

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 Sers 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.

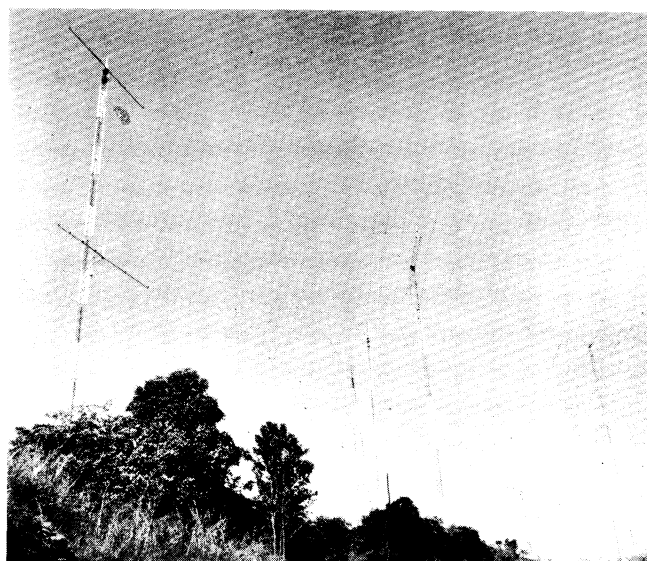
After several tries, the Northern Ohio ARS/Mad River RC crew at WB8JBM finally found all the needed ingredients to take home the cw multiop honors. Their score is significantly higher than second-place N5CG's. Like last year, stations in the Midwest seem to have a handle on the necessary ingredients 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 K0UK from Colorado. Looks like almost anywhere is a good place to give the phone contest a shot barefoot,

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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."

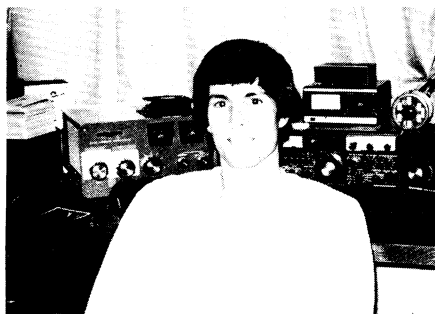
although the fifth call area is apparently a great place to be.

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-



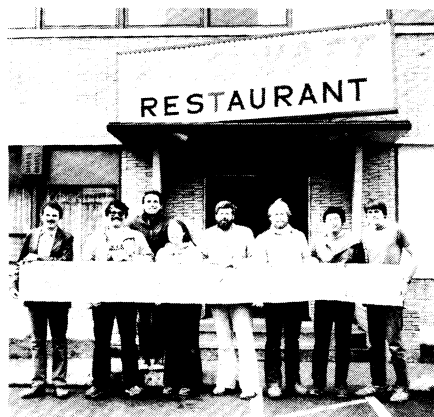
Bruce, AA5B, finished second overall in the phone portion. How did he do it?: "(1) I took down my 40-meter triangle and replaced it with an inverted V at 50 feet. (2) I bought a new mechanical pencil with 0.7-mm leads. (The 0.5-mm leads broke about every five QSOs last year.) (3) I smiled a lot."

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 Iowa 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 (K12M)	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
W5WMU	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	AK0T	WA0ARS	K0VVY
Delta	W5WMU	N5ATW	WA5TCL
Great Lakes	K8ND	WB8MGQ	WB8JBM
Hudson	K2TR	KR2N (KQ2M)†	W2XL
Midwest	K4VX (KR0Y)	KV0I	K0WA
New England	K1AR	KA1VC	W1OD
Northwestern	K7RI (K7SS)	K0EJ	AG7M
Pacific	WA7NIN (W6OAT)	K2GMY	N6BT
Roanoke	N8II (K4PQL)	WD4AVY	W4IY
Rocky Mountain	AA5B	K0UK	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	AK0T	N8NO	K0VVY
Delta	K5GO	K4XU	KY5M
Great Lakes	WA8YVR	K8BL	WB8JBM
Hudson	W2YV (N2NT)	WA2STM	KC2FV
Midwest	N0GA	K0LUZ	K0DI
New England	K1TO	K1EA	KM1C
Northwestern	K7RI (W7WA)	W7WHO	AG7M
Pacific	N6RO	N6IGT	W6BIP
Roanoke	N8II	KD8G	W4POX
Rocky Mountain	K0RF (W0UA)	AD0O	KC0D
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	MS—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—48	MS—0015—3.5
	phone	WYO—0606—7	WIN—0745—7	MS—1435—21
K0VBU	cw	VE4—2120—21	VE6—2200—28	VE8—0258—14
	phone	MS—2307—21	PAC—2334—21	SC—2337—14
KR0Y	cw	VE6—1629—28	VE4—2215—21	VE8—2308—21
	phone	SV—0310—14	VE7—0524—7	PAC—0715—7
W0UA	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

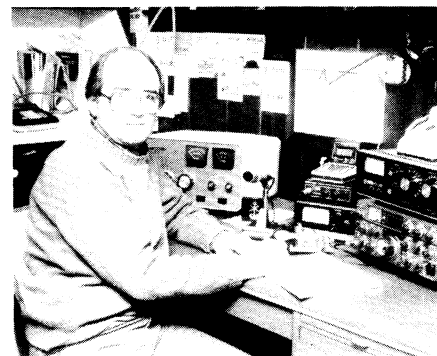
Texas DX Society	6,013,316	49	K5RC	N5JJ
Yankee Clipper Contest Club	3,918,312	41	K2TR	W2YV
Northern California Contest Club	3,700,132	32	WA7NIN	N6RO
North Texas Contest Club	3,520,262	39	K5QY	N5AU
Mad River RC	3,338,969	28	K8ND	K3LR
Murphy's Marauders	2,912,676	32	W1WEF	K1TO
Rubber Circle Contest Club	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	W6UE
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	—	AA5B
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.	179,136	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	N8LM	—
Coconino 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	WA8VEB
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	—	W0YBV
Megahertz Manor Maniacs	41,860	3	—	—
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')
K0RF	"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
W0YK	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')
W5WMU	"Multibanders"

Phone — Low Power

Call	Antennas
K0UK	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
K0RF	"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
K0LUZ	80-m sloper; 40-m coaxial dipole; 20/15/10 TH6DX (43')
K0VBU	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 (VE3GP). 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 KC0D's operator list should include WA0UJO, not WA0UJD. On phone, please add W7GXC 50, 864-374-68-14-A to the Utah section.

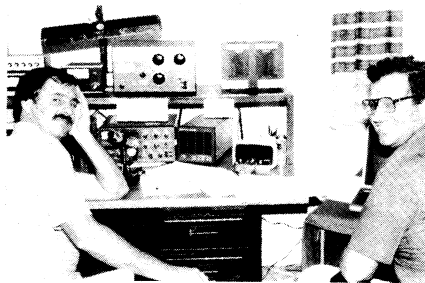
Scores

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, K1TO worked 1060 stations in 74 sections for a final score of 156,880 points. He operated 24 hours and used more than 200 W.

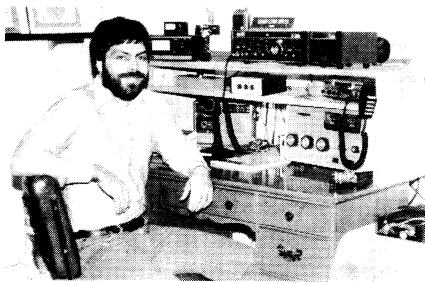
Cw		Phone	
1	K1TO	156,880-1060-74-24-B	B
	K1CC	151,256-1022-74-24-B	B
	AA2Z	143,810-985-73-24-B	B
	K1XA	141,036-966-73-24-B	B
	W1WEF	136,308-921-74-24-B	B
	W1ECH	108,204-762-71-23-A	A
	K1WA	106,848-742-72-24-B	B
	W1GNC	103,740-741-70-19-B	B
	K1RM	101,956-718-71-16-B	B
	W1GCR	98,548-694-71-21-B	B
Connecticut		Eastern Massachusetts	
2	K1RBV	132,768-922-72-24-B	B
	W1WAI	132,768-922-72-24-B	B
	K1IBV	1200-30-20-3-A	A
	W1WAI	1200-30-20-3-A	A
	K1IBV	1200-30-20-3-A	A
	W1WAI	1200-30-20-3-A	A
	K1IBV	1200-30-20-3-A	A
	W1WAI	1200-30-20-3-A	A
	K1IBV	1200-30-20-3-A	A
	W1WAI	1200-30-20-3-A	A
Maine		Rhode Island	
3	K1IBV	120,240-835-72-23-A	A
	W1WAI	120,240-835-72-23-A	A
	K1IBV	120,240-835-72-23-A	A
	W1WAI	120,240-835-72-23-A	A
	K1IBV	120,240-835-72-23-A	A
	W1WAI	120,240-835-72-23-A	A
	K1IBV	120,240-835-72-23-A	A
	W1WAI	120,240-835-72-23-A	A
	K1IBV	120,240-835-72-23-A	A
	W1WAI	120,240-835-72-23-A	A
New Hampshire		Utah	
4	K1IBV	120,240-835-72-23-A	A
	W1WAI	120,240-835-72-23-A	A
	K1IBV	120,240-835-72-23-A	A
	W1WAI	120,240-835-72-23-A	A
	K1IBV	120,240-835-72-23-A	A
	W1WAI	120,240-835-72-23-A	A
	K1IBV	120,240-835-72-23-A	A
	W1WAI	120,240-835-72-23-A	A
	K1IBV	120,240-835-72-23-A	A
	W1WAI	120,240-835-72-23-A	A

Vermont			K2KA			11,240-			102-68-8-B			W3FA			59,532-			451-66-15-B			K04XN (KBA4CDH, W4F2H, oprs)			35,264-			304-58-18-A			K5RX (KM5R, opr)			147,556-			997-74-24-B								
WB1QCR (WB2JSJ, opr)			K2ANVU			11,520-			120-48-18-A			W3GN			58,788-			426-69-12-B			K4ABVJ (+W4ADK1, W4DANS)			20,130-			183-55-12-A			N5CR			138,554-			949-73-24-B								
K1IK			8670			85-51-18-B			K21TC			48,608-			392-62-20-B															K5MW			133,200-			925-72-23-B								
W1QK			4092			66-31-6-A			W3WV			39,600-			306-66-13-B															N5JB			127,428-			861-74-24-A								
W1QY			3036			66-23-2-A			W3VPL			34,902-			277-63-13-B															N5KHM			108,000-			750-72-20-B								
W1GUV			18			3-3-5-A			W3CB			33,264-			264-63-8-B															K5FUV (K5MR, opr)			104,400-			725-72-16-B								
			W2YC (+K2HPV, N2CQ)			85,820-			61-73-20-2-A			W31DT			32,208-			264-61-22-A			Tennessee												W9PL/5			103,496-			761-68-24-B					
			N2CQ (+W2NPD, W2GES)			36,478-			299-61-20-A			K3NCO			29,760-			248-60-9-A															K8SUL			91,420-			653-70-24-A					
												K2PLF/3			26,696-			284-47-9-A															W4QS			86,380-			617-70-24-A					
												K3CN			18,564-			182-51-11-A															K5GSC			60,928-			448-68-23-B					
												W3EE			18,032-			161-56-7-A															K5VSN			58,098-			421-69-18-A					
												N3CW			12,480-			120-52-2-B															K5ME			50,280-			375-67-20-A					
												W3JRUR			10,810-			115-47-24-A															K5MH			42,550-			335-64-12-B					
												W3FCR			7442			61-61-14-A															W5AH			37,620-			285-66-24-B					
												K3SO			6840			95-36-10-A															K5FO			21,890-			199-55-13-A					
												K6X2			6132			73-42-7-B															N5EG			19,300-			193-50-6-B					
												K9X3			4620			66-35-7-A															N5BQ			18,480-			165-56-14-A					
												K4CCY			1776			37-24-7-A															N5BT			10,890-			121-45-4-A					
												W3FVZ			1320			44-15-2-A															K5OFZ			850-			25-17-9-A					

Sacramento Valley				Montana				K8QWC 14,484-142-51-17- A				W9JWC (KA9KIM,KA0CHI,KO2R, NSCAC,WB9UTY,oprs) 52,800-400-66-21- B				KN0D 66,660-505-66-22- A			
A16V 111,470-785-71-23- B				K7ABV 65,076-493-66-24- A				WBSCW 13,000-130-50-6- A				W6MYR 10,716-114-47-9- A				KSQT 48,688-358-68-14- A			
K6SG 99,792-693-72-22- B				WAGVT 8652-103-42-14- A				KABNCR 10,710-119-45-17- A				N8AOC 7488-104-36-5- A				WABACF 47,460-339-70-15- A			
KV6H 88,184-604-73-23- A				KA7LVI 540-18-15- 4- A				KAB11N 2542-41-31-5- A				Indiana				K0TK 39,680-320-62-5- B			
KF6A 68,900-530-65-14- B				KS7T (+KA7GV1) 114,048-792-72-23- B				K8BX 1680-35-22-2- A				W9RE 140,438-989-71-24- B				K0PH 37,926-301-63-7- A			
K6FO 59,892-434-69-16- B								KASAP1 1240-31-20-9- A				W9L1 12,372-897-71-24- B				K0BW 26,908-217-62-14- A			
AA6DX 57,156-434-66-18- A								WB8TCY 540-18-15-5- A				W9OB 94,360-674-70-24- A				N0BSH 25,010-205-61-13- A			
W6GXC 51,060-370-69-17- A								KABQKO 162-9-9-3- A				N9CR 85,848-588-73-24- A				W0ISJ 21,816-202-54-4- B			
W6BRR 7912-92-43-7- A				Nevada				KR8L 160-10-8-1- A				AE9Y 82,104-622-66-24- A				W0PWW 21,670-197-55-12- A			
N6CQA 2464-44-28-20- A								K8JH (+N8BVY) 79,626-577-69-22- A				W9JDO 80,154-549-73-24- A				K0IHC 19,470-177-55-4- A			
												W9JDO 80,154-549-73-24- A				W0TVI 16,016-143-56-5- A			
												W9JDO 75,260-530-71-20- A				W0HFI/0 15,054-136-57-12- A			
												W9JDO 59,328-412-72-19- A				W0MHT 11,500-125-46-10- A			
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												W9JDO 59,328-412-72-19- A				K0VY 9,306-99-47-3- A			
												W9JDO 59,328-412-72-19- A				K0VY 9,306-99-47-3- A			
												W9JDO 59,328-412-72-19- A				K0VY 9,306-99-47-3- A			
												W9JDO 59,328-412-72-19- A				K0VY 9,306-99-47-3- A			
												W9JDO 59,328-412-72-19- A				K0VY 9,306-99-47-3- A			
												W9JDO 59,328-412-72-19- A				K0VY 9,306-99-47-3- A			



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

PHONE		New Hampshire		N.Y.C. & Long Island		Maryland — D.C.		
1	K1AR	209,420-1415-74-21-B	KR2N (KQ2M,opr)	155,928-1068-73-24-A	WB2NFB	54,672-408-67-13-A	K3ZJ	181,300-1225-74-24-B
	KM1C (WB88TH1,opr)	184,836-1266-73-24-B	KK2E	133,980-957-70-24-B	K2SOT	48,816-339-72-20-B	KA1GD	178,488-1206-74-24-B
	AF1T	131,328-912-72-21-B	K2AU	82,782-567-73-19-B	K2S2E	42,420-303-70-11-B	K3NA	170,064-1181-72-24-B
	W1TFH	94,752-658-72-22-A	WB2EZC	73,500-525-70-20-A	W2T2	41,344-304-68-6-A	K21TG	143,116-967-74-22-B
	N1BEY	64,824-444-73-22-A	KS2G	73,130-515-71-16-A	WA2FQE	39,192-284-69-23-A	N3RL	142,968-966-74-21-B
	KE1E	42,372-321-66-15-A	KA2AEV	73,008-507-72-13-A	WB2MVF	34,348-277-62-13-A	K3ZZ	140,774-964-73-24-B
	AG1C	29,232-232-63-9-A	N2BZK	58,752-408-72-14-A	WB2QDN	34,036-254-67-11-A	K3TM	139,576-956-73-20-B
	AC1J	12,546-123-51-4-A	WA2JCK	32,830-245-67-15-A	W2ZYQH	29,200-200-73-11-A	K3DI	131,868-891-74-22-B
	K1IM	12,200-122-50-8-A	WB2FMP	31,248-248-63-14-B	W2ZYD	28,860-195-74-15-B	WA3VUQ	120,158-823-73-16-B
	K1GW	7656-87-44-3-A	K2QAI	30,080-235-64-9-A	AE2T	28,550-257-72-13-A	W3ICM	113,664-768-74-22-B
N1BFL	2016-36-28-3-A	N2BAR	29,532-214-69-10-A	WB2FDK	26,624-208-64-13-A	N3CB	108,864-756-72-17-B	
		K2DOD	21,318-187-57-19-A	K2YFP	22,968-198-58-11-B	K3WUW	103,122-707-73-24-A	
		K2OVZ	20,424-148-69-10-A	WB2TCU	21,480-179-60-11-A	K3SA	92,500-625-74-14-B	
		WA2DZD	16,864-136-62-10-A	WB2QRP	19,722-173-57-9-A	W31DT	88,356-597-74-24-B	
		N2RQ	16,512-192-43-9-B	KA2EGC	18,600-155-60-13-B	W3JPT	72,000-500-72-22-B	
		KC2DH	14,410-131-55-14-A	KA2HAR	17,700-150-59-10-A	KC3D	69,768-513-68-11-B	
		W2TCR	14,300-143-50-13-A	W2NKK	13,230-147-45-12-A	WB3AZ	52,824-372-71-17-B	
		N2CKN	14,112-146-49-9-A	W1CIG	10,900-90-50-7-B	K4CGY	52,008-394-66-14-B	
		KC2T	10,920-105-52-8-B	WA2PHA	8712-99-44-4-A	WA4CYR	51,060-370-69-15-A	
		W2KZE	10,648-121-44-24-B	KB2NU	8000-100-40-2-B	WB3L1	43,344-301-72-18-A	
		WA2AKC	9844-107-46-8-A	WB2SCS	6708-78-43-6-A	K3AO	39,050-275-71-24-B	
		N2R0	8976-102-44-7-B	W2ODC	5544-84-33-6-A	WA3VPI	36,792-292-63-14-A	
		W2AYJ	5440-80-34-4-A	KG2Y	5056-79-32-4-A	W3VQE	32,964-246-67-14-B	
		W2ZZE	3304-29-28-7-A	K2QR	2610-45-29-1-A	K3CU	32,368-238-68-7-B	
		WA2N1F	624-24-13-3-A	KA2KFV	20-20-20-20-20-A	K3SO	24,638-248-63-18-A	
		KB2UB	144-9-8-2-A	WA2LEZ	1960-49-20-1-A	N3AOE	24,960-208-60-16-A	
		W2CXN (KB2SS,N2RQ,opr)	15,290-139-55-6-A	KP2A	504-18-14-3-A	W3EE	20,532-174-59-9-A	
		WB2RAQ (+N2CMO)	9888-103-48-14-A	K2WU (K2OC,KA2CDE,K12P,N2ZH,N61N,opr)	186,332-1259-74-24-B	K2PLF/3	18,720-195-48-5-A	
				KF2X (+N2S, BXC,CFN)	91,834-629-73-24-B	N3COB	16,188-142-57-7-A	
						K3KU	15,120-168-45-3-B	
						WB3JRU	13,708-149-46-24-B	
						N3AP1	10,560-120-44-7-A	
						W3FCR	10,368-72-72-12-A	
						N3CM	7688-62-62-5-B	
						N3AM	6840-95-36-1-B	
						WA3EQQ	6320-79-40-3-A	
						W3PMO	6120-85-36-7-A	
						KD3U	4140-69-30-4-A	
						W3GNQ (+W3FC)	132,904-898-74-23-B	
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