Q	
																					N6TCZ	2	1	1	1	A	
																					W6FSF (+W6BJE)	60,750	405	75	18	A	
																					Orange						
																					AA6VX	100,640	680	74	24	A	
																					W6HLL	66,598	469	71	20	A	
																					K6NIV	60,736	416	73	21	A	
																					AA6PW	58,464	406	72	20	A	
																					K6HRT	46,376	341	68	18	B	
																					K2PLF/6	38,640	280	69	10	A	
																					W6NT	21,306	201	53	20	A	
																					W6ARN	15,300	150	51	7	A	
																					W6ATMY	14,840	104	53	9	A	
																					W6CUU	12,502	133	47	8	B	



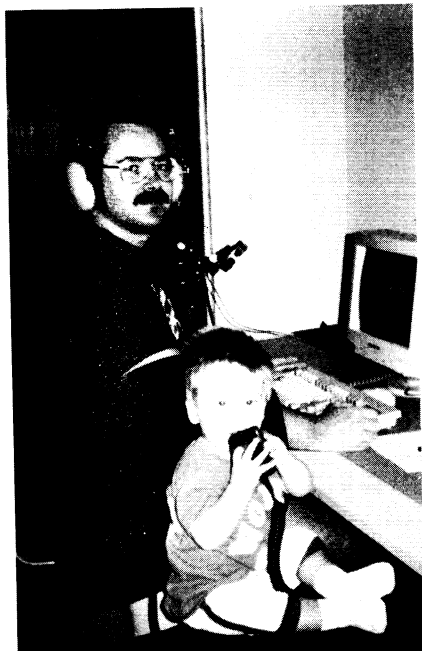
This mother and daughter team, Pam, N5KW, and Melissa, KB5PLX, operated side by side in the phone contest.



9-year-old Novice Derek, KB2LDZ, gives it a go for the pin on phone.



David, K5TS, claims, "This was one of the greatest Sweepstakes ever!" His 1167 QSOs were good enough for second place in South Texas on phone.



Bob, K0DD, lets the junior op make a few contacts.



George, WB5VZL, logs away at N5AU's phone superstation. He wound up in third place in the high-power category.





Phone

1

Connecticut

W1WEF 221,452 1438 77 24 B
K1IN 162,624 1056 77 24 B
K1CISJ 159,544 1036 77 19 A
W1U1 153,368 1009 76 24 B
WB1DWO 102,416 692 74 23 B
W1AW (KH6CP/1,op)

101,250 675 75 24 B

WS1Y 72,076 487 74 12 A

WV1C 71,568 504 71 24 B

W1ECHO 68,376 444 77 12 A

K1D1 61,292 398 77 10 B

N1JW 60,568 452 67 9 B

K1FM 56,580 410 69 8 B

NX1Q 54,416 358 76 12 A

AB1U 52,052 338 77 24 A

N1HRA 51,696 359 72 24 A

K1YRP 49,494 339 73 24 B

K1CC 48,384 384 63 3 B

WO1P 48,020 343 70 24 B

K1CXR 47,664 331 72 13 A

NY1V 46,944 326 72 13 A

K1C1OH 46,376 341 68 14 B

W1ALJP 42,420 303 70 18 A

K1K1 39,000 300 65 6 A

N1EPU 38,982 267 73 24 A

K1ABB 35,904 264 68 17 A

K1TN 35,424 246 72 6 A

WM1Q 34,000 256 11 1 A

W1MBK 27,392 214 64 21 Q

KB1MY 26,642 173 77 8 B

KQ1O 25,216 197 64 13 A

K1JKB 21,440 160 67 9 A

K1W1F 20,064 167 57 39 A

W1TS 19,520 160 61 9 A

W1B1 19,116 162 59 1 A

NG1J 18,810 165 57 7 A

W1C1 18,810 165 57 7 A

AW2 16,510 127 65 24 A

WB8IMY 16,464 147 56 7 A

KF1B 14,796 137 54 13 A

NJ2L 14,784 132 56 3 A

NZ1M 11,342 107 53 5 A

W1OX 9,680 110 44 11 A

K1KAX 9,430 115 41 24 A

K1KAX 8,976 88 51 24 A

N1BQ/T 7,836 124 32 18 A

N1FHR 7,854 119 33 24 A

K1C1J 7,400 100 37 5 A

K1S1ZP/T 5,544 99 28 8 A

K1MIS/T 3,040 80 19 5 A

WB1DQ 1,932 46 21 2 A

N1JCY 960 35 14 3 A

W1OD (+K1C1V,N1JUV)

211,596 1374 77 24 B

AA2Z (+NET) 100,254 651 77 10 B

W1QK (+K1SYG) 100,254 651 77 24 A

K1DW (+K1NCD) 77,616 504 77 21 A

K1A1UKR (+KASGS,WB7OWM) 43,800 300 73 20 A

W1ATRY (+K1VDF,K1A1S WAT,WAU, ZDU,W1KKF,WA1S COQ,MYX) 42,780 310 69 14 A

W4DJJO (+N2KQO) 32,040 267 60 17 A

W1B1H (+NET) 24,024 277 77 8 B

W1NRG (K1VDF,K1A1S WAT,WAU,ZDU, W1KKF,WA1S MYX,TRX,ops) 20,736 162 64 10 A

WQ1G (+N1JJU) 14,910 105 71 14 A

Eastern Massachusetts

WA1G 202,356 1314 77 22 B

K5MA 197,890 1285 77 19 B

K1A1HOR 189,112 1228 77 24 B

N1HOQ 120,916 817 74 24 A

N1AU 110,418 717 77 24 B

K51A 84,084 546 77 12 A

W1VL 80,400 425 71 23 A

W1W1 52,500 355 75 24 A

WB2DND 50,204 326 77 24 B

WA1ML 50,204 326 77 24 A

K1AMR 46,860 330 71 16 A

K1MBO 45,600 304 75 24 A

K1BT 45,582 321 71 13 A

W1TUM 40,442 277 73 12 A

W1F1 37,582 254 74 13 A

W1FM 36,856 271 68 8 A

K1BK1 34,160 244 70 20 A

WU1T 32,706 237 69 13 A

WT1T 30,000 200 75 24 A

W1ALXP 26,136 198 66 18 A

K1UQA 21,000 150 70 22 A

K1C1PRL 17,808 159 56 7 A

K1C1PRL 16,884 134 63 24 A

AD8V 16,368 132 62 24 A

K1UQO 15,620 142 55 24 A

K1SQ 14,384 124 58 4 A

K1W1D 13,440 120 56 12 A

K1VKT 13,176 122 54 10 A

W1AX 13,160 94 70 6 B

K1B2R 9,836 94 47 4 A

NZ1D 8,512 112 38 10 A

KB1X1 8,240 103 40 24 A

N1HKV 7,104 111 32 24 A

N1FYZ 7,030 95 37 9 A

NR1J 5,320 70 36 5 B

N1PE/T 3,584 66 27 11 A

W1MJ 1,656 36 23 1 Q
W1AF (KA1UTE,N1R,NZ1W,ops)
208,824 1356 77 24 B
NO1J (+NET) 50,024 338 74 9 B
W1BK (+WA1UAR)
16,790 115 73 24 B
N1JCB/T (+N1JZP)
8,514 99 43 14 A

Maine

K1RQ (NJ1F,op) 119,664 831 72 24 B

NY1E 117,348 762 77 24 A

K1JB 89,250 595 75 24 B

NX1T 70,810 485 73 24 A

W1XN 65,142 423 77 17 A

KA1ZX 56,210 365 77 24 A

WQ1H 21,976 164 67 12 A

N1KBP 20,580 147 70 23 A

KX1E 13,362 131 51 13 Q

KR1B 13,260 130 51 7 A

N1AFC 7,400 100 37 5 Q

K1CYF 4,352 64 34 24 A

W1J (+K1CZ,N1S
DQX,DYM,JRO,NQ1L,WA1ERJ)
36,036 273 66 24 A

WB1EGT (+W1DLC) 30,360 220 69 21 A

N1CDF (+N1GAX) 12,992 116 56 9 A

New Hampshire

WB1HBB 100,254 651 77 22 A

WA1LNP 97,128 639 76 19 A

AK1L 67,452 462 73 24 B

K1TR 33,132 251 66 4 A

AF1T 30,800 200 77 7 A

AE1D 28,858 307 47 17 A

KD1AW 28,842 209 69 21 A

N1WU 28,542 201 71 24 A

KBLT 19,610 185 53 24 A

KA1OEO 12,150 135 45 24 A

N1HOU 9,288 108 43 34 A

N1MMW 8,000 100 40 24 A

N1FOJ/T 7,560 105 36 11 A

K1CF (+NET) 68,550 575 77 10 A

WK1P (+WA1S WJZ,ZYX)
76,694 511 77 23 A

Rhode Island

K1VJSJ 118,426 769 77 24 A

N1SW 93,002 637 73 24 B

K1C1U 74,400 496 75 19 A

N1GRQ 34,860 249 70 22 A

K2NM 34,688 271 64 10 A

K1HMO 23,254 151 77 12 A

W1RFQ 7,280 65 56 4 B

K1NG (+K1G,W1F1B)
256,718 1667 77 23 A

W1OP (K1PLX,N1S BAO,JA,ops)
156,618 1017 77 20 B

W1DDO (KA1S YTT,BZV,KV1O,N1S JFY
JQW,JVS,JY,NB1U,ops)
33,138 263 63 23 A

Vermont

WB1GQR (WB2JSJ,op) 239,624 1556 77 24 B

KL7DN/1 33,120 230 72 13 A

K1B1U 32,568 236 69 16 A

K1HK1 20,824 137 76 15 A

WA1ITZ 17,712 164 54 17 A

N1HWM 13,176 122 54 9 A

N1HLJ 10,810 115 47 24 A

W1TS (+WA3CQW) 174,020 1130 77 19 B

K1CLN (+KB1XO) 36,936 342 54 9 B

Western Massachusetts

K21M 175,408 1154 76 22 A

KB1RI 157,234 1021 77 18 B

K1KNQ 36,046 269 67 10 B

NT1U 28,028 182 77 13 B

K1SPO 20,094 197 57 15 A

W1FLX 18,096 156 58 10 A

N1H2C 14,592 114 64 24 A

N1FUST 7,140 102 35 9 A

K1PU 1,218 29 21 6 A

WA1NYV/T 528 24 11 7 A

W1YK (KM1P,NQ1R,N2KLO,ops)
104,104 676 77 11 B

KY1K (+NK1I) 88,996 574 77 24 A

K1SS 61,600 400 77 24 A

N1JAC (+K1YTR) 45,300 302 75 24 A

2

Eastern New York

K2UF 130,592 848 77 23 A

K2POF 92,862 603 77 19 A

WA2EOV 88,396 574 77 24 A

N2CJW 73,920 480 77 18 A

K2JDW 73,458 477 77 16 A

N2DU 67,890 465 73 15 A

N1C2C 67,740 441 70 6 B

WM2Y 46,080 320 72 22 B

AG2X 45,298 319 71 15 A

N2KGD 41,454 329 63 15 A

N2CKV 31,680 240 66 15 A

N2LDR 31,080 222 70 20 A

WA1KMK 28,098 223 63 9 B

WK2S 27,434 211 63 12 A

NY2U 26,448 228 58 17 A

WB2HR 22,176 198 56 10 A

W2EJR 20,100 150 67 18 A

WE2G 19,440 135 72 8 A

WD2K 18,318 129 71 17 A

WA2ZE 17,808 168 53 7 A

N2LBE 17,024 152 56 17 A

WB2KHE 16,308 151 54 6 B

K2JCN 16,240 140 58 8 A

W2ARQ 15,964 111 72 24 B

K2FCY 15,504 152 51 9 A

WB2YLR 15,370 145 53 7 A

N2KLO 15,008 134 56 14 A

K2JSC 14,580 135 54 8 A

N2LBR 14,250 125 57 7 B

K2D2R 13,132 137 68 24 A

W2XL 12,960 135 48 3 A

WV2N 10,810 115 47 24 A

KE2JJ 9,936 108 46 8 A

W2NRD 9,480 79 60 8 A

K2RI 9,416 107 44 24 A

N2MTJ 8,944 104 43 9 B

KB2KRP/T 5,800 100 29 24 A
N2MFZ/T 5,460 105 26 13 A
N2JOH 5,032 68 37 3 A
WD2AJS 4,648 83 28 11 A
WA2STM 3,400 50 34 1 A
N2JZ/T 2,800 37 17 9 B
KF2CE 2,400 40 30 4 A
KB2LNG/T 1,440 48 15 8 A
N2LCO/T 1,190 35 17 10 A
WA3RKB/T 1,056 44 12 11 A
KE2ZF 950 35 19 5 A
KA2ZYW/T 140 14 10 10 A
KY2J (+KA2TIP) 212,982 1383 77 24 B
W2SZ (KA1S UTM,UTU,KB2S INO,LTU,
N2IKZ,WB2KMY,W2S2N,N6ZUD,ops)
184,338 1197 77 24 B
WA2UKP (+KB2NPR,WA2JQK)
157,080 1020 77 19 B
KE2SD (+NET) 46,856 324 72 24 A
KA2VBI (+N2LOD)
38,400 300 64 21 A
KB2DY/T (+KB2JZS)
10,728 149 36 16 A

NYC-Long Island

KD2RD 161,100 1074 75 24 A

KS2G 83,950 575 73 14 A

NJ2M 72,996 474 77 23 B

K2AL 56,380 381 77 19 B

KD2TT 55,584 361 77 15 Q

WM2V 37,884 287 66 13 A

KE2QD 20,020 182 55 24 A

W2ASYN 13,500 125 54 24 B

W2KZE 12,420 138 45 24 B

North Carolina				WANNND	6,400	80	40	5 A	KGSOE	22,400	175	64	13 A	Pacific		WAKKDS	92,850	619	75	18 B				
NAQY	123,200	800	77	23 B	WB2SAJ	80	8	5	2 A	NSOHL	11,448	108	53	9 A	KH6GMP	46,282	317	73	24 A	K7FDN	47,380	320	74	20 A
NA4A	123,200	800	77	16 A	K4KDJ (K4B6, NT, P1X, KC4WIC, N4s)					KBLSER	8,880	120	37	12 A	NH6WH	18,600	150	62	8 B	N7BXJ	44,162	311	71	10 A
AB4QJ	15,036	734	77	22 A	JLM, ZHN, WA4RDI, ops)					NSKW	8,240	103	40	3 B	NH6R	17,516	151	68	10 A	N7BR	36,580	273	73	10 A
K4JTI	95,172	618	77	24 A	180,796	1174	77	24 B	KBSPXL	7,548	111	34	4 B	KH2T	3,100	50	31	5 A	N4RFR	36,040	265	68	10 A	
AA4NC	51,300	342	75	10 A	KN4SK (+AB4YZ)	125,100	834	75	16 A	AASHV	5,280	60	44	6 A	N7NR/KH6 (+K6GSS)	273,042	1773	77	23 B	KG7RW	32,200	230	70	24 A
K4CNKR	41,472	288	72	16 Q	KC4DY (+N4UPV)	119,196	774	77	21 B	KB5IRL	5,252	101	26	7 A	W7CB	246,246	1589	77	24 B	KATJKJ	26,980	190	71	11 A
WD4AVP	37,398	271	68	11 A	NQ1W (+KC4UJA)	65,296	424	77	24 B	KB5OGO	1,160	29	20	24 Q	W2KVA/6	189,848	1249	76	24 B	W7YS	24,800	200	62	9 A
KS4S	37,240	245	76	23 A	N1CDD (+N4WQJ)	37,808	278	68	15 A	KB5YBT	992	31	16	4 Q	W2KVA/6	189,848	1249	76	24 B	W1NQ	23,100	150	77	17 A
WB4Y	35,964	243	74	14 A	KN4SX (+WB4WEN)	35,074	247	71	23 A	WMAZ (+N5GQ) 267,190	1178	1167	77	12 B	W6FGV	188,188	1222	77	24 A	N7JXS	18,876	161	58	10 Q
WBUT	33,408	232	72	8 B	WA4PGM (+NET)	28,182	183	77	24 B	NJ1V (+AD1S, WA1S, KB5BOB, N5RJM)	245,322	1583	77	24 B	W6TJF	179,360	1180	76	24 B	W6ZT	16,500	150	55	9 A
KB4CEN	30,464	224	68	18 A	Virgin Islands					K3L	251,020	1630	77	20 B	WA6DJS	131,632	866	76	18 B	K7JIT	19,468	141	53	8 A
NB4NO	25,488	216	59	12 A	NP2I	126,768	834	76	18 A	NA4M	141,526	919	77	14 B	K6VMN	125,100	63	75	22 B	N7RAT	12,376	119	52	12 A
W4CBG	22,050	175	63	14 A	NP2N	34,650	275	63	5 A	K5WA	123,508	802	77	10 B	K6KCY	96,712	628	77	18 A	W7ZMD	11,700	150	39	24 A
WR3C/4	15,688	106	74	8 A	NP2DQ	12,240	136	45	8 A	WAS1YX	120,428	782	77	20 A	N6XNV	40,920	330	62	16 A	KB7GCM/T	9,894	131	37	6 A
K2ACE	12,342	121	51	8 A	NP2Q	9,776	104	47	16 A	NSNMX	96,558	627	77	18 Q	W6TJF	179,360	1180	76	24 B	W7AHF	7,874	127	31	3 A
W4A4FV	11,872	112	53	11 A	NP2B (+KV4JC, NP2R)	154,000	1000	77	16 B	W5UFA	65,952	458	72	15 A	K6MP	12,800	128	50	4 A	KL7CQ (+AL7AB, KL7LL)	95,484	654	73	24 B
N4ZC	11,858	77	77	9 B	5					K5IRL	63,758	449	71	11 A	K7SDW	1,872	36	26	2 A	W7ON (+N7NF)	86,702	563	77	17 B
KC4LLV	10,580	115	46	9 A	Arkansas					K5D	58,008	377	77	12 B	W2VNT	1,178	31	19	3 A	Eastern Washington				
WN4GBJ	10,394	118	44	5 A	WB0BF	50,832	353	72	16 Q	WAGYLB	47,740	310	77	22 A	W6QHS (WN4KKH, ops)	324,324	2106	77	24 B	K7FR	220,374	1431	77	24 B
WF2G (+NET)	55,872	388	72	14 B	W1D1CW	39,760	284	70	22 A	K5CSP	38,962	253	77	24 A	N6TU	292,292	1898	77	24 B	K7IO	131,838	903	73	24 A
North Florida				K4VUD	157,850	1025	77	21 A	W5PWG	38,346	249	77	24 B	N6NF	165,376	1088	76	18 A	W1TR	11,720	735	76	22 B	
K4JTV	130,130	845	77	21 A	W4WTO	40,880	280	73	20 A	AK5B	38,250	255	75	13 A	N5BV	76,396	568	71	8 B	W2TV	16,500	150	55	9 A
K4MRQ	101,992	671	76	24 A	WC2G	31,500	210	75	15 A	W5AFK	30,940	221	70	12 B	K6JMV	50,370	365	69	20 A	AA7HG	44,980	346	65	19 Q
N4UF	97,020	630	77	18 B	AB4KL	31,080	210	74	15 A	NS4F	25,868	223	58	12 A	A48X	49,842	351	71	24 B	N7RWH	26,796	203	66	24 A
K4WTV	40,880	280	73	20 A	K4UJW	30,810	210	74	15 A	NS4D	23,370	205	57	9 A	K6RYI	45,900	306	75	18 A	K7PK	23,364	177	66	8 A
W4WTV	31,500	210	75	15 A	K4KRV	24,140	170	71	13 A	W6F1	20,096	157	69	10 A	K6KCY	9,408	98	48	24 A	W7WMO	15,744	164	48	10 A
AB4KL	31,080	210	74	15 A	K4ZM/CU4	22,848	168	68	20 A	NS4JW	18,172	154	59	8 B	K6KCY	9,408	98	48	24 A	W7WJW	11,280	120	47	9 A
K4UJW	30,810	210	74	15 A	N4EEB	16,562	168	69	3 A	W5WML	17,640	147	60	6 B	K6KCY	9,408	98	48	24 A	K7YHVN	10,578	129	41	24 A
K4KRV	24,140	170	71	13 A	K4HHW	13,250	125	53	8 A	W5WML	17,640	147	60	6 B	K6KCY	9,408	98	48	24 A	Idaho				
K4ZM/CU4	22,848	168	68	20 A	N4XXO/T	11,172	133	42	7 A	NSPST	163,392	1104	74	22 A	K6KCY	9,408	98	48	24 A	W7ZRC	262,262	1703	77	23 B
N4EEB	16,562	168	69	3 A	KB4VIR/T	9,240	105	44	8 B	W5WML	16,392	1104	74	22 A	K6KCY	9,408	98	48	24 A	K7TA	195,888	1272	77	24 A
K4HHW	13,250	125	53	8 A	N4RNL	8,730	97	45	9 A	NSPST	163,392	1104	74	22 A	K6KCY	9,408	98	48	24 A	W7WJW	11,280	120	47	9 A
N4XXO/T	11,172	133	42	7 A	K4GLS/T	4,104	76	27	9 A	W5WML	16,392	1104	74	22 A	K6KCY	9,408	98	48	24 A	W7WJW	11,280	120	47	9 A
KB4VIR/T	9,240	105	44	8 B	N4UY	1,400	35	20	24 A	W5WML	16,392	1104	74	22 A	K6KCY	9,408	98	48	24 A	W7WJW	11,280	120	47	9 A
N4RNL	8,730	97	45	9 A	W4WTV	40,880	280	73	20 A	W5WML	16,392	1104	74	22 A	K6KCY	9,408	98	48	24 A	W7WJW	11,280	120	47	9 A
K4GLS/T	4,104	76	27	9 A	W4WTV	40,880	280	73	20 A	W5WML	16,392	1104	74	22 A	K6KCY	9,408	98	48	24 A	W7WJW	11,280	120	47	9 A
N4UY	1,400	35	20	24 A	W4WTV	40,880	280	73	20 A	W5WML	16,392	1104	74	22 A	K6KCY	9,408	98	48	24 A	W7WJW	11,280	120	47	9 A
W4WTV	40,880	280	73	20 A	W4WTV	40,880	280	73	20 A	W5WML	16,392	1104	74	22 A	K6KCY	9,408	98	48	24 A	W7WJW	11,280	120	47	9 A
W4WTV	40,880	280	73	20 A	W4WTV	40,880	280	73	20 A	W5WML	16,392	1104	74	22 A	K6KCY	9,408	98	48	24 A	W7WJW	11,280	120	47	9 A
W4WTV	40,880	280	73	20 A	W4WTV	40,880	280	73	20 A	W5WML	16,392	1104	74	22 A	K6KCY	9,408	98	48	24 A	W7WJW	11,280	120	47	9 A
W4WTV	40,880	280	73	20 A	W4WTV	40,880	280	73	20 A	W5WML	16,392	1104	74	22 A	K6KCY	9,408	98	48	24 A	W7WJW	11,280	120	47	9 A
W4WTV	40,880	280	73	20 A	W4WTV	40,880	280	73	20 A	W5WML	16,392	1104	74	22 A	K6KCY	9,408	98	48	24 A	W7WJW	11,280	120	47	9 A
W4WTV	40,880	280	73	20 A	W4WTV	40,880	280	73	20 A	W5WML	16,392	1104	74	22 A	K6KCY	9,408	98	48	24 A	W7WJW	11,280	120	47	9 A
W4WTV	40,880	280	73	20 A	W4WTV	40,880	280	73	20 A	W5WML	16,392	1104	74	22 A	K6KCY	9,408	98	48	24 A	W7WJW	11,280	120	47	9 A
W4WTV	40,880	280	73	20 A	W4WTV	40,880	280	73	20 A	W5WML	16,392	1104	74	22 A	K6KCY	9,408	98	48	24 A	W7WJW	11,280	120	47	9 A
W4WTV	40,880	280	73	20 A	W4WTV	40,880	280	73	20 A	W5WML	16,392	1104	74	22 A	K6KCY	9,408	98	48	24 A	W7WJW	11,280	120	47	9 A
W4WTV	40,880	280	73	20 A	W4WTV	40,880	280	73	20 A	W5WML	16,392	1104	74	22 A	K6KCY	9,408	98	48	24 A	W7WJW	11,280	120	47	9 A
W4WTV	40,880	280	73	20 A	W4WTV	40,880	280	73	20 A	W5WML	16,392	1104	74	22 A	K6KCY	9,408	98	48	24 A	W7WJW	11,280	120	47	9 A
W4WTV	40,880	280	73	20 A	W4WTV	40,880	280	73	20 A	W5WML	16,392	1104	74	22 A	K6KCY	9,408	98	48	24 A	W7WJW	11,280	120	47	9 A
W4WTV	40,880	280	73	20 A	W4WTV	40,880	280	73	20 A	W5WML	16,392	1104	74	22 A	K6KCY	9,408	98	48	24 A	W7WJW	11,280	120	47	9 A
W4WTV	40,880	280	73	20 A	W4WTV	40,880	280	73	20 A	W5WML	16,392	1104	74	22 A	K6KCY	9,408	98	48	24 A	W7WJW	11,280	120	47	9 A
W4WTV	40,880	280	73	20 A	W4WTV	40,880	280	73	20 A	W5WML	16,392	1104	74	22 A	K6KCY	9,408	98	48	24 A	W7WJW	11,280	120	47	9 A
W4WTV	40,880	280	73	20 A	W4WTV	40,880	280	73	20 A	W5WML	16,392	1104	74	22 A	K6KCY	9,408	98	48	24 A	W7WJW	11,280	120	47	9 A
W4WTV	40,880	280	73	20 A	W4WTV	40,880	280	73	20 A	W5WML	16,392	1104	74	22 A	K6KCY	9,408	98	48	24 A	W7WJW	11,280	120	47	9 A
W4WTV	40,880	280	73	20 A	W4WTV	40,880	280	73	20 A	W5WML	16,392	1104	74	22 A	K6KCY	9,408	98	48	24 A	W7WJW	11,280	120	47	9 A
W4WTV	40,880	280	73	20 A	W4WTV	40,880	280	73	20 A	W5WML	16,392	1104	74	22 A	K6KCY	9,408	98	48	24 A	W7WJW	11,280	120	47	9 A
W4WTV	40,88																							

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Wyoming

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8

Michigan

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WB8C 2,500 50 25 3 A
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WB8C 2,500 50 25 3 A
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WB8C 2,500 50 25 3 A
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WB8CF 50,172 339 74 21 A
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WB8TH 42,150 281 75 17 A
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WB8UP 33,320 238 70 16 A
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WB8C 2,500 50 25 3 A
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WB8VPC 9,660 105 46 5 A
N8LGT 9,200 100 46 15 A
N8BC 8,190 105 39 24 B
K8BHG 8,004 87 46 12 A
K8KGW 7,872 123 32 13 A
WB8E 6,400 100 32 24 A
N8NOU 5,940 99 30 11 A
N8FY 5,440 80 34 24 A
K8SNF 5,390 77 35 10 A
K8SDRY 5,046 87 29 6 A
WB8GNX 3,740 55 34 4 A
K8BMU 3,564 54 33 7 A
WB8RSA 2,700 50 27 24 A
WB8C 2,500 50 25 3 A
K8DUIT 2,332 53 22 4 A
N8NJE 2,090 55 19 7 A
K8BFC 2,014 53 19 6 A
K8BFW 750 25 15 2 A
K8KNMT 750 25 15 2 A
N8JVN 8 2 2 1 A
K8LX (+N8EA,W8ZDT) 182,550 1217 75 24 B

WB8S 68,068 442 77 22 A
N8BNE 66,882 433 77 22 A
N8FEH 66,576 438 76 24 A
K8RDJ 63,648 442 72 17 A
K8OT 59,616 414 72 15 A
N8KSO 57,888 402 72 18 A
N8AG 56,364 366 77 16 B
WA8CJR 56,092 379 74 16 A
K8SB 54,386 383 71 15 A
K8GOM 54,020 365 74 16 A
WB8ZM 50,204 326 77 17 A
WB8CF 50,172 339 74 21 A
K8CV 49,096 361 68 13 B
WB8MTT 47,088 327 72 22 B
AA8FF