

# Results, 45th Annual ARRL November Sweepstakes

Records broken; to-the-wire finish in cw Top Ten. Whew! What a contest.

By Tom Frenaye,\* K1KI, and Bill Jennings,\*\* K1WJ

In almost all ways, the 1978 ARRL November Sweepstakes was a record breaker. We received more logs than ever before (2997, up 10 percent), more club entries than before (112, up 16 percent), the highest total club score (NCCC), and the highest single-operator score on phone (N6CJ from KP4RF). Add to that the 41 new single-operator division records (37 last year), the closest finish in the top ten on cw and more clean sweeps (354) than ever before, and you'll have to agree that it was a record-breaking contest.

The number of logs received didn't quite break the 3000 mark but were almost identical on phone (1507) and cw (1490). Club and local competition seemed to really bring out the closest battles. On cw, W6HX (N6NT, op), N6TR and K6RR (N6CJ, op) of the Southern California Contest Club all placed in the top ten, with the difference between their scores only eight QSOs! The Mad River RC battle was between K3UA and K3LR who also both finished in the top ten in the high-power category, the difference here only five QSOs and a multiplier. The low-power cw battle was between K0DJ and W0ETT in Colorado with DJ in the number eight slot and ETT number 10. The Mad River group also had quite a battle of multioperator stations with WB8JBM,

K8ND and W8XU finishing fourth, sixth and eighth, respectively.

This intense competition on the local level also spurred on many ssb participants. Colorado's K0RF and K0CL battled it out for fifth and sixth place honors, the difference only two QSOs when the dust had settled. Arizona produced the closest, low-power battle with K7JVR edging W7UV by only five QSOs. Again, the multioperator category produced tight contests. The Northern California Contest Club placed three stations in the top ten — W6JZU, W6YX and N6RZ. In Connecticut, N1MM and K1XA of Murphy's Marauders cracked the top ten, along with the Yankee Clipper group at W1XX.

This should prove once and for all that the best way to score big is to match yourself up with someone you know nearby and give 'em hell. The Northern California Contest Club takes this philosophy to heart by sponsoring numerous trophies and awards to its own members. Their number one finish for the fourth year in a row is clearly very impressive. They increased their victory margin over the Potomac Valley RC by nearly two million points this year, despite PVRC's narrow 42k point lead in cw scores.

The medium level of club competition was just what Murphy's Marauders needed to liven things up. They scraped together 15 entries and two million points more than last year.

The local level of competition produced some very interesting results. The Cascades ARS of Jackson, Michigan, scored a narrow victory in a close race. Their phone totals dominated, while their cw score was topped by the next four finishers. The reconstituted Texas Association of Contest Operators, now a local power, finished a close second. The number four and six finishers in the local class competition, the Flyweight DX Group and the Point Radio Operators Society, weren't even on the charts last year.

A decrease in scores shows things are changing in a few clubs, but on the whole, club aggregate scores were up. Another ingredient to NCCC's victory in the unlimited category was the large turnout of members. Nearly 70 percent of NCCC's members submitted scores or participated in club multioperator efforts. Compare that to the PVRC and YCCC averages of about 40 percent and look at your own club effort while looking toward next year.

Club scores and local competition aren't everything though and mention should be made of the other outstanding SS scores. The Top Ten phone scores averaged nearly 20k points greater than last year, with the average entry making 1922 QSOs (80 per hour)! N6CJ operating from KP4RF smashed his own existing record by 15k points. On cw, the average top ten score was up by a scant 600 points.

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## Division Leaders — Single Operator

Division	CW		Phone	
	High Power	Low Power	High Power	Low Power
Canadian	VE7CC*	VE4OY*	VE5DX*	VE4OY*
Atlantic	K3UA*	K3TM*	K3UA	W2KI*
Central	W9RW*	N9BT	K9CT*	WB9EGZ
Dakota	K0ZZ*	N0NO*	K0ZZ*	WA0LKL*
Delta	K5GO*	K4XU*	W5VSZ	N5DX*
Great Lakes	K8NZ	K8EKG	K8LX*	W8LAQ
Hudson	W2GD*	W2CS*	K2TR*	K2UF*
Midwest	N0GA*	WA0TKJ	K5JZN/0*	WB0ISW*
New England	K1GQ*	W1ZT*	K1VTM*	N1YY
Northwestern	K7RI*	K7QD*	K7RI	WB7BNP
Pacific	N6BT	N6XI*	K6OQ	WB6SHD*
Roanoke	K4VX*	N4DW*	K4VX*	K8BS
Rocky Mountain	W0CP	K0DJ*	K0RF	N0MC
Southeastern	N4RR	N4TZ	KP4RF*	WD4OIX
Southwestern	W6HX*	AA7A*	W7KW*	K7JVR*
West Gulf	K5GA	K5MR	K5JA*	N5UD

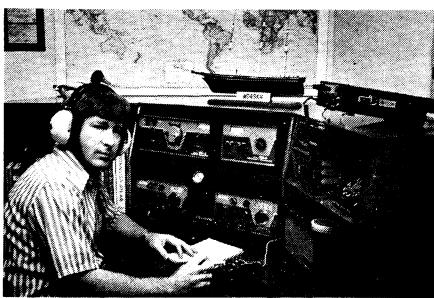
\*New records

## Division Leaders — Multioperator

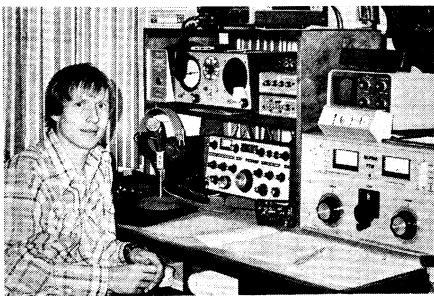
Division	CW	Phone
Canadian	VE3ART/3	VE3ECP
Atlantic	WA2ECA	WA2ECA
Central	W9YH	W9YH
Dakota	K0TK	K0LTC
Delta	N4AJJ	AA4AA
Great Lakes	WB8JBM	WB8JBM
Hudson	K2GQ	K2XR
Midwest	K0WA	K0WA
New England	N1MM	K1GZL
Northwestern	K7WPC	KL7HR
Pacific	K6AYA	W6JZU
Roanoke	N4WA	K8KT
Rocky Mountain	N0AE	N7AON
Southeastern	W4AQL	N4WW
Southwestern	N6HE	WB6OBZ
West Gulf	K5KG	K5RX



W6AM (N6TJ, op), no. 2 cw



Fred (WD4SKH/T) passed his Technician exam two days before the SS and stuck it out for 6636 points from North Carolina.



WA6VEF piled up 366k points for the NCCC while finishing third in the East Bay section on both phone and cw.

W2GD finished on top for the first time with an impressive 2500 point lead. His 11th place finish past year (missed number 10 by 6 QSOs) must have given him that extra incentive. The next six finishers were unbelievably close — number seven could have been number two with only eight more QSOs! In fact, number 10 VE7CC could have been first with a paltry increase in his QSO rate of only two per hour.

The 1975 low-power phone record of WA5VDH was smashed by N5DX, leaving the rest of the pack well behind. On cw AA7A didn't break the record but his 6000 point lead over number two K5MR made the victory comfortable.

Multioperator leaders were K1GZL on phone and WA2ECA on cw. The K1GZL group clearly outdistanced the competition but there were several groups on the heels of WA2ECA.

This was really the year of new division records. Single operator records were all broken in the Atlantic, Canadian, Dakota,

**Affiliated-Club Competition****Club****Unlimited Class**

	<b>Score</b>	<b>Entries</b>	<b>CW Winner</b>	<b>Phone Winner</b>
Northern CA Contest Club	14,874,540	140	N6BT	K6OQ
Potomac Valley Radio Club	12,208,744	115	W3LPL	K4VX
Yankee Clipper Contest Club	7,601,038	81	K1GQ	K2TR
South Jersey RA	1,664,444	59	K2YY	K2YY

**Medium Class**

Murphy's Marauders (CT)	4,657,790	40	K1PR	K1VTM
Mad River RC (OH)	4,056,098	40	K3UA	K3UA
Frankford RC (PA)	2,857,800	38	W2GD	K3ZA
North Texas CC	2,687,836	29	N5JB	K5JA
Texas DX Soc.	2,555,824	34	K5GA	K5RC
Western Washington DXC	2,123,568	34	K7RI	K7RI
Wireless Inst. of Northeast (NY/NJ)	2,090,332	25	N2NT	K2PE
III-Wind Contesters (IL)	1,735,628	25	W9RW	K9RF
Buffalo Area DXC (NY)	1,635,332	15	N2MF	K2IGW
Central Illinois DX & CC	1,463,284	14	K9CT	K9CT
Southern CA CC	1,397,000	14	W6HX	—
Central Arizona DXA	1,328,496	12	W7KW	W7KW
Gloucester County RC (NJ)	1,265,164	22	N2CQ	W2KI
Kansas City DXC (MO)	808,542	11	K0XR	WB0ISW
Saginaw Valley ARS (MI)	795,770	26	K8DO	K8OT
Northern Florida ARS	694,316	11	N4UF	N4UF
L'Anse Creuse ARC (MI)	679,026	23	K8DD	K8DD
Wisconsin Valley RA	677,714	14	W9NA	W9NA
Murgas ARC (PA)	654,404	18	WB3JGP	WB3FAA
Ft. Wayne RC (IN)	653,920	15	K9UWA	K9UWA
Central Michigan ARC	588,972	22	W8TJQ	WA8SQL
Kettle Moraine RA (WI)	559,488	30	W9HE	N9KS
Ohio Valley ARA	484,900	10	W8RSW	—
Utica ARC (NY)	360,090	13	K2XU	WA2PCF
West Allis RAC (WI)	314,958	17	K9KR	K9KR
Motor City RC (MI)	214,114	12	K8SIA	K8SIA

**Local Class**

Cascades ARS (MI)	758,056	10	K8MJZ	K8MJZ
Texas Assn. Contest Ops	742,582	6	K5TM	K5TM
John Brown Univ. ARC (AR)	731,644	7	K5GO	N5DX
Flyweight DX Group (TN/VA)	716,474	6	N4DW	—
Willamette Valley DXC (OR)	619,760	5	—	W7NI
Point Radio Opr. Soc. (PA)	587,156	8	K3KO	—
Mid-Missouri ARC	534,550	8	—	W0VE
Blue Grass ARC (KY)	521,678	10	WB4PRU	WB4PRU
Central Virginia CC	521,424	5	—	N4HB
Colorado Contest Conspiracy	474,376	3	—	—
RC of Tacoma (WA)	463,010	10	—	W7BUN
Central Florida DX Assn.	453,338	9	N4SA	N4SA
Sevier County ARC (TN)	441,462	6	K4XU	K4XU
Connecticut Wireless Assn.	441,066	9	W1ECH	W1TCJ
Salem ARC (OR)	430,768	4	N7ES	—
Western Carolina ARS (NC)	405,024	4	—	—
Synton ARC (IL)	394,602	9	K9CW	KB9AW
Minnesota Wireless Assn.	392,862	4	—	—
Massillon ARC (OH)	391,122	7	K8AC	K8AC
Poughkeepsie ARC (NY)	389,598	5	—	—
Indy DXers (IN)	349,642	3	—	—
M.I.T. RC (MA)	346,012	5	—	N1HR
Duluth Guns RC (MN)	342,434	4	K0II	—

Hudson, Midwest and Southwestern Divisions. Arizona now holds three of the S.W. Division records usually held by Southern California stations. Even far-away Alaska found itself (herself?) with the multioperator title in the Northwestern Division as the KL7HR group put together a winning entry. The oldest record broken was in the Dakota Division where WA0LKL is the new low-power phone king, erasing the WB0DSP 1972 record. The oldest one still on the books is the 1969 low-power record from the Southeastern Division held by K4WAR (K8UQA/K8WW, op).

One interesting statistic culled from this year's SS logs was the year first licensed (from the check given in the contest). Of the logs received at HQ., 39 percent gave out checks of 1970 or later. About 25 percent fell into each of

the 1960-69 and 1950-59 categories. The 1940s had 3 percent, 1930s about 5 percent and 1920s about 2 percent, with only two entries before 1920. Exactly half of the entries gave first dates of license of 1965 or later. Feel like you're getting older?

Only those stations making a clean sweep on both modes are listed in this year's tabulation. Cw clean sweeps were up 219 percent and phone sweeps were up 60 percent. Last year only 10 stations managed a sweep on both modes, 1978 honors go to 36! A few operators made it on both modes, K1MM for one, but used different call signs (KZ5JM and KZ5NO). Incidentally, next year's clean sweep total will be only 74 sections, as Canal Zone licensing will be handled by Panama with HP call signs issued.

Whidbey Island DXC (WA)	332,007	9	—	WB7BFK
Burlington ARC (VT)	327,516	4	—	—
Hell Gate ARC (MT)	324,762	6	K7QA	K7QA
Rockford ARA (IL)	314,530	5	—	K9IKP
Las Vegas RAC (NV)	309,620	3	—	—
Canton ARC (OH)	308,930	7	W8TD	WB8URG
Rowan ARS (NC)	303,218	6	—	N4UH
Mitre-Bedford ARC (MA)	287,108	7	W1FM	W1FM
Whitewater Valley ARC (IN)	285,902	5	AA9S	—
Schenectady ARA (NY)	271,660	4	—	—
Central Michigan Contesters	241,398	5	—	WB0TMK
Ozarks ARS (MO)	235,692	8	—	—
Eastern Iowa DXA	230,902	4	W0VU	—
Mike & Key ARC (WA)	223,648	5	—	N7NW
Saline County ARC (AR)	204,472	4	—	—
Spokane RA (WA)	202,847	7	K7JV	—
Manchester RC (CT)	202,714	6	W1WEF	—
Montgomery ARC (MD)	202,164	5	—	WB3FAF
Old Barney ARC (NJ)	201,434	4	—	—
Foothills ARS (CA)	197,822	7	—	W6LID
Granite State ARA (NH)	195,984	4	—	—
Southeastern DXC (GA)	194,404	4	—	—
Libertyville & Mundelein ARS (IL)	191,428	4	—	—
Hollywood ARC (FL)	177,796	3	—	—
Land of Lakes ARC (MI)	166,442	5	—	WA8OWG
AR Transmitting Soc. (KY)	163,384	3	N4XM	—
Sioux Falls ARC (SD)	161,332	3	—	WA0ARS
Hazleton ARC (PA)	160,402	5	K3UK	—
HTC-South Campus ARC (MN)	156,966	4	—	K0CN
Ventura County ARC (CA)	152,678	6	—	WA6IJZ
Abington ARC (PA)	147,318	5	—	KA3AQF
St. Charles ARC (MO)	143,056	6	WB0QZY	WB0QZY
Penn. Wireless Assn. (PA)	140,386	4	—	—
Rochester ARC (MN)	139,792	4	—	—
Larkfield ARC (NY)	139,354	10	K2CMV	WB2GUB
Signal Hill ARC (SD)	137,208	4	—	—
Northwest ARC (IL)	129,712	7	N9NA	WD9ADM
Great South Bay ARC (NY)	128,110	4	—	—
Coconino County ARC (AZ)	124,710	5	W7YS	—
Northrop RC (CA)	121,114	4	—	W6CN
Billerica ARC (MA)	115,520	4	—	—
Rio Hondo ARC (CA)	115,112	4	—	WA6EZV
Ambridge Area School Dist. RC (PA)	108,518	6	WB3HSV	—
Chicago Radio Traffic Assn. (IL)	104,552	5	W9REC	—
Cuyahoga Falls ARC (OH)	101,826	9	WB8VNR	KA8BCZ
Hamfesters RC (IL)	97,788	4	—	—
ARINC ARC (MD)	96,616	4	—	—
Four Lakes ARC (WI)	85,176	4	—	WD9GRI
Westpark Radiops (OH)	83,724	6	—	W8IMF
Valley ARA (VA)	74,886	5	W4XD	—
Brightleaf ARC (NC)	71,796	5	—	—
IBM Owego ARC (NY)	71,778	5	—	—
Lake Success RC (NY)	55,036	7	WA2ISH	WA2DZD
Rip Van Winkle ARS (NY)	49,506	3	—	—
Columbus ARC (GA)	46,702	3	—	AK4T
Fresno ARC (CA)	25,690	3	—	—
Bay Area ARC (MI)	23,254	3	—	—
Missouri Western ARC	14,316	3	—	—
Albany ARC (NY)	9,816	3	W2UU	—

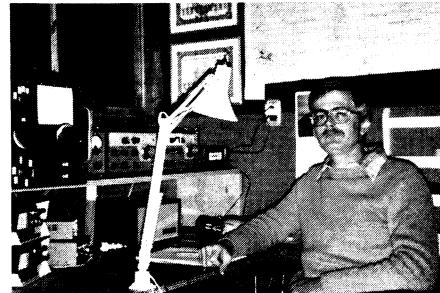
Overall, the logs were neater, had fewer duplicates, and fewer call sign/exchange errors than last year. Even the number one scorers overlook a few duplicates, no matter how carefully the logs are checked. W2GD had one and KP4RF had three, showing you can't be perfect and number one at the same time.

A lot of extra effort went into the SS log checking, score typing and associated paperwork this year so the results could make the April issue. Special thanks to Arlene Duguay again this year for the necessary typing of the score listings.

#### Soapbox

Murphy took a different form with me this year. After making sure that I had no weekend commitments, I was flattened with the flu during the cw

weekend. But, lacking common sense and being more than a little stubborn, I made a stab at it anyway. P.S. don't touch the logs—oops! Too late! (K8MN). Fifty QSOs were plenty for this old fogey. I figured, let the young hot shots fight it out until the last second (W2FSL). Who says there is no such thing as beginner's luck? First SS ever and made a clean sweep. Being in South Carolina is almost like being rare DX (W4MPY). Was nearly wiped out when Halloween pranksters covered the tower with pink toilet paper (W1GNC). You haven't lived until you've tried the SS using all indoor antennas in a ground-floor apartment in Alaska. It's kind of like yelling for help from a life raft in the middle of the ocean. If you yell long enough, somebody will hear you (KL7EO). I developed a new contest named the *Sleepstakes*. It begins 0301 UTC November 7 and ends when you get up. You may operate the full time period with no time-outs (WB3JGP). Administered a Novice written exam during a "break" in my SS operation (WA2JCX). Very tough for 5 watts (WA0PED). In the phone portion of the SS, never use standard phonetics. You must think up something clever that will catch



VE3AKG is still trying to figure out how he missed Utah on cw. Even so, his low power station finished no. 1 in the Ontario section.



Despite nervousness over his first contest, Shawn (KA2BSC/N) picked up seven new states.



VE4OY no. 1 low power Canadian Division phone and cw

everyone's attention. My QSOs per hour picked up after I changed from "Delta Juliett Whiskey" to "Delicious Juicy Watermelon." It's silly, but it helped (WD5DJW). Being licensed in 1935 caused some problems. About 80 percent of the time I had to repeat my check. They wouldn't believe 35 and wanted it to be 55 or 75 (K9NA). A really wild and crazee . . . contest! (WD4MYD). Can anyone tell me the odds of working a KL7, a VE8, two Wyoming stations, and a JA1 without even hearing a station in my neighboring state of West Virginia? (K4EMX). When you think that you hear "CQ SS" coming from the showerhead — you know that you've had enough! (N0TT). You can't have your station powered up then have your wife plug in the curling iron, electric rollers, and hair dryer. You tend to loose points groping in the dark for the breaker (K0WA). Once upon a time, in the kingdom of OYW, there lived a king. And on a certain weekend in the 11th month, the king had decreed that all the peasants must vacate their homes and observe a royal holiday. And all the peasants obeyed their king. Which is why this humble station, in a bid to work all 75 sections for a clean sweep, did not achieve that goal! (VE3XJ). Sure wish that the FCC's computer programmer had to dupe these logs by hand (K8KT/WB8SAW). I had always escaped Murphy during the SS, until this year. After a few hours of SS-cw, Mr. Stomach decided to empty himself. Result: 16 extra hours of rest and a lot fewer QSOs (K0MPH).

**Top Ten Phone**

<i>Single Operator</i>	<i>Low Power</i>	<i>Multioperator</i>	
KP4RF	333,600	N5DX	197,100 K1GZL 231,150
W7KW	306,150	WB6SHD	169,950 W6JZU 223,350
W6HX	290,250	K7JVR	166,950 N1MM 219,600
VE5DX	289,050	W7UV	166,200 K0WA 218,300
K0RF	282,450	K4XU	160,950 K5RX 217,650
K0CL	282,150	WA0LKL	153,300 W1XX 211,640
K2TR	276,150	W2KI	151,950 WA2ECA 209,850
K7RI	275,132	N0MC	148,650 W6YX 208,680
K0ZZ	274,800	N1YY	146,400 K1XA 206,700
W7ZQ	273,450	VE4OY	145,950 N6RZ 204,832

**Top Ten CW**

<i>Single Operator</i>	<i>Low Power</i>	<i>Multioperator</i>	
W2GD	180,264	AA7A	147,704 WA2ECA 141,766
W6HX	177,896	K5MR	141,932 K0WA 140,976
K3UA	177,450	K4XU	141,300 W4AQL 140,306
K1GQ	177,304	N4DW	137,850 WB8JBM 138,380
W7KW	177,098	N0NO	136,080 W9YH 132,192
N6TR	177,008	W2CS	135,926 K8ND 131,984
K6RR	176,712	VE4OY	135,648 N1MM 131,066
N4RR	175,346	K0DJ	135,216 W8XU 128,316
K3LR	174,324	WB5YEM	131,128 K6AYA 125,208
VE7CC	173,550	W0ETT	129,352 N6TA 121,212

Used SS as a training exercise for some of my Field Day gang. Look out, FD! (N4WA). No sooner had the cw contest started than TVI troubles developed with the gentleman next door. I noticed that his outdoor antenna (TV) had a long feed line and the antenna and feed line were both very close to my 20-meter beam. I invited him to try my "rabbit ears" TV antenna, since they worked fine on my TV with no TVI. The neighbor's TV worked fine with no trace of TVI with the "rabbit ears." He asked me where he could buy such an antenna. I told him to keep mine. Cheapest TVI cure that I have found yet (WB4HNH). Can't believe that Iowa kept me from a clean sweep on phone to go with the one that I got on cw. North Dakota, VE8, or Wyoming, yes, but Iowa? (WB4FOT). Many great phonetics in use in the phone SS (N6IG). Received many points and lots of support from stations who weren't actively in the contest, especially around the 1900 to 2100 QSO mark, in the last three hours of the contest. Never would have broken 2000 Qs without all those guys on 10 and 15 meters who helped me out (W7KW/W6TPH). The SS truly does strange things to one's mind. For instance, I heard one poor sap calling "CQ FD, CQ FD . . ." (WB0VGN). Attempted a microprocessor-run duping system, but rf was leaking in and wouldn't leak out. So by 2200 UTC on Saturday, it was back to CD-77 (K2ZWI/WB2PJM). Cw SS is one of the only things worth missing Saturday Night Live for . . . (N5APQ/N5AAU). A beam, a beam, my kingdom for a beam (N2OM). How about proposing a 24-hour SS, kinda like Field Day, but with just *one* break permitted in the 30-hour period. The break would be anything from 0 hours to 6 hours, thus giving "float time" at the beginning, during and at the end for anyone who wants to do it (N6CJ). Got home at 2055 UTC and had to use the hair dryer to warm up the rig! (WD8OKL). The 45th SS was quite an event. Over the years I don't recall how many times I've sent in an SS log, but it sure has to be quite a number in all. Thinking back to when it was a two-weekend affair, I find myself wondering which format that I like best. Perhaps the present setup is best, but in past times you had a second chance to contact those few remaining sections that had not been worked. I'm not complaining though, because every SS included, I don't think I've called "CQ SS" over a dozen times in all (VE3ACB). How someone can work a contest and think at the same time I'll never understand (WD9HZK). Those new calls sure are fun! If KIRT (K1RT) should KILL (K1LL) Ninety-Four Wild Women (N4WW) or Ninety-Five Wild Women (N5WW), a COP (AC0P) may KLIK (K1IK) him in jail, but if he KIST (K1ST) them instead, then he may get a lot of ACID (AC1D) stares or be told to fly his KITO (K1TO)! (K8DD). Families do not understand SS — they still want to eat! (N9YL). Sweepstakes happiness is sending no. 71 20 minutes before the end of the contest . . . and getting back an even lower

number! (WA2SEL). I operated the last two Sweepstakes as KL7JUN, running a kW. Quite a difference being just another 5, running 3 watts. I would propose a category for most points per watt. That would be my only chance to win anything. My total would be 4554.67. A kilowatt station would have to score over 4 million points to beat me (AB8N/5). Think that I was the oldest op participating in the SS from the Western New York Section. Age is 76. The old man had a ball (W2GA). Standard of operating throughout was excellent, but never have I heard so many amateurs in such a short time stumble so much with their keyers (VE3KK). Too bad making a clean sweep has to involve working third-world multipliers like South Carolina, Mississippi and North Dakota, not to mention Panama, whoops, Canal Zone (K1TN). Biggest thrill was keeping pace with many of the "Big Guns" through the first hours of the contest, despite my lowly power (180 watts) and lowly (25 feet) antennas (N9BT). QSO number 15 was with KA9AOD who was sending cw about 15 wpm. When I heard him a little later on, he was doing about 35 wpm. Best improved fist (WD6DTN). I missed the propagation charts for SS like you had for last year's contest. But it didn't seem to matter much as condx were excellent here (WA8MAM). We've discovered that it is increasingly hard for a class "A" station, using dipole antennas to break a station that makes quick QSOs, running "B" power . . . maybe using different portions of the bands would help. Example: The first 50 (or so) kHz of each band would be reserved for class "A" stations and the rest for class "B," with "intermingling" as desired by the participants (WB5ZRN/WBSUXL). My check log looks like something from King Tut's tomb (K7MM). Working from a rare state (VT) is not such an advantage — every other guy wants QSL info. Very time-consuming. QSL to WB2JSJ (WB1GQR).

**Feedback**

The gremlins came out of the woodwork in last year's writeup. Cw — K9BGL with a score of 118,854 and K9BG with 116,948 points disappeared from the Illinois listings. N9TI was incorrectly noted as K9TI. N6NE was the low-power leader in the East Bay. WB1ALW/N's number three Novice score wasn't properly credited. WB5TGL/N was overlooked as the number five Novice scorer and WD0BNL/N was listed as BML.

Phone — K1XX should have been credited with a score of 221,408. Great Lakes Division Leader W8KIC had WB8MZ at the mic. K5HWO should have been credited with 118,500 points (number 2 in Oklahoma). N6NB was the Southwestern Division multiop leader. The W9CIS entry was a multiop effort by Explorer Post 373. W9OBF had 135,050 points for his low-power Central Division record score.

Clubs — The Gloucester County RC score was

**Clean Sweep***Phone and CW*

K1RT	K2TR	N4DW	W6JZU
K1KI	N3AD	W4DM	K6FB
W1ZM	K3RA	AE5L	W6BIP
W1BIH	K3UA	K5TM	AC7P
K1VR	K3FR	W5AC	N7AM
W1OO	WB4SKI	K5GA	K8LX
K1RX	K4XU	W6BH	N3ER/8
K1BW	K4PJ	N6KB	K8MFO
W2PV	K4VX	N6BT	W9RW

**How was your first hour?**

<i>CW</i>	<i>QSOs</i>	<i>Band</i>	<i>Phone</i>	<i>QSOs</i>	<i>Band</i>
W2GD	81	10/40	KP4RF	80	10/15
W6HX	73	15	W7KW	140	10
K3UA	91	40	W6HX	113	10/15
K1GQ	83	40	VE5DX	123	10/15
W7KW	76	10	K0RF	130	10/15
N6TR	81	15	K0CL	133	10
K6RR	74	10	K2TR	107	10/15
N4RR	60	20	K7RI	114	10/15
K3LR	73	15/20/40	K0ZZ	117	15
VE7CC	75	10	W7ZQ	130	10

666,908 (23rd) with WB2OSQ the club phone winner. The Central Michigan ARC phone certificate winner was W8VPC giving the club 536,988 points (30th). The Radio Club of Tacoma score was really 505,696 points (31st) and W7BUN claimed the club honors.

Apologies to all for the errors.



K0DG (K0DG at the logging terminal) no. 2 multiop Nebraska phone.



Jack (WB7VBC/N) picked up 12,642 points from Idaho on cw.



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W4ZM	40,716- 351-58- 8-B	AB8N/5	13,664- 122-56-18-A	W6OPO	10,560- 110-48-17-A	W7LT	7428- 86-49-11-B	WD8CEG(+K8UE,WD8s,OUP O UQ)		
WD4ECK	36,934- 313-59-15-B	K5BZU	10,710- 119-45- 9-B	WA6BZT	8,712- 99-44-10-A	WB7PWOE/T	7428- 87-36-12-A	WD8ECT(+WD8ECU)		
K4EBY	36,300- 330-55-13-B	WB5GMB	10,290- 105-49-10-A	AA6PZ	3,000- 50-30- 3-B	WB7PK	5460- 65-42-16-A	WD8ECU(+WD8ECU)		
W3V7/4	35,700- 291-53-13-B	A55K	10,330- 170-53- 9-B	WB6DFX	2,300- 36-32- 5-B	K7ZU	5,200- 74-37-18-A	WD8ECU(+WD8ECU)		
W4XP	34,404- 564-61-20-B	WB5JJS	10,330- 170-53- 9-B	WB6DZJ	1,080- 20-26- 6-A	K7ZMR	4,736- 63-37-10-A	WB8DSG(+K8BBM,WD8s,OUP O UQ)		
K4ZD	33,768- 268-63-15-A	W5DJS	2,240- 40-28-13-A	WA6AD	144- 9- 8- 2-A	K7UN	4,140- 92-45-11-A	RPF(+WD8ECU)		
W4EZI	30,996- 246-63- 8-B	WB5JML	1,656- 36-23- 7-A	N6TA(+N6s KT VQ)	1,040- 9- 8- 2-A	WT7WL	1,920- 40-24- 6-A	22,512- 201-56-18-A		
K4ZA	27,156- 186-73-14-B	N5AOV	1,036- 37-28-13-A	N6TA(+N6s KT VQ)	1,21,212- 819-74-24-B	WA7TTD	672- 21-16- 5-B	K8CDM(+WA8VJB)		
WA1LJP/4	25,970- 249-53-23-A	N5RF	810- 27-15- 5-A	N6RZ(+AA6,WA6OCE,WB6CJE)	91,908- 666-69-21-B	K7WPC(+WB7PQ)	18,792- 324-58- -A	WA8OWG(+W8YD)		
K4GEL	25,856- 202-64-17-B	K5KG(+AD5Y)	83,070- 585-71-21-B	WB4BAX,NA7VW,N7VW	91,908- 666-69-21-B	Utah	16,770- 215-39-22-A	N8HT(+WD8CGN)		
W4WD	24,522- 201-61- 8-A	N5AAU(+N5A7Q)	47,180- 337-70-17-B	WB7PQ	11,906- 16-626- 16-A	WD8CSA(Multi)	16,626- 163-51-17-B	WD8CSA(Multi)		
K4SAD	21,518- 203-53-12-A	<b>Canal Zone</b>								
K4JK	19,836- 174-57- 9-A	K25FR	138,262- 947-73-24-B	AA6G(+WD6AGJ)	112,700- 814-70-23-A	N7DF	11,906- 207-58-17-A	K8TI(+K8s AQM T1,K8ALH)		
N4RA	16,912- 151-56- 4-A	K25JM(K1MM,opr)	115,950- 773-75- -B	WB7LSQV	22,230- 195-57-12-A	WB8DSG(+K8BBM,WD8s,OUP O UQ)	11,906- 207-58-17-A	WB8DSG(+K8BBM,WD8s,OUP O UQ)		
W4ZR	16,598- 193-58- 5-B	K6MA(+N6s IA KV,WB6YV2)	98,208- 682-72-23-B	W7QL	7030- 95-37-16-A	KLP KLQ	11,562- 141-41-24-A	KLP KLQ		
W4VYN	12,500- 125-50- 4-B	K6FB(WB6JGS + Net)	68,600- 490-70-23-A	W7W	99,729- 693-72-24-A	WB8UHS(+KA8AY,WB8WIM)	9,700- 103-45-22-A	WB8UHS(+KA8AY,WB8WIM)		
WA4VYN	11,220- 110-51-11-A	WB6EPV(+WB6CBJ)	63,918- 477-67- 7-B	WB7Q	95,200- 680-70-23-B	WB8UHS(+KA8AY,WB8WIM)	9,700- 103-45-22-A	WB8UHS(+KA8AY,WB8WIM)		
K4DSL	6,843- 87-37-10-A	WB6JBJ	166,056-1122-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)	9,700- 103-45-22-A	WB8UHS(+KA8AY,WB8WIM)		
WD4JHY/N	11,136- 116-48-20-A	N6TV	159,300-1062-75-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)	9,700- 103-45-22-A	WB8UHS(+KA8AY,WB8WIM)		
N4AHF	11,776- 92-39-20-A	WB6JCF	187,000-1007-75-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)	9,700- 103-45-22-A	WB8UHS(+KA8AY,WB8WIM)		
K4KVE	6,650- 87-37-10-A	WB6JCR	150,088-1028-73-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)	9,700- 103-45-22-A	WB8UHS(+KA8AY,WB8WIM)		
W4EIJ	5,208- 84-31- 2-B	N6TV	148,148-1001-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)	9,700- 103-45-22-A	WB8UHS(+KA8AY,WB8WIM)		
WA4FKK(+W3DJ)	89,880- 642-70-22-B	K6XO	139,500- 930-75-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)	9,700- 103-45-22-A	WB8UHS(+KA8AY,WB8WIM)		
6	69,296- 488-71-24-A	N6OP	136,948- 938-73-24-B	WB6UAZ	17,056- 164-52-11-A	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)		
West Indies	N6KB	136,368- 947-72-24-B	AA6EE	240- 12-10- 1-A	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)	9,700- 103-45-22-A	WB8UHS(+KA8AY,WB8WIM)	
KG4KG	96,276- 678-71-24-B	K6PJV	105,080- 740-71-23-A	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)	9,700- 103-45-22-A	WB8UHS(+KA8AY,WB8WIM)		
5	N6NE	99,990- 666-75-23-A	WB6B(N6KL,opr)	WB6DIL	103,944- 732-71-21-B	N6BV	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
Arkansas	K5GO	171,600-1144-75-24-B	WB6ZEP	28,416- 222-64-14-A	N6CQ	84,750- 565-75-24-A	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)	
W5VEM	136,200- 908-75-22-B	WB6DH	8190- 91-45- 9-B	WB6DZQ	117,822- 807-73-24-B	N6DV	149,328-1037-72-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
WB5WQO	36,736- 486-64-19-B	K6ZM(+WA6DGJ)	43,520- 340-64-17-A	WB6DZQ	117,822- 807-73-24-B	N6DV	149,328-1037-72-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
WD5DJW	10,670- 127-42-24-A	K6ZM(+WA6DGJ)	39,128- 250-64-17-A	WB6DZQ	117,822- 807-73-24-B	N6DV	149,328-1037-72-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
W5HSX	8,692- 106-41-12-A	K6ZM(+WA6DGJ)	39,128- 250-64-17-A	WB6DZQ	117,822- 807-73-24-B	N6DV	149,328-1037-72-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
W5EIJ	2,352- 49-24- 3-B	A16V(+K6OYE)	88,324- 622-71-24-B	WB6DZQ	117,822- 807-73-24-B	N6DV	149,328-1037-72-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
WB5VIO	2,268- 487-22-12-A	WB6E1Z(+WD6FGA)	198- 11- 9- 4-A	WB6DZQ	117,822- 807-73-24-B	N6DV	149,328-1037-72-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
Louisiana	K5OA(K5KU,opr)	147,260- 995-74-24-B	WB6WQ	27,248- 262-56-16-A	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)	
Los Angeles	WB6WQ	177,896-1202-74-24-B	WB6WQ	153,208- 846-74-24-B	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)	
7	WB6WQ	18,208- 813-73-23-B	WB6WQ	153,208- 813-73-23-B	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)	
New Mexico	N6IC	18,600- 160-24-16-A	WB6WQ	18,208- 813-73-23-B	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)	
WA5YTX	123,954- 849-73-20-B	N6QH	13,570- 115-59- 7-A	WB6WQ	18,208- 813-73-23-B	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
AA5B	92,300- 650-70-21-A	WB6WQ	13,570- 115-59- 7-A	WB6WQ	18,208- 813-73-23-B	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
W5YZ	90,450- 603-75-18-A	WB6WQ	3,984- 50-33- 9-A	WB6WQ	18,208- 813-73-23-B	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
WD5JYU	35,490- 273-65-23-A	N6AA	3,900- 50-33- 9-A	WB6WQ	18,208- 813-73-23-B	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
WB5VIO	29,412- 258-57-22-A	WB5DJJ/V	2,100- 84-25-13-A	WB6WQ	18,208- 813-73-23-B	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
K8TE/5	198- 11- 9- 1-A	N6HE(+WB6KWU)	93,832- 634-74-24-B	WB6WQ	18,208- 813-73-23-B	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
Northern Texas	N6MI(+AA6W)	17,061- 37-23-B	WB6WQ	87,724- 594-73-24-B	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)	
N5JB	158,360-1070-74-24-B	WB6WQ	17,061- 37-23-B	WB6WQ	87,724- 594-73-24-B	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
W5MYA	148,336-1016-73-20-B	WB6WQ	17,061- 37-23-B	WB6WQ	87,724- 594-73-24-B	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
K5RHZ	142,524- 963-74-24-B	J6E	82,344- 564-73-24-A	WB6WQ	17,061- 37-23-B	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
K5MR	141,932- 859-74-24-A	WB6YRA	110,852- 749-73-24-B	WB6WQ	17,061- 37-23-B	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
K5NW	136,800- 950-72-24-B	N6GP	110,852- 749-73-24-B	WB6WQ	17,061- 37-23-B	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
N5PT	131,760- 916-72-24-B	K6GL	58,380- 417-70-23-A	WB6WQ	17,061- 37-23-B	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
K5KJ	104,000- 707-74-21-B	WB6EHL	44,380- 317-70-23-A	WB6WQ	17,061- 37-23-B	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
WB5PRU	75,744- 526-72-22-A	K6ZM(+WD5HDX)	12,144- 138-44- 6-A	WB6WQ	17,061- 37-23-B	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
AF5K	56,050- 475-59-17-B	K6ZM(+WD5HDX)	176,100-1194-74-24-B	WB6WQ	17,061- 37-23-B	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
K5ME	55,648- 376-71-21-A	K6RR(+N6CJ,opr)	109,303- 150-59- 7-B	WB6WQ	17,061- 37-23-B	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
N5XU	54,604- 127,37-20-B	K6WI	109,303- 150-59- 7-B	WB6WQ	17,061- 37-23-B	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
N5AU	50,310- 387-65- 7-B	K6WGF	109,303- 150-59- 7-B	WB6WQ	17,061- 37-23-B	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
K5SSR	44,588- 131-16-16-A	N6NJ	16,300- 163-50- 7-B	WB6WQ	17,061- 37-23-B	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
K5DX	39,000- 152-50- 7-B	WB6DCUT	14,112- 144-49-20-A	WB6WQ	17,061- 37-23-B	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
N5BT	38,940- 295-66-17-A	N6HK	5920- 7440- 5-B	WB6DCUT	14,112- 144-49-20-A	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
K5JA	35,912- 217-67- -B	WB6DFL	5320- 708-38-20-A	WB6DCUT	14,112- 144-49-20-A	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
K5MC	28,792- 236-61-11-A	WB6DFL	4,238- 62-62- 4-A	WB6DCUT	14,112- 144-49-20-A	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
N5EX	20,680- 188-58-13-A	WB6DFL	4,238- 62-62- 4-A	WB6DCUT	14,112- 144-49-20-A	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
WD5CHD	20,564- 194-53-16-A	WB6DFL	159,300-1036-75-24-B	WB6DCUT	14,112- 144-49-20-A	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
WB5DHD	12,784- 136-47-12-A	N6EY	167,700-1118-75-24-B	WB6DCUT	14,112- 144-49-20-A	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)
AD5F(+WD5GPK,W5EAT)	10,300- 103-50-18-A	N6EY	167,700-1118-75-24-B	WB6DCUT	14,112- 144-49-20-A	N6EYA	153,624-1038-74-24-B	WB7Q	76,520- 705-75-24-B	WB8UHS(+KA8AY,WB8WIM)</td

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W9LNO	36,260- 245-74-19-A	WB9VOG	180- 10- 9- 6-A	K9DJ	135,216- 939-72-24-A	W9YCR	105,760- 785-68-21-B	North Dakota
W9REC	28,400- 200-71-21-A	WD9FEP	144- 9- 8- 5-A	W9ETT	129,352- 874-74-24-A	W9XPS	85,100- 680-68-15-B	
WB9SMU	25,048- 202-62-21-A	W9YB(WB4ANNO,K9HI,N9S NB NC,	W9YK	111,754- 787-71-24-B	K9FZG	84,956- 634-67-24-A	AE9E	85,492- 638-67-23-B
WD9ADH	23,112- 214-54- 7-A	WB9S PUM YEH,ops)	N9DV	96,832- 712-68-22-A	K9BR	66,732- 498-67-24-A	K9FRP	83,776- 616-68-21-A
WB9VJN	21,890- 199-55-10-A	WB9NCM(+WB9OSJ)	AC9S	70,148- 494-71-18-B	W9ROE	63,280- 452-70-19-A	WB9VUJ	28,396- 229-62-17-A
K9LJN	19,020- 180-53-19-A	WB9VJN(+WB9OSJ)	W9LQ	55,610- 415-67-12-A	N9AJJ	48,280- 355-68-21-A	W9TB	28,272- 228-62-11-A
W9HPG	17,914- 160-45-10-A	WB9VJN(+WB9OSJ)	W9NW/9	28,022- 226-60-16-A	W9DPH	42,966- 358-60- 9-A	WD9ECS	8260- 118-35- 8-A
W9KTB	15,980- 170-47-10-A	W9NAA(N8RK,N9L,ops)	W9SG	18,224- 136-67- 9-A	W9DPA	41,518- 314-65-11-A		
N9NN/9	15,548- 169-46-17-A	WB9VJN(+WB9OSJ)	W9GO	16,060- 146-55-10-A	WB9UKI	37,052- 314-59-19-A		
N9TI	11,880- 135-44- 3-B	WD9HY(-W9DHIZ)	W9Q	111,754- 787-65-22-A	N9BU	36,112- 296-61-14-B	K9ZZ	171,828-1161-74-24-B
WD9IFD	11,782- 137-43-13-A	WB9VJN(+WB9OSJ)	W9Q	14,560- 140-52-24-A	W9UBT	26,082- 207-63-11-B	WB9VGN	61,410- 445-69-18-A
W9JW	11,520- 96-61- 9-B	K9IU(WA2S BIJ ECZ,W3EP,	K9CLS	5476- 74-37- 9-A	W9OPL	15,198- 145-51- 9-A	K9JV	58,355- 429-68-18-A
K9KD	11,320- 128-43- 9-A	WB5F1D,WB9VVV,ops)	AB9G	3200- 50-32- 6-A	W9CNQ	10,100- 109-50-14-A	K9HP	8036- 98-41- 5-A
K9LW	10,360- 148-35- 9-A	10,164- 121-42-10-A	WD9DJH	2900- 50-29-18-A	W9AGW	9,696- 101-48-21-A	K9OR	440- 22-10- 4-A
W9LBQ	7,920- 88-45- 9-A	N9AE(+WB9TGA)	N9AE(+WB9TGA)	18,054- 177-51-12-B	KA9ASU/N	10,100- 101-50-14-A	WD9EMB(+WD9CXU)	48,374- 361-67-16-A
WD9HTM	6,142- 133-37-15-B				K9AVW	7200- 100-36- 4-A		
K9JA/9	5,822- 71-41- 3-A				W9YHE	2700- 50-27- 6-A		
K9U	4,026- 61-33- 3-A				WA9QWY	112- 8- 7- 2-A	VE	
KA9ALR/N	3520- 63-28-10-A	W9NA	147,600- 984-75-23-B	Iowa			Quebec	
W9IB	3220- 54-28-10-A	K9BN	107,550- 718-75-22-B	N9GA	156,300- 1042-75-24-B	K9TK(+WB9FVFBGDB)		
WB9TBU	3300- 50-33- 9-A	WB9CFW	108,000- 708-75-22-B	K9MM	147,556- 997-73-24-B	WB9ONK(+WB9UIP)	93,300- 668-70-18-B	
W9AGM	3000- 50- 3-A	N9UR	96,652- 662-73-24-A	WA9VFK	139,138- 053-73-24-B	W9MNN(+WB9RSW)	84,632- 596-71-24-A	
W9ZEN	2400- 50-24- 6-A	WB2WOE/9	93,456- 649-73-22-B	W9EJ	137,824- 944-73-24-B	K9LTC(K9GRA,N9AKZ,W9UBT,		
N9YL	1040- 40-26- 4-A	W9OC	92,016- 639-72-24-A	K9US	100,100- 715-70-23-A	WB9FBN GPR MC9 SNG SNP,		
K9PW	396- 18-11- 1-A	WB9UAI	88,128- 612-72-24-A	W9U	91,020- 615-72-24-B	W9DBQ	605-71-21-A	
K9AT	288- 16- 9- 2-A	WB9WGH	64,512- 504-64-24-A	W9L	90,932- 605-71-21-B	WD9BQX	44,352- 352-63-24-A	
WA9WXC	180- 10- 9- 2-A	WB9WQ	61,166- 449-71-16-A	N9BB	41,400- 300-69-19-B	WD9GKG(+WD9GEN)	20,458- 193-53-18-B	
W9YH(WAD9O,K9s GL MK PW VV,	WB9SQN	57,572- 389-74-21-A	WB9UPC	40,068- 318-63-15-B	W9QWS	91,908- 666-69-21-A	Ontario	
WD5BVQ,ops)	132,192- 918-72-24-B	WB9EJE	56,280- 420-67-14-A	K9IN	38,908- 274-71-20-A	VE3AKG	121,656- 822-74-24-A	
N9JF(+WA9QNM)	75,550- 494-75-21-A	WB9WWT	39,780- 306-65-20-B	WB9WP	34,800- 232-75-15-A	VE3DAP	84,000- 600-70-23-A	
K9GS(+W9PK,WD9IOW,net)	70,574- 497-71-24-A	WB9TF	37,800- 290-65-20-B	WB9WDE	31,100- 222-68-13-A	VE3GCE	82,368- 572-72-22-A	
WB9TXO(N9BB,WB9AGY,	WB9VOZ	37,780- 289-65-20-B	WB9CV	31,150- 200-65-13-A	VE3JTP	47,748- 346-69-17-A		
WD9EMA,WA9QNM,ops)	64,416- 488-66-19-B	N9KS	35,760- 298-69-17-B	W9NMU	8460- 90-47-14-A	VE3BZR	43,960- 100-60-13-A	
W9TRC(+WA9QNM)	62,928- 456-69-21-A	WB9BCM	27,000- 270-50-17-A	AD9F	7462- 91-41-4-A	VE3EZ	25,299-61-6-A	
WD9EVV(+WD4FFW,WB9BVW)	3696- 66-28-10-A	WB9VHI	23,408- 209-56-16-A	WB9HWU/N	5796- 69-13-2-A	VE3XJ	26,934- 201-67-14-A	
WB9VHI	20,628- 191-54- 9-A	WB9VII	20,628- 181-54- 9-A	WB9DPB	5168- 68-38-A	VE3ARL	23,232- 176-66-15-A	
WB9EDZ	14,336- 128-56- 9-A	WB9WPE	162- 18- 9- 2-A	WB9EBL	3000- 60-30-1-A	VE3ISO	21,888- 192-70-10-A	
WB9BSO	10,904- 116-47-14-A	WB9WFO	WB9O(AE9R,WA0KV RJJ,Y,WB9	WB9UW(K9FUP)	606-71-19-B	VE3KK	17,700- 118-75-15-A	
WA9HFB	7,800- 100-39-10-A	WB9CQ	69,552- 504-69-24-B	K9IN	42,840- 306-70-20-A	CF3HQV	9100- 100-55-13-A	
WB9IGJ	6,080- 92-37- 8-A	WB9WV	WB9WV	WB9QZD	37,654- 281-67-14-A	VE3ZV	8040- 96-43- 8-A	
WB9IIS	6,080- 100-34-14-A	WB9WV	WB9WV	WB9UDZ	37,062- 261-71-22-A	VE3KQD	1350- 45-30-10-A	
WB9QCP	129,500- 247-74-23-B	WB9EFJ	WB9EFJ	WB9EV	34,100- 275-62-13-A	VE3BMV	50- 5- 1-A	
W9OBF	98,684- 668-74-24-A	WB9AXU	WB9AXU	WB9EVT	14,100- 152-60-21-A	VE3ART/3(VE3s ATD DAO GAS',		
W9L7T(N9NO,ops)	94,752- 658-72-23-B	K9XW	2576- 56-23-13-A	K9XW	128,908- 871-74-21-B	ops)	98,946- 717-69-20-B	
W9JOO	90,872- 619-74-24-A	K9XW	2530- 55-23- 2-A	WB9AOR	104,412- 72/23-24-A	Manitoba		
W9FC	84,184- 619-68-22-A	WB9SVN	19,000- 41-22-1-A	WB9ODT	102,524- 72/21-24-A	VE4OY	135,648- 940-72-23-A	
WB9VJE	75,402- 531-71-23-B	N9AGE	1540- 35-22-10-A	WB9DEF	104,412- 72/21-24-A	VE4XI	24,592- 212-58-17-A	
W9LTU	74,550- 525-71-21-A	WB9WFB	1536- 32-24- 4-A	WB9CQF	14,000- 156-18-A	VE4RRC(VE4s ACJ HAs,ops)	43,560- 330-66-24-B	
WB9LUR	63,364- 511-62-23-B	KA9CHP/N	1040- 26-20- 9-A	WB9R	WB9ARX	Saskatchewan		
K9FW	59,228- 442-67- 9-B	WB9WVB/W	850- 25-17- 4-A	WB9R	12,000- 10-10- 1-A	VE5ABL	55,580- 397-70-16-A	
W9RE	53,060- 379-70-20-B	WB9HTG/N	384- 16-12- 2-A	WB9W	WB9QGK	VE5JQ	8200- 100-41- 9-A	
WB9UKE	45,072- 313-72-17-A	WB9RFK	200- 13-18- 3-A	WB9W	3976- 71-28- 3-A	Alberta		
WA9A9S	43,928- 323-68-13-A	WA9AKV	154- 11- 7- 2-A	WB9W	WB9ZB	VE6ATT	31,388- 266-59-16-A	
WB9JKO	42,480- 295-72-12-A	WB9AYE(WB9VSO,WD9JHU)	20,048- 179-56-18-A	WB9W	2604- 42-31- 4-A	VE6ALD	3280- 82-40-10-A	
WA9TBW	33,600- 200-60-14-B			WB9EE(AE9A,N9AX,W9RAD,	British Columbia			
KA9QOD	31,752- 252-63-24-B			WB9ZB(L,ops)	WB9TBP(+WB9UFJ,WB9AZM)			
WB9GCT	23,836- 202-59-14-A			118,400- 800-74-24-B	NE7CC	173,550-1157-75-24-B		
N9JC	21,430- 215-51-15-B			WB9AZM	WB9UP	VE7ARQ	90,576- 312-74-23-A	
W9QLW	19,344- 156-62- 9-B			133,298- 913-73-23-B	CF3P	46,364- 346-67-19-B		
WB9JVB	13,916- 142-49- 9-A			N9NO	52,272- 363-72-22-A	VE7CMK	34,384- 257-67-12-B	
WB9IZL	13,392- 216-62-12-A			WB9HW	WB9QGQ/N	VE7PW	29,832- 226-66-16-A	
K9KB	9400- 100-47- 8-B			K9JL	15,290- 139-55-13-B	W9OPL	20,048- 179-56- 6-A	
W9CM	700- 25-14- 2-A	WB9PCP	154,760-1060-73-24-B	WB9UC	12,220- 130-47-14-A	VE7CGN	18,200- 182-50-17-A	
		K9II	109,938- 753-73-24-A	WB9A	WB9BHT(+K9ODF)	VE7CMF	31,248- 248-63- -A	
				13,568- 128-53-16-A	WB9CPT/7	31,568- 128-53-16-A	VE7CPT/7	28,272- 228-62-19-A

K8ND (K8NU at the controls) no. 6 multiop cw

K8LX no. 1 Great Lakes Division phone

WD4OIX no. 1 low power, phone Southeastern Division

## Phone Scores

K1VTH	61,776- 429-72-13-B	K1XA(+W1GNC)	195,900-1306-75-24-B	W1PLJ	16,960- 160-53-11-B	New Hampshire
W1TCJ	60,480- 420-72-12-B	WB1ADR(+K1A1RB,WB1HZ)	206,700-1378-75-24-B	W1GXT	13,200- 140-55- 8-A	K1GQ(K1DG,opr)
K1KI	55,500- 370-75- 8-B	WB1ADZ	28,842- 253-57-14-B	N9NO	15,400- 140-55- 8-A	231,150-1541-75-24-B
W1WEF	50,662- 347-73-14-A	WB1ADZ	N9NO	WB1GDDY	8306- 85-33- 7-B	K1RJ
K1EB	48,248- 326-74-10-B	WB1ADZ	WB1ADZ	W1RJ	5610- 51-28- 1-B	202,050-1347-75-24-B
W1EWRG	47,000- 306-66- 9-A	WB1ADZ	WB1ADZ	W1RJ	2855- 51-28- 1-B	W1RR(K1EA,opr)
W1WXX	43,680- 336-65- 9-A	WB1ADZ	WB1ADZ	W1RJ	162- 9- 1-A	
W1WXX	43,166- 325-61-14-A	K1TA	WB1ADZ	W1RJ	162- 9- 1-A	K1OK(X1OME,opr)
WB1DU	41,600- 325-64- 8-B	K1VR	WB1ADZ	W1RJ	162- 9- 1-A	1674- 773-69-10-B
K1BV	41,600- 325-64- 8-B	WB1ADZ	WB1ADZ	W1RJ	162- 9- 1-A	N1OM
K1DD	40,392- 306-66-12-A	WB1UZH	WB1ADZ	WB1ADZ	52,780- 406-405-10-B	WB1ADZ
N1ADE	40,032- 278-72-14-A	N1HR	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ
WA1JUA	37,808- 278-72-14-A	N1HR	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ
WB1VEC	33,600- 243-66- 9-A	N1HR	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ
WB1VEC	32,154- 233-69- 8-B	N1HR	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ
N1CC	30,940- 238-65- 8-B	N1HR	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ
WB1FNU	29,118- 211-69-14-A	N1HR	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ
WB1FNU	27,324- 253-4-16-A	N1HR	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ
K1ITN	26,050- 147-75- 8-B	N1HR	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ
WB1BKH	19,596- 142-68- 9-B	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ
WB1BKH	18,270- 145-63- 3-B	N1EB	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ
K1WVJ	13,156- 143-46-13-A	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ
WB1FNU	9250- 125-37- 6-A	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ
WB1FNU	81,350- 229-10-16-A	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ
WB1FNU	79,000- 219-10-16-A	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ
WB1FNU	76,700- 219-10-16-A	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ
WB1FNU	75,400- 219-10-16-A	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ
WB1FNU	74,444- 503-14-16-A	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ
WB1FNU	72,500- 510-75-13-B	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ
WB1FNU	71,240- 503-14-16-A	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ
WB1FNU	69,000- 503-14-16-A	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ
WB1FNU	67,800- 503-14-16-A	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ
WB1FNU	66,600- 503-14-16-A	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ
WB1FNU	65,400- 503-14-16-A	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ
WB1FNU	64,200- 503-14-16-A	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ
WB1FNU	63,000- 503-14-16-A	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ
WB1FNU	61,800- 503-14-16-A	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ	WB1ADZ

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NIDM	26,230- 215-61- 8-A	WA2OMY	103,660- 710-73-19-B	WB3KNJ	11,760- 120-49- 9-A	AA4GA	74,850- 499-75-13-B	K4AF(WB3DNL,opr)	
NAIGU	19,268- 112-56-12-A	AA2Z	95,480- 740-74-15-B	W3DZH	10,600- 100-53- 7-A	A14X	38,360- 274-70-22-A	187,902-1287-73-24-B	
K158	16,880- 160-53-12-A	NA2M	99,900- 600-74-15-B	K3EYH	10,800- 100-53-11-A	A14T	34,780- 273-75-19-A	172,800-1152-75-22-B	
KIYI	15,134- 161-47- 6-B	W2PAU	72,720- 502-72-17-B	K3TW	7500- 100-53-11-A	K21EK/4	22,300- 227-75-22-B	K4YF(K3KU,opr)	
WIRFQ	8378- 71-59-12-B	W2FGY	71,632- 484-74-24-B	K3ECV	7254- 93-39-10-A	WB4YBE	20,240- 184-74-14-B	127,750-1025-75-18-B	
NRI	288- 53-27- 1-A	WA2WJL	68,728- 484-71-15-A	K3AGU	6670- 115-29-12-A	WD4MYD	18,644- 158-59-10-A	147,150- 781-75-22-B	
KA1BDI/I(+KA1ASL,WB1EHO)	28,224- 224-63-15-A	WA2KOK	60,480- 420-72-20-B	WB3IOV	5180- 70-37- 3-A	WD4DGZ	18,544- 152-61- 8-A	144,600- 945-71-25-B	
WB#ICS/(+WA1EV)	17,056- 164-32-14-A	WA2NBM	51,240- 366-70-23-B	K3ND	3658- 59-31- 3-A	WD4NAE	15,048- 132-57- 7-A	WB4BVY	
WB#ICS/(+WA1EV)	17,056- 164-32-14-A	WA2UVB	39,440- 440-72-20-B	WB3MKB	2914- 47-31-11-A	K4BAM	13,794- 121-57- 6-A	N4DW	
<b>Vermont</b>		WB2CWB	34,816- 272-64-16-A	K3R3	160- 34-11-A	AA4AT	10,856- 118-46- 4-A	W4EI	
WB1GQR(WB2JSJ,opr)	182,400-1216-75-24-B	K2TD	31,720- 244-65- 8-B	W3EVW	1240- 31-20- 2-B	WB4XW	10,170- 100-45- 6-A	K4PQL	
K1IK	170,200-1150-74-20-B	N2ALA	31,248- 252-62-10-A	WA3RWN	832- 26-16- 3-A	K4YRYA	11,150- 781-75-15-B		
WB1BZR	20,520- 190-54- 9-A	W2FJE	25,260- 200-72-12-B	K3UC(+K3s SY VDU,WB3VQK)	20,240- 184-74-14-B	WB4YBE			
WB1ELC(+K1WB)	187,200-1248-75-22-B	WA2RCB	22,790- 215-53- 8-A	WB3EVL	131,400- 876-75-24-B	WB4YBE			
WA2HRL/1(+WA2IMG,WB2ADM)	53,176- 391-68-24-A	WB2PHD	21,112- 203-52-16-A	WB3CIW(Multipl.)	56,160- 390-72-22-B	WB4YBE			
EJG)		K2HPV	17,970- 155-58- 9-A	WB3ZGD(B3s BLR ERZ EWA)	54,604- 374-73-24-B	WB4YBE			
WB2LWL	12,232- 139-44- 2-B	WB2Y	30,940- 221-70-12-B	WB3KHE(+WA2PHW,WB3KHF)	47,580- 366-65-24-A	WB4YBE			
K1RQ	102,150- 681-75-18-B	WB2PHD	10,556- 203-52-16-A	CWZ IOV KFH(ops)	20,930- 322-65-15-A	WB4YBE			
WA1IME	79,920- 555-72-17-B	WB2AWS	99,953- 131-38-10-A	K3CSG(AC30 WA3WC,WB3s		WB4YBE			
W1GG	58,240- 416-70-11-A	WB2BGI	99,900- 131-38-10-A	CWZ IOV KFH(ops)		WB4YBE			
WA1PCJ	54,100- 399-72-20-B	WB2DUE	7644- 98-39-10-A	WB3Z	210,150-1401-75-24-B	WB4YBE			
K1SF	21,780- 134-58-10-B	N2CC	3080- 55-28- 6-B	W3FLM/3	202,200-1348-75-24-B	WB4YBE			
N1SR	21,228- 138-58-10-B	WB2VLD	4200- 48-25- 4-B	W3LPL(W3XY,opr)	202,200-1348-75-24-B	WB4YBE			
WB1AUL	12,864- 134-48- 4-B	WB2GZ	20256- 62-19- 3-A	WB3DS	198,150-1323-75-24-B	WB4YBE			
K1FIR	10,368- 50-48- 5-B	WB2TDN	61,250- 50-23- 9-A	K3SA	182,250-1215-75-24-B	WB4YBE			
K1KNQ	2800- 50-28- 5-B	WB2TPX	1330- 50-28- 9-A	K3NA	175,676-1187-74-20-B	WB4YBE			
AA1AD(+AD1L,K1A,BM1,WB1,GVR)	54,252- 411-66-17-B	WB2SSJ	220- 11-10- 2-A	N3GB	165,316-1117-74-24-B	WB4YBE			
HGD)		WB2PFC	110- 11-10- 2-A	WB3VUG	143,100- 954-75-23-B	WB4YBE			
<b>2</b>		WB7UW/J2	132- 11- 6- 3-A	K3TA(N3TR,opr)	11,590- 765-73-22-A	WB4YBE			
WB2RUX	88- 11- 4- 2-A	WB2RUX	104,400- 936-75-23	WB4YBE		WB4YBE			
WB2PCJ	54- 9- 3- 2-A	WA2MGV	4- 2- 1- 1-A	WB3ZJ	201,150-1401-75-24-B	WB4YBE			
N2CQ(+AE2V)		WB2QFZ(+WB2AO1)	46,748- 377-62-10-B	WB3ZL	202,800-1350-75-24-B	WB4YBE			
WA2FZB(+WB2AO1)	22,504- 194-58-18-A	WB3ZL	103,304- 130-46- 9-A	WB3ZM	202,200-1348-75-24-B	WB4YBE			
<b>Eastern New York</b>		WB2LCC	208,350-1389-75-24-B	WB3ZM	202,200-1348-75-24-B	WB4YBE			
KOTR	276,150-1841-75-24-B	K2IGW(WA2LCC,opr)	202,200-1348-75-24-B	WB3ZT	202,200-1348-75-24-B	WB4YBE			
W2PVK(K1AR,opr)	259,050-1727-75-24-B	WB3ZT	99,980- 687-73-24-B	WB3ZT	202,200-1348-75-24-B	WB4YBE			
W2YVV	199,350-1329-75-24-B	WB3ZT	99,980- 687-73-24-B	WB3ZT	202,200-1348-75-24-B	WB4YBE			
K2ZM	148,692-1004-74-24-B	WB3ZT	99,980- 687-73-24-B	WB3ZT	202,200-1348-75-24-B	WB4YBE			
K2UF	108,750- 725-75-24-A	WB3ZT	99,980- 687-73-24-B	WB3ZT	202,200-1348-75-24-B	WB4YBE			
WB2KMY	78,388- 552-71-24-A	WB3ZT	99,980- 687-73-24-B	WB3ZT	202,200-1348-75-24-B	WB4YBE			
WB2WZ	64,386- 448-71-24-A	WB3ZT	99,980- 687-73-24-B	WB3ZT	202,200-1348-75-24-B	WB4YBE			
WB2WFK	51,188- 362-67-16-A	WB3ZT	99,980- 687-73-24-B	WB3ZT	202,200-1348-75-24-B	WB4YBE			
K2OY	44,616- 338-66-12-A	WB3ZT	99,980- 687-73-24-B	WB3ZT	202,200-1348-75-24-B	WB4YBE			
WB2HBY	29,388- 237-62-12-A	WB3ZT	99,980- 687-73-24-B	WB3ZT	202,200-1348-75-24-B	WB4YBE			
AA2Y	29,036- 238-61- 8-B	K2OVI(WA2FQE,opr)	77,256- 522-74-24-B	WB3ZT	99,980- 687-73-24-B	WB4YBE			
WB2MQJ	22,800- 190-60-10-B	WB3ZT	99,980- 687-73-24-B	WB3ZT	202,200-1348-75-24-B	WB4YBE			
WB2OFV	17,910- 169-60-10-B	WB3ZT	99,980- 687-73-24-B	WB3ZT	202,200-1348-75-24-B	WB4YBE			
WB2WHE	17,800- 164-60-10-B	WB3ZT	99,980- 687-73-24-B	WB3ZT	202,200-1348-75-24-B	WB4YBE			
WA2ZYM	14,472- 134-54-10-B	WB3ZT	99,980- 687-73-24-B	WB3ZT	202,200-1348-75-24-B	WB4YBE			
N2FS	8448- 96-44- 9-A	WB2RXS	50,024- 338-74-17-B	WB3FAF	74,168- 508-73-20-B	WB4YBE			
W2DW	8100- 90-45- 3-B	WB2RXS	48,180- 330-73-14-A	WB3FAH	74,168- 508-73-20-B	WB4YBE			
WB2LNB	7790- 95-41- 9-A	WB2AWX	44,104- 327-73-24-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
W2ARQ	7384- 71-52-16-A	WB2DX	44,104- 298-74-19-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
WA2RNX	52,000- 160-53-12-A	WB2DX	44,104- 298-74-19-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
WA2GZG	2,244- 59-23- 3-A	K2SOT	36,784- 303-64-19-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
K2AE(K2XV,WB2CFP,opr)	149,306-1007-74-24-B	WB2AQF	38,776- 262-74-16-A	WB3FAH	74,168- 508-73-20-B	WB4YBE			
K2GBH(+WA2KCL,WB2QH)	76,320- 50-32-14-B	WB2RWW	38,724- 286-67-17-A	WB3FAH	74,168- 508-73-20-B	WB4YBE			
WB2EYB(+WA2EYB,opr)	16,304- 391-72-12-A	WB2LWM	30,240- 240-63-13-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
WA2JDH(+WA2JDI,QZE,RIU)	15,600- 150-52-15-B	WB2LWM	26,792- 197-68-10-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
<b>New York City - L.I.</b>		WB2LWM	20,250- 160-53-10-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
K2HVN	126,300- 842-75-19-B	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
K2PE	116,100- 774-75-17-B	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
N2GC	89,688- 606-74-23-A	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
WB2RNT	74,236- 554-67-19-A	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
K2AU	64,386- 448-67-19-A	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
AB2D	40,395- 307-68-12-B	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
WB2HQ	10,200- 247-65-10-B	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
WB2GUB	28,730- 221-65- 9-A	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
W2HAE	23,310- 185-63- 8-A	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
N2OZ	20,304- 188-54-12-B	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
K2S2X	19,520- 160-61- 4-B	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
WA2SPD	17,300- 138-54-14-B	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
WA2ZPI	3,396- 56-33-10-A	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
W2CZZ	398- 22-22- 3-A	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
WA2AZS/(KA2CLQ,N2BU,WB2as)	151,694-1039-73-24-B	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
AS2JBY SEL,WB2WS FEK QEU,		WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
WN2VVR,ops)		WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
N2MG(+N2PL)	108,450- 723-75-24-B	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
<b>Northern New Jersey</b>		WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
N7TT/2	183,520-1240-74-24-B	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
WA2SQG	172,334-1179-73-24-B	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
W2GZD	148,774-1019-73-24-B	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
WB2QYT	103,650- 691-75-18-B	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
WB2POG	60,480- 420-72-13-B	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
K2LG	58,032- 403-72-18-B	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
W2S5G	50,920- 380-67-18-B	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
W3EV/Q/2	8,084- 94-13-15-A	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
AD2K	7,820- 45-16-17-A	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
WA2UDT	6,200- 100-31- 3-A	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
WB2KUQ	4,836- 78-31- 4-A	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
K2V2	3,900- 75-26- 4-A	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
K2OP	4,322- 19-16- 4-A	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
K2XR/(K2WOB,WB1K,W4LDRY)	163,100-1081-75-19-B	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
W2RQ(+W2SHM)	16,150-120-1081-75-19-B	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
K2GQ(KA2ACM,N2BQ,W2AQB)	144,650-1095-75-24-B	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
MM,WB2AK CKB KVY MYZ NWX:		WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
WB2LBR SKY ZDH,ops)	94,600- 660-72-24-B	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
W1GQD(+N2EW)	50,728- 373-68-20-B	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
<b>Southern New Jersey</b>		WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
K2YY	176,650-1191-75-24-B	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
N2MM	164,650-1095-75-24-B	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
WA2VVA	162,060-1110-73-24-B	WB2LWM	18,792- 118-60- 8-B	WB3FAH	74,168- 508-73-20-B	WB4YBE			
WB2KPO	122,248- 86-72-24-B	WB2LWM	18,792-						



