

Results, 48th Annual ARRL November Sweepstakes

If I can work a Clean Sweep, Yukon too!

By Mark Wilson,* AA2Z and Bill Jennings,** K1WJ

The 1981 running of the ARRL November Sweepstakes will probably be remembered as the contest when it was relatively easy to get a clean sweep; on phone, at least. For one thing, we had a clean sweep. We received entries from every ARRL section on both modes; in fact, we received at least two logs from every section except VE7 on phone and VE4 and 5 on code. One quarter of the phone entrants, 323 in all, worked all 74 sections. Pretty impressive, huh? On cw, things weren't quite so good. Count yourself lucky if you were among the 55 ops (5%) who made it on code.

Now for some numbers. We received 2372 official entries this year, up slightly from 2344 last year. Of these, 1285 were for phone and 1087 for cw; compared to last year, the phone entries were up slightly and the cw entries down.

The top scores also reflected a higher activity level. On phone, the average top-ten phone score is up by 9.5% (25,396 points) to 292,551, while the average top-ten cw score is up by 5.7% (9526 points) to 175,320. Pretty healthy increases on both modes! The top low-power phone scores reflect a 6.3% increase, but the top low-power cw scores are down about 2%.

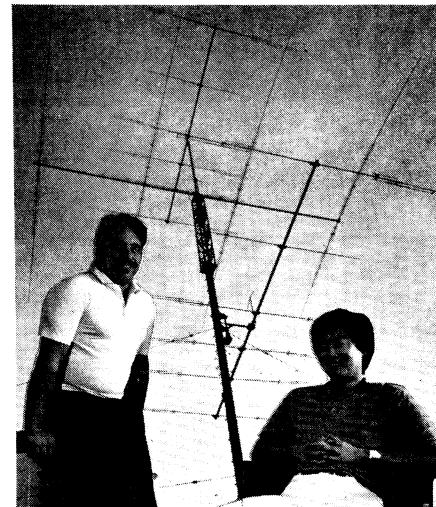
Competition on cw this year was close, but

that's what makes the Sweepstakes such an exciting contest. Note the high power cw scores. Leader N5AU at 1246 QSOs is only 55 ahead of number 10, K6LL. That's a difference in score of 2.29 QSOs per hour — enough to make you think twice about leaving the rig for a few minutes to stretch or get a drink. The top low-power scores were close on code, with 82 QSOs separating numbers one and 10.

Phone competition was not as close, with



Wait, W6CP, no. 2 low power score on phone and no. 3 on cw.



The phone and cw operators of K7RI — K7SS (l) made it to number six on phone and W7WA (r) turned up as number nine on cw.

Top Ten

Phone

	Phone	Cw	
KV4FZ (WA6VEF)	327,820	N5AU (K5ZD)	184,408
K0RF (W0UA)	313,612	N6TR	182,780
WA7NIN (W6OAT)	305,324	K0RF (W0UA)	182,484
N5AU (K5ZD)	303,548	KV4FZ (N6OP)	175,380
K6MYC (N6IG)	292,152	W2YV (N2NT)	174,196
K7RI (K7SS)	288,896	N6RO	172,426
KB6I (N6TR)	280,608	K7GM	171,088
W5WMU	274,244	K3LR	170,820
AA5B	270,248	K7RI (W7WA)	170,498
W2PV (K1AR)	269,064	K6LL	169,122

Top Ten Low Power

Phone

	Phone	Cw	
W5MYA	218,300	W2TZ	135,780
W6CP	194,472	N6NO	133,580
WA6DIL	191,660	W6CP	131,720
WB7BNP	180,264	KB7G	131,424
K7MX (KB7G)	179,820	KJ9W	130,088
KB4I (K2PO)	176,660	K4XU	128,448
WD6EWL	175,972	K0Luz	128,316
K0AB (WB6IWL)	172,080	K0EU	126,380
K5QQ	171,532	WA7UEC	126,290
KD6PY	162,356	KT5X	125,504

Top Ten Multop

Phone

	Phone	Cw	
K0WA	254,264	N5DKG	154,512
K0UK	242,572	WB8JBM	154,322
W4QAW	222,740	W9YB	149,628
K1CC	214,896	W2VJN	148,336
WA1TFF	210,012	K9NO	145,008
N5DKG	209,420	K0WA	144,598
K5RX	209,124	K8ND	141,044
WB8BIP	206,904	K6TG	130,378
WB8CMM	205,130	K6FVF	130,088
WB8JBM	202,464	K0D	129,848

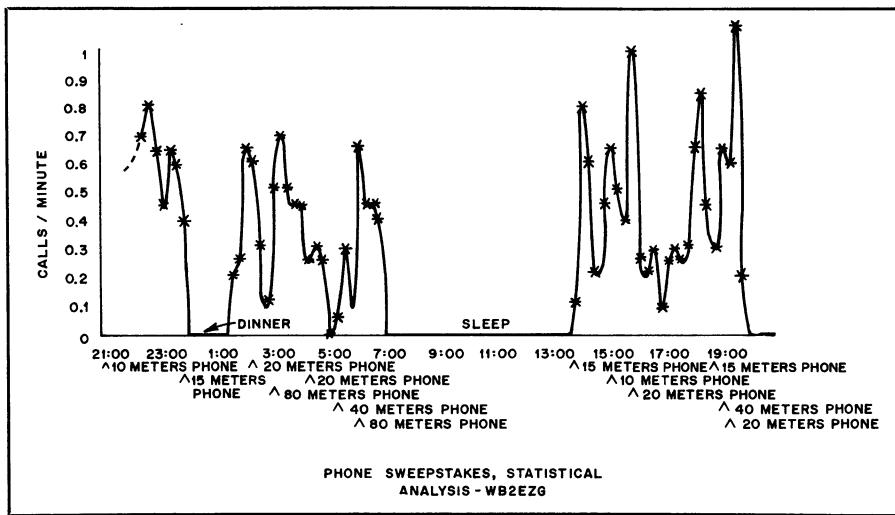
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Three generations of the Dankert family participated in the N6EGC phone SS multop effort. From the left are W6RII, N6EGC and Danny, who handled the dupe sheet.



Everything clicked for Randy, K5ZD, as he keyed N5AU to a first place, single-op finish on cw.



Throughout the contest Gary was hounded by George, W0UA, at K0RF, Rusty, W6OAT, at WA7NIN, and Randy, K5ZD, at N5AU, who all broke 300 kilopoints. The West Coast almost engineered a "clean sweep" of the top positions on phone again this year. However, John, K1AR (at W2PV) found a burst of energy in the last hour, caused in part by close competition from K2TR, and snuck in. On low power, it was Mike, W5MYA, by a large margin, with a score not achieved by many high-power entrants.

Competition among the multiops were especially fierce on cw between N5DKG and WB8JBM, with DKG winning by a few points. The midwest made an especially fine showing in this class, with all stations except W2VJN and N5DKG being from the eighth, ninth or 10th call areas. On phone, the Kansas group that took top multiop honors last year operated K0WA to victory this time around. Nice job, fellows! Other top phone multis were spread around the country.

Last year's analysis of the equipment needed to make top ten in the high power class brought some requests for a similar analysis of the top low power stations. Before that, however, here are a few tidbits from the high power list. K7RI's station made the top ten both modes with stacked tribanders and a 40-meter beam. AA5B on phone and K7GM and K6LL on cw made it with single tribanders at 40-60 feet and dipoles. Guess operator ability still counts for something!

Among the low-power stations, tribanders were the norm, rather than the exception. Out of the top ten on both modes, 11 had tri-band beams, seven had monoband beams and two had tri-band quads. They were fairly well equipped on 40, however, as 11 had beams of some description, ranging from wire arrays to 4-element rotaries at 100 feet. All used dipoles or verticals for 80. The value of 40 meters is evident.

This year's club competition looked entirely different from last year's. For the first time since 1974, the Potomac Valley Radio Club swept to victory with an outstanding showing in the unlimited class. PVRC decided to really try for top spot this year; just look at all those high scores in Maryland and Virginia. Farther down the list, at the top of the medium-class pack, you'll find the group that traditionally wins the unlimited class — the Northern California Contest Club. Exhausted from their tremendous efforts in the fall DX contests, NCCC could only manage 50 entries for SS. Not far behind was the Texas DX Society, last year's winning group. The local class gavel was won this year by a club from New Mexico, of all places, the Albuquerque DX Assn. Led by veterans AA5B and K5TA, this group won by more than 300,000 points. Congratulations to the winners, and also to all of the clubs for helping foster such a good turnout this year.

New to this year's writeup is a table showing how the high-power division leaders were doing at various times during the contest. Find the leader in your area and see how you were doing compared to him. Did you get off to a slower start? Did you fall behind in the late evening or on Sunday? Did you take too many breaks, or not enough? A little study might help you to pinpoint those times during the contest where you need improvement, be it more sleep, less sleep, a better choice of bands, or a better antenna for the band that's open when you fall behind.

Last, this writeup would not be complete

Division Leaders — Phone

Division	High Power	Low Power	Multioperator
Atlantic	K3UA	K3TW	W2OW
Central	K9RS	KJ9W*	K9NO
Dakota	KM0W	K9FRP	K9TG
Delta	W5WMU*	W5WG	W5SED
Great Lakes	K8LX (WA8ZDT)	K8EE*	WB8JBM
Hudson	W2PV (K1AR)	WA2STM*	WA2LQO
Midwestern	AB0I (K8BX)*	WD8EW*	K9WA
New England	K1OX (K1RX)	K1WB	K1CC
Northwestern	K7RI (K7SS)*	WB7BNP	KB7SE
Pacific	WA7NIN (W6OAT)	WA6DIL*	W6BIP
Roanoke	WD4AXM	WA4DAX (K8EJ)	W4QAW
Rocky Mountain	K0RF (W0UA)*	W9CP	K9UK
Southeastern	KV4FZ (WA6VEF)	KB4I (K2PO)*	N4KG
Southwestern	KB8I (N6TR)	KV8I	N6DJW
West Gulf	N5AU (K5ZD)*	W5MYA*	N5DKG
Canadian	VE1YX (AA2Z)	VE5BBD	VE5QM

*Indicates new division record.

Division Leaders — CW

Division	High Power	Low Power	Multioperator
Atlantic	K3LR	W2TZ*	K3CR
Central	K9KM*	KJ9W*	W9YB
Dakota	K0ZZ	N9NO	K9TG
Delta	K5GO	K4XU	WA4UIH/5
Great Lakes	K8NZ	N8EA	WB8JBM
Hudson	W2YV (N2NT)	W2CS	W2VJN
Midwestern	K4VX (K8RC)	K9LUZ	K9WA
New England	K1KI	W1PH	K91H
Northwestern	K7RI (W7WA)*	KB7G	W7JYW
Pacific	N6RO	WA7UEC	W6BIP
Roanoke	N8II	KC8C	K2BA
Rocky Mountain	K0RF (W0UA)	W9CP	KC0D
Southeastern	KV4FZ (N8OP)	N4UF	KA4MGQ
Southwestern	N6TR*	N7CW	N6CYL
West Gulf	N5AU (K5ZD)*	N5JB	N5DKG
Canadian	VE5DX	VE3JTQ	

*Indicates new division record

Clean Sweep — Both Modes

K1BW, K1RX, K1ZM, K3AO, W3XU, K4BAI, K4FU, WB4JLG, K5WA, K5ZD, KG5U, KN5H, N5CDO, N5DKG*, N6IG, N6KB, N6TR, NF8H, K7GM, K8AC, W8LT*, K9BG, K9UWA, W9YB, K9LUZ, K9WA*, KJ9D, W9CP, W9UA

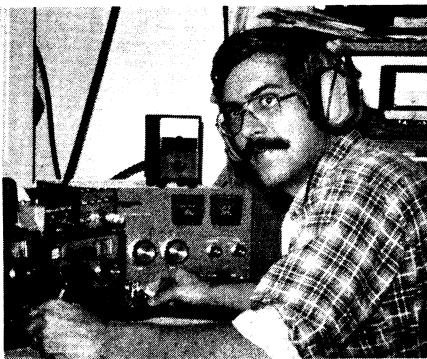
*Multioperator

397 QSOs between top-scoring KV4FZ and 10th-place W2PV. However, 'PV still had to average 75.75 QSOs per hour to attain his spot in the top ten. That performance is 7.21 QSOs per hour better than last year's number 10 phone man.

The top-ten cw scores this year came from all

call areas except 1, 8 and 9. Randy, K5ZD, operated N5AU to the top slot, narrowly beating Tree, N6TR, who in turn edged out George, W0UA, at K0RF by two QSOs. Tree has already asked us to reserve the top spot in the 1982 cw SS for him, so George and Randy had better not let their operating skills get rusty. The East Coast fared a little better on low power — Fred, W2TZ, heads the list and K4XU appears at number 6, but the rest of the scores came from the fifth, seventh, ninth and 10th call areas.

Some people say that all you have to do to win the Sweepstakes is go to the Caribbean and call CQ for 24 hours. That's putting it a bit simply, according to Gary, WA6VEF, who piloted KV4FZ to victory on phone.



The number seven single operator cw score belongs to former ARRL Contest Administrator K7GM.



1981 was a year of rebuilding at the University of Florida ARC station, W4DFU. Kurt (l), WA9YNE, went single op on phone and Paul, WB6ZEC, went at it alone on cw.



WB3FAA, the number two phone scorer from the Eastern Pennsylvania Section, teamed up with WB3CAI on cw to take the EPA multiop honors.

without a word of praise for the hams who brought you that elusive VE8/VY1 multiplier. Thanks on code to VY1DD and VY1BQ for getting on to complete those rare sweeps. And thanks on phone to Lee, N7DF, and his brother John, K0HGW, who spent considerable time and money to travel to the Yukon with beams, towers, rigs and amplifiers. We know their efforts were appreciated from the number of soapbox comments about the availability of VY1. Thanks also to Peter, VY1CJ, for a fine single-op effort. Lee left a tribander and tower with the fellows up there, so look for more participation in future contests.

SOAPBOX

I was set up at the Boston City Morgue — yep, that's right — half way between two autopsy rooms on the fourth floor. I even slept for four hours there. It was quite an experience (K1KZL). I must confess that the phonetics are colorful — K8 Mother Nature, WA2 Little Orbiting Satellite, KA2 French Fried Shrimp and K7 Fat Rat. But alas, in that I missed VE4 thus the sweep on the phone, the most applicable for my effort was — N6 No Dice (W9GXR). Been hamming since 1959 and this is my first SS entry. What a blast (WA6GFR). First time I'd tried duping during the contest — and it worked! Post-contest log checking yielded only one bad QSO (AA5B). Does everyone find it as amusing as I do to listen to the guys on 20 meters with 25-kHz-wide signals complain that the kid who is running 50 watts, trying to work a VE8 "too close to his frequency," thus wiping out the hour long rag chew with the other 5 kW station across town? How come the low-power ops can't ever be heard by the station that they're calling, but can always wipe out one of the "owners" of 20 meters? (W1HAF). The W8LT/W9LT mix-up still exists. It must have cost each about 100 QSOs (W9LT). Where was the Maritime-Newfoundland Section? (K4KZZ). [I was there for 1695 QSOs — Ed.] We did discover a new part of Murphy's Law — When two or more stations call you at once, the one you answer is always a dupe (KK5I). Moved the station to the work QTH — first SS ever with no TVI (W9PL/5). A VY1 called me — wow! (KA5GJO). What luck! My first 74 QSOs were all 74 sections! (N3JT). Many thanks to N7DF for his trip to VY1. Can't say that I recommend running low power in the SS. The walls cave in too often (K5HM). Will be curious to see if anyone broke 1200 Qs on cw. Heard lots of stations well over 1100 in the final hour (K1ZX/4). [Three stations did — N5AU, N6TR and K0RF — Ed.]. Still have some QSLs from the 1934 SS hanging on the wall (W4RHZ). Why do the "big guns" leave their calls out of the exchange? Is it to double their QSO rates? (KCS1G). Murphy clobbered the computer at the office. Got rich on overtime — got poor on SS score (KW4T). Make it like Field Day with more points for low power (W0LSD). I was thrilled with my first hour of "barefoot" operation. Had 108 QSOs and 33 sections (KM0W). My wife, who has a Novice License, found the VY1 which gave

us a clean sweep (K9KB). My one negative comment concerns the number of people who came back to me on ssb by saying "Roger, thanks for Utah" and then QSYing before they could be corrected. Give them no mercy; they deserve to miss VY1 for not listening carefully. Of course, in retrospect, I will have to admit that Yukon and Utah do sound a bit alike. And, after all, who would expect the DragonFly to light in the Yukon? (N7DF/VY1). Stopped running stations with 10 minutes of operating time left in order to find a VE6 for a sweep. Found one with three minutes to spare. In my elation, I didn't even bother to use up the last three minutes (K7GM). I moved since last year. New shack is still in the planning stages so had to operate from the dining room table. At least I was in the right place for mealtimes (WB4FOT). Always seems like a regular SS family reunion with a few new members each year. Enjoy making these brief acquaintances annually and hope to work many of them again next year (WB8DQP/WB8JBM). This year WB2JSJ joined the list of roving "hired guns" as he travelled to southern Vermont to operate at arch rival K1K's station (if you can't beat 'em — join 'em) . . . Duping took nine minutes and 30 seconds per page (100 QSOs). To do the total log of over 1500 QSOs, it took two hours and 22 minutes. Where do I sign up for one of "them that computers?" (WB2JSJ/K1K). Whatever happened to asking if a frequency is in use before popping down and calling CQ? Had a great deal of trouble with that sort of thing this year. I would tell them that the frequency was in use after their first CQ and they would usually QSY, but I missed a number of QSOs due to this (N6IG). My first contest since the 1964 SS, when, as a Novice, I blew a fuse — and I had no spare (WA5KGS). To the slave doing the logs: Greetings (and my condolences) (K8DO). [What do you mean by slave, Dennis? If I could get these chains off my leg and get to the phone, I'd give you a call and tell you that being elevated to slave status would be a promotion — Ed]. The lack of a 75th section points out another reason why we shouldn't have given away the Canal Zone. . . SS — electronic warfare for the civilian. . . 141 dupes — next year I'm getting a computer. . . It's a good thing that SS, like Christmas, only comes once a year. . . I'm surprised that I didn't wear out the heads on my tape deck. I must have played my CQ tape 5000 times . . . True electronic masochism (WD5GSL/WB0TEV).

CW — Division Leaders QSO Breakdown by Time

Cumulative Number of QSOs at:

Call	2200Z	0000Z	0300Z	0900Z	1500Z	2100Z	0300Z	Off times
K3LR	85	229	443	756	834	1018	1186	7
K9KM	60	174	347	684	806	969	1106	5
K4ZZ	66	194	364	592	716	906	1047	8
K5GO	76	209	374	653	767	971	1155	6
K8NZ	71	208	380	680	772	928	1080	5
W2YV (N2NT)	94	239	437	753	853	1047	1191	8
K4VX (KB0RC)	68	179	340	627	717	892	1034	7
K1KI	82	243	437	683	823	986	1123	10
K7RI (W7WA)	95	254	458	732	751	972	1212	2
N6RO	88	247	446	761	870	1042	1200	8
N8II	54	162	318	559	634	837	1006	4
K0RF (W0UA)	91	239	462	778	882	1037	1237	4
KV4FZ (N6OP)	80	235	444	677	756	1009	1203	4
N6TR	100	262	494	762	886	1065	1248	8
N5AU (K5ZD)	100	260	451	783	876	1080	1263	7
VE5DX	65	187	375	620	679	918	1135	3

Phone — Division Leaders QSO Breakdown by Time

Cumulative Number of QSOs at:

Call	2200Z	0000Z	0300Z	0900Z	1500Z	2100Z	0300Z	Off times
K3UA	130	308	592	984	1133	1378	1579	7
K9RS	116	312	631	1004	1195	1423	1671	6
KM0W	109	262	396	580	602	874	1088	3
W5WMU	138	392	756	1128	1226	1709	1972	5
K8LX (WA8ZDT)	94	247	475	898	1039	1309	1580	5
W2PV (K1AR)	136	380	611	1087	1261	1627	1942	8
AB0 (KB0X)	126	312	611	1078	1219	1568	1834	3
K1OX (K1RX)	131	343	554	923	1070	1448	1804	4
K7RI (K7SS)	168	423	713	1151	1216	1624	2058	5
WA7NIN (W6OAT)	144	416	747	1214	1248	1716	2162	3
WD4AXM	111	270	492	800	945	1283	1526	2
K0RF (W0UA)	167	461	853	1291	1409	1787	2167	5
KV4FZ (WA6VEF)	163	397	706	1289	1483	1901	2337	9
KB6I (N6TR)	148	425	748	1201	1311	1753	2056	6
N5AU (K5ZD)	171	442	771	1200	1355	1743	2084	6
VE1YX (AA2Z)	147	336	524	611	953	1438	1745	3

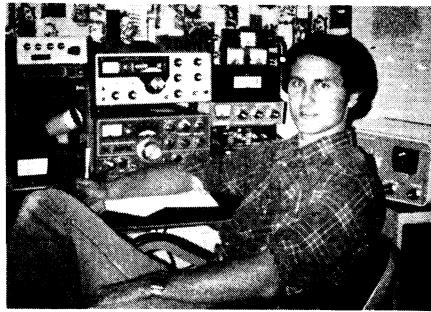
Club Competition

Unlimited Category

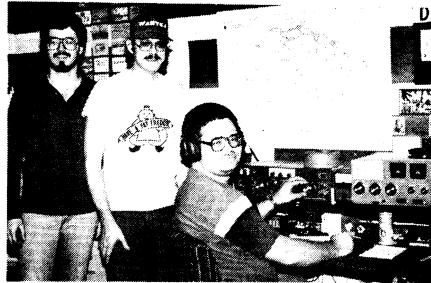
	Score	Entries	Phone Winner	CW Winner
Potomac Valley RC Yankee Clipper Contest Club	11,761,452 7,082,944	131 79	WD4AXM W2PV	W3LPL W2YV
Medium Category				
Northern Calif. Contest Club	5,827,214	50	WA7NIN	N6RO
Texas DX Society	5,583,806	43	N5JJ	N5JJ
Murphy's Marauders	4,318,361	41	W1WEF	K1TO
North Texas Contest Club	3,715,798	33	N5AU	N5AU
Mad River RC	3,468,844	30	K8LX	K3LR
III. Wind Contesters	3,285,196	31	K9RS	K9KM
Colorado Contest Conspiracy	2,262,218	16	K0RF	K0RF
Rubber Circle Contest Club	1,785,258	14	K7RI	K7RI
Kansas City DX Club	1,771,916	13	AB0I	AB0I
Eastern Iowa DX Assn.	1,377,842	13	K0LUZ	N4RRI
South Jersey Radio Assn.	1,247,124	35	WA2KOK	K2YV
Frankford RC	1,201,018	13	N2MM	N3AD
Murgas ARC	1,055,878	23	WB3FAA	KA3A
Northern Ohio ARS	981,130	17	K8AC	AAB8
Point Radio Operators Society	947,244	11	K3UA	K3UA
Penn Wireless Assn.	784,748	14	WB3DJF	AA3B
RC of Tacoma	825,742	28	W7BUN	W7LKG
Saginaw Valley ARA	777,113	23	K8DO	N8RW
Fort Wayne RC	761,188	13	K8BMO	K9UWA
Robbinsdale ARC	521,082	11	K8BPM	WB0HRX
Eastern Mich. ARC	515,296	13	K8DD	K8DD
Wisconsin Valley RA	504,726	17	W9NA	K9NM
Central Mich. ARC	470,748	15	KABCL	W8VPC
Gloucester Co. ARC	336,526	11	N2BCF	K2HPV
Ramapo Mountain ARC	304,802	11	N2AAZ	W2LVT
L'Anse Creuse ARC	191,752	12	N8AOE	WA8QAF
Long Island DX Assn.	166,752	3		

Local Category

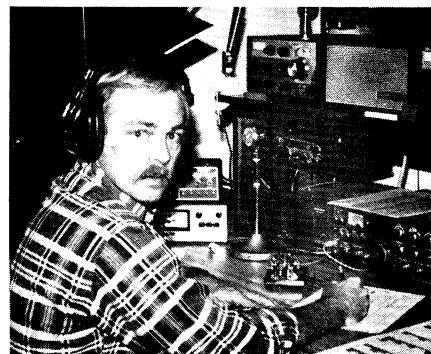
Albuquerque DX Assn.	1,413,196	10	AA5B	K5TA
Southern Calif. Contest Club	1,089,798	10	KB6I	N8TR
Lincoln ARC	975,360	9	K0SCM	
Overlook Mountain ARC	856,030	10	W2XL	W2XL
Fraternal Order of Radio Contest Enthusiasts	828,272	7	WA0VQR	N0NO
River City Contesters	805,076	8	KV6H	K8SG
Western ARA	791,416	9		K6CYX
Central Florida DX Assn.	735,562	7		N4WW
Northern Florida ARA	727,434	8	N4UF	
Willamette Valley DX Club	712,974	5		W7NI
Utah ARC	662,178	9	N7RR	K3FR/7
Western Washington DX Club	544,902	10	WB7BNP	K7FR
United Radio Amateurs Club	511,302	6	K16Z	
Binghamton ARA	502,718	6	N6IN/2	
Mississippi Valley DX and Contest Club	502,132	7	K9BGL	
Columbus ARA	501,876	9	W8LNO	W8LNO
Central Arizona DX Club	472,614	3		K1YRP
Eastern Conn. ARA	465,950	8		
Machine Contest Club	464,736	4		
Sevier Co. ARC	421,428	5	KF4H	
Orange Co. Contest Soc.	413,106	4		
Schaumburg ARC	407,998	6	KA9FUG	K9LW
Schenectady ARC	399,138	10	W2ARQ	AG2X
Texas Assn. of Contest Ops.	382,434	4		
Motor City RC	384,816	9	K8SIA	K8SIA
Northwest Arkansas ARC	339,256	5		K5GO
Rochester DX Assn.	332,918	6	W2HPF	
Northrop RC	323,440	6	W6CN	
Providence RA	321,848	8	WA1TAQ	KA1AWS
Ventura County ARC	314,050	5	WA6DJS	
Montrose ARC	302,408	4	K1GAS	AA4FF
Lynchburg ARC	302,392	8	AA4FF	K2SX
Wireless Institute of the Northeast	296,232	4		
Southeastern DX Club	293,444	3		
Redwood Empire DX Assn.	279,880	3		
Canton ARC	277,736	8	K1BD	N8BM
Poughkeepsie ARC	275,588	4	WB2KMY	
Dayton ARA	274,306	5	N8BJQ	
Fork ARC	269,696	3	KM0W	
Long Island Contest Klub	267,794	4		
AR Transmitting Soc.	262,028	3		
Mitre-Bedford ARC	258,924	5		
Long Island Mobile ARC	253,084	8	K2AU	
Mid Ohio Valley ARC	245,340	5	KC8JH	
Reading RC	241,674	7	N3CHL	
Hartan Co. ARC	223,744	4	ND4Y	
Conn. Wireless Assn.	222,156	4		
Minneapolis RC	213,314	3		
OH-KY-IN ARS	212,972	8		
Massillon ARC	208,400	10	KB8LH	N8FU
Flyweight DX Group	204,444	3		
Hazleton ARC	193,030	4	KB3WQ	
Rockford ARA	192,456	4	AK9N	
Grumman ARC	196,728	8	WB2FMP	K2CMV
Rip Van Winkle ARS	154,988	5		W2DW
Everglades ARC	153,206	6	KD4BU	K4QE
Valley RC of Eugene	152,330	5	A17W	
Splitrock ARA	148,840	4		
Wichita ARC	147,376	6	WA0HWH	
Montgomery ARC	146,984	5	KA3DXZ	
Fresno ARC	143,734	8	WB8ITM	KS8C
Boeing Employees ARS	131,110	10	K7GZO	W7LUR
Utica ARC	127,566	7	KJ2Q	K2XU
Lockport ARA	125,724	7	WB2SWL	AE2T
IBM Owego ARC	109,928	3		K2MQY
Hughes Fullerton Employees Assn. ARC	107,178	4	KA8ISX	
Cuyahoga Falls ARC	85,356	6	W8DXT	
Intercity ARC	70,254	3		WA8KKN
Chicago Radio Traffic Assn.	63,256	4		
Rowan ARS	63,130	3	N4UH	
Northern VA RC	52,840	5	WD4KQJ	
Kettle Moraine Radio Amateurs	52,522	3		N9EZ
Larkfield ARC	46,700	3	KK2E	
West Park Radiops	43,990	3		
Boulder ARC	36,900	3		



KM0W, Stu, was the top single op scorer from the Dakota Division on phone and went multioperator with KE0A for the cw weekend.



The operators of the top multioperator station in the phone SS, not to mention a FB number 6 finish on cw, are (l to r): AB0S, WA0TKJ and K0WA. The call used was K0WA, and the guys attribute their success to K0WA's station building ability with a healthy assist from Coors.



Ken, KM5H, went low power on both modes from Oklahoma for a total of over 250 kilo-points.

FEEDBACK

Please refer to pages 83-92 of May 1981 QST for the following corrections to the 1980 Sweepstakes Results.

In the cw listings, KA1CLV should have been listed in the Eastern Massachusetts Section, not Connecticut.

In the phone Top Five Multioperator Box, AB0S with a score of 233,988 should have been listed as the winner, and K1IK with a score of 208,236 should have been listed in the number five position.

Correct the call sign of the phone multiop winner from Southern New Jersey to WB2YOF, not WB2YDF.

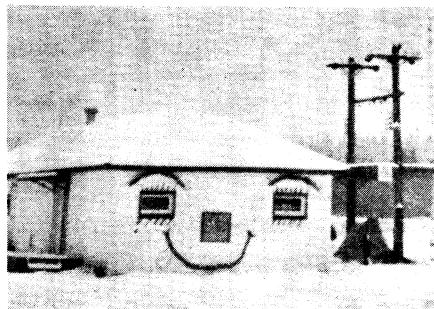
The multiop phone winner in the Atlantic Division is W2OW not WB3EPC.

K8AAZ is the phone club certificate winner for the Westpark Radiops.

AH6BL's cw score was left out of the listings by mistake. Guy's linescore should read 68,018 - 479 - 71 - 20 - A, thus making him the cw winner from the Pacific Section.

WB8MZZ should have been listed as the operator of AD8P, the top phone station from Ohio.

CW	Eastern New York	K2QR	260- 13-10- 1-A	W3YI (N2s PC, SL, AC3C, N3MC, KA2CDJ 112- 8-7- 2-A WA2GXE 50- 5- 5- 2-A WA2STM 102,672- 713-72-24-A WA2LMO 68,680- 505-68-24-A W2CS 124,416- 889-22-23-A W2XL 111,200- 887-71-24-B KA2CGV (+W2IMO) 36,234- 297-61-24-A WA2SSJ (+WB2LXF) 900- 25-18- 7-A	K4XD 35,164- 298-59-11-B KC4FD 31,110- 255-61-24-A N4NW 28,340- 218-65-10-A W4EZ 22,554- 179-63- 7-A K8E1 22,448- 184-61- 7-A N4TEK 20,760- 173-60-10-A KG4WN/4 17,630- 290-47- 7-B KG4UJQ 16,226- 200-47- 7-B NI4Q 15,810- 155-51- 8-A NN4U 15,370- 145-53-10-A W4EZ 14,600- 256-50-10-A K8E1 12,442- 777-73-24-B WA2SSJ (+WB2LXF) 113,442- 777-73-24-B W2CXM (W2PA, WA2TEO, WB2SJG, opr.) 53,064- 396-67-11-A		
1	Connecticut	KN2F (+KK2Y)	69,882- 723-67-17-B	4	4	4	4
K1KI	165,168-1116-74-24-B	WA2GXE	69,440- 496-70-23-A	Alabama	WA4QHI	35,620- 274-65-12-A	WA4QHI
K1KO	164,724-1113-74-24-B	W2CS	51,830- 365-1-12-A	KA2GB	34,710- 265-65-13-A	W4GFB	8424- 117-36- 4-A
W1ZM (K1ZM)	163,658-1106-74-24-B	W2XL	51,830- 365-1-12-A	W81M	9200- 100-46- 3-A	W4GFB	8006- 196-10-10-A
K1ZZ	160,016-1096-73-24-B	WA2STM	51,830- 365-1-12-A	W4UQ	6400- 98-13-A	W4UQ	6400- 98-13-A
K1RM	141,716- 998-71-24-B	W2LMO	53,196- 429-62-14-B	K4XJS	5600- 100-28- 2-B	K4UQF	3554- 57-31-13-A
W1WEF	140,112- 973-72-24-B	AG2X	53,196- 429-62-14-B	K4A4X	41,860- 299-70-15-A	K4CZA	1776- 37-24- 6-A
K1CC	139,303- 981-71-24-B	K2T R	52,904- 389-68- 7-B	K4GEL	9400- 100-47- 5-A	N4RA	448- 16-14- 1-A
K1XA	138,084- 933-74-24-B	K2AV	28,380- 258-55-10-A	WA4QHI	35,620- 274-65-12-A	K2BA (+KB8MF)	10,908- 101-54-14-A
A1AL	130,476- 978-71-24-B	K2H4	21,670- 197-55-9-A	K4BAI	140,748- 951-74-24-B	W41Y (AF4T, KD4IC, KE4EV,	103,518- 729-71-24-B
W1GNR	109,760- 784-70-24-B	K2A2Y	21,670- 197-55-9-A	K4B4I (K2PO, opr.)	108,220- 773-70-24-A	WB4RDV, opr.)	29,524- 242-61-17-B
W1OD	108,914- 767-71-24-B	K2AR	15,594- 183-59-12-A	K3PI/4	93,240- 666-70-24-A	W4PAY (KY4K, WA4FDV, WD4s	22,000- 200-55-19-A
N1JW (K1GX)	107,660- 769-70-15-B	W2NRD	14,640- 120-61-14-B	K4BAM	74,340- 531-70-19-A	KQJ, LYN, opr.)	
W2B0HV	12,250- 125-49-11-A	W3U3X	157,176-1062-74-24-B	K4Y	6720- 80-42- 8-A		
K1YRP	90,160- 644-70-24-A	K2S2M	90,192- 658-66-10-A	WB4MBN	1840- 40-23-15-A		
K1WA	84,728- 623-68-20-B	K2T KJ	20,800- 183-59-12-A	Kentucky			
WA1DWE	83,214- 603-69-19-A	W2NC	630- 21-15- 6-B	K1O4/	133,152- 912-73-24-B	West Indies	
N1CC	77,840- 556-70-15-A	KA2KSY (+WA2s GVC, UYMI)	56,364- 427-66-24-A	K4FU	102,860- 695-74-22-B	KV4FZ (N6OP, opr.)	
K1QUE	77,142- 559-69-24-B	K2AEV	11,904- 124-48- 9-A	N4X	98,122- 691-71-24-B	175,380-1185-74-24-B	
W1VH	69,968- 510-69-24-B	W2D	11,904- 124-48- 9-A	WB4FOT	90,880- 640-71-24-A	WP4BDS (+NP4s C, D)	46,944- 326-72-24-A
K1DM	69,024- 510-69-24-B	K2GSF	11,904- 124-48- 9-A	K4A3B	129,744- 901-72-24-B		
K1DNW	52,080- 472-70-10-B	K2GSF	129,312- 898-72-23-B	W3ADE	35,154- 279-63-16-A	5	
W1PMR	38,552- 316-61-12-A	K2R2N (N1EE, opr.)	112,464- 781-72-24-A	K3VY	33,306- 273-61-14-B	Arkansas	
K1AVC	26,220- 230-57-21-A	K2G	87,046- 613-71-18-A	W3JKX	32,450- 295-55-15-A	North Carolina	
W891NH	18,563- 182-91- 6-A	K2AU	86,240- 616-70-19-B	W3DWH	23,340- 245-66-13-A	K1O4/	133,152- 912-73-24-B
K1Z	17,056- 162-52- 9-A	K2AEV	80,640- 560-72-18-A	K3AJE	15,874- 181-59-11-B	K4F	167,684-1133-74-24-B
K1QUE	17,056- 162-52- 9-A	K2AV	80,640- 560-72-18-A	W4LSD	72,156- 582-62-20-A	K4F	167,684-1133-74-24-B
W1VH	16,830- 153-55- 6-B	K2B	80,640- 560-72-18-A	W4OYI	38,784- 603-64-11-B	K4F	167,684-1133-74-24-B
K1DM	16,472- 119-44- 4-B	W2B2AY	69,496- 511-68-20-A	W4RHZ	28,672- 224-64-16-A	K4F	167,684-1133-74-24-B
K1DNW	10,472- 119-44- 4-B	W2LPA	57,684- 437-66-23-A	K4C4V	16,952- 163-52- 4-A	K4F	167,684-1133-74-24-B
WA3JW	2784- 48-29- 9-A	W2B2TCQ	50,920- 380-67-14-B	K4F	10,924- 163-52- 4-A	K4F	167,684-1133-74-24-B
W1JHAM	1270- 24-15- 6-B	W2GKZ	44,220- 330-67-14-B	K4F	10,924- 163-52- 4-A	K4F	167,684-1133-74-24-B
K1AEHK	12,078- 18-11-19-A	W2ASYN	42,600- 355-60-12-A	K4F	10,924- 163-52- 4-A	K4F	167,684-1133-74-24-B
KB1H (+WA1HTN)	72,352- 532-68-20-B	K2DX	42,600- 355-60-12-A	K4F	10,924- 163-52- 4-A	K4F	167,684-1133-74-24-B
Eastern Massachusetts		W2LVT	27,264- 213-64- 9-A	K3FQ	10,208- 116-44-11-A	K4F	167,684-1133-74-24-B
K1AR	157,096-1076-73-22-B	W2L2V	13,392- 124-54- 6-A	W3FAA (+WB3CAI)	85,008- 644-66-24-B	K4F	167,684-1133-74-24-B
K1WAI	134,466- 921-73-24-B	W2W	12,426- 109-57- 8-A	WA3OGM (+WA1HTN)	67,584- 512-66-17-A	K4F	167,684-1133-74-24-B
K1VR	109,354- 749-73-24-B	W2K2B	10,800- 135-40- 6-A	KB3Z (+WB3F)	67,340- 518-65-21-A	K4F	167,684-1133-74-24-B
K1WH	100,740- 690-73-22-B	W2NFS	3,300- 38-34- 3-A	WB3KXP (+KA4BPS)	49,368- 374-66-20-A	K4F	167,684-1133-74-24-B
K1VUT	92,460- 670-69-24-A	WB2FMP	480- 20-12- 6-B	K4ATC (AA4NC, WA4OPF, opr.)	26,334- 231-57- 5-A	K4F	167,684-1133-74-24-B
W1FWM	79,902- 579-69-21-A			W4ATC (AA4NC, WA4OPF, opr.)		K4F	167,684-1133-74-24-B
W1MM	75,800- 565-66-18-B			W4ATC (AA4NC, WA4OPF, opr.)		K4F	167,684-1133-74-24-B
K1GE		W2RQ	158,054- 106-74-23-B	WA3OGM (+WA1HTN)	85,008- 644-66-24-B	K4F	167,684-1133-74-24-B
N1RC	64,032- 464-69-19-A	AE2A	143,279-1009-71-24-B	KC3M (+KC3Q)	67,584- 512-66-17-A	K4F	167,684-1133-74-24-B
AD1C	60,900- 435-70-20-A	KR2J	130,170- 904-72-21-A	KB3Z (+WB3F1)	67,340- 518-65-21-A	K4F	167,684-1133-74-24-B
WB1CNM	58,404- 471-62-24-B	W2S5H	96,288- 708-68-19-B	WB3KXP (+KA4BPS)	49,368- 374-66-20-A	K4F	167,684-1133-74-24-B
NIQY	45,890- 335-63-24-B	WB2FUE	74,692- 562-71-24-A	K4ATC (AA4NC, WA4OPF, opr.)	26,334- 231-57- 5-A	K4F	167,684-1133-74-24-B
W1CT	45,890- 335-63-24-B	K2B2A	47,320- 326-64-16-A	W4DPU (WB6ZC, opr.)	113,304- 812-71-24-B	K4F	167,684-1133-74-24-B
K1IDZV	18,924- 212-44-16-A	WB2KOK	59,362- 443-67-22-B	K3T W	104,306- 793-72-24-B	K4F	167,684-1133-74-24-B
W1JP/M	40- 5- 4- 1-A	W2BSYU	58,660- 419-70-17-A	K3T W	104,306- 793-72-24-B	K4F	167,684-1133-74-24-B
New Hampshire		K2OS	45,890- 335-65-20-A	K3T M	131,208- 204-71-24-B	K4F	167,684-1133-74-24-B
K1RX	157,176-1062-74-24-B	K2B2GES	30,856- 266-58-13-A	K3T M	131,208- 204-71-24-B	K4F	167,684-1133-74-24-B
K1OX (K1CF, opr.)	152,224-1072-71-24-B	W2B2L	13,170- 128-67-13-A	K3C U	130,560- 453-68-12-A	K4F	167,684-1133-74-24-B
K1K1	138,262- 947-73-24-B	W2FGY	15,096- 148-51-17-A	K3R Y	39,600- 300-66-18-A	K4F	167,684-1133-74-24-B
K1WPH	124,676- 878-71-24-B	W1BEL	11,150- 157-42- 8-B	K3C KT	38,624- 284-68-11-B	K4F	167,684-1133-74-24-B
K1WD	84,455- 628-68-24-B	W2UVB	9,360- 117-40- 5-A	K3T W	34,224- 276-62-11-B	K4F	167,684-1133-74-24-B
W1QD	240- 12-10- 5-A	W2UVB	54,000- 383-68-14-A	K3T W	32,520- 237-70-22-A	K4F	167,684-1133-74-24-B
K1GW	20,988- 198-53-16-A	W2B2M	42,000- 60-35- 8-A	K3T W	22,520- 251-60-16-A	K4F	167,684-1133-74-24-B
K1AGEY	12,300- 150-41- 8-A	KA2KGD	20,500- 41-25- 6-A	K3T W	22,520- 251-60-16-A	K4F	167,684-1133-74-24-B
N1BEY	7952- 71-56- 9-A	WA2DUE	1178- 31-19- 5-A	K3NA V	24,840- 207-60- 7-B	K4F	167,684-1133-74-24-B
W1JP/M	50- 5- 1- 1-A	N2ACW	960- 24-20- 9-A	W3EE	20,350- 185-55- 9-A	K4F	167,684-1133-74-24-B
K1AKI	2- 1- 1- 1-A	KA2MUI	96- 8- 6- 6-A	W3JRU	19,836- 166-53- 6-A	K4F	167,684-1133-74-24-B
Rhode Island		KA2CQX	2- 1- 1- 1-A	KA2CQX	17,596- 131-56-16-B	K4F	167,684-1133-74-24-B
N1ACU	94,360- 674-70-18-B	N2BCF (+K2NH)	40,320- 315-64-20-A	W3AVP	12,408- 141-44- 7-A	K4F	167,684-1133-74-24-B
WA1CVF	67,804- 506-67-18-B			KA3GSN	9870- 105-47-16-A	K4F	167,



The reason for all of those "clean sweeps" on phone came out of VY1 land. From left VY1DD, VY1AD, VY1CJ and VY1CC set up operations at the forest service radio shop. The ministry of Transport Beacon Site north of Takhini, Yukon Territory, was the site of the N7DF/VY1 and K0HGW/VY1 operation in the phone SS. K0HGW (I) and N7DF tend the power plant.

PHONE

	New Hampshire	Maryland - D.C.
K1OX (K1RX, opr.)	WB2EZG 62,700- 475-66-13-B	KJ2Q 34,036- 254-67- 9-A
253,968-1716-74-24-B	K2RB 55,308- 419-66-14-A	W2TZ 30,470- 277-55- 6-A
K2RK 52,640- 376-70-17-A	WB2SWL 30,114- 239-63-14-A	KA1GD 210,012-1419-74-24-B
AK1A 245,384-1658-74-24-B	K2AU 48,440- 346-70-10-B	W3LPL (WA3ZAB, opr.)
K1RR 169,068-1158-73-20-B	WA2JCX 29,810- 271-55-18-A	28,944- 216-57-16-A
WA1TZV 150,812-1019-74-20-B	W2GKZ 26,412- 213-62- 9-B	WB2QDN 19,440- 180-54- 9-A
KA1O 81,030- 155-73-14-A	W2NC 20,160- 168-60- 6-A	K2EGC 14,946- 141-53-11-B
WA1TFH 71,960- 514-70-24-A	WB2FMP 18,240- 160-57-15-B	WA2WP1 14,784- 154-48-10-A
N1B 61,300- 155-73-14-A	WA2ARC 8,806- 119-37- 8-B	13,250- 125-53-10-A
AG1C 59,220- 423-70-18-A	WA2AVM 55,116- 68-38- 6-B	WB2X 10,952- 74-74- 8-B
K1KA 27,846- 221-63- 4-B	WB2ZE 10,000- 167-58- 6-B	K2A 153,624- 138-74-22-B
WA1T 50,000- 1141-74-21-B	WB2PKA 14,456- 152-64- 9-B	K3NA 151,650- 102-74-15-B
K1QG 10,184- 134-38- 3-A	WB2QXA 14,208- 96-74-15-A	WB2QD 182,736-1269-72-24-B
W1CU 3000- 50-30- 4-A	KA2OVS 12,000- 100-53- 7-A	K3ZQ (K4PQL, opr.)
W1AW (W3A2D, opr.)	K2AHRZ 2784- 48-29- 4-A	145,408-1029-71-24-B
105,672- 714-74-24-B	W2I11 10,600- 100-53- 7-A	WB2BL 922- 87-53-24-A
KA1IM 20,768- 139-59- 5-A	K2LJH 2100- 42-25- 3-A	K3Z 145,264- 981-72-19-B
WB1WEF 139,564- 943-74-24-A	K2MZ/M 1804- 41-22- 3-A	W3MR 141,264- 981-72-19-B
K1WA 139,268- 941-74-21-B	K2CMV 1344- 32-21- 2-A	WB2LEZ 9180- 90-51- 6-A
W1OD 116,654- 799-73-24-B	WB2AVM 10,000- 167-58- 6-B	WB2QD 153,624- 138-74-22-B
W1PK 105,672- 714-74-24-B	WB2QEA 10,000- 167-58- 6-B	K3NA 151,650- 102-74-15-B
KG1D 96,986- 683-71-13-B	WB2QGE 640- 20-56- 3-A	WB2QD 182,736-1269-72-24-B
Rhode Island	WA2LQO (K2DOD, KA2DF1, KB2UB, KC2DH, W2DKM, opr.)	K3Z 145,408-1029-71-24-B
K1NYK 84,840- 606-70-16-B	96,200- 650-74-24-B	WB2VS (+KA2DOD, KB2VQA)
K1M 73,640- 526-67-15-B	AD2S (+WA2BOT)	58,362- 413-71-24-A
WB1WNR 71,428- 511-68-B	K2E (+N2CMQ)	59,362- 413-71-24-A
N1JW 68,870- 485-71-11-A	WB1ZGX 21,114- 153-69-17-A	WB2BGA (+AE2ET)
K1BV 67,452- 462-73-24-B	K1DS 42,884- 302-71-10-A	KA2CDJ (+KA2CVX)
W1VV 65,712- 444-74- 9-B	W1RQF 41,580- 330-63-11-A	11,610- 129-45- 9-A
K1DD 62,288- 458-68-15-A	WB1AWS 360- 20- 9- 4-A	WB3CM 105,846- 767-69-22-B
K1KA 139,268- 941-74-21-B	WB1TFF (+WA1ZV1)	W3ICM 103,896- 702-74-22-B
WB1FVS 194,768-1316-74-24-B	WB1ZV1 106,726- 731-73-16-A	K3TW 103,392- 718-72-1-A
KA1GEY 15,928- 181-44- 7-A	K2LJH 2100- 42-25- 3-A	K3AO 91,316- 617-74-14-B
K1ZZ 185,148-1251-74-21-B	K2MZ/M 1804- 41-22- 3-A	WB2X 10,952- 74-74- 8-B
KA1EKY 10,038- 1141-74-21-B	K2CMV 1344- 32-21- 2-A	W3UJ 132,860- 910-73-24-B
W1AW (W3A2D, opr.)	WB2AVM 10,000- 167-58- 6-B	K3Z 145,264- 981-72-19-B
105,672- 714-74-24-B	WB2QEA 10,000- 167-58- 6-B	WB2QD 182,736-1269-72-24-B
WB1WEY 96,986- 683-71-13-B	WB2QGE 640- 20-56- 3-A	K3Z 145,264- 981-72-19-B
KA1VC 92,056- 622-74-24-B	WA2LQO (K2DOD, KA2DF1, KB2VQA)	WB2VS (+KA2DOD, KB2VQA)
K1WV 84,840- 606-70-16-B	96,200- 650-74-24-B	58,362- 413-71-24-A
K1MV 73,640- 526-67-15-B	AD2S (+WA2BOT)	59,362- 413-71-24-A
WB1WNR 71,428- 511-68-B	K2E (+N2CMQ)	WB2BGA (+AE2ET)
N1JW 68,870- 485-71-11-A	WB1ZGX 21,114- 153-69-17-A	KA2CDJ (+KA2CVX)
K1BV 67,452- 462-73-24-B	K1DS 42,884- 302-71-10-A	11,610- 129-45- 9-A
W1VV 65,712- 444-74- 9-B	W1RQF 41,580- 330-63-11-A	WB3CM 105,846- 767-69-22-B
K1DD 62,288- 458-68-15-A	WB1AWS 360- 20- 9- 4-A	W3ICM 103,896- 702-74-22-B
K1KA 139,268- 941-74-21-B	WB1TFF (+WA1ZV1)	K3TW 103,392- 718-72-1-A
WB1FVS 194,768-1316-74-24-B	WB1ZV1 106,726- 731-73-16-A	K3AO 91,316- 617-74-14-B
KA1GEY 15,928- 181-44- 7-A	K2LJH 2100- 42-25- 3-A	WB2X 10,952- 74-74- 8-B
K1ZZ 185,148-1251-74-21-B	K2MZ/M 1804- 41-22- 3-A	W3UJ 132,860- 910-73-24-B
KA1EKY 10,038- 1141-74-21-B	K2CMV 1344- 32-21- 2-A	K3Z 145,264- 981-72-19-B
W1AW (W3A2D, opr.)	WB2AVM 10,000- 167-58- 6-B	WB2QD 182,736-1269-72-24-B
105,672- 714-74-24-B	WB2QEA 10,000- 167-58- 6-B	K3Z 145,264- 981-72-19-B
WB1WEY 96,986- 683-71-13-B	WB2QGE 640- 20-56- 3-A	WB2VS (+KA2DOD, KB2VQA)
KA1VC 92,056- 622-74-24-B	WA2LQO (K2DOD, KA2DF1, KB2VQA)	58,362- 413-71-24-A
K1WV 84,840- 606-70-16-B	96,200- 650-74-24-B	AD2S (+WA2BOT)
K1MV 73,640- 526-67-15-B	K2E (+N2CMQ)	59,362- 413-71-24-A
WB1WNR 71,428- 511-68-B	WB1ZGX 21,114- 153-69-17-A	KA2CDJ (+KA2CVX)
N1JW 68,870- 485-71-11-A	K1DS 42,884- 302-71-10-A	11,610- 129-45- 9-A
K1BV 67,452- 462-73-24-B	W1RQF 41,580- 330-63-11-A	WB3CM 105,846- 767-69-22-B
W1VV 65,712- 444-74- 9-B	WB1AWS 360- 20- 9- 4-A	W3ICM 103,896- 702-74-22-B
K1DD 62,288- 458-68-15-A	WB1TFF (+WA1ZV1)	K3TW 103,392- 718-72-1-A
K1KA 139,268- 941-74-21-B	WB1ZV1 106,726- 731-73-16-A	K3AO 91,316- 617-74-14-B
WB1FVS 194,768-1316-74-24-B	K2LJH 2100- 42-25- 3-A	WB2X 10,952- 74-74- 8-B
KA1GEY 15,928- 181-44- 7-A	K2MZ/M 1804- 41-22- 3-A	W3UJ 132,860- 910-73-24-B
K1ZZ 185,148-1251-74-21-B	K2CMV 1344- 32-21- 2-A	K3Z 145,264- 981-72-19-B
KA1EKY 10,038- 1141-74-21-B	WB2AVM 10,000- 167-58- 6-B	WB2QD 182,736-1269-72-24-B
W1AW (W3A2D, opr.)	WB2QEA 10,000- 167-58- 6-B	K3Z 145,264- 981-72-19-B
105,672- 714-74-24-B	WB2QGE 640- 20-56- 3-A	WB2VS (+KA2DOD, KB2VQA)
WB1WEY 96,986- 683-71-13-B	WA2LQO (K2DOD, KA2DF1, KB2VQA)	58,362- 413-71-24-A
KA1VC 92,056- 622-74-24-B	96,200- 650-74-24-B	AD2S (+WA2BOT)
K1WV 84,840- 606-70-16-B	K2E (+N2CMQ)	59,362- 413-71-24-A
K1MV 73,640- 526-67-15-B	WB1ZGX 21,114- 153-69-17-A	KA2CDJ (+KA2CVX)
WB1WNR 71,428- 511-68-B	K1DS 42,884- 302-71-10-A	11,610- 129-45- 9-A
N1JW 68,870- 485-71-11-A	W1RQF 41,580- 330-63-11-A	WB3CM 105,846- 767-69-22-B
K1BV 67,452- 462-73-24-B	WB1AWS 360- 20- 9- 4-A	W3ICM 103,896- 702-74-22-B
W1VV 65,712- 444-74- 9-B	WB1TFF (+WA1ZV1)	K3TW 103,392- 718-72-1-A
K1DD 62,288- 458-68-15-A	WB1ZV1 106,726- 731-73-16-A	K3AO 91,316- 617-74-14-B
K1KA 139,268- 941-74-21-B	K2LJH 2100- 42-25- 3-A	WB2X 10,952- 74-74- 8-B
WB1FVS 194,768-1316-74-24-B	K2MZ/M 1804- 41-22- 3-A	W3UJ 132,860- 910-73-24-B
KA1GEY 15,928- 181-44- 7-A	K2CMV 1344- 32-21- 2-A	K3Z 145,264- 981-72-19-B
K1ZZ 185,148-1251-74-21-B	WB2AVM 10,000- 167-58- 6-B	WB2QD 182,736-1269-72-24-B
KA1EKY 10,038- 1141-74-21-B	WB2QEA 10,000- 167-58- 6-B	K3Z 145,264- 981-72-19-B
W1AW (W3A2D, opr.)	WB2QGE 640- 20-56- 3-A	WB2VS (+KA2DOD, KB2VQA)
105,672- 714-74-24-B	WA2LQO (K2DOD, KA2DF1, KB2VQA)	58,362- 413-71-24-A
WB1WEY 96,986- 683-71-13-B	96,200- 650-74-24-B	AD2S (+WA2BOT)
KA1VC 92,056- 622-74-24-B	K2E (+N2CMQ)	59,362- 413-71-24-A
K1WV 84,840- 606-70-16-B	WB1ZGX 21,114- 153-69-17-A	KA2CDJ (+KA2CVX)
K1MV 73,640- 526-67-15-B	K1DS 42,884- 302-71-10-A	11,610- 129-45- 9-A
WB1WNR 71,428- 511-68-B	W1RQF 41,580- 330-63-11-A	WB3CM 105,846- 767-69-22-B
N1JW 68,870- 485-71-11-A	WB1AWS 360- 20- 9- 4-A	W3ICM 103,896- 702-74-22-B
K1BV 67,452- 462-73-24-B	WB1TFF (+WA1ZV1)	K3TW 103,392- 718-72-1-A
W1VV 65,712- 444-74- 9-B	WB1ZV1 106,726- 731-73-16-A	K3AO 91,316- 617-74-14-B
K1DD 62,288- 458-68-15-A	K2LJH 2100- 42-25- 3-A	WB2X 10,952- 74-74- 8-B
K1KA 139,268- 941-74-21-B	K2MZ/M 1804- 41-22- 3-A	W3UJ 132,860- 910-73-24-B
WB1FVS 194,768-1316-74-24-B	K2CMV 1344- 32-21- 2-A	K3Z 145,264- 981-72-19-B
KA1GEY 15,928- 181-44- 7-A	WB2AVM 10,000- 167-58- 6-B	WB2QD 182,736-1269-72-24-B
K1ZZ 185,148-1251-74-21-B	WB2QEA 10,000- 167-58- 6-B	K3Z 145,264- 981-72-19-B
KA1EKY 10,038- 1141-74-21-B	WB2QGE 640- 20-56- 3-A	WB2VS (+KA2DOD, KB2VQA)
W1AW (W3A2D, opr.)	WA2LQO (K2DOD, KA2DF1, KB2VQA)	58,362- 413-71-24-A
105,672- 714-74-24-B	96,200- 650-74-24-B	AD2S (+WA2BOT)
WB1WEY 96,986- 683-71-13-B	K2E (+N2CMQ)	59,362- 413-71-24-A
KA1VC 92,056- 622-74-24-B	WB1ZGX 21,114- 153-69-17-A	KA2CDJ (+KA2CVX)
K1WV 84,840- 606-70-16-B	K1DS 42,884- 302-71-10-A	11,610- 129-45- 9-A
K1MV 73,640- 526-67-15-B	W1RQF 41,580- 330-63-11-A	WB3CM 105,846- 767-69-22-B
WB1WNR 71,428- 511-68-B	WB1AWS 360- 20- 9- 4-A	W3ICM 103,896- 702-74-22-B
N1JW 68,870- 485-71-11-A	WB1TFF (+WA1ZV1)	K3TW 103,392- 718-72-1-A
K1BV 67,452- 462-73-24-B	WB1ZV1 106,726- 731-73-16-A	K3AO 91,316- 617-74-14-B
W1VV 65,712- 444-74- 9-B	K2LJH 2100- 42-25- 3-A	WB2X 10,952- 74-74- 8-B
K1DD 62,288- 458-68-15-A	K2MZ/M 1804- 41-22- 3-A	W3UJ 132,860- 910-73-24-B
K1KA 139,268- 941-74-21-B	K2CMV 1344- 32-21- 2-A	K3Z 145,264- 981-72-19-B
WB1FVS 194,768-1316-74-24-B	WB2AVM 10,000- 167-58- 6-B	WB2QD 182,736-1269-72-24-B
KA1GEY 15,928- 181-44- 7-A	WB2QEA 10,000- 167-58- 6-B	K3Z 145,264- 981-72-19-B
K1ZZ 185,148-1251-74-21-B	WB2QGE 640- 20-56- 3-A	WB2VS (+KA2DOD, KB2VQA)
KA1EKY 10,038- 1141-74-21-B	WA2LQO (K2DOD, KA2DF1, KB2VQA)	58,362- 413-71-24-A
W1AW (W3A2D, opr.)	96,200- 650-74-24-B	AD2S (+WA2BOT)
105,672- 714-74-24-B	K2E (+N2CMQ)	59,362- 413-71-24-A
WB1WEY 96,986- 683-71-13-B	WB1ZGX 21,114- 153-69-17-A	KA2CDJ (+KA2CVX)
KA1VC 92,056- 622-74-24-B	K1DS 42,884- 302-71-10-A	11,610- 129-45- 9-A
K1WV 84,840- 606-70-16-B	W1RQF 41,580- 330-63-11-A	WB3CM 105,846- 767-69-22-B
K1MV 73,640- 526-67-15-B	WB1AWS 360- 20- 9- 4-A	W3ICM 103,896- 702-74-22-B
WB1WNR 71,428- 511-68-B	WB1TFF (+WA1ZV1)	K3TW 103,392- 718-72-1-A
N1JW 68,870- 485-71-11-A	WB1ZV1 106,726- 731-73-16-A	K3AO 91,316- 617-74-14-B
K1BV 67,452- 462-73-24-B	K2LJH 2100- 42-25- 3-A	WB2X 10,952- 74-74- 8-B
W1VV 65,712- 444-74- 9-B	K2MZ/M 1804- 41-22- 3-A	W3UJ 132,860- 910-73-24-B
K1DD 62,288- 458-68-15-A	K2CMV 1344- 32-21- 2-A	K3Z 145,264- 981-72-19-B
K1KA 139,268- 941-74-21-B	WB2AVM 10,000- 167-58- 6-B	WB2QD 182,736-1269-72-24-B
WB1FVS 194,768-1316-74-24-B	WB2QEA 10,000- 167-58- 6-B	K3Z 145,264- 981-72-19-B
KA1GEY 15,928- 181-44- 7-A	WB2QGE 640- 20-56- 3-A	WB2VS (+KA2DOD, KB2VQA)
K1ZZ 185,148-1251-74-21-B	WA2LQO (K2DOD, KA2DF1, KB2VQA)	58,362- 413-71-24-A
KA1EKY 10,038- 1141-74-21-B	96,200- 650-74-24-B	AD2S (+WA2BOT)
W1AW (W3A2D, opr.)	K2E (+N2CMQ)	59,362- 413-71-24-A
105,672- 714-74-24-B	WB1ZGX 21,114- 153-69-17-A	KA2CDJ (+KA2CVX)
WB1WEY 96,986- 683-71-13-B	K1DS 42,884- 302-71-10-A	11,610- 129-45- 9-A
KA1VC 92,056- 622-74-24-B	W1RQF 41,580- 330-63-11-A	WB3CM 105,846- 767-69-22-B
K1WV 84,840- 606-70-16-B	WB1AWS 360- 20- 9- 4-A	W3ICM 103,896- 70



KA3GSN, low power operator, both modes from Maryland



Larry, WB8WIM (I) and Dan, WB8GUS, at the controls of the WB8GUS multioperator station during the phone SS weekend in Michigan.



Western Pennsylvania's KA3FJM tried a little low-power cw operation in the 1981 SS.

