

# Results, 49th Annual ARRL November Sweepstakes

By Mark J. Wilson,\* AA2Z and Bill Jennings,\*\* K1WJ

It's 1900Z Sunday on Sweepstakes weekend. Across the U.S. and Canada, hundreds of SSers carefully tune the bands. Bodies tense, ears alert, they sweep first 10, then 15, then 20, then 40 looking for those last few rare multipliers. Only a few more hours remain in the contest; just a few more hours to make that Clean Sweep. After all, what's Sweepstakes without a Sweep? There's something magical about working section number 74. Assuming that you work 1000 QSOs, the difference between 73 multipliers and 74 is only 2000 points. Big deal! But for most, the satisfaction of crossing that last multiplier off the check sheet transcends the excitement of increasing the score a few points. When you cross off that last section, you've worked them *all*. Sweepstakes is the only contest in which you can do that — work them *all*. In a DX contest, nobody ever works all the possible multipliers. In a prefix contest, nobody ever works all of the prefixes. But in the SS, working them all is an achievement well within reach of all SS participants, no matter where they live. If you have a rig and a dipole, you can make a Sweep.

It's no wonder that many contesters shoot for the Sweep. For many, the chances of winning a section or division award are slim. Yet working a Sweep is a realistic goal. And it is also an achievement. Of the 1990 official en-

trants in this year's SS, only 207 (10.4%) completed a Sweep on either mode. There were more Sweeps on phone (160 Sweeps out of 1035 entrants) than on code (47 out of 955).

In an effort to help the 1783 of you who didn't make a Sweep plan for next year, we've enclosed a chart showing where and when the 20 ops cleaning up on both modes worked their last three sections. From the logs, this year's four toughest sections appear to have been Mississippi, Western Massachusetts (!), Alberta and Yukon/N.W.T. What were yours? The biggest surprise on the cw weekend was the appearance of Jim, VE8JG, late Sunday afternoon. Starting at 1945Z Sunday, Jim worked 91 of the deserving, although he was "not in the contest."

Okay, so the sections were there. But what about the QSO totals? And what about the scores? On cw, the top-scoring single ops didn't have to do quite as well as last year's to make the Top Ten. K5ZD operated N5AU to first place again this year, but his score is 30 QSOs behind last year's. N4TO operating at NP4A turned in the number two code score, finding only 10 fewer QSOs than Randy. There is a gap of about 7000 points between these two superstars and the number three man, K3LR. The rest of the Top Ten box is filled out with seven scores a scant 5000 points apart. The top scores represent a good cross section of the country. No clear East Coast or West Coast domination this time.

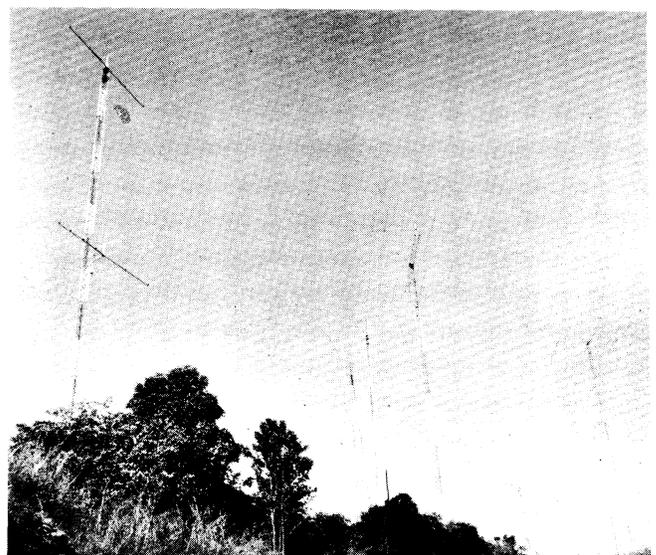
Among the low-power ops, N6IG just edged out W2TZ by the equivalent of a three-QSO margin. Actually, W2TZ's 975-QSO total is significantly higher than N6IG's 937, but 'IG's three additional sections made all the difference in the world. Perennial low-power Top Tenner K4XU finished third, and he was followed by many familiar calls from around the country.

After several tries, the Northern Ohio ARS/Mad River RC crew at WB8JBM finally found all the needed ingredients to take home the cw multiop honors. Their score is significantly higher than second-place N5CG's. Like last year, stations in the Midwest seem to have a handle on the necessary ingredients for a winning multiop effort.

Contact totals were generally down on phone, also, although you wouldn't know it from K1ZM's 2442-QSO total from NP4A. Besides setting the pace for phone single ops, Jeff also set a new all-time phone record (and hence a new Southeastern Division record). Actually, Jeff could have quit at 1930Z Sunday, after only 17 hours of operating, and still won. Among the mere mortals, AA5B put his great New Mexico location to good use for a second-place finish. The rest of the Top Ten phone list looks like a Who's Who from years past.

The phone low-power pack contains scores from all over, led by KØUK from Colorado. Looks like almost anywhere is a good place to give the phone contest a shot barefoot,

\*Assistant Communications Manager, ARRL  
\*\*Communications Assistant, ARRL



NP4A opened his truly impressive superstation to Jeff, K1ZM, for the phone portion. According to Jeff, "After many years of frustration participating from the East Coast in the SS, this one contest goes a long way toward soothing one's soul."

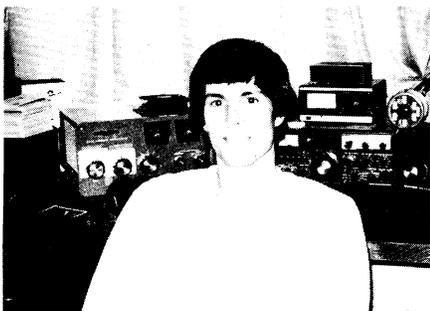
although the fifth call area is apparently a great place to be.

Multiop phone entrants were led by N6BT, who in turn was closely followed by AJ6O. K0WA, last year's winner, placed third. It's interesting to note that, as on cw, the top-scoring multiop would not have made the single-op Top Ten listings. Any ideas on why this is?

Affiliated-club competition is still as intense as ever, with about half of this year's official entrants indicating club affiliation. A trend we've observed during the past few years stands out crystal clear this year — the battleground for the top clubs in the country is migrating to the Medium Category as more and more of the bigger clubs have problems promoting more than 50 entries. This time around, the only club left in the Unlimited Class is the Potomac Valley Radio Club. With 84 entries, they posted a fine 7 million point score. In the Medium Category, the Texas DX Society took top honors with a score well above the others.

How did they do it? A look at the South Texas section on both modes will give you a clue. Teamwork, combined with stations and operators capable of turning in 200K scores on phone and 140K scores on code will do it every time. In the Local Category, an enthusiastic group from the Midwest won the gavel. The Lincoln ARC, voted Most Improved Club in the ARRL DX Contest last year, has proven that they can do the Sweepstakes as well. Our thanks go to all club members who got on to help out their aggregate club score, and in doing so made the SS a little more exciting for everyone.

In closing, we have a couple of administrative notes. Several people have written asking what we want in the way of computer-generated dupe and log sheets. For log sheets, the primary requirement is that they look like the official ARRL log blanks. They should have 50 QSOs per page, and they should contain the same columns of information (in the same order) as the official logs. If you submit something radically different, you run the risk of being classified as a checklog. Dupe sheets may take many forms. The basic idea is to provide us with an alpha-numeric sort of the call signs you worked during the contest. The list must be readable. If the order of the sort is not obvious, you must provide us with a key so we can figure out what you did. In all cases, you should send for the official summary sheet and submit it with your entry. The summary sheet contains all the information we need to proper-



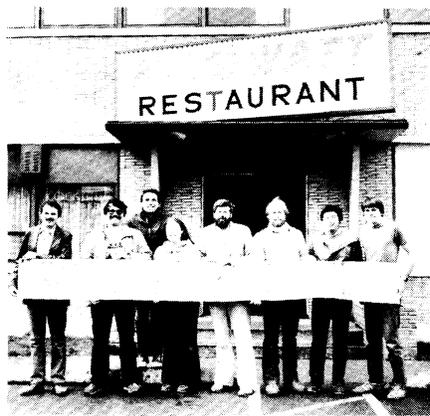
Bruce, AA5B, finished second overall in the phone portion. How did he do it?: "(1) I took down my 40-meter triangle and replaced it with an inverted V at 50 feet. (2) I bought a new mechanical pencil with 0.7-mm leads. (The 0.5-mm leads broke about every five QSOs last year.) (3) I smiled a lot."

ly list your score. If you leave out some vital information, you could end up listed with the checklogs.

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

The other point some clubs seem to miss is that it is not within the spirit of the club-competition rules to manipulate the number of club entries to fall into a lower classification. If 15 of your club members participate in Sweepstakes, we expect to see 15 entries for your club. We do not expect to see only the 10 highest with a note saying you want to enter the Local Category.

That's all for this year. Certificates will be in the mail around May 16. Work on your antennas, plan your strategy, and we'll see you this November.



The faces behind the stations of the RCCC team score (left to right): K7LXC, AG7M, K7SS, KC7RN, K7HBN, K7LR, W7WA, KB7G. (NC5U photo)



Mike, WA6JAH, keyed his way to a first-place finish in the Orange section on code. (KA6TEV photo)



Chuck, KC0DB, played host to the top-scoring lowa multiop. One thing Chuck (and several others as well) noted was that a number of stations with relatively low serial numbers called him several times. He asks that all entrants keep and use dupe sheets.

#### Top Ten Single Op

Phone	Cw		
NP4A (K1ZM)	361,416	N5AU (K5ZD)	179,968
AA5B	287,860	NP4A (N4TO)	178,488
K0RF (W0UA)	278,536	K3LR	171,236
WA7NIN (W6OAT)	274,688	W2YV (N2NT)	169,200
N6BV	273,208	W3LPL	168,720
N6TR	268,768	K7RI (W7WA)	167,462
K7RI (K7SS)	267,732	K0RF (W0UA)	167,388
W7RM (W7WA)	263,144	K3UA	166,944
W0YK	259,000	K5GO	166,352
W5WUMU	256,366	N6RO	164,688

#### Top Ten Low Power

Phone	Cw		
K0UK	185,328	N6IG	136,802
N5RZ	167,024	W2TZ	136,500
K4XS	164,872	K4XU	133,200
KR2N (KQ2M)	155,928	N7CW	131,546
K5IID	151,404	N0NO	131,040
WB5VZL	150,526	K1EA	129,204
N4RJ (K2PO)	148,000	AD7K	128,880
KM5H	137,240	N5JB	127,428
W0LSD	128,908	K0LUZ	126,288
WA2STM	128,880	K0VBU	121,508

#### Top Ten Multiop

Phone	Cw		
N6BT	245,134	WB8JBM	154,944
AJ6O	239,316	N5CG	143,136
K0WA	228,216	KJ9D	141,552
K5CM	227,032	KM9D	139,268
WB8JBM	205,128	AG7M	137,882
N6MG	197,876	W6BIP	130,536
K5RX	196,544	K1LT	125,528
W0SOE	193,584	KM1C	124,040
WASTCL	192,992	N0IN/5	122,544
K5GA	190,180	K0VYV	122,080

### Division Leaders — Phone

Division	High Power	Low Power	Multioperator
Canadian	VE1YX (AA2Z)	VO1QU	K2IQ/VE2
Atlantic	K3UA	KF3V	W2OW
Central	K9RS	W9OBF	KJ9D
Dakota	AKØT	WAØARS	KØVVY
Delta	W5WMU	N5ATW	WA5TCL
Great Lakes	K8ND	WB8MGQ	WB8JBM
Hudson	K2TR	KR2N (KQ2M)†	W2XL
Midwest	K4VX (KRØY)	KVØI	KØWA
New England	K1AR	KA1VC	W1OD
Northwestern	K7RI (K7SS)	KØEJ	AG7M
Pacific	WA7NIN (W6OAT)	K2GMV	N6BT
Roanoke	N8II (K4PQL)	WD4AVY	W4IY
Rocky Mountain	AA5B	KØUK	KB7M
Southeastern	NP4A (K1ZM)†	K4XS	NY4F
Southwestern	N6TR	N6ND	AJ6O
West Gulf	K5RC (K5GN)	N5RZ	K5CM

†new division record

### Division Leaders — Cw

Division	High Power	Low Power	Multioperator
Canadian	VE5XK	VE3ATD	VE3ART
Atlantic	K3LR	W2TZT	K3CR
Central	K9KM	W9NEC	KJ9D
Dakota	AKØT	NØNO	KØVVY
Delta	K5GO	K4XU	KY5M
Great Lakes	WA8YVR	KØBL	WB8JBM
Hudson	W2YV (N2NT)	WA2STM	KC2FV
Midwest	NØGA	KØLUZ	KØDI
New England	K1TO	K1EA	KM1C
Northwestern	K7RI (W7WA)	W7WHO	AG7M
Pacific	N6RO	N6IGT	W6BIP
Roanoke	N8II	KD8G	W4POX
Rocky Mountain	KØRF (WØUA)	ADØO	KCØD
Southeastern	NP4A (N4TO)	K4XS	K4MLR
Southwestern	K6LL	N7CW	K6AA
West Gulf	N5AU (K5ZD)	N5JB	N5CG

†new division record

### Phone

No. 3 Low Power — K4XS — Northern Florida  
Transceiver: TS-930

Antennas: KT34XA Tribander up 100 feet;  
two-element 40-meter quad up 100 feet; inverted V  
on 80 meters up 90 feet

Hour (Z)	No. of QSOs	Multiplier Total	Band Changes	Time Off
21	67	28	20	—
22	74	39	20	—
23	60	49	20-15	—
00	53	59	15-20	—
01	46	65	20	—
02	36	66	20-40-20	—
03	53	67	20	—
04	53	—	20-40	—
05	42	—	40	—
06	42	69	40	—
07	39	70	40	—
08	50	—	40	—
09	38	72	40-80-40	—
10	18	—	40-80-40	30
11	44	—	40	—
12	38	—	40-20	10
13	—	—	—	60
14	40	—	15	05
15	56	—	15-10	—
16	25	—	10-15	25
17	21	—	15-10	30
18	31	—	10-15-20-10	01
19	10	—	10-15	34
20	11	73	15-20	30
21	36	—	10	10
22	35	74	15	—
23	48	—	15-20	—
00	48	—	20	05
01	—	—	—	60
02	—	—	—	60
1114 QSOs		74 multipliers	22 band changes	6:00 time off

### How to Make a Clean Sweep on Both Modes

Only 20 (about 1%) of 1982's SS participants found all 74 sections on both modes. To give those of you who didn't make it some food for thought when planning this year's operating strategy, we've looked through the logs of those who did to try to find out how they did it. The following chart shows the last three multipliers that each of the lucky "Sweepers" worked, and tells where and when he worked them.

Call	Mode	#72 Sect.—UTC—MHz	#73 Sect.—UTC—MHz	SWEEP! Sect.—UTC—MHz
K1CC	cw	WMA—1240—7	VE8—2245—21	VE4—0150—7
	phone	KL7—1936—21	UT—1942—21	VE6—2108—21
W1WEF	cw	VE7—1718—28	VE4—2213—28	VE8—0022—21
	phone	WIN—0140—14	WVA—0212—7	VE6—0806—7
W2RQ	cw	VE6—1709—28	VE1—1747—14	VE8—0016—21
	phone	WMA—0501—3.5	MS—0545—14	VE6—2053—28
K3SA	cw	VE6—2201—14	VE1—2202—14	VE8—0242—14
	phone	DEL—0723—3.5	VE1—1247—14	PAC—2028—28
K3UA	cw	VE4—2141—21	VE8—2339—21	WMA—0222—7
	phone	VE6—1810—28	KL7—2047—21	VE8—2054—21
K2NA/4	cw	VE6—1600—28	VE4—2256—21	VE8—0006—21
	phone	ME—0535—3.5	SC—1215—3.5	VE8—1859—28
N4BP	cw	VE4—2158—21	MS—2337—14	VE8—0026—14
	phone	ORG—1558—28	PAC—1811—28	VE8—2107—28
K5GN	cw	VE1—1852—21	VE4—2306—21	VE8—0214—14
	phone	NM—0515—7	LA—0520—7	VE8—2324—28
K5WA	cw	VE1—1634—28	VE5—1749—28	VE8—2149—21
	phone	SF—2048—28	MS—2305—21	VE6—2359—28
K5ZD	cw	VE1—1501—14	VE6—2205—28	VE8—0024—21
	phone	KY—2243—14	UT—2246—14	VE8—0042—14
KG5U	cw	VE6—1807—28	VE4—2347—21	VE8—2256—21
	phone	WYO—0830—3.5	VE1—1600—21	VE6—2150—28
KM5R	cw	VT—1922—21	VE8—2346—21	MS—0057—7
	phone	PAC—2356—28	VE6—2358—28	VE8—0004—21
KZ5M	cw	MS—1405—14	VE8—2027—21	VE6—2229—28
	phone	ALA—0654—7	SC—1550—21	VE8—2319—21
N5DU	cw	VE6—2214—28	VE4—2242—28	VE8—0117—21
	phone	PAC—1915—28	VE6—2026—28	KL7—2120—21
N5JB	cw	NE—2006—14	VE8—2051—21	VE4—2354—21
	phone	NS—0622—3.5	NM—0630—3.5	WYO—1432—14
W5JW	cw	VE6—2056—28	VE8—2323—14	KL7—2330—14
	phone	UT—2340—14	OK—0018—14	WYO—0041—14
W5WMU	cw	VE6—1740—28	WMA—2122—28	MS—0015—3.5
	phone	WYO—0606—7	WIN—0745—7	MS—1435—21
KØVBU	cw	VE4—2120—21	VE6—2200—28	VE8—0258—14
	phone	MS—2307—21	PAC—2334—21	SC—2337—14
KRØY	cw	VE6—1629—28	VE4—2215—21	VE8—2308—21
	phone	SV—0310—14	VE7—0524—7	PAC—0715—7
WØUA	cw	VE4—2233—28	VE8—2353—14	VE8—0231—7
	phone	PAC—0749—7	VE8—1900—28	VE5—2006—28

### Cw

No. 1 Low Power — N6IG — East Bay  
Receiver: R4C Transmitter: T4XC

Antennas: KT34XA Tribander up 75 feet;  
inverted Vs on 80 and 40 meters

Hour (Z)	No. of QSOs	Multiplier Total	Band Changes	Time Off
21	72	34	10	—
22	71	43	10	—
23	61	52	10-15	—
00	66	54	15	—
01	62	58	15	—
02	51	61	15-20	—
03	39	—	20	10
04	22	63	20-40	20
05	34	69	20-80-40-80	—
06	36	—	80-40	—
07	34	—	40-80-40	—
08	17	71	40-80	25
09	22	—	40-80-40	05
10	04	—	40	50
11	—	—	—	60
12	—	—	—	60
13	09	—	20	40
14	29	—	20	—
15	33	—	20	—
16	35	72	15	—
17	31	—	15-10-15	—
18	20	—	15-10	20
19	24	—	10-20-15	10
20	26	—	15-10-15	—
21	19	73	15-10	—
22	21	—	10-15	10
23	25	—	15	20
00	34	—	15	—
01	13	—	15	30
02	27	—	20-40	—
937 QSOs		73 multipliers	27 band changes	6:00 time off

## Affiliated Club Competition

Unlimited Category	Score	Entries	Phone Winner	Cw Winner
Potomac Valley Radio Club	7,117,348	84	W3LPL	W3LPL

### Medium Category

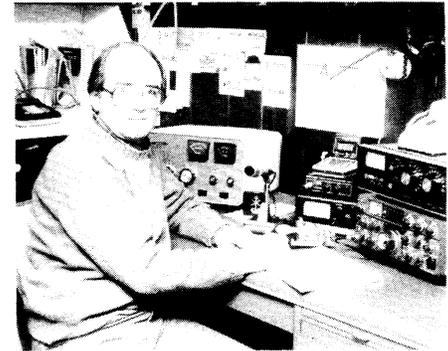
Texas DX Society	6,013,316	49	K5RC	N5JJ
Yankee Clipper Contest Club	3,918,312	41	K2TR	W2YV
Northern California Contest Club	3,700,132	32	WA7NIN	N6RO
North Texas Contest Club	3,520,262	39	K5QY	N5AU
Mad River RC	3,338,969	28	K8ND	K3LR
Murphy's Marauders	2,912,676	32	W1WEF	K1TO
Rubber Circle Contest Club	1,876,754	11	K7RI	K7RI
Ill Wind Contesters	1,440,070	19	K9RS	K9KM
Murgas ARC	1,234,420	33	WB3FAA	N3CXB
Southern California Contest Club	1,084,056	11	N6TR	W8UE
Radio Club of Tacoma	1,011,204	32	AJ7Y	KG7V
South Jersey Radio Assn.	863,860	30	K2AA	W2LYL
Eastern Iowa DC Assn.	852,686	11	K0LUZ	N0GA
Northern Ohio ARS	817,492	16	N8DEQ	K8CV
Schenectady ARA	793,028	15	KB2T	KB2T
Colorado Contest Conspiracy	661,526	4	—	—
Frankford RC	557,278	8	—	W2GD
Eastern Michigan ARC	548,236	15	K8JLB	K8DD
Fort Wayne RC	534,496	10	KB9MO	W9LT
Gloucester County ARC	503,438	10	WA2OOS	N2BCF
Reading Radio Club	465,284	17	WA3SPJ	K3WGR
Foothills ARS	424,068	14	K6MA	N6AUV
Utica ARC — DX Corps	335,380	9	KJ2Q	—
Central Michigan ARC	332,808	13	WA8QCW	W8VPC
Rockford ARA	328,856	12	K9GH	K9LJN
West Park Radiops	231,178	9	KC8F	W8IDM
Boeing Employees ARS	196,750	13	WB7DNS	WB7WUM
Lower Yellowstone ARC	195,222	4	—	—
Grumman ARC	132,294	11	WB2FMP	K2QAI

### Local Category

Lincoln ARC	957,238	9	K0SCM	—
Kansas City DX Club	829,590	9	KU0G	KB0G
Overlook Mountain ARC	806,550	9	WA2STM	K5NA
River City Contesters	804,532	9	KV6H	K6SG
New Mexico Big River Contesters	731,812	5	—	A45B
Point Radio Operators Society	644,112	5	—	K3UA
Western ARA	583,312	6	—	—
Western Washington DX Club	564,684	8	N7TT	K7WA
University of California ARC	536,762	4	—	—
Central Arizona DX Assn.	513,018	5	—	K7OX
Central Florida DX Assn.	503,000	5	—	N4WW
Willamette Valley DX Club	437,530	4	—	—
Wichita ARC	437,340	7	N0DEE	KF0M
Binghamton ARA	417,794	7	WB2QPR	—
ARINC ARC	396,978	6	KD4VU	W3HVQ
Twin City DX Assn.	393,860	5	—	N0NO
Rochester (NY) DX Assn.	380,094	8	KB2SE	W2TZ
Eastern Connecticut ARA	367,172	7	K1YRP	K1YRP
Ventura County ARC	349,452	9	WA6DJS	—
Fox River Radio League	343,620	5	K9LUW	—
North Florida ARS	339,832	7	NO4J	N4UF
Arrowhead Radio Amateurs Club	336,746	3	—	—
Amateur Radio Transmitting Soc. (KY)	335,108	3	—	—
Flyweight DX Group	313,422	4	—	—
Grand Mesa Contesters	304,131	3	—	—
Larkfield ARC	301,500	5	KK2E	—
Northrop Radio Club	294,718	7	W6CN	—
Saginaw Valley ARA	290,170	7	—	K08M
Ohio Valley ARA	262,428	5	—	W8RSW
United Radio Amateur Club	246,510	3	—	—
Valley Radio Club of Eugene	241,946	5	A17W	—
Central Virginia Contest Club	224,360	3	—	—
Savler County ARC	224,138	5	WB4SFX	—
Mississippi Valley DX and Contest Club	218,390	3	—	—
Southeastern DX Club	214,742	3	—	—
Splitrock ARA	214,124	6	K2RF	K2RF
Lynchburg ARC	213,722	7	WD4ELJ	—
Connecticut Wireless Assn.	212,057	3	—	—
Rappahannock Valley RC	207,866	10	WA4EMU	KA4RLJ
Long Island Mobile ARC	203,086	5	KS2G	—
Utah ARC	195,174	3	—	—
Wireless Institute of the Northeast	186,008	3	—	—
Valley ARA (VA)	173,416	3	—	—
Providence Radio Assn.	178,136	5	KA1AWS	—
Rip Van Winkle ARS	162,026	4	—	—
Nashua Area RC	154,046	4	KE1E	—
Codex Ch. of Motorola ARC	134,726	3	—	—
Genesee Radio Amateurs	127,624	5	WB2ODH	—
Columbus ARA	121,848	6	N6LM	—
Cocoonino County ARC	121,152	3	—	—
West Allis Radio Amateur Club	113,050	4	—	—
Wisconsin Valley Radio Assn.	111,468	4	—	—
L'Anse Creuse RC	97,164	9	W9NA	—
Davenport Radio Amateur Club	95,976	5	WA8QAF	WA8VB
Ozarks ARS	93,220	5	K9AYK	—
Everglades ARC	90,108	3	—	WD0ARX
Motor City RC	78,900	3	—	—
Lockport ARA	77,844	4	—	—
Big Island ARC	72,696	3	—	—
Tri City ARC	63,548	5	KA1YE	—
Rowan ARS	58,114	7	N4UH	—
Tulare County ARC	44,034	3	—	—
Megahertz Manor Maniacs	41,860	3	—	W0YBV
IBM Owego RC	38,996	4	—	—
Clover Leaf Farms ARC	35,148	3	W4ILE	—
Brooklyn Tech. High School ARS	32,042	3	—	—
Lake Success RC	30,066	5	WA2DZD	—
Palo Alto ARA	16,488	5	WA6SLF	—
Kettle Moraine Radio Amateurs	9136	3	—	—



N6HE (operating) and K5TTE participated along with three other ops in the cw multiop effort from K6AA in the Los Angeles section.



KA1YS from the Connecticut section handed out a few points during the phone portion.

## SOAPBOX

If any Extra terrestrials had passed by our solar system in late November and had tuned across the amateur bands, they might have concluded that everyone was frantically trying to phone home at once! . . . or else reported that a planet with no intelligent life had somehow discovered radio! . . . Definition of Sweepstakes: A North American rf orgy! (WD5GSL/WB0TEV). This was my 25th consecutive cw SS. Can I consider myself a veteran? (K2AU). Would you believe four (count 'em) four VE8/Y1s? (K5IID). Listening to the contesters versus the non-contesters debate on who owns the frequency makes me wonder if some Amateur Radio operators shouldn't be called Immature Radio operators (KS0E). Had a great time. Hadn't been in the SS for 19 years. Won as a Novice in the SCV section 19 years ago. Looking forward to next year (WB6OEB). When the incandescent lights in the bedrooms lit brightly on voice peaks, I knew that Murphy had arrived (N3JT). How about for the 50th SS make it a once worked *per band*? What an exciting marathon that would be. Much more so than the Sunday afternoon SS blues that most of us are familiar with at present (KW8N/WB8JBM). Doubled my score this year. After chasing the chickens off the antenna and getting the XYL to take the second harmonic out of the shack, I was able to devote two more hours of operating time to this year's bash (WA6GFR). I had a fun time . . . But I wish that the fellas would stop calling me "OM" (KA6V). [Roger that comment, OM — Ed.] It figures: This year I work North Dakota right off the bat, but I don't have much time to operate (KB3XB). After I had been on one frequency for almost a solid hour (on 20 meters, of course), the QRM started moving in . . . One guy told me to get off *his* frequency. After I told him that I had been there for the past hour with no problem, he said that he had been using the frequency since 1958. What the hell could I say? After I picked myself up off the floor, I changed frequency (KF3V). While getting up on my soapbox, I slipped and cracked my shin ((#%&\*!). The thing that bothered me the most while operating in the phone portion of the contest were the fellows who, in their rush to turn in a big score, talked so fast that they could not be understood. One

## Antennas Used By Top-Scoring Stations

### Phone — High Power

Call	Antennas
NP4A	"Beams all bands"
AA5B	80-m & 40-m inv. V (50'); KT34XA (60')
KØRF	"Big ones/Little ones"
WA7NIN	"Beams"
N6BV	80-m dipole; 40-m 3-el beam; 20/15/10 5-el beams
N6TR	80-m 4-el vertical array; 40-m 4-el beam; 20/15/10 7-el beams
K7RI	80-m slopers; 40-m 4-el beam; 20/15/10 pair of KT34XAs
W7RM	80-m bisquare & dipole; 40-m 3-el Yagis & lazy H; 20-m 4-el quad & 3 over 3 Yagis; 15-m 4-el quad & 6 over 6 Yagis; 10-m 7-el quagi & 4 over 4 Yagis
WØYK	80-m dipole (115'); 40-m 2-el beam (90'); 20-m 5-el beam (118'); 15-m 4-el beam (118'); 10-m 7-el beam (128'); KT34XA (40')
W5WMM	"Multibanders"

### Phone — Low Power

Call	Antennas
KØUK	80-m dipole; 40-m 2-el beam & dipole; 20-m 4-el beam; 15-m 4 over 4 beams; 10-m 5 over 5 beams; TH6DX
N5RZ	80-m Delta loop (85'); 40-m inv. V (90') & Delta loop (40'); 20/15/10 KT34XA (90') & CL33 (45')
K4XS	80-m inv. V (90'); 40-m 2-el quad (100'); 20/15/10 KT34XA (100')
KR2N	80-m wire beams (120'); 40-m 3-el beam (70'); 20-m 4 over 4 beams (120'/60'); 15-m 5 over 5 over 5 beams (130/85/50'); 10-m 5 over 5 beams (90/75')
N4RJ	80-m dipole; 40-m 3-el beam; 20-m 4 over 4 beams; 15-m/10-m 5 over 5 beams
K5ID	80-m dipole; 40-m Delta loop; 20/15/10 2-el quad
W6SVZL	80-m & 40-m dipoles (30'); 20/15/10 2-el quad (40')
KM5H	80-m sloper; 40-m 2-el beam; 20/15/10 KT-34XA
W6LSD	80-m & 40-m V beams; "Beams"
WA2STM	80-m, 40-m & 20-m dipoles; 15-m/10-m 4-el Yagis

### Cw — High Power

Call	Antennas
N5AU	"Lots"
NP4A	40-m 3-el beam; 20-m 5-el beam; 15-m/10-m 6-el beams
K3LR	80-m dipole (75'); 40-m dipole (35') & 4-el beam (75'); 20-m 5-el & 3-el beams (80/60'); 15-m 6-el, 4-el & 3-el beams (90/45/57'); 10-m 7-el & 6-el beams (80/40')
W2YV	80-m dipole; 40-m 2-el beam; 20-m 4-el beam; 15-m 5-el beam; 10-m 6-el beam
W3LPL	80-m dipole; 40-m 3-el beam; 20-m 4-el, 6-el & 8-el beams; 15-m 6-el beam; 10-m 6-el & 4-el beams
K7RI	80-m sloper; 40-m 4-el beam; 20/15/10 pair of KT-34XAs
KØRF	"Large and high/small and low"
K3UA	80-m dipole (30'); 40-m inv. V (35'); 20/15/10 TH6
K5GO	"Various beams, wires"
N6RO	80-m 2-el quad; 40-m 4-el beam; 20-m 5 over 5 beams; 15-m 6 over 6 over 6 beams; 10-m 6 over 5 over 5 beams

### Cw — Low Power

Call	Antennas
N6IG	80-m & 40-m inv. V; 20/15/10 KT34XA (75')
W2TZ	80-m dipole; 40-m rotary dipole; 20/15/10 KT34XA
K4XU	80-m & 40-m dipole, vertical, loop; 20/15/10 TH6
N7CW	80-m & 40-m Delta loops; 20/15/10 TH6DX (70')
N6NO	4BTU vertical; 40-m 4-el (105'); 20-m 6-el (90'); 15-m 6-el (75'); 10-m 6-el beam (60'); CL-36 (60')
K1EA	80-m & 40-m dipoles; 20/15/10 Yagis (130')
AD7K	80-m inv. V (48'); 40-m inv. V (30'); 20/15/10 KT34A (52')
N5JB	80-m inv. V; 40/20/15/10 4-el beams
KØLUZ	80-m sloper; 40-m coaxial dipole; 20/15/10 TH6DX (43')
KØVBU	80-m inv. V; 4BTU vertical; 20/15/10 TH6DX

operator sounded like a popcorn machine, and I never did copy his call (KC8YR). 20 over QRM, no sleep, pandemonium — What more could you ask for? Why, SS weekend, of course (A17W). Here's a new twist to the old Superman jingle that just may fit some of our top testers in this event: Faster than a speeding radiowave, stronger than a 2-kW amp, able to make more contacts in an hour than the local village gossip . . . look, it's a bird . . . it's a plane . . . no, it's supercontester (K1VUT). Another great SS! The venerable "bug" still sounds great from W4KFC, W3GRF, W3GN and a very few others. Programmable keyers abound, but give me my bug! (W4YE). The following is something that my multiop partner wrote while I was working Hawaii for a new section: But soft, what code through yonder speaker crackles? It is 10 meters, and the QTH is Hawaii! Hear me, O Hawaii, and give me a multiplier. It calls! But not to me, I fear. Two of the most powerful stations in all Texas, having high antennas, doth entreat this contact. What if we were to exchange places? The strength of my signal would shame those toads as daylight doth a lamp. My signal would through the airy regions stream so fast, that others would tremble lest they collapse. See how they score 1200 QSOs. Oh how I wish that I could too, so that I might win! (KA2IPV/KC2FV). Who says that a 40-meter dipole can't be used successfully on five bands without an antenna tuner? . . . well, maybe my score does (K3QM). I lost all will to continue when one station said he couldn't work me because my call would not fit into his computer due to a glitch in the program (KX4V). My first year in the SS since going off the air for WW II (W9UIX). I was in class B/A because my linear committed suicide 30 minutes into the SS (W8CAR). As always, a very good contest. Succeeded in making my first "clean sweep," but just barely! I was on the verge of admitting defeat once again with only 73 sections when I stumbled across VE8JG with only 9 minutes left (AE4Y). With the blessings of the Deer Lakes High School Volleyball Team, I had to do better this year (KA3BMU). Do any Corn Huskers work Corn Whiskey? My second year in a row to miss Nebraska (VE3GF). Five members of our local club (Utica ARC) pulled apart our stations, antennas and camping gear, and went on a mini DXpedition to the Province of Quebec. It seems that in the past the QUE Section was always a rare one, and we thought that we might help out the cause a little bit (K2IQ/VE2/KK2B).

## FEEDBACK

Please refer to May 1982 QST, page 71, for the following corrections to the results of the 1981 ARRL November Sweepstakes contest. On cw, the third-highest scorer in Eastern New York, W2XL, was using high power, not low power. In Colorado, top multiop KCØD's operator list should include WAØUJO, not WAØUJD. On phone, please add W7GXC 50, 864-374-68-14-A to the Utah section.

## Scores

Cw scores are listed first, followed by phone. Within each call area, scores are listed by ARRL section. Within each section, single operator scores are listed first in descending numerical order, followed by multioperator scores. Each line score lists call sign, final score, number of QSOs, number of sections worked, hours operated and input power used (A = less than 200 W, B = more than 200 W). Example: In Connecticut, KITO worked 1060 stations in 74 sections for a final score of 156,880 points. He operated 24 hours and used more than 200 W.

Call	Score	QSOs	Sections	Hours	Power
CW					
WIBIH	88,608	624	71	12	B
K1ID	67,048	493	58	26	A
KC1D	63,130	501	65	18	B
N1CC	48,106	359	67	9	A
K1DM	41,472	324	64	17	A
WA1FCN	36,040	265	68	24	A
W1VV	32,736	264	62	7	B
N1BCA	30,324	266	57	14	A
KAIVC	29,590	269	55	13	B
W1PWR	27,864	258	54	12	B
KMIC	22,920	191	60	14	A
KJ1V	19,952	172	58	11	A
WA2SVR	17,052	174	49	18	A
KB1H	16,638	177	47	6	A
WA1HYN	13,250	125	53	6	A
AB1U	7728	69	56	4	A
K1BY	7632	106	36	3	B
WBØFMB/1	4692	69	34	10	A
KIKI	3484	67	26	1	A
KAIYE	1200	30	20	3	A
K1EA	129,204	873	74	24	A
K1XH	118,990	815	73	24	A
W1MX (ADIC, opr)	102,816	714	72	22	A
K1AR	100,886	691	73	12	B
K1VUT	99,116	698	71	24	A
W1FM	91,164	642	71	21	A
KC1V	78,526	553	71	23	A
W1AX	57,600	400	72	11	B
WA1OSJ	56,146	419	67	21	A
WB1CNM	56,030	431	65	19	B
W1RND	54,730	421	65	13	A
WA2TBA	52,542	417	63	19	A
KA1CIV	48,008	353	68	23	A
K1UCA	40,032	278	72	24	B
K1PAD	38,232	354	54	8	A
KE1U	37,922	283	67	8	A
K1VR	33,330	303	55	7	B
W1IHN	26,510	241	55	6	B
WAØAXH/1	24,544	208	59	11	A
W1TUM	24,012	207	58	15	A
N1AU	20,976	184	57	14	A
KA1EMQ	20,748	182	57	21	A
KA1GHR	20,414	173	59	17	A
NIASF	17,440	165	53	9	A
W1SR	17,050	155	55	5	A
N1RC	10,904	116	47	4	A
WIAF (KS6X, opr)	9600	100	48	4	A
W1PLJ	8976	102	44	11	B
WA1EOT	6440	115	28	3	A
K1BZJ	6240	80	39	5	A
KB1DF	220	11	10	4	A
W1PH	120,240	835	72	23	A
W1JY	28,380	258	55	12	A
N1BEY	14,490	105	69	12	A
K1CW	8316	99	42	4	A
N1CJH/N	720	20	18	3	A
KMIC (+KBIT)	124,040	886	70	24	B
N1NH (+K1OSM, K11M, W1TN)	70,242	509	69	24	A
K11R (+KALCJ1)	25,896	249	52	14	A
W1KX	56,994	413	69	11	A
WB1GLH	51,740	398	65	20	A
W1HHW	42,210	315	67	11	A
K1JB	40,920	310	66	10	B
WA1YXL	37,674	299	63	17	A
K1SA	7176	92	39	2	A
W1YA (KAI's DJJ, COO, JMF, NIATN, oprs)	15,264	159	48	24	A
W1CWF	71,820	513	70	17	B
K1MKO	53,584	394	68	17	A
W1RFQ	22,940	185	62	7	A
W1JHW	216	12	9	6	A
W1OP (KAIAWS, N1s, AKO, BMM oprs)	48,236	389	62	16	B
WB1FDY (+KAIUDV)	23,640	197	60	14	A
K1JYM (+KAIQO)	8730	97	45	15	A

Vermont  
WB1GQR (WB2JJS,opr) 114,048-792-72-24  
K11K 102,524-722-71-20  
W1KQ 40,138-329-61-14  
N1QY 39,786-349-57-14  
WA1GUV 31,124-251-62-16

Western Massachusetts  
KB1W 90,984-669-68-16  
W1PUO (WA1FCD,opr) 10,416-124-42-11  
K11JU 10,610-85-33-4  
W1YU (WB1SDS,WA2YH2,opr) 14,580-162-45-14

2

Eastern New York  
W2YV (W2NT,opr) 169,200-1175-72-24  
K5NA 127,896-876-73-24  
W2XL 121,764-834-73-24  
W2AZO 118,860-849-70-23  
WA2STM 111,612-786-71-24  
KB2T (AG2X,opr) 99,542-701-71-24  
W2ARQ 77,472-538-72-24  
K2UF 69,580-490-71-19  
K2HA 66,792-484-69-23  
WA2OCA 54,924-398-69-24  
W2DW 44,298-321-69-9  
W2LJ 43,284-311-69-9  
AA2ZY 32,450-275-59-12  
N2AZS 31,620-255-62-9  
K2JR 19,276-158-61-19  
WB2KMY 19,488-174-56-7  
W2NRD 17,484-141-62-15  
K2AE (W2ODC,opr) 10,584-126-42-4  
W2PKY 5418-63-43-4  
K2AQD 1296-36-18-19  
KW2D (+K2CK,WA2VM) 40,434-293-69-16  
K2GBH (+WA2KCL,WA3VN) 39,766-337-59-7

New York City L. I.  
KQ2M 128,084-902-71-22  
K2AU 120,028-811-74-24  
KR2N (N1EE,opr) 109,624-772-71-24  
K2KE 86,800-620-70-14  
K2SX 86,800-620-70-14  
K2AEV 74,900-535-70-14  
W2LPA 64,308-466-69-23  
W2CKZ 43,792-322-68-12  
WBZEG 38,564-311-62-9  
W2DP 22,204-182-61-2  
K2HW 18,146-146-72-24  
K2QAI 12,288-128-48-6  
K2CDH 10,600-106-50-15  
WB2CBA 6840-90-38-10  
W2ZCE 4950-99-25-10  
W2TCR 1564-66-27-8  
W2BAR 3286-53-31-16  
K2HW 18,146-146-72-24  
WA2NFS 2842-49-29-8  
W2AYJ 2754-51-27-2  
K2DOD 800-25-16-16  
W2CZZ 760-20-19-1  
W2RQ 240-15-8-3  
W2CKN (+W2ZN) 3168-76-34-9

Northern New Jersey  
W2RQ 158,656-1072-74-24  
W2VJH (W2ZKY,opr) 139,248-967-72-24  
W2SHM 96,320-688-70-22  
W2DWY 89,760-660-68-23  
WB2FUE 77,556-562-69-24  
W2CS 61,410-445-69-18  
KW4E/2 53,682-389-69-16  
WA2JAX 45,016-331-68-23  
K2RF 30,132-243-62-8  
W2KMW 30,080-235-64-11  
W2NN 29,680-280-53-7  
WA2ASQ 28,116-213-66-22  
K1ZQ 27,720-231-60-10  
K1ZD 16,854-159-53-8  
WA3FVN 15,680-160-49-8  
W2BYX 15,386-157-49-14  
KT2B 15,030-167-45-7  
W2TI 13,248-138-48-5  
WA2DUT 11,616-132-44-5  
W2JEK 972-27-18-3  
K2FV (+KA21DV,WA2SSH) 119,560-854-70-24

Southern New Jersey  
W2GD 161,172-1089-74-24  
W2BCF 63,960-533-60-23  
W21YL 53,312-392-68-15  
K2AA (W2KOK,opr) 52,390-403-65-20  
K2OSV 46,200-350-66-20  
KS2V 43,164-327-66-12  
W2BK 41,724-366-57-21  
W2PAU 34,524-254-68-8  
W2UWB 23,940-210-51-16  
K2BEW 23,718-201-59-10  
W2FCY 21,452-173-62-19  
K2YJ 19,200-200-48-24  
W2BLV 17,446-143-61-14  
W2RF 16,562-169-49-7

K2KA 12,240-102-60-8  
K2ZNVU 11,520-120-48-18  
K2MZ 8670-85-51-18  
W2DJF 4092-66-31-6  
W2HR 3036-66-23-2  
K2KFO 18-3-3-5  
W2YC (+K2HPV,N2CQ) 85,820-613-70-22  
N2CQ (+WA2NPD,WB2GS) 36,478-299-61-20

Western New York

W2TZ 136,500-975-70-24  
W2VU/2 98,496-684-72-23  
W2ROE/2 77,384-569-68-22  
WA2DHS 73,584-504-73-20  
KQ2K 65,660-490-67-21  
WA2EYA 38,940-295-66-14  
KA2MRP 33,634-251-67-18  
K2UJ 30,680-260-59-8  
AE2T 29,160-270-54-8  
WB2YQH 28,000-200-70-12  
WB2FQE 26,660-215-62-18  
W2ALEZ 21,594-183-59-7  
K2ZB 20,048-179-56-10  
K2CWN 13,552-121-56-4  
KA2HRS 12,000-120-50-17  
KA2ARK 9810-109-45-16  
N2CU 9108-99-46-5  
KA2IGH 6216-84-37-10  
K2UAN 4108-79-26-6  
KA2PAS 2240-40-28-14  
KA2EGC 1584-36-22-8  
K2AFQE 1320-30-22-8  
K2QR 768-24-16-1  
K2VY 864-24-18-1  
W2OW (K12P,N2A,AEY,HR,opr) 94,430-665-71-23  
KW2J (+W2IMO) 65,660-469-70-24  
K2CQ (+KB2VS) 31,496-254-62-24

Delaware

K3HBP 46,860-330-71-12  
N8NA/3 13,056-136-48-3

Eastern Pennsylvania

N3AD 134,828-911-74-24  
K3CM 107,018-733-73-24  
K3JM 73,220-523-70-18  
K3WR 71,260-509-70-19  
W3CNS 64,998-471-69-16  
W3FAF 59,754-433-69-11  
WA3JLD 58,236-422-69-16  
K3DPT 53,724-407-66-19  
K3VYA 43,608-316-69-18  
WA3MVP 43,310-355-61-13  
N3CXB 36,722-301-61-18  
K3EGE 34,170-255-67-9  
WB3CAC 31,460-286-55-10  
N3KR 30,552-268-57-11  
N3ARK 28,768-248-58-7  
K3DH 28,608-298-48-13  
WA3YON 26,840-220-61-15  
W3ADE 26,334-209-63-10  
K3JJK 20,886-177-59-8  
W3WJC 13,328-136-49-12  
W3CEI 19,656-182-54-9  
WA3JWX 14,300-143-50-24  
K3DCL 12,852-126-51-12  
K3CPI 12,600-126-50-9  
K3CB 11,466-117-49-12  
WA3SPJ 9520-119-40-8  
WB3FYT 9200-100-46-13  
K3NL 8988-107-42-4  
W3DZH 8272-88-47-16  
N3AR 7956-102-39-11  
KA3GAN 7220-95-38-5  
W3JWP 4350-75-29-7  
K3JYL 4144-56-37-7  
KA3JFB 3000-50-30-11  
KA3DLY 1804-41-22-5  
AD3L 1426-31-23-1  
K3ALE 1360-34-20-23  
K3BYV 1218-29-21-19  
N3DCC 704-22-16-17  
WA3LGG 160-10-8-3  
WB3FAA (+WB3CA1) 92,016-648-71-24  
W3GM 10,952-74-74-17

Maryland D.C.

W3LPL 168,720-1140-74-24  
K3R 142,376-96-74-24  
W2PB 141,766-971-73-24  
N3AM 136,656-949-72-23  
W3QHF (W4AXM,opr) 134,900-950-71-23  
K3KU 130,176-904-72-24  
K3ZZ 128,240-916-70-24  
K3TH 127,166-871-73-24  
K3TH 108,330-785-69-23  
K3DI 103,460-739-70-21  
K3ZO 101,664-706-72-17  
W3UW 100,536-708-71-24  
K3CH 92,726-653-71-21  
K3H 88,808-653-68-17  
W3GRF 83,780-590-71-24  
W3C 80,372-566-71-24  
W31CH 78,100-550-71-21  
K3AO 74,608-524-71-24  
K3CQ 65,660-469-70-11  
W3AZ 64,540-461-70-18  
W3HVQ 63,888-484-66-17  
K3DU 60,060-429-70-21

W3FA 59,532-451-66-15  
W3GN 58,788-426-69-12  
K2ITC 48,608-392-62-20  
W3WV 39,600-300-66-13  
WA3VPL 34,902-277-63-13  
N3CB 33,264-264-63-8  
W3DPT 32,208-264-61-22  
N3AE/3 31,860-270-59-11  
K3MCO 29,760-248-60-9  
K2PLP/3 26,696-284-47-9  
K3CN 18,564-182-51-11  
W3EE 18,032-161-56-7  
N3CW 12,480-120-52-2  
W3JRU 10,810-115-47-24  
W3PCR 7442-61-61-14  
K3SO 6840-95-36-10  
K3CZ 6132-73-42-7  
K3KX 4620-66-35-6  
K4CCY 1776-37-24-7  
W3FZV 1320-44-15-2

Western Pennsylvania

K3LR 171,236-1157-74-24  
K3UA 166,944-1128-74-24  
K3VK 99,120-708-70-21  
K3CV 75,576-564-67-24  
WA3MDY 73,440-540-68-23  
K3RBU 70,848-521-68-22  
W3CNR 58,080-440-66-20  
AC3H 56,000-400-70-19  
K3MC 53,060-379-70-21  
W3HDH 44,020-310-71-8  
WA3FYJ 13,200-150-44-3  
K3CR (K3PD,K13C,W3RKK,opr) 104,932-09-74-23  
N2MA/3 (+W3YA) 87,856-646-68-24

Alabama

N4KC (N4OB,opr) 112,840-806-70-22  
KAATSG 68,120-524-65-18  
K4IQJ 43,014-321-67-11  
N4S 12,528-116-54-24  
WB1M 6600-100-33-4  
K4MLR (+K4CZV) 86,940-621-70-23

Georgia

K4BAI 140,160-960-73-24  
K4K 98,992-618-72-21  
K4BAM 79,056-549-72-23  
K3PI/4 69,680-536-65-21  
WB4UT 67,402-503-67-20  
N4HRJ 59,892-434-69-22  
K4IY 13,970-127-55-6

Kentucky

K1AO 132,422-907-73-24  
N4XM 106,416-739-72-24  
WB4POT 92,726-653-71-24  
K4FU 71,016-516-72-19  
W4OYI 71,974-197-71-24  
W4OM 16,464-147-56-5  
K24C 9400-100-47-4  
N4DUH (+KA4TAY, K4AU, K4KQ, N4S FTI, TV, NF4R) 83,860-599-70-24

North Carolina

W4AA 107,712-748-72-19  
K4JEX 58,240-448-65-11  
W1FTX/4 11,904-96-62-8  
K4W 4224-64-33-2  
W4BFB (N4DN,WB5YMS,opr) 56,440-415-68-24

Northern Florida

N4WV (N4XN,opr) 139,104-966-72-24  
W4SA 137,030-965-71-22  
K4XS 118,944-826-72-24  
W4G 82,416-606-68-20  
W4UF 51,030-405-63-11  
W4VQ 38,090-293-65-6  
W4ILE 23,880-199-60-13  
W4FNV 9900-110-45-10  
W4RHM 3584-64-28-6  
W4RMI 2880-40-36-5  
KA4GLL 1368-36-19-9  
KA4ZKD 736-23-16-13  
KF4G (+KF4HA) 33,020-254-65-23

South Carolina

AE4Y 107,448-726-74-22  
N4WL 40,040-364-55-15  
K4ADI 33,000-250-66-13  
N4EE 19,992-204-49-15  
KA4YUZ 13,340-145-46-13

Southern Florida

N4BP 150,220-1015-74-24  
W4ABZ 75,744-526-72-24  
K4KE 59,898-447-67-22  
K4XB 59,664-452-66-21  
N4KB 31,872-249-64-8

KD4XN (KB4CDH,W4FZH,opr) 35,264-304-58-18  
KA4BVJ (+WA4DKI,W4MNSA) 20,130-183-55-12

Tennessee

N4ZZ 157,472-1064-74-24  
K4XU 133,200-900-74-24  
N4RC 102,440-790-68-16  
N1AM 103,952-712-73-22  
WB6EC/4 59,268-449-66-18  
K4OAG 55,250-425-65-12  
WB4MUZ 45,408-344-66-18  
K4DPP 2800-50-28-3  
K4XO 1920-40-24-1  
WA4UCE (KA4MGG,N4Y,NS4M,NS4X,WA01E,opr) 49,536-387-64-15

Virginia

K4PQL 138,700-950-73-24  
K4CC (K7SV,opr) 136,510-935-73-24  
K2NA 125,356-847-74-24  
W4YE 106,128-737-72-18  
N4EA 103,248-717-72-19  
W4KFC 101,530-715-71-16  
W4UQ 96,702-681-71-20  
K4JST 81,300-685-70-5  
W4XD 81,340-581-70-17  
K5OCU/4 81,056-596-68-23  
K4YF 74,976-627-11-11  
N4DW 72,940-521-70-15  
W4CB 70,980-507-70-24  
K4KJ 65,416-481-68-21  
N3OS 62,016-456-68-19  
K4TM 61,440-323-15-1  
W4K 58,740-445-66-10  
K4OD 57,822-419-69-16  
K4FPF 57,456-417-69-20  
K4V 56,580-410-69-12  
N4MO 53,820-390-69-20  
K4GS (W4HYA,opr) 41,992-362-58-8  
KBEI 39,438-313-63-10  
N4TU 38,704-328-59-8  
WA4MTP 36,600-305-60-11  
K4ARLJ 27,956-241-58-15  
W4JHY 27,840-232-60-11  
W4FKK 23,188-187-62-14  
K4M 19,360-186-52-5  
WB4LNT 18,914-89-49-13  
K4GKD 15,974-163-49-24  
K2EKM/4 13,056-128-51-6  
N3JT 10,658-73-73-13  
K4ICQ 3952-52-38-4  
K4CZV 3403-63-27-8  
W4ERU 1440-36-20-7  
K4GFK 39,670-323-15-1  
W4POX (AA4AT, K4AS, LLK, LLO, N4FLF, WA4TDS, opr) 81,464-599-68-18  
W4Y (AF2T,K4IC,WA2CR,WB4RDV, W4CA,opr) 41,072-302-68-21

West Indies

NP4A (N4TO,opr) 178,488-1206-74-24

5

Arkansas

K5GO 166,352-1124-74-24  
K5GC 98,670-715-69-24  
W4GOC 18,144-162-56-6  
W5KL 3840-64-30-2  
K5YM (AD5M, K5SS, KA5S,NLA PGA, KB5QL, N5ERR,WA5VVT, W5S LRP,W5C,WD5B1B,opr) 67,134-501-67-24

Louisiana

W5MMU 151,846-1026-74-24  
KASB 68,640-520-66-22  
N5FIY 54,136-404-67-24  
N5FS 53,406-387-69-23  
W5MG 50,410-355-71-24  
KA3BER/5 6464-101-32-5

6

Mississippi

N5XA 20,650-175-59-4  
K5SK 12,054-123-49-22  
K5VF 2800-50-28-8

New Mexico

AA5B 152,496-1059-72-24  
W5JW 147,704-998-74-24  
K7UP/5 84,180-610-69-18  
KNSD 40,300-310-65-24  
N5RR 37,120-290-64-8  
KT5X 24,644-202-61-4  
N5EZA 9944-113-44-21

Northern Texas

N5AU (K5ZD,opr) 179,968-1216-74-24

Orange

WA6JAH 119,136-816-73-23  
A16E 91,980-630-73-24  
AA6DP 54,423-540-71-23  
K6HRT 36,778-299-61-15  
W6GFR 800-25-16-3  
N6PFC (KA6s, HVV,RUX,N6PFN,opr) 20,020-182-55-24

Pacific

AH6K 113,760-790-72-17  
AH6J 3000-50-30-24

K5RX (KM5R,opr) 147,556-997-74-24  
N5CR 138,554-949-73-24  
K5M 133,200-925-72-23  
N5JB 127,428-861-74-24  
AF5K 116,524-558-68-23  
K5MH 108,000-750-72-20  
K5FUV (K5MR,opr) 104,400-725-72-16  
W9PL/5 103,496-761-68-24  
KB5UL 91,420-653-70-24  
K6QS 86,380-617-70-24  
KASGF 60,828-448-68-23  
K5YN 58,090-421-69-18  
K5ME 50,250-375-67-20  
K5MH 42,880-335-64-12  
W5AH 37,620-285-66-24  
K5FO 21,890-193-55-13  
N5EG 19,300-193-50-6  
N5BQ 18,480-165-56-14  
N5BT 10,890-121-45-4  
KA5OFZ 850-25-17-9  
WB5VZL (+N5HD) 104,940-795-66-24

Oklahoma

KMH5 106,872-732-73-24  
W7FC 78,660-570-69-14  
KJ9R 32,512-254-64-14  
K7CW/5 27,246-239-57-9  
KCAWQ 23,100-210-55-11  
K5CZQ 18,090-121-45-4  
N5EST 4624-68-34-6  
N5CC (+K5CM,N5KW) 143,136-994-72-24  
NØIN/5 (+W3AS) 122,544-828-74-24

Southern Texas

N5JJ 157,680-1080-73-24  
K5GA 154,512-1044-74-24  
K5SM 153,328-1036-74-24  
K5GN 150,960-1020-74-24  
K5IY (KNSH,opr) 150,812-1019-74-24  
K5IA 149,480-1010-74-24  
K5LZO 145,416-996-73-24  
N5LR 133,590-915-73-24  
N5DU 130,536-882-74-24  
K5SU 124,024-838-74-24  
K5KG 119,520-830-72-22  
K5MA 119,428-818-73-19  
K1MD 101,640-726-70-24  
N5EA 97,412-686-71-19  
W5ASP 89,512-668-67-24  
K5VMW 87,472-616-71-19  
K5IA 81,708-619-66-19  
AC5K 81,072-563-72-19  
W5JQ 75,544-532-71-13  
W5HNS 74,266-523-71-20  
K5CB 73,500-525-70-15  
K3ZM1/5 62,640-435-72-16  
W5SG 56,000-400-70-17  
W5PWC 52,640-376-70-17  
W5NR 31,680-264-60-12  
K8P 15,960-140-57-16  
W5LJT 13,600-130-50-10  
WB5CMB 12,402-117-53-11  
W5BDKJ/5 7380-82-45-15  
XD5SP (+K5YA,W5BMR) 119,280-840-71-24  
K5UI (+K2TMO,KB5FU) 114,240-816-70-24

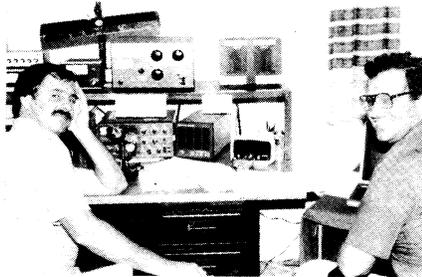
East Bay

N6RO 164,688-1128-73-24  
N61G 136,802-937-73-24  
K6PJT 103,460-739-70-24  
W6AR 98,980-707-70-22  
K6ATV 76,680-540-71-23  
K5GH 74,382-539-69-24  
K6ZM 58,098-421-69-14  
K2CMY 41,168-323-62-12  
K6CSL 23,968-214-56-20  
K6SQC 12,204-113-54-16  
K5GQ 800-25-16-3

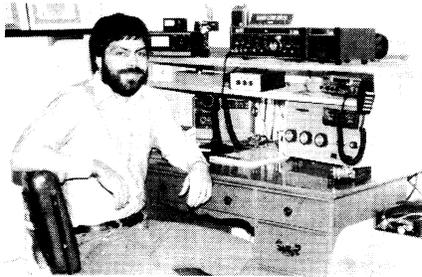
Los Angeles

W6UE (AA6RX,opr) 142,496-976-73-24  
W6AQ (WA6OTU,opr) 136,364-934-73-24  
JE6I 92,680-662-70-14  
N6PN 89,602-631-71-17  
WB9HR/6 50,920-380-67-22  
WB6VVS 33,306-273-61-18  
WA6HQS 51,808-74-35-11  
K5AA (K5TTE,K6G,NG8E,WB6UE,HD6AGN,opr) 120,384-836-72-24





NY4F (left) and N4FOC finished the contest wondering if it was all worth it. Guess it was, because Don is threatening to have a 40-meter beam for November 1983.



Dave, ND4Y, finished tops on phone in Kentucky.



N0AKC (left), K9FYZ, N9BLR and N0BSH operated K9FYZ to the top phone multiop slot in Wisconsin.

PHONE

State	Call Sign	Frequency	State	Call Sign	Frequency	State	Call Sign	Frequency		
New Hampshire	K1AR	209,420-1415-74-21-B	N.Y.C. & Long Island	KR2N (KQ2M, opr)	155,928-1068-73-24-A	Maryland — D.C.	W3LPL (WD4AKX, opr)	210,604-1423-74-24-B		
	KM1C (W8BBI, opr)	184,836-1266-73-24-B		KK2E	133,980-957-70-24-B		W3LPL	181,300-1225-74-24-B		
	AF1T	131,328-912-72-21-B		K2AU	82,782-567-73-19-B		K1A1C	178,488-1206-74-24-B		
	WA1TFH	94,752-658-72-22-A		WB2E2C	73,500-525-70-20-A		K3NA	170,064-1181-72-24-B		
	N1B5E	64,824-444-73-22-B		KS2G	73,130-515-71-16-A		K21TG	143,116-967-74-22-B		
	KE1E	42,372-321-66-15-A		KA2AEV	73,008-507-72-13-A		N3RI	162,968-966-74-21-B		
	AG1C	29,232-232-63-9-A		N2BZK	58,752-408-72-14-A		K3Z2	140,774-964-73-24-B		
	AC1J	12,546-123-51-4-A		WA2JCK	32,830-245-67-15-A		K3TM	139,576-956-73-20-B		
	K1IM	12,200-122-50-8-A		WB2FMP	31,248-248-63-14-B		K3DI	131,868-891-74-22-B		
	K1GW	7656-87-44-3-A		K2QAI	30,080-235-64-9-A		WA3VUQ	120,158-823-73-16-B		
N1BFL	2016-36-28-3-A	N2BAR	29,532-214-69-10-A	W31CM	113,664-768-74-22-B					
Connecticut	W1WFF	198,764-1343-74-24-B	K2DOD	21,318-187-57-10-A	WA3EK1	110,448-767-72-24-B				
	K1TO	186,912-1298-72-23-B	K2OVS	20,424-148-69-10-A	N3CGB	108,864-756-72-17-B				
	K1WA	157,536-1094-72-24-B	W2DZD	16,864-136-62-10-A	K3MHW	103,122-707-73-24-A				
	K1CC	125,652-849-74-11-B	M2RQ	16,512-192-43-9-B	K3SA	92,500-625-74-14-B				
	K1NXY	121,764-834-73-22-B	KC2DH	14,410-131-55-14-A	W31DT	88,356-597-74-24-A				
	KA1VC	112,420-770-73-24-A	W2TCR	14,300-143-50-13-A	W3JPT	72,000-500-72-22-B				
	KA1DZV	107,226-777-69-24-A	N2CKN	14,112-146-49-9-A	KC3D	69,768-513-68-11-B				
	W1CC	86,400-600-72-16-A	KC2T	10,920-105-52-8-B	W3AZ	52,824-372-71-17-B				
	K1DD	76,608-532-72-16-B	W2KZE	10,648-121-44-24-B	K4CQY	52,008-394-66-14-B				
	K1BV	70,140-501-70-18-B	WA2ARC	9844-107-46-8-A	WA3CYR	51,060-370-69-15-A				
K1YR	59,500-425-70-12-A	N2R0	8976-102-44-7-B	WB31L1	43,344-301-72-18-A					
KG1D	53,900-385-70-24-B	W2AYJ	5440-80-34-4-A	K3AO	39,050-275-71-24-B					
N1BGA	48,910-365-67-17-A	W2ZSE	3304-59-28-7-B	WA3VPI	36,792-292-63-14-A					
N1JW	44,298-321-69-7-A	WB2N1F	624-24-13-3-A	K3CU	32,368-238-68-7-B					
W1WV	43,746-317-69-6-B	KB2UB	144-9-8-2-A	K3SO	31,248-248-63-18-A					
K1DW	36,992-289-64-24-A	W2CXN (KB2SS, N2RQ, 2oprs)	15,290-139-55-6-A	N3AOE	24,960-208-60-16-A					
K1NCD	30,208-236-61-13-A	WB2RAQ (+N2CWO)	9888-103-48-14-A	W3EE	20,532-174-59-9-A					
K1DM	28,670-235-61-12-A	Northern New Jersey	W2RQ	196,248-1326-74-20-B	K2PLF/3	18,720-195-48-5-A				
KA1YE	23,072-206-56-12-A		K1JFV	83,904-608-69-18-A	N3COB	16,188-142-57-7-A				
K1EM	19,404-154-63-9-A		N2RF	68,728-484-71-18-A	K3RU	15,120-168-45-3-B				
W1PBR	17,114-199-43-13-A		WA4PFN	58,290-435-67-9-A	WB3JRU	13,708-149-46-24-B				
K1IYS	15,386-157-49-24-B		WA2BYX	39,168-306-64-15-A	N3AP1	10,360-120-44-7-A				
W1BH	15,244-103-74-4-B		KW4E/2	37,118-271-67-13-A	W3FCR	10,368-72-72-12-A				
AB1U	10,658-73-73-6-A		N2CS	35,360-260-68-11-A	N3CM	7688-62-62-5-B				
KF1B	9856-112-44-10-A		N2DNY	31,098-219-71-11-A	N3AM	6840-95-36-1-B				
KM1C	6150-75-41-4-A		N2CJJ	27,984-212-66-16-B	WA3EQQ	6320-79-40-3-A				
WB9FMB	3864-69-28-9-A		KB2ZQ	27,846-221-63-10-A	W3PWO	6100-85-36-7-A				
K1D11	2800-50-28-2-A	K3QM	26,264-196-67-12-A	KD3U	4140-69-30-4-A					
K1W	1248-37-17-34-A	W2GWN	25,872-196-66-15-A	W3GNQ (+W3PG)	132,904-898-74-23-B					
W1OD (+AK4L)	188,632-1292-73-24-B	KC2N	12,052-131-46-8-A	Western Pennsylvania	K3UA	219,336-1482-74-24-B				
K1AS (+KB1s, H, I, WA1s, HYN, RLV)	135,926-931-73-22-B	WB2CG1	3540-59-30-4-B		K31M	150,928-1014-74-24-B				
WA1DHW (+K1VRT, W1DQY, KR2V)	112,752-783-72-23-B	W2SHM	2888-38-38-2-B		KF3V	128,020-865-74-21-A				
Eastern Massachusetts	KG1E	162,060-1110-73-24-B	N2CWC (+WB2UVU)		57,352-586-66-15-A	AG3H	60,976-412-74-14-A			
	K1WR	145,408-1024-71-22-B	KC2CS (+KA2QMM)		31,812-241-66-10-A	W3Q1I	14,688-136-54-9-A			
	N1AU	108,360-774-70-21-B	KC2OM (+KA2AOR)		15,732-171-46-18-A	K3R	62,648-428-73-17-B			
	K1VUT	88,892-626-71-20-B	Southern New Jersey		WA20OS	141,044-953-74-21-B	K3R3C	128-8-8-1-A		
	WB2UMF	61,686-447-69-22-B			K2AA (WA2KOK, opr)	102,638-703-73-24-B	K3R3C	62,648-428-73-17-B		
	W1FM	53,676-378-71-12-A			WB2VFT	102,200-700-73-24-B	K3R3C	62,648-428-73-17-B		
	KE1U	52,164-378-69-10-A			WA2WJ1	68,832-478-72-16-A	K3R3C	62,648-428-73-17-B		
	K1KZL	47,328-348-68-24-A		N2BCF	66,500-475-70-23-A	K3R3C	62,648-428-73-17-B			
	WA2TBA	43,008-336-64-16-A		W2PGY	58,374-423-69-22-B	K3R3C	62,648-428-73-17-B			
	N1BTW	39,440-290-68-20-A		W2PAU	49,700-355-70-12-B	K3R3C	62,648-428-73-17-B			
W1UTM	32,736-248-66-14-A	K2OSV		36,332-193-62-13-B	K3R3C	62,648-428-73-17-B				
W1PLJ	18,550-175-53-11-B	K2YV		28,188-243-58-24-B	K3R3C	62,648-428-73-17-B				
KALEKR	15,222-129-59-15-B	W2ORA		27,880-205-68-13-A	K3R3C	62,648-428-73-17-B				
K1UCA	11,424-112-51-10-B	K2HPV	25,200-210-60-11-A	K3R3C	62,648-428-73-17-B					
W1LUC	7656-87-44-15-A	WB2ER1	23,814-189-63-0-B	K3R3C	62,648-428-73-17-B					
W1SR	2496-52-26-3-A	WB2V1	17,040-120-71-8-A	K3R3C	62,648-428-73-17-B					
K1XM	2160-40-27-3-A	WA2RCB	14,580-135-54-4-B	K3R3C	62,648-428-73-17-B					
KA1GHR (+K1s, PR, XM)	160,728-1086-74-24-B	WB2CES	11,904-124-48-4-A	K3R3C	62,648-428-73-17-B					
K1LYQ (+K1JN, N1BNC)	147,556-997-74-24-B	WA2AWS	10,440-116-45-6-A	K3R3C	62,648-428-73-17-B					
Maine	K1JNB	62,424-459-68-10-B	WB2UVB	6868-101-34-6-A	K3R3C	62,648-428-73-17-B				
	N1AFC	56,280-402-70-17-A	N2RF	3750-75-25-2-B	K3R3C	62,648-428-73-17-B				
	K1AQO	49,632-376-66-21-A	N2MR	3036-69-22-2-A	K3R3C	62,648-428-73-17-B				
	K1NAC (K1A, opr)	31,960-235-68-7-B	N2AWC	2600-50-26-9-A	K3R3C	62,648-428-73-17-B				
	W1KX (+K1PV, K1As, E1W, T3, WA1JCN)	71,568-504-71-18-A	K2JJA	128-8-8-1-B	K3R3C	62,648-428-73-17-B				
	W1YA (K1As, DZJ, COO, JMF, NIATN oprs)	60,720-440-69-24-A	AB2Y (+AB2Z, KA2HVV)	69,154-487-71-21-A	K3R3C	62,648-428-73-17-B				
	Western Massachusetts	W1ZAM	82,080-570-72-23-A	Eastern New York	K2TR	244,940-1655-74-24-B	K2TR	244,940-1655-74-24-B		
		N1SR	34,680-289-60-10-A		WA2STM	128,880-895-72-24-A	WA2STM	128,880-895-72-24-A		
		N1XZ (+WA1VE1)	114,624-796-72-22-B		KB2T (AC2X, opr)	125,208-846-74-24-B	KB2T	125,208-846-74-24-B		
		W1YK (AK1J, WA2YH2, WB1DSO, oprs)	92,300-650-71-24-B		W2ARF	113,664-768-74-24-B	W2ARF	113,664-768-74-24-B		
W1PUO (KA1BDB, KF1R, WA1FCO, WB1DOF, KR4N, oprs)		56,516-398-71-24-A	K2QF		86,360-635-68-20-B	K2QF	86,360-635-68-20-B			
Eastern Massachusetts		K2TR	244,940-1655-74-24-B		W2BHS	56,816-424-67-16-A	W2BHS	56,816-424-67-16-A		
		WA2STM	128,880-895-72-24-A		KB2HQ	52,080-372-70-19-B	KB2HQ	52,080-372-70-19-B		
		KB2T (AC2X, opr)	125,208-846-74-24-B		KW21	44,472-327-68-22-A	KW21	44,472-327-68-22-A		
		W2ARF	113,664-768-74-24-B		W2WD	42,504-308-69-10-B	W2WD	42,504-308-69-10-B		
		K2QF	86,360-635-68-20-B		WB2ENA	42,296-311-68-16-A	WB2ENA	42,296-311-68-16-A		
	W2BHS	56,816-424-67-16-A	WA2K1V	42,210-315-67-19-A	WA2K1V	42,210-315-67-19-A				
	KB2HQ	52,080-372-70-19-B	K2JZR	28,116-198-71-19-A	K2JZR	28,116-198-71-19-A				
	KW21	44,472-327-68-22-A	KU2W	25,578-203-63-14-A	KU2W	25,578-203-63-14-A				
	W2WD	42,504-308-69-10-B	N2J1	23,936-176-68-8-B	N2J1	23,936-176-68-8-B				
	WB2ENA	42,296-311-68-16-A	WB2OPV	23,270-179-65-9-B	WB2OPV	23,270-179-65-9-B				
WA2K1V	42,210-315-67-19-A	KA2DVK	20,300-175-58-22-A	KA2DVK	20,300-175-58-22-A					
K2JZR	28,116-198-71-19-A	WB2WU	18,576-172-54-15-A	WB2WU	18,576-172-54-15-A					
KU2W	25,578-203-63-14-A	K2QF	15,300-150-51-6-B	K2QF	15,300-150-51-6-B					
N2J1	23,936-176-68-8-B	WA2EQW	3368-54-31-2-B	WA2EQW	3368-54-31-2-B					
WB2OPV	23,270-179-65-9-B	W2X1 (+KA2KV2)	110,814-759-73-10-B	W2X1	110,814-759-73-10-B					
KA2DVK	20,300-175-58-22-A	WB2KMY (+N4FFD)	83,664-581-72-23-A	WB2KMY	83,664-581-72-23-A					
WB2WU	18,576-172-54-15-A	KW2D (+KC2KK)	34,790-245-71-16-A	KW2D	34,790-245-71-16-A					
K2QF	15,300-150-51-6-B	Western New York	WB2YQO	74,016-514-72-21-B	WB2YQO	74,016-514-72-21-B				
WA2EQW	3368-54-31-2-B		KJ2Q	69,580-497-70-13-B	KJ2Q	69,580-497-70-13-B				
W2X1 (+KA2KV2)	110,814-759-73-10-B		WB2ODH	62,464-488-64-18-B	WB2ODH	62,464-488-64-18-B				
WB2KMY (+N4FFD)	83,664-581-72-23-A		Delaware	K3DVS	119,000-850-70-23-A	K3DVS	119,000-850-70-23-A			
KW2D (+KC2KK)	34,790-245-71-16-A			K3HBP	51,800-350-74-12-B	K3HBP	51,800-350-74-12-B			
Western New York	WB2YQO			74,016-514-72-21-B	NBNA/3	36,162-287-63-8-A	NBNA/3	36,162-287-63-8-A		
	KJ2Q			69,580-497-70-13-B	AC3T	9240-105-44-3-A	AC3T	9240-105-44-3-A		
	WB2ODH			62,464-488-64-18-B	K2GE/3 (K2MS, N2CYM, WA2NKK, WB2S ANH, OMA, opr)	16,642-157-53-8-A	K2GE/3	16,642-157-53-8-A		
	Delaware			W33FAA	141,182-967-73-24-B	Eastern Pennsylvania	WB3FAA	141,182-967-73-24-B	WB3FAA	141,182-967-73-24-B
				W3BEMC	127,896-876-73-23-B		WB3EMC	127,896-876-73-23-B	WB3EMC	127,896-876-73-23-B
		W3JWP		111,982-767-73-23-B	W3JWP		111,982-767-73-23-B	W3JWP	111,982-767-73-23-B	
		W3SPJ		90,440-665-68-17-B	W3SPJ		90,440-665-68-17-B	W3SPJ	90,440-665-68-17-B	
		K3MRC		86,380-617-70-18-A	W3MRC		86,380-617-70-18-A	W3MRC	86,380-617-70-18-A	
		W3YTON	69,828-306-69-19-A	W3YTON	69,828-306-69-19-A		W3YTON	69,828-306-69-19-A		
		W3PFQ	69,276-502-69-13-B	W3PFQ	69,276-502-69-13-B		W3PFQ	69,276-502-69-13-B		
W3BFTY		68,256-474-72-24-B	W3BFTY	68,256-474-72-24-B	W3BFTY		68,256-474-72-24-B			
W31WZ		60,918-429-71-22-B	W31WZ	60,918-429-71-22-B	W31WZ		60,918-429-71-22-B			
LA3B		59,228-442-67-14-A	LA3B	59,228-442-67-14-A	LA3B		59,228-442-67-14-A			
KC7C	57,816-438-66-24-A	KC7C	57,816-438-66-24-A	KC7C	57,816-438-66-24-A					
KB1YJ	54,460-389-70-17-A	KB1YJ	54,460-389-70-17-A	KB1YJ	54,4					



