

Results, 1993 ARRL November Sweepstakes

This contest is fun, even for those of us with wimpy stations.

—John Kent, AA2DY

By Randall Thompson, K5ZD, and Billy Lunt, KR1R
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Contest Manager



What were you doing the first and third weekends of last November? For thousands of amateurs around the US and Canada, these two weekends are permanently reserved in their radio calendars for the ARRL November Sweepstakes. Whether you're a serious competitor or a casual participant, the Sweepstakes offers something for everyone.

Do you think you can make more than 100 QSOs in a whole weekend of CW or phone operation? Do it in the Sweepstakes and you're eligible for an award in the Participation in November Sweepstakes (PINS) program. Many operators begin with this simple goal and find it so much fun they can't stop. Others are adding to their Sweepstakes pin collection from previous years.

Need more of a challenge? Try working all 77 Sections to gain a Clean Sweep coffee mug. Whether you're chasing pins or mugs, the challenge is fun and personal. Who knows, you might even win a Section certificate in the process. With separate entry cate-

gories for QRP (5 W), low power (150 W), high power and multioperator, there are plenty of opportunities to earn wallpaper.

For serious operators striving for a Division plaque or a Top 10 national finish, the

Sweepstakes is the radio equivalent of the Boston Marathon, Super Bowl and World Series all rolled into one. Preparation begins weeks or even months before the contest. Antennas are carefully tuned and radios are tested to ensure top performance for the entire 30 hours. Personal work and travel schedules are manipulated to guarantee a weekend of uninterrupted activity. Family members are sent off to visit relatives or given the "Do not disturb" order. It will take all the operating skill and motivation these ops can muster to achieve their lofty goals.

One ingredient the best Sweepstakes operators share is experience. It takes skill and practice to dig out every last contact. Knowledge of propagation is needed to find the most productive band for contact rate or multipliers. Strategy is crucial in choosing the best operating and off times. If you're new to the contesting game, study the contest results and find an experienced contesteer to act as your "coach." The satisfaction of contesting, like any competitive activity, increases as your proficiency and goals climb.

CW—Another Record Year

On a weekend when the K index never went below 4, propagation favored those to the south. In the High Power category, last year's Phone Sweepstakes winner, Jeff Steinman, KR0Y, of Dallas, operated from WM5G to gain his first victory on CW. A new record, Jeff's score broke KM9P's 1992 record by 122 QSOs—an incredible jump in one year and a direct result of the popularity of the PINS program. Bill Fisher, KM9P, of Lilburn, Georgia, was trying to defend his title from N4RJ, but couldn't keep up with Jeff to the end and finished third. Demonstrating the importance of experience, 1987 winner Bill Bradford Jr, K5GA, of Houston, operated W5WMU in Louisiana to second

Clean Sweeps on Both Modes

The following 32 stations were able to work all 77 Sections on both CW and phone. They deserve a very special mention. Great job!

AA6KX	K8CX	N4ZZ	NF7P	W4ETO
K2POF	K9ZO	N6TV	NV6O	W6BSY
K5RX	K0PP/7	N6VR	VE7SZ	W6OAT
K6LL	K13L	N7MMQ	W1FEA	W6TKF
K7FR	KV6H	N7TT	W1XE	W7CFL
K7NO	N3SL	N8RR	W4AQL	W7ZRC
K7QQ	N4XM			



Top Ten CW

Single Operator, QRP

N3SL	132,132
W2GD	118,950
W9UP (KA9FOX,op)	
	115,824
W9RE	111,872
AA2U	110,850
K0SCM	109,500
K1TR	102,448
WA4PGM	100,928
K3WW	92,872
N0AX	90,592

Single Operator, Low Power

NP4A (K7JA,op)	210,518
N5RZ	196,840
KP2/N6OP	180,120
KY7M	179,700
AD5Q	176,484
K0EU	174,900
K6OY	173,712
W1FEA	166,936
AB6FO	163,400
N4AA	158,620

Single Operator, High Power

WM5G (KR0Y,op)	236,512
W5WMU (K5GA,op)	235,774
N4RJ (KM9P, op)	231,000
K5GN	221,452
W7RM (N6TR,op)	218,834
N2IC	216,524
NC0P (AG9A,op)	213,136
K6LL	212,982
NM5M	212,212
K9FD (WX3N,op)	209,440

Multioperator

AA5B	223,916
N4ZZ	212,058
N6VR	202,048
WX0B	192,280
W4AQL	191,114
K6XT	179,564
K5OJ	178,024
W0AA	178,024
W3GH	167,808
W6BIP	161,084

Phone

Single Operator, QRP

W9UP (KA9FOX,op)	161,546
N6PEQ	152,614
K1DG (WZ1R,op)	
	119,504
W2CRS	113,544
K0SCM	109,896
W7CFL	101,794
WB2ODH/6	100,562
WB8G	100,408
N6WMF	99,484
K0TO (N0BSH,op)	95,850

Single Operator, Low Power

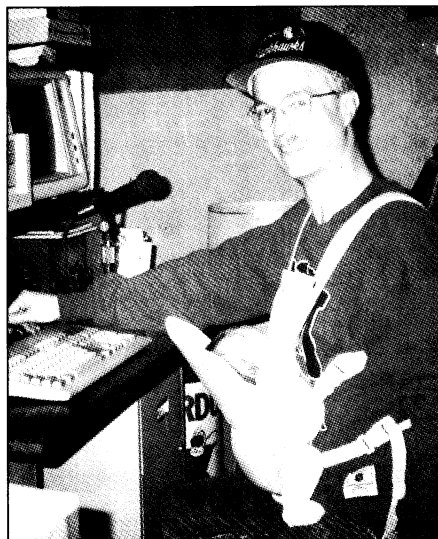
K7QQ	278,740
K0EU	273,658
K4VUD	251,328
W1FEA	238,392
VE4GV	235,466
KM5H	231,616
WN9P	228,844
WD0T	213,752
W7ZRC	210,518
AJ9C	206,360

Single Operator, High Power

K13V/7	338,492
W6QHS (KM9P,op)	
	338,030
K3LR (K3UA,op)	328,328
K6LL	327,096
KY7M	317,240
K9RS (AA5B,op)	316,162
K0KR	315,546
WC6H	314,468
W5KFT (WB5VZL,op)	
	313,852
W9RE	295,218

Multioperator

N4ZZ	325,094
WX0B	301,532
W6EEN	297,990
AB4RU	288,750
K9ZO	286,286
N6ND	277,970
KF6OG	277,508
NJ1V	275,198
WF7B	269,808
W3GH	250,096



Scott, KB9YO, worked with junior op Michael, age 4 weeks. As one person who heard him cry during a contact remarked, "I see you brought your own QRM!"

Top Five—CW

(Boxes list call sign, score, and class (Q = QRP, A = Low Power, B = High Power, M = Multioperator))

Northeast Region (New England, Hudson and Atlantic Divisions; Maritime and Quebec Sections)			Southeast Region (Delta, Roanoke and Southeast Divisions)			Central Region (Central and Great Lakes Divisions; Ontario Section)			Midwest Region (Dakota, Midwest, Rocky Mountain and West Gulf Divisions; Manitoba and Saskatchewan Sections)			West Coast Region (Northwestern, Pacific and Southwestern Divisions; Alberta, British Columbia and NWT/Yukon Sections)		
W2GD	118,950	Q	WA4PGM	100,928	Q	W9UP (KA9FOX,op)	115,824	Q	N3SL	132,132	Q	AA2U	110,850	Q
K1TR	102,448	Q	W0MHS/4	81,320	Q	W9RE	111,872	Q	K0FRP	123,600	Q	N0AX	90,592	Q
K3WW	92,872	Q	K84GID	81,216	Q	WA1UUJ	75,600	Q	K0SCM	109,500	Q	N7IR	90,450	Q
W1MJ	80,928	Q	W8DL	79,200	Q	WA8RJF	65,036	Q	N9CIQ	88,200	Q	W7YAO	85,994	Q
WA1GUV	79,476	Q	N4TG	56,160	Q	K9JU	54,648	Q	N5NMX	64,970	Q	K7MM	84,096	Q
W2TZ	144,892	A	NP4A (K7JA,op)	210,518	A	K4XU	155,344	A	N5RZ	196,840	A	KY7M	179,700	A
WA2SRQ	143,792	A	KP2/N6OP	180,120	A	K8BL	149,264	A	AD5Q	176,484	A	K6OY	173,712	A
NJ2L	134,520	A	N4AA	158,620	A	N4TY	148,888	A	K0EU	174,900	A	W1FEA	166,936	A
KY1H (KB1W, op)	121,800	A	K4PQL	153,520	A	K8CX	144,298	A	WB0HBS	158,004	A	AB6FO	163,400	A
KZ1M	121,752	A	KM5G	151,950	A	AA8AV	133,912	A	WD0T	156,584	A	KD6WW	155,496	A
K3LR	208,544	B	W5WMU (K5GA,op)	235,774	B	K9FD (WX3N,op)	209,440	B	WM5G (K0RY,op)	236,512	B	W7RM (N6TR,op)	218,834	B
KZ2S	197,600	B	N4RJ (KM9P, op)	231,000	B	VE3EJ (K5ZD,op)	203,528	B	K5GN	221,452	B	K6LL	212,982	B
KF3P	189,600	B	N8RR	191,268	B	WA8ZDT	182,704	B	N2IC	216,524	B	N6TV	198,814	B
K1TO	188,936	B	W5XX	188,176	B	K8CC	181,336	B	NC0P (AG9A,op)	213,136	B	VE7SZ	193,116	B
K3ZO	184,376	B	AA4NC	185,440	B	KW8N (WD8IXE,op)	180,424	B	NM5M	212,212	B	W6QHS	192,192	B
W3GH	167,808	M	N4ZZ	212,058	M	K9LJN	151,392	M	AA5B	223,916	M	N6VR	202,048	M
WB2PSI	118,864	M	W4AQL	191,114	M	AA9AX	142,728	M	WX0B	192,280	M	K6XT	179,564	M
W3OV	108,984	M	NJ4F	145,160	M	W8EDU	140,296	M	K5OJI	178,024	M	W6BIP	161,084	M
K2QMF	108,528	M	KI4UZ	135,864	M	K9MMS	129,944	M	W0AA	178,024	M	KV6H	160,930	M
WD3P	87,400	M	W4XD	81,750	M	WD8AUB	128,136	M	AB0S	157,234	M	NV6O	102,564	M

Top Five—Phone

(Boxes list call sign, score, and class (Q = QRP, A = Low Power, B = High Power, M = Multioperator))

Northeast Region (New England, Hudson and Atlantic Divisions; Maritime and Quebec Sections)			Southeast Region (Delta, Roanoke and Southeast Division)			Central Region (Central and Great Lakes Divisions; Ontario Section)			Midwest Region (Dakota, Midwest, Rocky Mountain and West Gulf Divisions; Manitoba and Saskatchewan Sections)			West Coast Region (Northwestern, Pacific and Southwestern Divisions; Alberta, British Columbia and NWT/Yukon Sections)		
K1DG (WZ1R,op)	119,504	Q	WD4AVY	47,742	Q	W9UP (KA9FOX,op)	161,546	Q	W2CRS	113,544	Q	N6PEQ	152,614	Q
AA2U	94,556	Q	WF4U	25,172	Q	WB8G	100,408	Q	K0SCM	109,896	Q	WB2ODH/6	100,562	Q
K3WW	78,540	Q	WR4I	23,322	Q	K04BI	81,696	Q	W7CFL	101,794	Q	N6WMF	99,484	Q
KD2TT	62,050	Q	KN4QS	20,538	Q	WA8RJF	64,824	Q	K0TO (N0BSH,op)	95,850	Q	WA7BNM	86,700	Q
WA1LNP	55,440	Q	KV8S	20,400	Q	N9NE	53,130	Q	K0FRP	77,234	Q	VE6SH	39,960	Q
KZ1M	181,874	A	K4VUD	251,328	A	WN9P	228,844	A	K0EU	273,658	A	K7QQ	278,740	A
AD8J	153,692	A	N8II	160,006	A	AJ9C	206,360	A	VE4GV	235,466	A	W1FEA	238,392	A
AA2GQ	133,826	A	KA4RRU	136,444	A	K4XU	198,044	A	KM5H	231,616	A	W7ZRC	210,518	A
WA2UUK	124,432	A	AA4LR	126,742	A	AA8AV	167,706	A	WD0T	213,752	A	K7RI	206,052	A
KZ2I	117,450	A	KD3GC	107,030	A	K8BL	154,616	A	AC0W	142,050	A	W7YAO	177,100	A
K3LR (K3UA,op)	328,328	B	W5WMU	295,064	B	W9RE	295,218	B	K9RS (AA5B,op)	316,162	B	K13V/7	338,492	B
K1KI	292,908	B	W4MYA	273,966	B	K8CC (WD8IJP,op)	294,294	B	K0KR	315,546	B	W6QHS (KM9P,op)	338,030	B
KF3P	279,202	B	WZ4F	256,102	B	KW8N (NZ4K,op)	270,424	B	W5KFT (WB5VZL,op)	313,852	B	K6LL	327,096	B
WB1GQR (WB2JSJ,op)	278,278	B	NX9T	191,730	B	ND4Y	261,646	B	VE5DX (VE5MX,op)	286,132	B	KY7M	317,240	B
KE3Q	280,742	B	KU4J	189,112	B	AA8U	239,316	B	N0AT	281,820	B	WC6H	314,468	B
W3GH	250,096	M	N4ZZ	325,094	M	K9ZO	286,286	M	WX0B	301,532	M	W6EEN	297,990	M
KY2J	237,930	M	AB4RU	288,750	M	K8MJZ	246,092	M	NJ1V	275,198	M	N6ND	277,970	M
W3GNQ	235,928	M	WF7B	269,808	M	N9QX	236,698	M	WV0Q	233,156	M	KF8OG	277,508	M
WA2UKP	219,142	M	KP2N	228,228	M	VE3XD	232,078	M	N5NMX	223,608	M	N6NB	241,318	M
N1MM	216,144	M	N4CXF	224,378	M	KG8CO	188,342	M	W0AA	214,320	M	N6TV	240,548	M

place overall. Another Houston ham who broke the record score was fourth-place finisher Dave McCarty, K5GN, operating from South Texas.

The low-power competition was also dominated by stations from the south—way south! Chip Margelli, K7JA, planted an AEA Isolooop in the spectacular hilltop backyard of Pedro Piza Jr, NP4A, in Ponce, Puerto Rico, and operated to a new record. His score

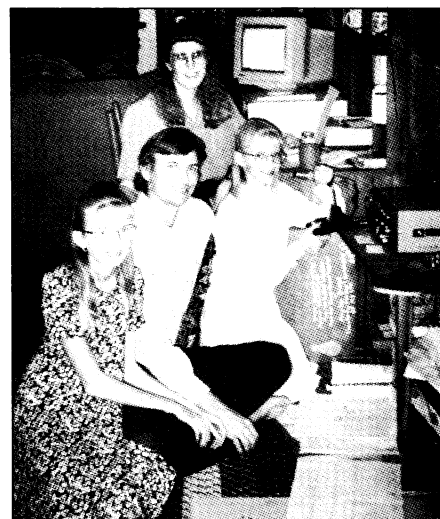


Mathew, KB0LFV, claims to like CW better than phone. This 13-year-old Novice made 63 contacts from North Dakota.

would have placed him in the Top 10 for high power—a remarkable achievement. Chip was chased by last year's low-power winner, Ralph Bowen, N5RZ, of Midland, Texas. Ralph takes advantage of his location in the "rare" West Texas Section, but it wasn't enough this time. Third was Bill Zachary, KP2/N6OP, operating from the Virgin Islands with one of the longest call signs in the contest. Think about having to send his call sign in your exchange every QSO! A close fourth was Lee Finkel, KY7M, in Scottsdale, Arizona. Lee missed two Sections, which cost him a position in the standings. The top "northern" score was turned in by perennial low-power ace, Dick Frey, K4XU, operating from the "black hole" of Illinois.

The awards for operating skill and perseverance must go to those who choose to battle it out in the QRP category. Steve Larson, N3SL, of Franktown, Colorado, took advantage of the high bands from his QTH to gain the victory and set a new record. Steve moved up from a third-place finish last year. The "Avis" award goes to John Crovelli, W2GD, of Milford, New Jersey, who earned his third second-place QRP finish in the past four years! John used excellent low-band conditions to make his big score. It seems unbelievable, but John was standing in a grocery

store checkout line when the contest started. Did his 50-minute-late start cost him the contest? Last year's QRP winner, Scott Neader,



Doug, KI7LP, made Sweepstakes a family affair, as (l-r) Kimberly, KB7TZ; Doug; Kristy, KB7VQA; and Roxanne, KB7PXU, combined for a multioperator effort from Arizona. They'll soon be seen sporting their new PINS pins at local hamfests.

ARRL November Sweepstakes Plaque Winners

Listed below are all of the plaque category winners. Only plaques with sponsors will be awarded. If you have won a plaque category without a sponsor, call ARRL HQ for your options.

Category	Winner	Donor	Category	Winner	Donor
Overall			Northwestern Division		
QRP Phone	W9UP (KA9FOX,op)	Kenwood Employees ARC, WD6DJY	QRP CW	N0AX	Ken Kopp, K0PP
Low Power Phone	K0EU	Kenwood Employees ARC, WD6DJY	Low Power CW	W7ZRC	Dennis Motschenbacher, AA7VB (KZ5M)
High Power Phone	K13V7	Kenwood Employees ARC, WD6DJY	High Power CW	W7RM (N6TR,op)	Antenna Resources-K7LXC
Multioperator Phone	N4ZZ	Kenwood Employees ARC, WD6DJY	Multioperator CW	KL7Y	Willamette Valley DX Club
QRP CW	N3SL	Kenwood Employees ARC, WD6DJY	QRP Phone	WA0RJY	
Low Power CW	NP4A (K7JA,op)	Kenwood Employees ARC, WD6DJY	Low Power Phone	K7QQ	
High Power CW	WMSG (KR0Y,op)	WN4KKN and W0UA	High Power Phone	K0PP7	
Multioperator CW	AA5B	Kenwood Employees ARC, WD6DJY	Multioperator Phone	WS7I	
Atlantic Division			Pacific Division		
QRP CW	K3WWW		QRP CW	W6JTI	Northern Nevada DX-Contest Club
Low Power CW	W2TZ	Southern Maryland ARC	Low Power CW	W1FEA	Robert A. Wilson, N6TV
High Power CW	K3LR	North Coast Contesters	High Power CW	N6TV	Richard Hallman, K13V7
Multioperator CW	W3GH		Multioperator CW	W6BIP	
QRP Phone	K3WWW		QRP Phone	N6WMF	
Low Power Phone	AD8J		Low Power Phone	W1FEA	Jim Hollenback, WA6SDM
High Power Phone	K3LR (K3UA,op)	North Coast Contesters	High Power Phone	W6QHS (KM9P,op)	Richard Hallman, K13V7
Multioperator Phone	W3GH	Mark Sickmeyer, KB3GJ, Memorial	Multioperator Phone	N6ND	
Central Division			Roanoke Division		
QRP CW	W9UP(KA9FOX,op)	Randy Rand, AA2U	QRP CW	WA4PGM	
Low Power CW	K4XU	Society of Midwest Contesters	Low Power CW	N4AA	Rick Niswander, K7GM
High Power CW	K9FD (WX3N,op)	Hoosier Contesters	High Power CW	AA4NC	Rick Niswander, K7GM
Multioperator CW	K9LIN		Multioperator CW	NJ4F	
QRP Phone	N9NE		QRP Phone	WD4AVY	
Low Power Phone	WN9P	Society of Midwest Contesters	Low Power Phone	N8II	
High Power Phone	W9RE	Western Wisconsin DX Assn	High Power Phone	W4MYA	
Multioperator Phone	K9ZO	Calumet Amateur Radio Enthusiasts	Multioperator Phone	WF7B	Shenandoah Valley ARC
Dakota Division			Rocky Mountain Division		
QRP CW	N9CIQ	Tod Olson, K0TO	QRP CW	K6EIL	University ARC, Wyoming
Low Power CW	WD0T	Twin City FM Club	Low Power CW	K0EU	Dave Fisher, W0MHS
High Power CW	K0HB	Minnesota Wireless Assn, W0AA	High Power CW	N2IC	
Multioperator CW	W0AA	Minnesota Wireless Assn, W0AA	Multioperator CW	AA0NC	
QRP Phone	K0TO (N0BSH,op)	Tod Olson, K0TO	QRP Phone	W2CRS	
Low Power Phone	WD0T	Twin City FM Club	Low Power Phone	W67S	
High Power Phone	N0AT	Minnesota Wireless Assn, W0AA	High Power Phone	K9RS (AA5B,op)	
Multioperator Phone	W0AA	Minnesota Wireless Assn, W0AA	Multioperator Phone	N0RAB	
Delta Division			Southeastern Division		
QRP CW	N4TG	Pat Sonnier, W5WMU	QRP CW	W0MHS/4	Virgin Islands ARC
Low Power CW	KM5R	Tim Totten, KJ4VH	Low Power CW	KP2/N6OP	
High Power CW	W5WMU (K5GA,op)	Kentucky Contest Group	High Power CW	N4RJ (KM9P,op)	
Multioperator CW	N4ZZ	Fist and Mouth Contest Company	Multioperator CW	W4AQL	Virgin Islands ARC
QRP Phone	AC4HF		QRP Phone	KN4QS	
Low Power Phone	N8RR	Pat Sonnier, W5WMU	Low Power Phone	K4VUD	
High Power Phone	W5WMU		High Power Phone	WZ4F	
Multioperator Phone	N5WA		Multioperator Phone	AB4RU	
Great Lakes Division			Southwestern Division		
QRP CW	WA8RJF	Bill Maxson, N4AR	QRP CW	AA2U	Rich Lindsay, N7RDK & Karen Lindsay, N7XSS
Low Power CW	K8BL	Mad River Radio Club	Low Power CW	KY7M	Larry Serra, N6AZE
High Power CW	WA8ZDT	North Coast Contesters	High Power CW	K6LL	
Multioperator CW	W8EDU	David Smith, ND4Y	Multioperator CW	N6VR	Warren Hill, KF7AY
QRP Phone	WB8G	Chris Gay, KU4A	QRP Phone	N6PEQ	
Low Power Phone	AA8AV	Mad River Radio Club	Low Power Phone	N6HC	
High Power Phone	K8CC (WD8JP,op)	North Coast Contesters	High Power Phone	K6LL	
Multioperator Phone	K8MJZ		Multioperator Phone	W6EEN	
Hudson Division			West Gulf Division		
QRP CW	W2GD	Bill Keller, W2RQ	QRP CW	N5NMX	D Craig Boyer, AH9B
Low Power CW	WA2SRQ	John Crovelli, W2GD	Low Power CW	N5RZ	W0GOW, W5RO Memorial
High Power CW	N2BA (K8HVT,op)	John Golomb, KZ2S	High Power CW	K5GN	Oklahoma Comm Center
Multioperator CW	K2QMF	Stuart Silverstein, K3UEI, Memorial	Multioperator CW	WX0B	
QRP Phone	AA2U	QRP Club of New England	QRP Phone	KA5PVB	
Low Power Phone	KC2AG	Troy ARA	Low Power Phone	KM5H	D Craig Boyer, AH9B
High Power Phone	WB2K	John Hults, KF2BH	High Power Phone	W5KFT (WB5VZL,op)	W0GOW, W5RO Memorial
Multioperator Phone	KY2J		Multioperator Phone	WX0B	Oklahoma DX Assn
Midwest Division			Canada		
QRP CW	K0SCM	Jon K Jones, MD, NO0Y	QRP CW	VE7YU	
Low Power CW	K0RWL		Low Power CW	VE4VV	Don Haney, KA1T
High Power CW	NC0P		High Power CW	VE3EJ (K5ZD,op)	
Multioperator CW	AB0S		Multioperator CW	VE1NH	
QRP Phone	K0SCM	Suburban Radio Club of St Louis County	QRP Phone	VE6SH	
Low Power Phone	KM0L		Low Power Phone	VE4GV	
High Power Phone	K4VX (AA0CR,op)		High Power Phone	VE5DX (VE5MX,op)	D Craig Boyer, AH9B
Multioperator Phone	WV0Q		Multioperator Phone	VE3XD	
New England Division					
QRP CW	K1TR	Jim Kearman, KR1S			
Low Power CW	KY1H (KB1W,op)	Brian Szweczyk, NJ1F			
High Power CW	K1TO	Murphy's Marauders Contest Club			
Multioperator CW	K2SX/1	Jon Neary, W1UA			
QRP Phone	K1DG (W21R,op)	Michael Perry, WM1K			
Low Power Phone	KZ1M	Naked Chicken Contest Club			
High Power Phone	K1KI	Ed Parsons, K1TR			
Multioperator Phone	N1MM	Jon Neary, W1UA			

KA9FOX, again operated W9UP in Wisconsin, this time finishing third.

The AA5B team, operating from New Mexico, repeated as champion of the multioperator category. It was followed by a close race between N4ZZ in Tennessee and W4AQL in Georgia.

Clean Sweeps were hard to find on CW, with only 73 single ops achieving this goal. VY1JA and VY1CM were on, but poor solar

conditions dramatically limited the number of contacts they could make. At the top levels of competition, that last Section for a Clean Sweep is worth between 10 and 15 QSOs. More than one race was decided by the good fortune of finding VY1 for the Sweep.

ARRL HQ received 1376 entries for CW. The most popular category was single-operator "A power" (150 W), with 879. There were 230 "B power" entries and 147 in the QRP

class. There were 1252 single operators, 104 multioperators and 17 CW checklogs.

Phone—Something for Everyone

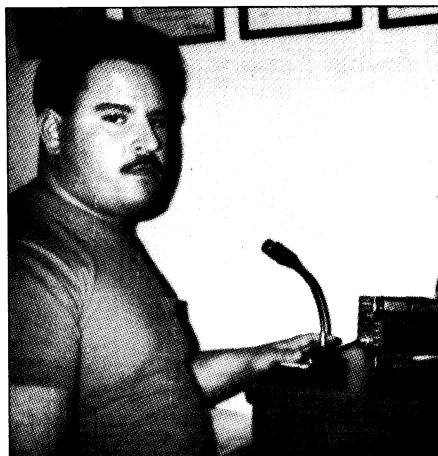
It's amazing what two weeks can do to change radio propagation. The Phone Sweepstakes offered opportunities to every area of the country.

The race for number one in the high-power category was a shootout in the West.

Affiliated Club Competition

Unlimited Category	Score	Entries	CW Winner	Phone Winner	Medium Category (continued)	Score	Entries	CW Scores	Phone Scores
Northern California Contest Club	7,439,544	80	N6TV	K13V/7	Hazel Park ARC	260,004	15	WD8S	WD8S
Yankee Clipper Contest Club	5,285,366	70	W2SC	K1K1	Southern California DX Club	250,550	4	KC6X	KC6X
Potomac Valley Radio Club	4,302,556	54	KF3P	KE3Q	West Park Radiops	226,414	10	W8PN	W8ORV
					Downey ARC	215,586	7	KA3DSE/6	KA3DSE/6
					Redwood Empire DX Assn	201,290	7	AA6YX	WB2CHO
Medium Category					Albany ARA	178,706	10	WA2BAH	N2CKV
Southern California Contest Club	6,162,956	49	K6LL	K6LL	Jersey Shore ARS	178,264	3	WB2DIN	WB2DIN
Mad River Radio Club	5,246,472	50	K8CC	K8CC (WB8JP,op)	Murgas ARC	177,762	10	WB3FAA	N3KAE
Society of Midwest Contesters	4,670,094	50	K4VX (WX9E,op)	W9RE	North Jersey DX Assn	175,592	7	WA2UDT	WA2UDT
Minnesota Wireless Assn	4,406,446	50	W0AIH (K0FVF,op)	N8AT	Meriden ARC	161,436	6	W1KKF	WB8IMY
North Coast Contesters	3,989,170	38	K3LR	K3LR (K3UA,op)	Schenectady ARA	155,168	4	K2UF	K2UF
Frankford Radio Club	3,824,040	48	KZ2S	WB2K	Fon du Lac ARC	154,500	5	ND9O	K9QYC
North Texas Contest Club	3,797,630	30	WM5G (KR0Y,op)	W5KFT	Kankakee Area Radio Society	146,628	4	N2CS	N2CS
					(WB5VZL,op)	130,622	9	AA2GS	AA2GS
Kentucky Contest Group	2,386,186	30	N4TY	ND4Y	Poughkeepsie ARC	130,622	9	AA2GS	AA2GS
Murphy's Marauders	2,168,154	28	K1TO	K1RM	Talladega RAC	121,508	5	—	AA4UF
Western Washington DX Club	1,908,206	20	N7TT	N7TT	Conejo Valley ARC	120,250	5	WB2WIK	KN6RU
Mid-Hi DX Assn	1,876,428	19	N2IC	K0KR	Eastern Iowa DX Assn	118,148	5	KF0H	W0PPF
Texas DX Society	1,655,230	12	W5WUW (K5GA,op)	K1SL	Amoskeag Radio Club	106,074	4	K1ATL	K1ATL
Southeastern DX Club	1,449,990	9	N4RJ (KM9P,op)	K4BAI	Laurel ARC	105,918	3	KB5IXI	N8KKG
Salt City DX Assn	992,354	11	K2ZJ	K2ZJ (WA2LCC,op)	Fox Cities ARC	104,646	7	AA9GF	KB9AIT
Rochester (NY) DX Assn	959,730	19	W2TZ	AF2K	Highland ARA	103,666	6	—	WA8KIW
Kansas City DX Club	954,534	11	N0XA (K0VBU,op)	KM0L	Clark Co (IN) ARC	99,532	3	W4WQD	NX9B
Cascade Contest Club	938,122	10	AA7NX	W7YQ	Kettle Moraine Radio Amateurs	90,538	5	N9EZ	KB9AMG
Left Coast Contest Club	872,184	5	K7QQ	K7QQ	Lebanon Valley Society of Radio Amateurs	87,542	5	N3FOG	N3FOG
New Mexico Big River Contest Club	846,736	7	K7UP (KN5H,op)	K9RS (AA5B,op)					
Motor City Radio Club	810,394	34	K8RDJ	K8SAK	OH-KY-IN ARS	87,164	4	KF4AV	N8KOJ/T
Troy ARA	780,320	23	WA1KKM	WA1KKM	Eastern New Mexico ARC	78,738	3	AA5UR	KA5BAT
Livingston ARK	740,788	15	KW8G	KW8G	Hamfsters Radio Club	76,012	3	W9LNQ	W9LNQ
Upper Lake Livingston Wireless Assn	731,470	4	AA5BL	N5OLS	Rowan ARS	75,910	6	W8UT	W8UT
Western Illinois ARC	654,574	7	K4XU	K4XU	Eastern Michigan ARC	68,412	5	NT8V	WA8QJR
Woodbridge Wireless	533,824	10	WB4NFS	WD4KXB	Lynchburg ARC	61,150	5	WD4ELJ	WB4ZPF
Radio Amateurs of Northern Vermont	507,826	3	WB1GQR	WB1GQR	West Allis RAC	60,848	3	K9KR	K9KR
					(WB2JSJ,op)	52,026	3	NM1K	N1KWJ
Central Virginia Contest Club	517,820	4	W4MYA	W4MYA	Sterling Park ARC	51,922	4	N4UTY	W4LMJ
South Jersey Radio Assn	472,486	20	WA2VYA	KE2OP	Virginia Beach ARC	48,692	3	NA4IG	NA4IG
Mississippi Valley DX/Contest Club	471,440	5	K9FD (WX3N,op)	K4VX (AA0CR,op)	Capital City ARS	4,536	3	—	K3UAL
Lincoln ARC	466,322	8	K0SCM	K0SCM					
Valley Radio Club of Eugene	452,736	6	K7DBV	A17W	Local Category				
Northern Alabama DX Club	442,174	5	KC4TEO	KU4J	River City Contesters	1,443,344	10	AA6WJ	N6YKL
Ventura County ARC	435,582	6	—	K6VMN	Federation of Amateur Radio Operators	660,968	8	K9BGL	K9BGL
Putnam Emergency Amateur Repeater League	411,946	3	WA2UKP	N2IWE					
Oklahoma DX Assn	410,134	4	KM5H	KM5H	Central Arizona DX Assn	652,648	9	K7NO	K7NO
Wichita ARC	401,300	6	W0AWP	WX0U	Blackhawk DX and Contest Club	400,786	4	K9UIY	K9UIY
Long Island Mobile ARC	343,740	8	K2AU	K52G	Utah Contest Club	356,220	4	K6EIL	K6XO/7
Tri-City ARC	341,222	3	KE7GH (NU7I,op)	KE7GH	Overlook Mountain ARC	311,984	3	KU2Q	KY2J
St Croix ARC	331,338	4	NP2I	NP2I	Hoosier Contesters	279,272	3	K9UWA	WO9Z
Northrop Radio Club	330,508	5	K6HRT	W6CN	North Shenandoah DX Assn	238,630	4	N4MM	N4MM
Providence Radio Assn	329,736	3	K1PLX	VE3VET	Falmouth ARA	230,592	4	K5MA	KA1IOR
Western New York DX Assn	327,462	9	WB2YQH	W8TJQ	Northern Ohio DX Assn	222,826	4	WB1GU	K8YSE
Central Michigan ARC	320,812	20	W8TJQ	N2JOH	Sturdy Memorial Hospital ARC	222,410	5	W21K	AA1FY
Rip Van Winkle ARS	305,968	21	N2JOH	VE6KTT	10-70 Repeater Assn	210,984	6	KB2JE	N2CFD
Calgary ARA	272,544	4	VE6KTT	NP2E	Northern Arizona DX Assn	201,804	3	W7YS	—
Virgin Islands ARC	262,460	7	KP2N	WCT5	Northern Nevada DX and Contest Club	180,426	3	K24H/7	AA7EN
Wyoming DX Contest Club	265,388	7	WCT5	WCT5	Jay Hawks ARS	155,796	4	AA0FO	KB0IDB
					Naked Chicken Contest Club	69,996	5	KJ4KB	KJ4KB

Rich Hallman, KI3V, earned his first major contest victory by outshooting traveling gunslinger Bill Fisher, KM9P. Bill flew from his home in Georgia to operate from the mountaintop location of W6QHS in northern California. Bill arrived just hours before the contest, oriented himself to the station and then tried to learn propagation "on the fly." Rich had a lead of more than 200 contacts at the end of Saturday night, but Bill kept



The next guy who IDs with just the last two letters of his call sign gets it! Ed, N5XIO, works the pileups at AA8FU in always-rare West Virginia.

grinding on Sunday and gained back all but 40 of them by closing hours of the contest. In the end, it was the better 40-meter signal of KI3V that nailed down the victory. The difference between first and second was less than two contacts per hour!

Third place was the result of unusual propagation meeting a super operator at a great station. Phil Kock, K3UA, pushed the K3LR station in Western Pennsylvania to a tremendous score. Incredibly short skip on 20 meters got Phil off to a great start (his first six hours all had more than 130 QSOs/hr). With only eight hours left to go, Phil was leading KI3V and W6QHS! Unfortunately, propagation returned to "normal" Sunday afternoon and he couldn't hold them off. Phil broke the Division record by almost 400 contacts and set the highest score ever east of the Mississippi River.

The low-power competition was as exciting as it gets. Rex Maner, K7QQ, in Washington, squeaked by Randy Martin, K0EU, in Colorado, for the top spot. Randy was up by more than 160 QSOs when they went to sleep Sunday morning. Even with only three hours to go, Randy was maintaining a 78-contact lead, but the difference was in the off-time strategy. Although Randy had some time to kill, Rex motored right to the end and the win. That's what makes Sweepstakes exciting!

For the past several years, the key to big SS scores out west was the huge pool of con-

tacts available in the 10-meter Novice subband. There was quite a change this year, with Rex making only 180 contacts on the band and Randy making none! Rex started the contest on 10 with a disappointing 80-QSO hour, while Randy was racing to a 121-contact hour on 15 meters. Third-place finisher Charles Harpole, K4VUD, in Florida, only made eight contacts on 10 meters. All three had more than 400 QSOs on



Jerry, KG6LF, keeps an eye on his rate during the phone contest.

QSO Number versus Time (UTC) For Top Three Entries in Each Category CW

Call Sign	22	00	06	12	18	00	03
WM5G	100	292	822	1023	1285	1518	1609
W5WMU	104	286	781	970	1242	1424	1557
N4RJ	97	284	785	1014	1292	1469	1531
NP4A	101	251	701	858	1098	1278	1388
N5RZ	96	271	675	798	1039	1253	1321
KP2/N6OP	87	236	617	742	954	1148	1219
N3SL	77	180	402	471	629	784	874
W2GD	8	119	374	432	609	755	814
W9UP	38	129	325	347	541	705	788

Phone

Call Sign	22	00	06	12	18	00	03
K13V	167	500	1043	1220	1574	2062	2281
W6QHS	148	419	911	1045	1457	2015	2242
K3LR	130	399	1161	1389	1743	1969	2163
K7QQ	80	285	625	765	1078	1581	1810
KØEU	121	272	706	924	1277	1659	1797
K4VUD	61	215	569	780	1024	1444	1643
W9UP	46	200	498	564	787	999	1060
N6PEQ	64	203	391	430	632	893	991
K1DG	48	136	345	429	593	760	799

40 meters. It's time to start working on those low-band antennas if you want to be competitive next year.

The top three QRP scores covered coast to coast. Scott Neader, KA9FOX, operated W9UP in Wisconsin to first place and broke the 1000-QSO mark. It's hard to imagine making that many QSOs amid the contest QRM with only 5 W! In second place with an equally impressive score was Dan Dankert, N6PEQ, in California. Charlie Morrison, WZ1R, visited K1DG in New Hampshire to claim the number-three spot. It took at least 600 QSOs to make the QRP Top 10.

Taking advantage of the same conditions that powered K3LR, the multioperator title was won by the team at N4ZZ in Tennessee. They had a good lead over a tight battle between W6EEN and WXØB.

Clean Sweeps were easier on phone than CW. A total of 369 stations submitted entries eligible for collecting Clean Sweep mugs this year. Of the 1655 logs received for phone, 79 were single-operator QRP entrants, 934 low power, 342 high power, 278 multiops and 22 phone checklogs. Many multiop entries were from single operators using their local packet networks to help them brush up a Clean Sweep.

Regional Competition

There's been talk in contest circles lately that the write-ups only recognize the top scores. That's not necessarily bad (the top scorers deserve the recognition), but we're all aware of inequities created by propagation, geography and demographics. Great operators and stations exist all around the country. We need a way to highlight and encourage regional competition in a way that maintains the existing contest framework.

The Sweepstakes has always featured competition at the Division level. Many operators are justifiably proud of winning their categories, and perhaps a plaque, within their Divisions. To further highlight these races,

the score listings have been redesigned. Entries are now listed by Division and category. This makes it easy to see how you finished in your Division, and easier to find comparable scores in other Divisions.

To initiate a higher level of regional competition, the US and Canada have been divided into five regions. Each region consists of a combination of ARRL Divisions balanced for "best fit" in terms of common geography or population. The challenge of this competition level will be to make the new Regional Top Five boxes for each category. Let's look at the Regions and some of the exciting races within them.

The Northeast Region includes the New England, Atlantic and Hudson Divisions, and the eastern Canadian provinces (VO1, VO2, VE1, VY2, VE9, VE2). The closest CW race here was for high-power honors between KZ2S, K1TO and K1DG (WZ1R, op). On phone, it was down to the wire for high-power entrants K1KI, WB1GQR (WB2JSJ, op) and K3ZO.

The Southeast Region consists of the Roanoke, Southeast and Delta Divisions. There were three close races for CW position. In low power, N4AA and K4PQL battled for tops in North Carolina. The QRP category in Georgia was a virtual tie between KB4GID and WØMHS/4. The multioperator title was for national honors between N4ZZ and W4AQL.

The Central Region includes the Central and Great Lakes Division and the Canadian Province of Ontario. A handful of QSOs can make the difference in where you end up in this Region. K9FD (WX3N, op) made his goal of becoming the first W9 to achieve the overall Top 10 in almost 30 years! Behind him, KQ8M, K8CC and WA8ZDT were engaged in a tense battle. K8BL, K8CX and N4TY were neck and neck in the low-power race. On phone, the tightest race was between high-power entrants W9RE and K8CC (WD8IUP, op).

The Midwest Region covers the West Gulf, Rocky Mountain, Midwest and Dakota Divisions and the Provinces of Manitoba and Saskatchewan. This Region covers the prime real estate for doing well in the Sweepstakes and includes the highest scores. All five of the Region's high-power CW scores made the national Top 10! On phone, the race between K9RS (AA5B, op) and W5KFT (WB5VZL, op) was settled by a difference of just 15 contacts, 2053 to 2038.

The West Coast Region consists of the Southwestern, Pacific and Northwestern Divisions and the western Canadian provinces (VE6, VE7, VE8, VY1). This Region is equally challenging. It took a Top 10 national finish to win any of the four categories on either mode. The QRP race on CW saw AA2U visiting Arizona (and winning) over a tight race between N7IR and NØAX. On phone, in addition to the top two overall scores, it took an overall Top 10 score to make the Regional box.

This year is the first trial of the new Regional competition and reporting in Sweepstakes. If it adds to the excitement and your enjoyment of the contest, let us know. Enough favorable response and it's sure to become a regular feature. Should we do the same Regions for the ARRL DX Contest as well?

Club Competition

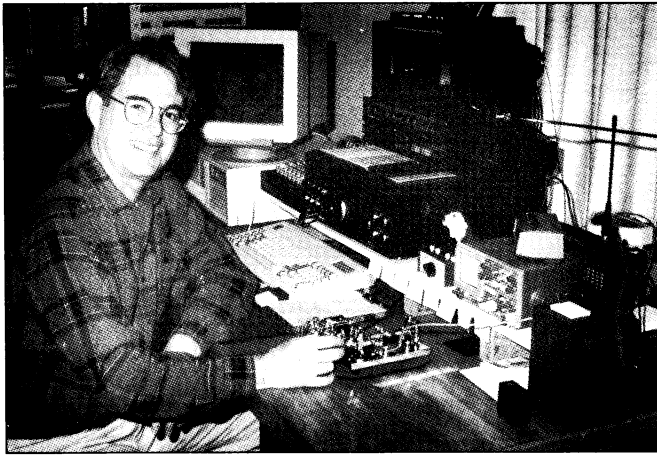
The Affiliated Club Competition might as well be called the California Club Competition! The Northern California Contest Club repeated as champion of the Unlimited Club category. With 80 entries totaling more than 7 million points, the NCCC appears to be beginning another SS dynasty. The second-place Yankee Clipper Contest Club was close with 70 entries, but came up short with a little more than 5 million points.

The Medium Club category saw the Southern California Contest Club move up to the number-one spot after finishing second last year. Competition was fierce, as five of the top six Medium clubs were within two of the maximum allowed number of 50 entries! Look for some 50-entry clubs to move up next year as their memberships grow.

The Local Club Category allows a maximum of 10 entries with all members operating from within 20 miles of the club center. No one has the Sweepstakes prowess within such a small area as the River City Contesters. The RCC smashed the competition in winning its third title of the past four years. It might have been four in a row, but last year they had 11 entries and moved into the Medium category. The Federation of ARO (Illinois) and the Central Arizona DX Association battled it out for second and third.

Final Notes

Special thanks to Assistant Contest Manager Warren C. Stankiewicz, NF1J, and Contest Assistant Anne Jaworski for their help in preparing the results. Mark your calendar for the 1994 Sweepstakes: CW SS is November 5 to 7 and phone SS is November 19 to 21. If you're using a computer for logging, send your entries in electronically.



Ed, AA2PZ, says, "After 30 years of not being on the air, even when you just operate barefoot with a random wire, SS is more fun than ever!"



Craig, NR4E (l), runs stations at N4CXF while Sherman, N4CXF, hunts for an elusive multiplier.

SOAPBOX

CW

We could have done better, but we ran out of Snapple and pepperoni sticks late into the contest (W3GH). Conditions to Europe were terrible—oops, wrong contest (AA7BG). I can't compete with the "big guns," but I still had fun (AA1GE). Contesting was always intimidating to me and I avoided the activity. However, I've become so fond of CW that I thought I'd give the Sweepstakes a try. Surprisingly, I found the experience enjoyable and will probably participate again. I liked the slow-speed CW segments—they were a major impetus for my participation and I suspect other new licensees feel the same way (N1OPZ). Other than my rotator, keyer, computer and antenna problems, and the TVI, it was a great contest (K2SX). It still sounds like I'm hearing CW in the noise from my appliances a day later (A16E). My thanks to my wife for filtering the harmonics (WR1P). We wonder what the round-trip airfare is to Yellowknife (KB2R). The low bands were horrible Saturday night (W1PH). The pileup to work the Pacific Section was incredible! (K1DS). Conditions were so good, it was tough tuning in a couple of signals at a time (NU1P). I'd have clinched the Sweep with an exchange from the Yukon! (NW1S). I only operated CW to confuse the guys used to working KZ2S (KZ2I). The low bands were long! (NJ2L). Sweepstakes should be called "the contest for common hams!" (WA2LUF). This contest is fun even for those of us with wimpy stations (AA2DY). QRP is great for Sweepstakes (WA2ASQ). I don't think I did too bad for 13 hours of participation (WA3SYK). Although circumstances prevented my participating more, I couldn't miss getting in just a little time (N3GUK). I need to find the box with the linear amplifier! (W3HDH). After 128 contacts, my WWII-surplus headsets literally fell apart, so I took my bottle of Nyquil and went to bed (W3IMB). Maine and Yukon must have been frozen solid—I didn't hear either one (N8LM). If I can make 127k barefoot with a vertical, it can only mean one thing—activity must be up! (N4QS). I heard 13 multipliers that couldn't hear me. I need to get an amplifier or find a noisier location (K7GM). Next year, I'll shake a voodoo chicken in the direction of the Yukon (NX4N). My adrenaline was so high, I thought I was going to knock the paddle off the table! (AC4OC). I learned that using a narrow filter isn't good for contests (KP4TK). I've been bitten by the contest bug! (KE4CBB). I couldn't find a VE8, so I called CQ VY1/VE8 for the last 30 minutes. Just two minutes before the end of the contest, VY1JA answered me for the Sweep! (K4LTA). This is the first SS I've participated in and it's a great contest! (N4CT). I knew I shouldn't have missed the four hours! This is my best score yet and I'm looking forward to phone (WA4PGM). Getting that 80-meter dipole up sure helped this year. My amp worked as a great space heater during the contest (WB4NFS). I should have gone to Delaware! You know it's not a good year when you miss the state next door (KX4V). I didn't hear ND,

AR or VE8, but it was still my best showing as far as the number of Sections I worked (K4UK). Every time I managed to get a frequency where I could run stations, the kids forced me off the radio (N4JEO). Sweepstakes brings out the best in a fine bunch of ops! (AA3DK). My score improved, but the "big-gun" stations improved more, so I lost ground. I need to keep improving my antennas (N8RR). I never could find the VE8. This contest is the CW man's test! I couldn't believe some of the QRP signals. I had a great time and some new hams watched, and we say that CW is definitely not dead! (K5SL). My keyer kept jamming on the "dah" side (N5FG). I've finished third twice and second thrice. This one felt good (KR0Y). I was pleased to work my final Section, Wyoming, with 12 minutes left in the contest! (K5RX). I kept my butt on the operating position and had my best SS CW score as a result (NN5T). This is a good way to get your code speed up. The exchange is a killer! (WD5ABC). How we missed NWT is a mystery to us! (WX0B). I sure hate that I didn't find that VE8 (AA5BL). It's difficult to concentrate while running a fever. These were 16 of the most miserable hours of operating I've ever done (N5NMX). Murphy struck at home, at work and in the shack (WC5D). The slow-speed segments were great. They helped me work up my courage to mix it up at 35 wpm on the other bands (AB5OX). This year, I enjoyed making a Clean Sweep on low power without one TVI complaint (K6OY). This was my first Sweepstakes. It was fun, although I never tracked down a VY1/VE8. I managed to pick up a few states I needed toward 5BWAS (KC6X). I got excited when I found VY1JA for Section No. 76 with almost 3 hours left in the contest. I never could find a VE2 to finish the Sweep (WA6GDS). 10 meters never opened up, but 40 and 80 were great (WB2WIK). I can't believe I missed ENY! (N6GL). The trick to working VY1JA was to be polite and slow down to his speed (N5BF). This was my first CW contest and it was a lot of fun, thanks to the slow-speed CW frequencies (KJ6HO). I decided to see how QRP and Yagis compared to 100 W and a vertical (WA7BNM). This is a sensational contest and my personal favorite (NZ1M). The pins are still a great idea. Work only allowed me about four hours of operating time, just enough to make 100 QSOs and qualify for the pin (W6HT). I worked my 77th section on QSO no. 777, and finished with 1313. I'm not superstitious, but maybe I should be! (N6TV). I can't imagine how all my buddies worked PR on phone when I didn't even hear one (AE6Y). I worked Arkansas for the Sweep as Sunday dinner guests were rolling up my driveway (NI6T). I don't know which is worse, copying SS logs or doing my income tax (W6JVA). I could only muster 20 QSOs, but I enjoyed my first CW contest (N2LWL). My score was lower, but I had just as much fun (KK6WS). This was my first time in a CW contest outside of Field Day, and I'm wore out! (KK6IU). Thanks to VY1CM for calling and making a tough

one easy (KV6H). I had a blast, but am getting too old to handle the full contest. This is generally the most courteous group of operators I have heard yet (K7NO). I should have gone Christmas shopping instead (AL7CQ). Bring back Cycle 22, the bands were almost dead (NL7DU). The conditions were crummy! (KL7Y). I could hear the Midwest working the East Coast, but couldn't hear the East Coast (K7FR). I operate in a lot of contests, but SS is tops in my book (WA7FAB). I spent my last hour looking for VE6, but no miracles this year (N7LOX). I didn't work a sweep this time, but I did work a bundle of new states on 80 meters for my 5BWAS (N0AX). Propagation got off to a poor start on Saturday, but things seemed a bit livelier on Sunday (KX7L). This was my first SS in 33 years. Where was NLI? (AA7VG). I had a great time this year! Someday I'll be competitive! (KF8QE). I haven't set any records, but I keep beating my old score (KZ8E). 40 meters provided the bulk of my contacts, but conditions were good enough on 15 for many of my western multipliers (WK8V). I dropped 50 QSOs from last year, but I think I learned something (KV8Q). I left the amplifier on the shelf and fired up the old spare transceiver barefoot. I had a ball! (K8SJ). This is a real contest with lots of participation (K8MBH). Where were the Canadians and the activity on 10 meters? I couldn't find either. I didn't know I could have so much fun running barefoot with modest antennas (KC8BK). After working more than 800 QSOs on 40 and 80, I'll be hearing static crashes for a month (K9BG). It's amazing what 100 W and a low G5RV will do! (WD9HTC). Last year, I missed only Delaware; this year, I missed half of Canada (KB9YO). This was my first time operating QRP! I learned a lot for next time! (W9RE). This one wore me out! (KJ9C). I can understand getting stumped by VE8, but not by VE6! (AA9FG). It was almost like Field Day—no refrigerator, no microwave and no bathroom! (KA9FOX). I had great fun operating in the slow-speed CW portions of the band. My goal was to make 100 contacts for the pin, but when I got to 100, I couldn't stop! (AA9GE). You know you're getting old when only 8 out of 358 stations send a lower check than yours (W0LQ). I'm getting my CW confidence back (WB0HZL). The Iron Curtain may have come down, but someone strung up an electromagnetic curtain at about the Canadian border (K0BJ). I flipped when VY1JA answered my CQ YU with 20 minutes left in the contest! (WX9E). TVI complaints slowed me down and made me run barefoot on 40 and 80 (KM0L). QRP is a challenge and a lot of fun (N0EID). The aurora made it rough this year (WB0O). I had a good time, but I need a sharper filter (VE2WAT). QRP is great, although it takes more effort to complete a contact (VE3FSV). It was interesting to see the 100-kHz spread of CW on 80 meters Saturday evening (VE3EKF). This was my first attempt at a CW contest in the slow-speed segments (VE5ZD). Being a VE6 in this contest makes up for running QRP (VE6SH).

Phone

I can't believe I missed North Florida. I have yet to work anyone from VE8 during SS (WB1DWO). Propagation was unusual on 15 and 10 Saturday evening, but on 15 it allowed me to work W8NR, whom I hadn't seen or worked in more than 30 years! (K8JLF). This was my third Clean Sweep in a row (WB1HBB). We had fun, even though we didn't get the Clean Sweep (WB1EDI). Using a check of 19 causes a lot of repeat requests (W1OP). I missed 10 meters, which was dead this year. Also, no one was on 160 (WA1ITZ). This was my first attempt at QRP and I was amazed at the results. I was only going to work for the pin, but was happy with 75 Sections (W1BYH). My score indicates that my vertical is only slightly better than a dummy antenna, and I loved every minute of it (N1JAC). This isn't the biggest score in the world, but after moving, it was nice to be back on the air (WA1MKE). I wish I could put in enough time to get serious (KB2HUN). I didn't operate as much as last year, but I loved every minute of it (N2MFZ). This was my first contest and I had a great time (N2SIJ). I finally worked SD for WAS! (N2QAN). Lots of coffee and lots of contacts made for a fun weekend. The highlight of the weekend came late Sunday, when I found a KP4 for my last multiplier and my first Clean Sweep! (WA2PNI). I didn't put in a lot of time, but still had lots of fun. After 33 years of SS, the thrill is not gone! (WA2UDT). Conditions on 10 meters were pretty bad for us Novice and Technician operators. My score was lower than last year, but I had a great time trying to run stations on 10 during a band opening Saturday evening (N2LUDU). This was the first year that I was able to make a Clean Sweep. On Sunday morning, the temperature on my shack window thermometer read 20°—a lot can be said for operating "B" class. The amplifier sure kept the shack warm! (WA2WYR). Having the flu Saturday took the competitive edge off (KZ2I). I can't understand how I missed SD and PAC for the Sweep with 1500+ QSOs (K2ZJ). SS is always a lot of fun and keeps your listening skills sharp (K2ZR). This was the most fun I've had yet in Sweepstakes! I got my third straight pin and missed the Sweep by only two Sections (AA2IZ). I complied with all rulemaking entities, including my wife, which is why my score is so low (WB2DVU). The pins and the cups are an outstanding awards idea (WA2POW). There were tons of people on! (NW3C). Every year, it's a different Section that gets harder to contact (WW3S). After getting a Sweep last year, the first time we ever tried SS, I manned the rig all night and was bummed to miss it by about 8 Sections this year—I think we were having too much fun off mike. At least we got those neat pins! (WS1O). This was my first Sweep and it felt good (K4SB). The best moment was working VY1QST on the first call Saturday afternoon (AA4LR). It became difficult to work the close-in Sections with little or no ground wave (WA4AIP). I made 514 QSOs on 40 and 80 and not one Arkansas station called me (K14HN). Yes, you can work SS with QRP—honest! (WD4AVY). The Clean Sweep is challenging and fun! (N4CT). This was my first Sweepstakes and although I didn't make a Clean Sweep, I enjoyed it. It's definitely possible to have fun with SS even when one's antenna is limited to a wire tossed up in a tree (AC4WC). I love this contest! I wish 10 meters was in better shape, though (WF7B). Where were VE1 and VE8? (N5FG). I worked hard, but couldn't make a Sweep on either mode this year (NN5T). The fun I had guarantees that I'll be back for more (KA0RNY). Conditions were excellent and I'm sure some Sweep records will be broken this year (WY7U). Conditions had to be fantastic, as I got good reports for my QRP signal (KA5PVB). When 20 meters died, it went instantly. It seems that conditions were better than they were for CW, though (AB5OX). I never did hear anyone from KP4. This was the first time in four years without a Clean Sweep (WS5R). I'd never heard 10 meters so quiet! (WR6R). I felt like I was running QRP. Were conditions that bad? (AB6FO). My heart was pounding as I worked KP4CZ for the Sweep and I don't even drink coffee! (AB6DI). I can't wait until next year! (KJ6HO). Once again, I didn't work Quebec. The QRP category seemed very competitive this year (WA7BNM). I don't believe I've ever heard so many weak signals before (W6TKV). The pins make it worthwhile to get on for a few hours (W6HT). It certainly was a good feeling to have Clean Sweep

with more than 3½ hours of contest time remaining (WA6DJS). Did someone forget to put a quarter in the propagation machine? (KK6RV). I never thought Delaware would be so hard to get. I had two VE2s waiting in line! (WA6SDM). The multipliers came so quickly that my planned 2 or 3 hours stretched out to 8 hours in a vain attempt to make a Sweep (N6XI). I just can't avoid dupes after my brain has been irradiated with all that RF energy for 24 hours (AB6YL). My 3-element 40-meter beam went up an hour before the contest. I love these LeMans starts (KF6V). I'm always amazed at how propagation changes during the hours of the contest (K16PG). What other contest can one do well in and use almost anything for an antenna? (WA0KDS). Where were all the VE4s? (KC7NX). I enjoyed myself this year; I was shooting for the pin and I got it! (N7XCZ). Running QRP is a humbling experience (W7CFL). I was surprised to see how well I got out on 40 (K7QQ). I know that if I ever had 24 hours of propagation, I could make the top 10 (AL7CQ). I only operated for a short time, but now I know how rare-DX stations feel (N7SEH). The cups are becoming a much sought-after award and I'm one happy operator to have gotten another one (AA8AV). I was sweating out PR and it was great to find NP4Z calling CQ (AA8FE). With an amplifier at my elbow, it was a great temptation to go high power—but I restrained myself! (W8AP). Darn, we were doing great until Sunday morning when we had an omelet attack—it cost us 3 hours and 150 contacts (K88EF). I'm not much of a phone person, but it was fun getting close to the contesters' grail—the Clean Sweep coffee mug (KZ8E). What happened to the KH6s? Did the islands sink and no one tell us? (N6WLX). There's no better way than Sweepstakes to test out the summer's antenna projects (AF8A). I worked 51 Sections in only 89 QSOs—not bad for my first phone SS (KF8BC). I've worked in three

Sweepstakes and have a Clean Sweep in all three. You bet this is my favorite contest (WM8W). My two sons joined me and it made for a fine family effort (AA8FU). This is a real contest with lots of participation (K8MBH). I can taste the coffee in my Clean Sweep mug already! (WA9TPQ). We couldn't have asked for better conditions! (KE9YR). This was my first contest after 20 years away from ham radio (N9OTD). I found and worked my last three multipliers for the Sweep in a 25-minute span! (KB9YO). It was nice to have conditions to the West Coast (W9RE). I had hoped to get another coffee cup, but no luck (WB9CEP). Everybody's signal was strong but mine (AA9FG). It was nice to hear the 10-meter band open, it only seems to do that during contest time (K9DIY). I heard more ND and MB stations than ever before. I had last year's score beat by 2 AM Saturday (WN9P). It paid to check 10 meters! I worked 300 East Coast and W8 stations during a five-hour E_s opening from 2200Z to 0300Z Saturday evening (KA9FOX). I was thrilled to work WAS on my last contact (W2CRS). I was wiped out by the flu after 9 hours (W0OSK). 10 meters was incredible! (N0MQC). The main thing I don't like about Sweepstakes is that it will be another year before we can do it again! (KA0RCK). I used a better antenna than last year's and one tenth of last year's power and doubled my score (KB0EEB). I made 1600 contacts and didn't work South Dakota! (K0IJL). This was my first time over 100k! What a fun time! (N0HJZ). As always, I learned a lot and understand what a long way I have to go! (AA0CR). Where, oh, where was South Dakota? (K0SCM). Most of the stations I tried to work without success on 40 and 80 Saturday were easy calls on Sunday (ND1H). This was my first Clean Sweep after coming so close so many times before (VE3VET). Conditions were surprisingly good on 10 meters. It was nice to work so many other QRP stations (VE6GK).

Ask the Coach!

New contesters or those with smaller stations often wonder what techniques they can use to improve their scores in the Sweepstakes. Let's listen in on one operator and his "coach."

Op: I have a small station so I usually have to call stations. I seem to only be able to average about 20 to 30 contacts per hour. How can I improve my rate?

Coach: Tune faster. You should be able to search and pounce (S&P) on a new band early in the contest at about 50 to 60 QSOs/hour. For the first hour, every station you hear will probably be a new one. Whether you know the call sign or not, as soon as you hear "QRZ," call them. Get the call sign when it's sent as part of the exchange.

Op: I usually find a new station and then spend a lot of time calling to bust the pileup. What can I do about this?

Coach: If you don't get through, put the frequency in the rig's memory or use the second VFO, and keep tuning for another contact. Use the waiting time to locate another potential QSO. That's more efficient use of your time.

Op: When should I try to call CQ?

Coach: Even though you have a small station, there are lots of opportunities to call CQ. Be opportunistic. If you hear a clear spot, spend a few minutes CQing. You may eventually get pushed off the frequency by a louder station, but you have the chance to get a "run" of easy QSOs in just a few minutes.

Op: When should I worry about multipliers?

Coach: The most important thing in the SS is to make contacts. The multipliers will come as your contact total grows. Know what the most difficult Sections are (such as NWT, VY1, VI, PR, DE, WV, WY and VE1) and make an extra effort to work them if you hear them.

Op: The Sweepstakes only allows 24 hours of operation out of the 30-hour contest period. When should I take my off times?

Coach: This depends on the strengths of your station and what part of the country you're in. The rates are usually better on Saturday than Sunday, so operate as much as possible the first night. Many operators go the first 12 hours before taking their first off time. It's usually better to spread your off time over several periods, rather than just one long one. Off times can be any length, but they must be at least 30 minutes.

Op: What else do you suggest?

Coach: Stay motivated and keep pushing. It only takes a little more than 40 contacts per hour to break 1000—a great goal for either mode. Don't waste time listening to your competition. Concentrate on finding and making the next QSO as quickly as possible. Good luck!

Scores

Scores are listed by Divisions and Canada. CW scores are listed first followed by phone. Line scores list call sign, score, QSOs, multipliers, hours, class (Q = QRP, A = Low Power, B = High Power, M = Multioperator), and Section abbreviation. **Bold** denotes a new Division record.

CW

Atlantic Division

K3WW	92,872	611	76	24	Q	EPA
K3TM	46,200	330	70	12	Q	MDC
W3W	41,586	281	74	24	A	EPA
N2WK	41,344	304	68	12	Q	WNY
NY3C	24,108	246	49	14	Q	DE
NW2I	20,650	175	59	14	Q	WNY
W03B	18,704	167	56	14	Q	MDC
WN3F	15,982	131	61	9	Q	WPA
K3TW	12,760	116	55	4	Q	MDC
N3IGA	11,400	114	50	14	Q	EPA
WE3C	9,680	110	44	5	Q	EPA
WA2ZZX	2,254	49	23	16	Q	SNJ
WA3GYW	1,768	34	26	3	Q	MDC
W8J	792	22	18	2	Q	WPA
K2ASJUN	98	7	7	2	Q	WNY

KE3KD	3,828	58	33	9	A	WPA
N3CZB	3,564	66	27	11	A	EPA
AA2FC	3,328	52	32	14	A	WNY
W3DZH	3,300	50	33	3	A	EPA
K2TD	2,726	47	29	6	A	SNJ
N3KJL	1,950	39	25	12	A	EPA
N2KJB	1,656	36	23	8	A	WNY
N3MPV	1,386	33	21	9	A	MDC
WB3LNZ	1,288	23	18	2	A	EPA
N3GUK	736	23	16	4	A	EPA
N3HFX	540	18	15	5	A	DE
WD8LAQ	468	18	13	2	A	MDC
N3PJO	198	11	9	5	A	EPA
W2ORA	120	10	6	3	A	SNJ
N3AFT	50	5	3	3	A	MDC
N3KWQ	42	4	1	1	A	EPA
WF3W	24	4	3	24	A	EPA

K3LR	208,544	1372	76	24	B	WPA
K2ZS	197,600	1300	76	24	B	SNJ
KF3P	189,600	1264	75	24	B	MDC
K3ZO	184,376	1213	76	24	B	EPA
K2ZJ	173,584	1142	76	24	B	WNY
AA3B	158,700	1058	75	24	B	EPA
AB2E	148,504	977	76	24	B	SNJ
N3AM	123,728	836	74	17	B	MDC
K3SA	121,600	800	76	18	B	MDC
WJ2O	96,944	664	73	18	B	WNY
WB2YQH	66,880	440	76	13	B	WNY
W3GN	62,604	423	74	14	B	MDC
W3AZ	56,700	405	70	15	B	MDC
NN3Q	56,166	407	69	12	B	EPA
K2PS	48,384	336	72	24	B	EPA
WT3H	23,940	210	57	9	B	EPA
KT3R	11,592	126	46	22	B	DE
WA3EOQ	11,220	110	51	5	B	WPA
K3TUP	10,388	106	49	5	B	MDC

W3GH (-W9XR)	167,808	1104	76	24	B	WPA
WB2PSI (AA2JN,K2s MP,OS,N2QFZ,WA2s VEZ,K2D,ops)	118,864	782	76	24	B	WNY
W3OV (-NET)	108,984	717	76	24	B	EPA
WD3P (-NET)	87,400	575	76	24	B	MDC
W2SEX (K2s DB,ZR,N2s PEB,TWI,NG2P,K3BYW,ops)	66,832	603	72	18	B	WNY
W3ZZ (-NET)	63,144	547	76	24	B	MDC
W3HVQ (-NET)	81,472	536	76	24	B	MDC
WY3A (-KA3ZK,ops)	70,848	492	72	20	B	EPA
WA2RZJ (-AE2T)	63,218	433	73	24	B	WNY
W3MUM (KA3Gs IXG,OGLOTN,KB3JA,N3s BUE,NFO,OZS,NE3P,W3N3,WW3U,ops)	52,682	371	71	23	B	EPA
K4IX/3 (-NW3K,WD4GOV)	47,320	338	70	24	B	DE
AA2OF (-W2GLN,WA2ISG)	36,300	275	66	23	B	WNY
WR3G (-NET)	30,100	215	70	8	B	WPA
K3JGJ (-NET)	27,512	181	76	9	B	SNJ
KA3WDW (-WA3LVR)	11,000	110	50	5	B	EPA
N3PNV/T (-N3OHO)	7,548	102	37	10	B	EPA
N3AVZ (-W3DZH)	7,310	85	43	5	B	EPA
KY2T (-NET)	6,700	67	50	24	B	SNJ

Central Division

W9UP (KA9FOX,op)	115,824	762	76	24	Q	WI
W9RE	111,872	736	76	24	Q	WI
WA1UJU	75,600	525	72	24	Q	WI
K9JU	54,648	398	69	15	Q	WI
W1KWA	51,980	367	70	14	Q	WI
N9NE	35,912	268	67	12	Q	WI
N9IC	26,908	217	62	12	Q	WI
N9HH	18,792	162	58	24	Q	WI
AE9K	16,632	154	54	8	Q	WI
WN9S	6,308	83	38	5	Q	WI
N9QX	1,276	29	22	1	Q	WI
N0BSH (WE9V,op)	448	16	14	24	Q	WI

K4XU	155,344	1022	76	24	A	IL
WE9V (NB3SH,op)	132,696	873	76	24	A	WI
K09Y	131,208	852	77	24	A	WI
K9UIY	124,336	818	76	23	A	IL
N9JF	120,600	804	75	24	A	IL
WA9TPD	118,256	778	76	24	A	IL
N9CKC	112,176	738	76	23	A	WI
KM8I	91,584	636	72	23	A	IL
K9ZO	91,014	591	77	24	A	IL
KE9YR	90,450	603	75	21	A	IL
WB9HRO	90,288	627	72	24	A	WI
W9KIA	82,416	606	68	22	A	IL
N2GS	80,446	551	73	17	A	IL
W9LO	71,424	496	72	20	A	WI
WB9TJY	66,654	483	69	10	A	IL
KF9PL	66,430	453	75	24	A	IL
W9XU	64,600	475	68	18	A	WI
AA9BJ	62,338	439	71	24	A	WI
KJ9C	62,196	426	73	24	A	IL
AJ9C	61,344	426	72	8	A	IN
WD9HTC	60,590	413	75	15	A	IL
W09S	57,720	390	74	15	A	IL
AA9FG	54,908	371	74	13	A	IN
K9JWI	50,370	369	69	18	A	IN
N0FFZ	47,610	345	69	19	A	IL

W9SZ	45,500	325	70	14	A	IL
AC4HI	45,126	327	69	23	A	IN
NB9Q	44,220	330	67	15	A	WI
W5JQO	43,878	330	71	17	A	IL
N2CKZ	43,560	330	66	19	A	IL
NE0P	43,488	302	72	24	A	IL
WA9AXL	42,076	314	67	11	A	IL
K9UQN	39,128	292	67	10	A	IL
WA9QNU	38,152	251	76	19	A	IL
WB9MLY	37,800	300	63	12	A	IL
WB9PRG	37,800	300	63	24	A	WI
W9MOK (AA9CG,op)	34,720	280	62	10	A	IN
K9KI	34,572	258	67	21	A	IL
K9PPW	34,320	264	65	9	A	IL
W9LNU	31,390	215	73	8	A	IL
K9QYC	30,336	237	64	20	A	WI
WD9CIR	29,484	234	63	16	A	IL
NA1R	29,000	250	58	8	A	IL
W9ERW	28,006	207	62	12	A	WI
AC9C	27,144	234	58	7	A	IL
WB9VVU	26,980	190	71	6	A	IL
WB9UGX	24,720	206	60	20	A	WI
N9EZ	24,644	202	61	24	A	IL
W9ZEN	23,880	199	61	10	A	IL
W9MSE	23,058	183	63	7	A	WI
W4WQD	20,764	179	58	24	A	IN
N9NEX	20,532	177	58	24	A	IL
W9HEI	19,470	165	59	8	A	IL
W9ENR	17,700	150	59	7	A	IL
N9HHA	17,064	158	54	10	A	WI
AA9GF	16,500	150	52	22	A	WI
N9JAK	16,128	144	56	12	A	WI
KB9AMG	15,496	149	52	18	A	IL
K9AHH	15,484	158	49	19	A	IL
N9JW	14,820	130	57	8	A	WI
WB5PRV	14,080	128	55	8	A	IL
N9BMM	13,970	127	55	23	A	IL
N9MDK	13,056	128	51	13	A	IL
KA9QRN	12,546	123	51	11	A	IN
W9RPE	12,540	95	66	14	A	IL
WA9GON	12,100	110	55	9	A	IL
W9KHH	12,000	120	50	6	A	IL
K9CUN	11,610	129	45	8	A	IN
W9FBC	11,200	140	40	16	A	WI
WK9Y	10,948	119	46	16	A	IL
W9YAS	10,192	104	49	6	A	IL
WW1M	10,094	103	49	6	A	IL
N9XX	8,568	102	42	2	A	WI
K9KR	8,250	125	33	9	A	WI
AA9CS	7,568	88	43	14	A	IN
WB9SLU	7,580	105	36	6	A	IN
K9OSH	5,226	67	39	4	A	WI
K9BPPX	4,636	56	38	12	A	IL
WE6A	3,808	56	34	24	A	IL
AG9G	3,744	52	36	3	A	WI
K9DIY	1,672	38	22	11	A	IN
KA9IRS	1,200	40	15	3	A	IN
N9TMU	950	25	19	10	A	IL
N9PNO/T	32	4	4	4	A	IL

K9FD (WX3N,op)	209,440	1360	77	24	B	IL
W0AII (K0FVF,op)	162,624	1056	77	24	B	WI
KE9I	162,162	1056	77	24	B	IN
K9BLG	158,080	1040	76	24	B	IL
K9BG	145,530	945	73	24	B	IL
W9YL	139,062	903	77	24	B	IL
W9YH	128,896	848	76	24	B	IL
W9YT	125,100	834	75	24	B	IL
W2W0E/N	113,392	746	76	24	B	WI
K9CC	100,350	669	75	18	B	IL
K9SW	96,792	654	74	15	B	IL
W9TU	95,850	675	71	20	B	WI
WB8SVN	76,896	534	72	16	B	IL
K9UNA	76,604	508	76	24	B	IN
W9NA	71,650	479	75	12	B	WI
W9NP	54,312	373	20	6	B	WI
NA9J	42,642	309	69	10	B	IL
W9OF	33,120	240	64	18	B	IL
NE9U	10,658	73	13	11	B	WI

K9JLN (KS9O,WE0B,ops)	151,392	996	76	24	M	IL
AA9AX (+KD4ULP,NJ9C)	142,728	939	77	24	M	IN
K9MMS (+ops)	129,944	878	74	24	M	WI
KK9G (+AA9EA,K9PUI,NV9EX)	50,112	348	72	24	M	IN
KB9YO (+NET)	49,420	353	70	24	M	IL
NBLCR (+AA9GQ,N9RUC)	24,704	193	64	21	M	IL
KF9MP (+N9OBM)	2,000	50	20	4	M	IN

Dakota Division

N9CIC	88,200	588	75	24	Q	MN
W4ORPI	59,228	442	67	24	Q	MN
AA9OD	48,144	354	68	24	Q	MN
AA9QB	36,432	276	66	17	Q	MN
W9YHE	32,830	245	67	16	Q	MN
K0TO	20,862	183	57	8	Q	MN
WD0T	156,584	1058	74	24	A	SD
N0AT	152,760	1005	76	24	A	MN
W0HW	131,632	866	76	23	A	MN
K0JL	127,680	840	76	24	A	MN
W0PI	107,596	727	74	22	A	MN
A0Y	100,350	669	75	24	A	MN
W0UC	82,644	582	71	14	A	MN
W0FL	73,292	502	73	24	A	MN
WTK0 (K1LL,op)	65,940	471	70	15	A	ND
N0IH	61,880	455	68	17	A	ND
K0HGM	59,152	452	71	11	A	ND
K0IHM	61,952	382	68	10	A	MN
K0MPH	46,230	345	67	13	A	MN
K0JUX	41,538	301	69	13	A	MN

W8CCI (N2ERI,AA8s HH,MC, K8TCR,KB8DJ,KF8s RW,ZK, N8s OMW,ORM,W8KVU,WB8TIB, WB8MQJ,ops)	30,704 202 76 15 M OH	WV0Q 9,776 84	104 47 7 Q KA 7 6 8 Q IA	K1TIN 26,568 246 54 24 A CT	N7VXG 8,272 94 44 19 A ID	W6PW (N86s AUX,VVD,W6s VV,YE, W71IN,KD8J,ops)	17,784 171 52 13 M SF				
AA8LZ (+W3KM,N8LXL) 30,000 200 75 11 M MI KF8YC (+N8MMB) 27,950 215 65 24 M MI WA8OSE (+NET) 15,544 116 67 10 M OH W8PLP (K8TPQ,N8s PVZ,VKU,ops) 11,700 130 45 19 M MI KD4NXS (+KQ4JL) 8,446 103 41 13 M KY AA8KR (+N8WJQ) 2,646 49 27 24 M MI	108,950 793 75 24 Q NNJ 43,470 315 69 21 Q NLI KB2JE 28,990 223 65 24 Q NNJ WA2ASQ 24,662 209 59 16 Q NNJ WB2CZB 19,200 150 64 15 Q NNJ KD2IX 16,116 158 51 17 Q ENY N1CQ2 11,500 125 46 6 Q ENY K2HID 3,696 56 30 10 Q NLI N2MNN 2,100 42 25 7 Q NNJ	KORWL 126,180 830 76 24 A MO KZ6E/O 120,000 825 56 18 A MC AJ8J 75,828 532 71 24 A NE AA0FO 75,044 514 73 20 A MO WB8SYV 66,654 483 69 19 A NE NS0B 63,900 450 71 12 A MO WN0F 57,392 422 68 17 A NE KF0H 54,720 380 72 8 A IA NU0Q 54,234 393 69 24 A IA NOFMR 52,114 367 71 22 A KS AA0OR 51,474 373 69 24 A IA WA0IYY 42,612 318 67 16 A MO WB0YJT 38,412 291 66 22 A KS KO1NR 30,100 215 70 14 A IA W10H 28,240 214 66 20 A KS W0AWP 25,792 208 62 18 A KS K1OW 25,010 205 61 6 A MO WA0OZP 22,540 161 70 13 A KS W0YZZ 22,320 180 62 10 A MO KA0P 21,080 170 62 7 A MO W0RNG 19,560 163 60 5 A MO NONEN 14,472 134 54 16 A NE NO1ZZ 13,992 132 53 11 A MO W0YRN 11,466 91 63 15 A KS KA0ZAF 11,424 112 51 7 A KS K01FL 11,340 105 54 13 A MO N0AQ 10,272 107 48 4 A NE KB0IDI 8,858 103 43 16 A MO K0JPL 8,450 65 65 11 A MO KF0XV 8,100 90 45 7 A KS WA0DFF 7,000 100 35 13 A IA AA0ME 5,538 71 39 4 A IA KA0CKN 4,608 64 36 24 A KS KC0JA 3,744 48 39 8 A MO W0KVM 3,300 50 33 24 A NE KG0AD 1,426 31 23 7 A MO WB9TNZ 1,200 30 20 24 A MO N0UAX 850 25 17 5 A NE W0RNM 756 21 18 5 A MO	K1T5E 24,444 194 63 14 A CT KR1S 23,280 194 60 9 A CT K21VSJ 22,302 189 59 A NE K1TIG 19,604 168 58 9 A CT K1ATL 19,154 157 61 13 A NH K1UCA 18,648 126 74 20 A EMA K8SH 18,542 127 73 11 A EMA WA1FCN 17,034 167 51 24 A CT WS1H 15,704 151 52 9 A EMA AA1EX 13,000 130 50 14 A NH N8RA 12,900 129 50 5 A CT W1RFQ 11,440 104 55 5 A RI AA1FK 10,340 110 47 24 A CT W1XN 10,120 110 46 5 A ME WA1ML 10,120 115 44 3 A EMA WA1G 9,844 107 46 3 A EMA K5FUVJ 9,776 104 47 6 A CT KR1B 6,148 106 29 5 A ME K81BAC/N 4,928 77 32 21 A CT KA1TQM 4,488 66 34 8 A CT N1HMx 3,960 60 33 7 A CT N1MHB 3,700 50 37 12 A ME K1CWD 3,248 56 29 8 A EMA W1SR 2,944 46 32 2 A EMA N1OPZ 1,656 36 23 12 A CT KA1FMR 1,320 33 20 6 A NH K101RU 784 20 16 A WMA KA1RRX 640 20 16 A WMA N2LTK 338 13 13 2 A CT	N7VXG 8,272 94 44 19 A ID KA9SNF 8,056 106 38 17 A EWA KL7FAP 4,060 70 29 10 A AK K7WPC 3,294 61 27 4 A OR NLTZ 3,224 52 31 5 A AK K7SMW 3,024 56 27 4 A EWA KB7OLZ/T 1,428 34 21 7 A WWA	W7RM (N6TR,op) 218,834 1421 77 24 B WWA AA7NX 182,798 1187 77 24 B WWA K0PP7 168,476 1094 77 24 B MT N7TT 158,312 1028 77 24 B WWA KR7G 150,304 976 77 24 B WWA K7QD 146,762 953 77 17 B ID N7MMQ 144,606 939 77 24 B OR K5PFB 118,200 788 75 22 B OR W7SPV 105,524 713 74 24 ID K7RO 103,896 702 74 24 B OR WA7UVJ 101,088 702 72 19 B WWA W1TR 74,176 488 76 24 B EWA A17B 73,146 501 73 8 B OR W7WHY 54,416 358 76 13 B OR AL7CQ 31,388 266 59 15 B AK N6PZ 15,120 135 56 8 B OR	Roanoke Division W44PGM 100,928 664 76 20 Q VA WB8L 79,200 528 75 22 Q WV N4ROA 52,910 407 65 20 Q VA KVB8 46,720 320 73 1 Q WV WB8JWX 20,790 165 63 9 Q WV WF4U 10,152 108 47 13 Q VA K4GEL 9,400 100 47 9 Q VA AA3DK/4 4,150 83 25 24 Q VA K3SS 2,116 67 27 7 Q VA KA9JQ 1,920 40 24 24 Q NC WB4PNE 378 27 7 24 Q NC	N4AA 158,520 1030 77 24 A NC K4POL 153,520 1010 76 24 A NC WJ9B 133,348 901 74 24 A NC W4MYA 125,096 823 76 18 A VA W40JHY 119,140 805 74 24 A VA K4BAM 89,790 615 73 23 A VA KA4IKH 79,570 545 73 24 A NC K4ARRU 65,274 473 69 17 A VA 2H4YE 64,610 455 71 12 A VA W4YDD 63,240 455 68 19 SC N3OS 61,880 455 68 17 A VA K7GM 61,344 426 72 9 A NC K4FFP 51,100 350 73 16 A VA KX4V 50,256 349 72 15 A VA K4IHN 47,886 347 69 19 A NC K4UK 46,768 316 74 20 A VA WTB9 43,820 313 70 19 A SC W4MFZ 40,936 301 68 24 A VA K04UH 40,612 286 71 14 A SC N4JEO 40,600 290 70 14 A VA WB8NR 36,500 250 73 21 A WV N4AKD 33,138 263 63 12 A VA W3TB 32,760 252 65 9 A NC N4LJS 31,200 240 65 24 A VA WB5QVN 30,550 235 65 24 A VA W6UZ4 29,688 213 68 9 A VA W4LDF 28,294 301 47 8 A VA AA4EL 27,900 186 75 15 A VA K08BK 27,600 200 69 24 A WV K4UL 26,800 200 67 24 A NC W4VC 25,742 211 61 11 A VA K04EWT 25,090 193 65 17 A VA K6BSX 24,696 196 63 15 A WV N4UG 23,622 191 56 14 A SC W4DLJ 22,300 155 72 10 A SC K5AS 20,856 158 66 10 A NC K04QZV 18,922 166 56 24 A NC N4UTY 18,860 170 53 14 A VA K8BPK 15,020 122 65 24 A WV N6MW 15,540 105 74 12 A VA N4MM 15,390 135 57 11 A VA K4CBB 15,232 136 56 15 A SC W3GRB 14,400 150 48 11 A NC WN4BBJ 14,152 122 58 6 A SC W4ARTS 13,860 110 63 15 A SC N4WR 13,780 130 53 12 A SC N4BIA 12,900 129 52 1 A VA K4ARLJ 12,096 108 56 24 A SC AC4QZ 11,920 128 45 24 A NC WB4EEA 10,920 130 42 12 A VA W4SNH 10,658 173 73 19 A VA K04GIA 9,180 102 45 24 A VA AL7HW/4 8,200 100 41 5 A VA AC4XT 7,052 86 41 11 A VA K04XE 4,958 67 37 24 A SC W58A 4,536 63 36 11 A VA WB4ZPF 2,720 40 37 7 A VA WY2V 2,050 41 25 24 A VA K04YRN/T 1,934 44 22 12 A NC WBUT 1,000 25 52 1 A NC W4DFJ 600 20 16 6 A SC N4EE 2 1 1 A SC				
Hudson Division W2GD 118,950 793 75 24 Q NNJ KD2TT 43,470 315 69 21 Q NLI KB2JE 28,990 223 65 24 Q NNJ WA2ASQ 24,662 209 59 16 Q NNJ WB2CZB 19,200 150 64 15 Q NNJ KD2IX 16,116 158 51 17 Q ENY N1CQ2 11,500 125 46 6 Q ENY K2HID 3,696 56 30 10 Q NLI N2MNN 2,100 42 25 7 Q NNJ	230,772 946 76 24 A NNJ WA2STM 117,750 785 75 24 A ENY WA2VYA 110,852 749 74 24 A NNJ AA2FB 100,936 682 74 24 A NLI K2SHL 91,874 647 71 24 A NLI W2HCA 72,150 481 75 21 A NNJ K2UF 64,240 440 73 21 A ENY WA2S 61,050 407 75 22 A NNJ AA2DY 54,168 366 74 19 A ENY N2JOH 49,404 358 69 18 A ENY K2YGM 49,326 373 64 14 A NLI AA2Y 40,128 304 66 16 A ENY K2POF 39,578 257 77 24 A ENY WK2T 38,640 280 69 22 A NNJ WA2MAV 38,458 287 67 16 A NLI WA2BAH 34,720 280 62 24 A ENY WF2Z 32,828 272 16 24 A NNJ WA4VKD 30,150 225 67 24 A ENY NY2U 29,436 223 66 16 A ENY N2LSK 27,140 230 59 12 A NLI WB2BXO 26,240 205 64 9 A NLI W2KTF 26,040 217 60 5 A NLI N2JW 25,420 205 62 12 A NNJ N2TFM 24,428 197 63 13 A NNJ W2DK 23,450 175 67 22 A ENY W2XM 23,296 208 56 12 A ENY WB2FOB 21,090 185 57 14 A ENY KE2SX 20,618 169 61 24 A NLI AA2GS 20,400 170 60 9 A ENY WA2VZQ 20,400 170 60 6 A NLI N2CJJ 19,592 158 62 14 A ENY WA3INC 18,972 153 62 10 A ENY N2BIM 18,788 154 61 7 A NNJ W1GD 18,150 121 75 6 A NNJ W2AG 17,476 156 56 24 A NNJ W2FJA 17,442 153 57 18 A ENY K2ZPA 15,846 139 57 4 A ENY W2NRD 13,600 108 68 12 A ENY N2DCM 13,176 122 54 13 A ENY W2EJG 13,020 93 70 13 A ENY N2LBR 12,800 128 50 15 A ENY WB2YLR 10,672 116 46 7 A ENY KW2D 10,560 110 48 6 A ENY WA2PJL 9,936 108 46 10 A NLI WE2G 9,894 97 51 6 A ENY WB2HKR 9,792 102 48 13 A ENY N2CDJ 9,592 109 44 21 A NNJ N2CQ 9,588 102 47 4 A NNJ W2WX 8,528 104 41 13 A NNJ KA2ANF 8,282 101 41 24 A NNJ WA2FVL 7,632 106 36 14 A NNJ WB2TCV 7,310 85 43 8 A ENY K2GBH 7,056 84 42 2 A ENY N2FTF 6,240 104 30 9 A ENY N2LBZ 6,210 69 45 19 A ENY W2TI 6,200 101 34 24 A NNJ N2LKF 5,376 84 32 8 A NNJ N2LSJ 4,736 74 32 10 A NLI KB2PSX 4,582 79 29 19 A ENY KE2WQ 2,700 45 30 9 A ENY N2QV 2,700 527 27 24 A NNJ K2HVN 2,352 49 24 2 A NLI N2ROR 1,702 37 23 10 A ENY AA2JP 1,452 33 22 14 A ENY N2OJZ 1,064 28 19 7 A ENY N2MZH 748 22 17 2 A NNJ K2RI 96 8 6 1 A ENY	213,136 1384 77 24 B IA K4VC (WX9E,op) 191,268 1242 77 24 B MO N0XA (K0VB,U,op) 193,008 1204 76 24 B KS KM0L 144,704 952 76 24 B MO K0DEQ 11,720 535 76 20 B MO K0BJ 87,450 583 75 16 B KS NJBM 62,020 443 70 10 B KS	213,136 1384 77 24 B IA K4VC (WX9E,op) 191,268 1242 77 24 B MO N0XA (K0VB,U,op) 193,008 1204 76 24 B KS KM0L 144,704 952 76 24 B MO K0DEQ 11,720 535 76 20 B MO K0BJ 87,450 583 75 16 B KS NJBM 62,020 443 70 10 B KS	AB0S (+K0WA,W0CEM) 157,234 1021 77 24 M KS WY0C (+K0AAAM,KG0IW,N0QHZ) 27,652 223 62 24 M KS	New England Division K1TR 102,448 674 76 24 Q NH W1MJ 80,928 562 72 24 Q EMA WA1GUV 79,476 537 74 23 Q VT K1C0J 70,578 467 75 24 Q NH KA1O 62,890 449 70 24 Q MA W1WAI 61,486 433 71 17 Q QH W1MK 57,218 427 67 16 Q EMA W1AW (KH6CP,op) 53,400 356 75 20 Q CT WB2CPU 48,714 353 69 19 Q QMA W1QK 44,622 333 67 24 Q CT W10J 21,168 189 56 10 Q EMA NC1E 17,110 145 59 9 Q CT KA1CZF 16,240 145 56 13 Q CT W1FK 15,000 150 50 7 Q CT NM1K 13,860 126 55 9 Q CT NF1J 9,588 104 46 3 A CT WA1OFT 8,212 94 49 24 Q RI WA1WPR 7,004 103 34 10 Q ME KN1H 5,092 67 38 6 Q VT AA1DL 3,720 60 31 5 Q ME AA1GE 2,538 47 27 24 Q CT KA1UEH 252 14 9 3 Q ME NU1P 84 7 6 3 Q WMA	KY1H (KB1W,op) 121,800 812 75 24 A WMA KZ1M 121,750 801 76 22 A VA N4WD 121,500 821 74 24 A VT KM1X 117,900 786 75 24 A RI A1GE 115,736 782 74 24 A EMA W1PH 115,500 770 75 18 A NH WA1S 110,352 726 76 24 A VT NW1S 105,640 695 76 20 A NH WA1U 80,408 529 76 18 A CT W1KKF 79,716 546 73 23 A CT WS1E 78,884 533 74 19 A NH AA1HJ 78,192 543 72 24 A NH K1BV 77,848 526 74 16 A NH K8JL 75,920 520 73 18 A EMA W1EHC 74,296 502 74 17 A CT N1HRE 73,584 504 73 22 A NH KX1E 73,130 515 71 23 A ME K1DW 66,500 475 70 17 A CT K1NTR 61,800 412 75 15 A EMA K1PLX 60,918 429 71 20 A EMA W1KEE 60,000 400 75 20 A EMA K1DS 58,608 407 72 18 A RI W1BYH 49,500 330 75 14 A WMA K1IM 43,200 300 72 16 A NH N1XQ 42,742 301 71 9 A CT KA1WIF 41,072 302 68 17 A CT K02GE 40,120 295 68 16 A WMA AA1WJ 40,040 286 70 13 A CT AA1HB 38,682 304 63 24 A NH KB1T 38,528 301 64 18 A EMA AB1T 38,190 285 67 16 A VT W1TCT 37,800 278 68 15 A CT K1DH 37,752 286 66 24 A CT W21K 36,850 275 67 17 A EMA NO1V 36,432 253 72 14 A NH AA1AK 35,100 270 65 8 A CT W5TEH 35,074 247 71 19 A RI KB1KM 30,240 210 72 21 A EMA N1JAC 30,150 225 67 20 A VT K8SN 29,685 253 59 13 A NH WATEA 28,800 202 70 19 A CT K1RT 27,600 200 69 9 A CT	W7ZRC 152,152 988 77 24 A ID K7QO 147,840 960 77 24 A WWA KQ7I 138,824 912 76 23 A OR K7FR 132,594 861 77 24 A EWA NMZ 126,434 821 77 24 A WWA AA7KF 122,512 806 76 24 A OR AA7BG 117,140 781 75 24 A MT N7LQX 109,136 718 76 24 A WWA K17Y 76,500 510 75 21 A OR KX7L 68,400 475 72 14 A WWA K7DHP 65,860 445 74 16 A OR WATVN 55,042 377 73 22 A WWA W7QN 48,180 365 68 18 A WWA AA7CP 47,304 324 73 24 A OR K7NHA 47,168 352 70 21 A ID AA7VG 42,700 305 72 24 A WWA N7PNP 35,360 260 68 24 A WWA N7YQR 34,840 260 67 24 A EWA W7MHO 34,336 296 58 10 A EWA N7DM 30,246 213 71 14 A WWA W7POE 29,890 245 61 14 A WWA W7RLP 29,280 240 61 21 A WWA KE7X 26,320 235 56 5 A MT W7R 24,940 245 74 14 A WWA NWXK 24,416 218 56 4 A WWA WC7Q 23,852 178 67 8 A WWA W7TC 22,572 198 57 9 A OR N7ICQ 20,060 170 59 13 A OR W7KJJ 19,038 167 57 2 A WWA WZ7O 18,240 160 57 24 A WWA K7KA 17,516 151 58 5 A ID K1OT 17,238 169 51 22 A WWA K7IOO 13,600 136 50 11 A EWA N7IKG 13,536 144 47 8 A OR K87QOP 13,034 133 49 14 A WWA N7RV 12,000 125 48 8 A WWA N7DOE 10,710 119 45 14 A WWA	N7VXG 8,272 94 44 19 A ID KA9SNF 8,056 106 38 17 A EWA KL7FAP 4,060 70 29 10 A AK K7WPC 3,294 61 27 4 A OR NLTZ 3,224 52 31 5 A AK K7SMW 3,024 56 27 4 A EWA KB7OLZ/T 1,428 34 21 7 A WWA	W7RM (N6TR,op) 218,834 1421 77 24 B WWA AA7NX 182,798 1187 77 24 B WWA K0PP7 168,476 1094 77 24 B MT N7TT 158,312 1028 77 24 B WWA KR7G 150,304 976 77 24 B WWA K7QD 146,762 953 77 17 B ID N7MMQ 144,606 939 77 24 B OR K5PFB 118,200 788 75 22 B OR W7SPV 105,524 713 74 24 ID K7RO 103,896 702 74 24 B OR WA7UVJ 101,088 702 72 19 B WWA W1TR 74,176 488 76 24 B EWA A17B 73,146 501 73 8 B OR W7WHY 54,416 358 76 13 B OR AL7CQ 31,388 266 59 15 B AK N6PZ 15,120 135 56 8 B OR	Roanoke Division W44PGM 100,928 664 76 20 Q VA WB8L 79,200 528 75 22 Q WV N4ROA 52,910 407 65 20 Q VA KVB8 46,720 320 73 1 Q WV WB8JWX 20,790 165 63 9 Q WV WF4U 10,152 108 47 13 Q VA K4GEL 9,400 100 47 9 Q VA AA3DK/4 4,150 83 25 24 Q VA K3SS 2,116 67 27 7 Q VA KA9JQ 1,920 40 24 24 Q NC WB4PNE 378 27 7 24 Q NC	N4AA 158,520 1030 77 24 A NC K4POL 153,520 1010 76 24 A NC WJ9B 133,348 901 74 24 A NC W4MYA 125,096 823 76 18 A VA W40JHY 119,140 805 74 24 A VA K4BAM 89,790 615 73 23 A VA KA4IKH 79,570 545 73 24 A NC K4ARRU 65,274 473 69 17 A VA 2H4YE 64,610 455 71 12 A VA W4YDD 63,240 455 68 19 SC N3OS 61,880 455 68 17 A VA K7GM 61,344 426 72 9 A NC K4FFP 51,100 350 73 16 A VA KX4V 50,256 349 72 15 A VA K4IHN 47,886 347 69 19 A NC K4UK 46,768 316 74 20 A VA WTB9 43,820 313 70 19 A SC W4MFZ 40,936 301 68 24 A VA K04UH 40,612 286 71 14 A SC N4JEO 40,600 290 70 14 A VA WB8NR 36,500 250 73 21 A WV N4AKD 33,138 263 63 12 A VA W3TB 32,760 252 65 9 A NC N4LJS 31,200 240 65 24 A VA WB5QVN 30,550 235 65 24 A VA W6UZ4 29,688 213 68 9 A VA W4LDF 28,294 301 47 8 A VA AA4EL 27,900 186 75 15 A VA K08BK 27,600 200 69 24 A WV K4UL 26,800 200 67 24 A NC W4VC 25,742 211 61 11 A VA K04EWT 25,090 193 65 17 A VA K6BSX 24,696 196 63 15 A WV N4UG 23,622 191 56 14 A SC W4DLJ 22,300 155 72 10 A SC K5AS 20,856 158 66 10 A NC K04QZV 18,922 166 56 24 A NC N4UTY 18,860 170 53 14 A VA K8BPK 15,020 122 65 24 A WV N6MW 15,540 105 74 12 A VA N4MM 15,390 135 57 11 A VA K4CBB 15,232 136 56 15 A SC W3GRB 14,400 150 48 11 A NC WN4BBJ 14,152 122 58 6 A SC W4ARTS 13,860 110 63 15 A SC N4WR 13,780 130 53 12 A SC N4BIA 12,900 129 52 1 A VA K4ARLJ 12,096 108 56 24 A SC AC4QZ 11,920 128 45 24 A NC WB4EEA 10,920 130 42 12 A VA W4SNH 10,658 173 73 19 A VA K04GIA 9,180 102 45 24 A VA AL7HW/4 8,200 100 41 5 A VA AC4XT 7,052 86 41 11 A VA K04XE 4,958 67 37 24 A SC W58A 4,536 63 36 11 A VA WB4ZPF 2,720 40 37 7 A VA WY2V 2,050 41 25 24 A VA K04YRN/T 1,934 44 22 12 A NC WBUT 1,000 25 52 1 A NC W4DFJ 600 20 16 6 A SC N4EE 2 1 1 A SC
N2BA (K8HTV,op) 158,100 1054 75 24 B ENY W2RQ 157,650 1051 75 22 B NNJ W1KML 93,240 630 74 22 B NNJ WA00OA 92,264 607 72 22 A NNJ K2AU 52,578 381 69 15 B NLI WA2UDT 27,200 200 68 8 B NNJ	108,528 714 76 23 M NLI WA2UQP (+WA2JQK) 58,050 387 75 23 M ENY WO2X (+KF2HC,N2s KJM,MZH,WA2s BTR,LXU,WB2JGZ,W2TR) 49,312 368 67 24 M NNJ KU2Q (+K5NA) 31,950 213 75 9 M ENY K2PF (+NET) 29,520 205 72 24 M NNJ KF2LW (+N7LOD) 26,962 221 61 22 M ENY KF2MR (+N2s PEN,POS,QI) 21,350 175 61 22 M ENY NK2F (+KA2YHS) 4,104 57 36 21 M ENY WB2K (+NET) 3,300 50 33										

WC7S 63,360 440 72 24 A WY
WORSR 49,558 349 71 14 A CO
WOLQ 49,404 358 69 19 A CO
WSTTE 47,302 353 67 24 A NM
NGKL 42,560 304 70 16 A CO
KQAP 34,100 275 62 9 A CO
W0SG 30,016 224 67 14 A CO
K9BQL 27,972 222 63 7 A CO
KGOHV 26,240 205 64 13 A CO
KFQGS 25,742 211 61 12 A CO
AA5UR 25,132 206 61 19 A NM
AA0PB 23,546 193 61 15 A CO
NA7R 21,960 183 60 24 A WY
NY0Q 20,246 191 53 14 A CO
N0S1 16,756 142 59 8 A NM
NSOP 15,392 148 52 4 A CO
NTGVV 13,200 100 66 15 A WY
W9KV 10,752 128 42 6 A CO
K17KA 9,984 104 48 11 A UT
WBONHA 9,592 109 44 6 A CO
WODSW 8,880 111 40 6 A CO
K0KR 8,820 90 49 2 A CO
W5GR 2,288 44 26 21 A CO
WB0HZL 1,824 38 27 7 A CO
NSZR 1,232 28 22 4 A CO
N7PLJ 234 13 9 24 A WY
AA7TB 128 8 8 2 A WY

N2IC 216,524 1406 77 24 B CO
AH3C 207,438 1347 77 24 B CO
K7UP (KN5H.op)
197,752 1301 76 24 B NM
W1XE 194,194 1261 77 24 B CO
W4ETO 140,602 913 77 18 B CO
KJ0T 104,424 687 76 24 B CO
A19X 69,788 478 73 9 B NM
N5CT 40,576 317 64 6 B UT
N7LMO 20,618 169 61 11 B UT
NQ01 18,032 196 46 3 B CO
W10S 12,720 120 53 9 B CO

AA5B (+K5TA,K9RS) 223,916 1454 77 24 M NM
AA0NC (+K80EBH) 99,718 683 73 19 M CO
K6XO/7 (+K7RW) 82,050 547 75 11 M UT
NZ7T (+K87MFJ,KG7TE,K17S KY,ST, N7JSH) 71,000 500 71 24 M UT
AA7WQ (K17TS,N7PLJ,NC70,WVC7S, WB0TC.ops) 33,396 253 66 24 M WY

Southeastern Division
W0MHS/4 81,320 535 76 24 Q GA
KB4GID 81,216 564 72 24 Q GA
NAQB 49,248 324 71 22 Q AL
KP4DDB 27,690 195 71 22 Q PR
KE2WB 16,560 120 69 17 Q GA
WB8PAF 13,156 143 46 9 Q NFL
NA4UA 3,604 53 34 20 Q GA

NP4A (K7JA.op) 210,518 1367 77 24 A PR
KP2/N6OP 180,120 1185 76 24 A VI
K0LUZ 130,130 845 77 17 A NFL
WD4AHZ 123,424 812 76 24 A SFL
KP4TQ (KP4TK.op) 122,640 840 73 24 A PR
NP21 121,360 820 74 19 A VI

PHONE

Atlantic Division

K3WW 78,540 510 77 24 Q EPA
NW21 30,520 218 70 14 A WY
W3SMX 29,832 226 66 19 Q WPA
N31GA 17,640 140 60 10 Q EPA
KB2SE 17,400 153 58 6 Q WNY
WE3C 10,560 110 48 6 Q EPA
WB0IWG/T 3,886 67 29 13 Q WPA
KA3YLY/N 16 8 1 24 Q EPA

AD8J 153,692 998 77 24 A WPA
AA2GQ 133,826 869 77 23 A SNJ
WA2UUK 124,432 808 77 24 A WNY
KZ1 117,450 783 75 28 A SNJ
W3BGN 117,040 780 77 15 A EPA
K2DB 111,034 721 77 17 A WNY
WN3K 105,490 685 77 19 A DE
WJ2W 98,648 649 76 21 A WNY
WB2DIN 93,016 604 77 13 A SNJ
K3DI (WD4IEH.op) 90,150 601 75 18 A MDC

WA3HAE 87,552 608 72 24 A WPA
AG3H 77,308 502 77 16 A WPA
N31XR 75,000 500 75 16 A WPA
NA2Q 71,852 506 71 19 A WNY
W0W3 70,840 460 77 17 A DE
N3BGV 69,116 467 74 20 A WPA
AA2PZ 62,624 412 76 14 A SNJ
WT3P 62,250 415 74 18 A EPA
W3W3 61,446 399 77 18 A WPA
NY3C 58,404 471 62 9 A DE
AA3CE 56,544 372 76 16 A WPA
KE2OP 54,362 353 77 19 A SNJ
KZ2R 53,320 430 62 7 A WNY
N2PEB 49,558 349 71 20 A WNY
WF2L 48,980 395 63 13 A WNY
N3KAE 47,652 361 66 16 A EPA
K2MK 47,064 318 74 13 A SNJ
W2IMO 46,800 325 72 14 A WNY

KC4TEO 99,308 671 74 24 A AL
W0SL 97,500 650 75 20 A AL
W4RVU 97,488 677 72 21 A NFL
K4SB 95,304 627 76 18 A GA
N8LM 84,300 562 75 21 A GA
WG4F 82,052 562 73 23 A AL
KN4QV 73,112 494 74 16 A GA
W4NTI 69,750 465 75 24 A AL
W1UA 58,108 398 73 20 A GA
KW4E 48,106 359 67 9 A GA
K4OGG 46,930 361 65 18 A GA
WB4VKW 42,344 316 67 24 A SFL
K7UPJ 38,340 270 71 16 A SFL
AC4OC 36,850 275 67 24 A NFL
K4LDR 34,408 253 68 14 A GA
AD4KM 28,768 232 62 24 A AL
W1W1N 15,792 141 56 6 A SFL
W31MB 15,616 128 61 7 A AL
KC4TEK 15,400 110 70 20 A GA
N4XON 14,960 136 55 16 A GA
KC4QL 13,950 155 45 13 A AL
K0AOP 12,152 124 49 20 A GA
K1FIR/4 10,976 112 49 7 A SFL
KD3GC 8,910 91 45 8 A GA
KA4HDZ 8,000 100 40 13 A AL
WB4GOW 5,396 71 38 9 A SFL
K14Y 4,392 61 36 5 A GA
KQ4VG 1,276 29 22 5 A GA

N4RJ (KM9P.op) 231,000 1500 77 24 B GA
WZ4F 156,864 1032 76 24 B AL
K4BA1 153,976 1013 76 24 B AL
N4BP 150,000 1005 75 20 B SFL
NX4N 86,724 594 73 9 B NFL
KY2P 78,440 530 74 15 B GA
K1ZX 53,480 382 70 7 B SFL
EA4Y 51,264 356 72 24 B AL
KP2/WVS5 28,380 215 66 15 B VI
KP2N 21,716 178 61 9 B VI

W4QIL (N4CXF,WD4DWN,N9HZQ, K4DL.ops) 191,114 1241 77 24 M GA
AB4RU (+NET) 25,856 202 64 6 M GA

Southwestern Division
AA2U 110,850 739 75 24 Q AZ
N71R 90,450 603 75 24 Q AZ
WD71 38,068 307 62 19 Q AZ
WB6JUE 32,120 220 73 11 Q LAX
W6JVA 30,192 222 68 12 Q SDG
W6ZH 28,600 220 65 11 Q LAX
N7JXS 26,650 205 65 17 Q AZ
N5BF 18,480 154 60 13 Q LAX
W9SE 16,800 150 56 4 Q AZ
AD6T 13,630 145 47 12 Q SB
N6RVC 12,720 120 53 7 Q LAX
K16SN 10,578 123 43 8 Q ORG
WA7BNM 10,400 100 52 10 Q LAX
N6AZR 1,872 39 24 8 Q SB
N7LW/L6/T 600 20 15 7 Q SDG

KY7M 179,700 1198 75 24 A WNY
K60Y 173,712 1128 77 24 A LAX
AB6FO 163,400 1075 76 24 A LAX
W6UQF 142,728 939 76 24 A SDG
N7CIX 122,250 815 75 17 A AZ
AA6PW 120,300 802 75 24 A ORG
N6HC 114,000 760 75 21 A ORG
WA6GDS 108,680 715 76 22 A LAX

WA6FGV 104,100 694 75 24 A SB
K6HRT 90,450 603 75 20 A ORG
W7YS 87,704 577 76 18 A AZ
NW6S 74,460 510 73 24 A ORG
KA3DSE/6 72,688 491 74 23 A LAX
N21M/6 64,944 451 72 21 A ORG
NG7S 62,050 425 73 22 A AZ
WB2WIK 60,480 420 72 11 A LAX
WB6HAL 58,646 413 71 22 A ORG
K6VI 56,942 401 71 14 A ORG
NC6U 53,290 365 73 10 A ORG
NN7A 52,050 347 75 17 A AZ
WA7TWI 50,832 353 72 23 A AZ
N6TW 43,736 308 71 13 A SB
WB6YNI 41,676 302 69 12 A ORG
W7ZMD 41,344 272 76 17 A AZ
WZ6P 39,936 312 64 15 A SB
K7SDW 35,058 266 63 13 A SB
AB6NE 30,420 234 65 19 A SDG
W6JXA 29,832 226 66 7 A SDG
N6GL 29,784 219 68 24 A LAX
W6TKV 26,230 215 61 11 A ORG
WA6RND 25,200 210 60 9 A ORG
W6NT 25,172 217 58 18 A ORG
KD9E 23,100 175 66 9 A SDG
N7KFL 17,100 156 57 13 A LAX
AA6AN 15,444 143 54 14 A SDG
N6EQ 15,092 154 49 9 A SDG
W7QJ 14,750 125 59 7 A AZ
K6JHO 13,500 135 50 14 A LAX
K7JUF 11,160 124 45 7 A AZ
W7ERU 10,800 100 54 11 A AZ
WB6EF 10,752 112 48 19 A AZ
KN6LM 10,560 132 40 13 A LAX
WB6KY 10,272 107 48 6 A LAX
NU7V 9,288 108 43 4 A AZ
WZHTX 7,742 79 49 5 A AZ
KD7VI 6,688 101 34 3 A AZ
NA2D 5,874 89 33 12 A LAX
K6ZCL 5,852 77 38 17 A LAX
N6OPR 4,418 47 47 24 A LAX
K6TPDL 3,234 49 33 12 A AZ
K17PL 2,576 46 28 7 A AZ
N6TCZ 224 14 8 2 A LAX
KN6RU 32 4 4 2 A SB

K6LL 212,982 1383 77 24 B AZ
K6NA 186,956 1214 77 23 B SDG
W6EEN (KA6ASR.op) 181,566 1179 77 24 B ORG
K7NO 156,618 1017 77 22 B AZ
K16X 152,608 1004 76 24 B ORG
KE7GH (N7U1.op) 145,530 945 77 24 B AZ
KA5Q 141,218 917 77 19 B SDG
KC6X 139,840 920 76 21 B LAX
K6JYO (K9VV.op) 126,434 821 77 24 B SDG
W6TKF 122,892 798 77 20 B SB
W6MWV 100,670 855 77 24 B SDG
K2PLF 95,400 636 75 18 B ORG
WA5VGI 90,812 622 73 24 B SB
W6AQ (WA6OTU.op) 62,342 427 73 24 B LAX
N6K1 53,132 359 74 9 B SDG
N6AZE 41,026 281 73 18 B SDG
W6JUL 35,000 250 77 11 B SB
WZ9J 21,712 184 59 8 B SB
N6SMW 11,224 122 46 24 B SDG
W6HT 10,622 113 47 4 B ORG
W6UE 1,890 35 27 4 B LAX

N6K1 53,132 359 74 9 B SDG
N6AZE 41,026 281 73 18 B SDG
W6JUL 35,000 250 77 11 B SB
WZ9J 21,712 184 59 8 B SB
N6SMW 11,224 122 46 24 B SDG
W6HT 10,622 113 47 4 B ORG
W6UE 1,890 35 27 4 B LAX

KF2EY 17,400 150 58 24 A WNY
W3TDF 17,284 149 58 7 A EPA
W031 17,236 139 62 11 A EPA
K3KH/L 16,616 136 62 8 A EPA
N31CS 15,876 126 60 10 A EPA
KA3TOV 15,582 147 53 9 A EPA
W3C3P 15,008 134 56 9 A MDC
WA3HGW 14,740 134 55 9 A WPA
KD3TS 14,560 130 56 12 A EPA
N3AFT 14,280 102 70 17 A MDC
N3LBC 14,268 123 58 9 A EPA
KB2XR 14,112 126 56 5 A WNY
AA2PQ 13,716 127 54 24 A WNY
KD3IQ 13,462 127 53 15 A MDC
N3PJQ 13,152 137 49 19 A EPA
W3AGC 12,508 118 53 24 A MDC
AA3EI 12,276 119 52 24 A MDC
WB3ZF 12,250 125 49 9 A EPA
KE3FC 12,204 113 54 11 A EPA
NT2V 12,144 132 46 6 A SNJ
KA3WZY 11,424 119 48 7 A EPA
N3QW/F/T 11,180 130 43 24 A WPA
N3KBI 10,848 113 48 20 A MDC
KA3TG 10,800 108 50 8 A MDC
N2DM 10,764 117 46 24 A WNY
AA3DP 10,578 123 43 16 A EPA
K2HPJ 10,528 112 47 8 A SNJ
W3SSS/2 10,208 116 44 12 A SNJ
KE3KD 10,192 104 48 9 A WPA
WA2CVJ 9,400 100 47 9 A SNJ
WB2ZR/3/T 9,048 116 39 24 A MDC

W3KWH (K3RYA.op) 8,856 108 41 5 A WPA
W3D2H 8,840 85 52 5 A EPA
W02F 8,712 99 44 6 A WNY
K3SA 8,052 122 33 2 A MDC
KA3UIH 7,600 100 38 24 A MDC
N3QVD 6,660 90 37 10 A MDC
N3LYX 6,600 100 33 11 A EPA
K3YDX 6,400 80 40 4 A MDC
N2JL 5,402 73 37 2 A WNY

K3UAL 4,352 64 34 7 A MDC
K3TLX 4,320 60 36 7 A EPA
AA3GE 3,904 61 32 5 A MDC
N2LQQ 3,840 60 32 7 A WNY
K2TP 3,656 59 31 3 A SNJ
KD2AE 2,800 43 31 3 A SNJ
W3E1W 1,496 34 22 7 A WPA
W3IAR 1,100 55 10 5 A EPA
W2IFR 1,080 30 18 7 A WPA
WN3F 1,008 28 18 5 A WPA
W3JN 960 30 16 2 A MDC
W81J 704 22 16 2 A MDC
N3KWQ/T 624 48 13 4 A EPA
WB2DVU 572 22 13 24 A WNY
W3MY 360 18 10 25 A EPA
W0XW 240 12 10 2 A MDC
KA3DQF 112 8 7 5 A MDC
WB3KIC 72 6 6 1 A MDC
KA3GSV 40 5 4 A MDC
WA2YSW 2 1 1 1 A SNJ

K3LR (K3UA.op) 328,328 2132 77 24 B WPA
KE3Q 280,742 1823 77 24 B MDC
KF3P 279,202 1813 77 24 B MDC
K3ZO 277,662 1803 77 24 B MDC
WA3A 253,176 1644 77 24 B WPA
K2ZJ (WA2LCC.op) 234,900 1566 75 24 B WNY
NW3C 233,618 1517 77 24 B WPA
AA3E 218,424 1437 76 24 A EPA
AB2E 214,368 1392 77 24 A SNJ
K3TUP 194,040 1260 77 16 B WPA
KE2VB 152,306 989 77 24 B WNY
AF2K 129,668 842 77 24 B WNY
N3AM 79,050 527 75 8 B MDC
AK3V 70,070 455 77 14 B EPA
K3IXD 63,196 427 74 14 B MDC
WF2V 58,080 440 66 16 B WNY
NA2A 53,534 377 71 8 B WNY
AA2IZ 45,900 306 75 23 B WNY
W2PAU 40,848 276 74 11 B SNJ

N6VR (+AC6T,N8SR) 202,048 1312 77 24 M SB
K6XT (+K6ZH) 179,564 1166 77 24 M SDG
KB7YCS (+AA7PY) 13,416 129 52 16 M AZ
N6XTT (+N6RMJ) 9,000 100 45 24 M LAX

West Gulf Division
NSNMX 64,970 445 73 16 Q STX
KG5U 53,576 362 74 12 Q STX
WA5RES 47,600 350 68 23 Q OK
NSBA 29,696 232 64 24 Q STX
AFBZ 27,480 229 60 10 Q STX
K4NHZ/5 26,752 209 64 8 Q STX
K5DP 16,200 150 54 8 Q OK
KB5KY 11,872 112 53 21 Q NTX

N5RZ 196,840 1295 76 24 A WTX
AD5Q 176,484 1146 77 24 A STX
AC5K 140,144 922 76 14 A STX
NN5T 106,800 712 75 23 A STX
K5ED 81,936 569 72 15 A WTX
W5XD 81,360 565 72 17 A STX
KFSAA 70,546 477 74 14 A NTX
W5ASTOS 69,116 467 74 18 A STX
K5WXZ 65,700 438 75 22 Q NTX
N5QW 55,024 362 76 8 A NTX
WY7U 53,048 349 76 24 A STX
NA4CD 51,750 375 69 8 A NTX
AA5TZ 48,988 331 74 24 A NTX
W5DK 37,630 265 71 10 A NTX
WC5D 36,708 266 69 9 A STX
K09X 31,878 231 69 18 A OK
W5NZ 31,688 233 68 15 A STX
AA5LF 29,394 213 69 20 A STX
K5DX 28,560 204 70 10 A STX
AB5EA 26,964 214 63 11 A STX
W5ABC 25,610 197 65 24 A NTX
AS5WE 25,452 202 63 18 A NTX
K5CM 21,318 187 57 8 A OK
N5KAE 19,782 157 63 12 A STX
AJ4F 18,480 154 60 6 A STX
AA5UO 15,496 149 52 24 A NTX
W5TZN 15,470 119 65 19 A OK
NSNA 13,664 122 56 5 A WTX
N5XUS 13,176 122 54 14 A STX
KC5BDJ 11,600 116 50 24 A STX
W5RRR (WB5PYL.op) 11,424 112 51 11 A STX
K5CNT 11,124 103 54 18 A NTX
AB5OX 11,040 120 46 10 A STX
W5SMUF 9,546 111 43 10 A OK
AA5OJ 9,504 108 44 24 A OK
AB5PP 8,692 106 41 6 A OK
KD5GM 7,560 84 45 16 A STX
AA5HV 2,610 45 29 4 A OK
N5KW 980 35 14 1 A OK
KA0RNY 384 16 12 3 A OK
AB5EL 98 7 7 4 A OK

WM5G (KR0Y.op) 236,512 1556 76 24 B NTX
K5GN 221,452 1438 77 24 B STX
N5M2 212,212 1379 77 24 B WTX
K5MR 209,304 1377 76 24 B STX
AA5BL 199,880 1315 76 24 B STX
K13L 190,498 1237 77 24 B STX
W5KFT (WB5VZL.op) 186,504 1227 76 24 B STX

W5XJ 175,714 1141 77 21 B NTX
W5ASP 152,000 1000 76 18 B STX
W5WQN 110,726 719 77 24 B STX
K5QRX 108,878 707 77 13 B STX
KSLZO 88,008 579 76 24 B STX
KM6H 58,890 453 65 6 B OK
WB5B 52,992 384 69 12 B NTX
K5NW 36,688 312 62 8 B STX
W5NR 21,228 174 61 8 B NTX
K5EC 4,158 63 33 24 B STX

WX0B (+NA5Q,WA92BV) 192,280 1265 76 24 M NTX
K5OJI (KC3N,K05PJ,KT5V.ops) 178,424 1156 77 24 M NTX
NJ1V (+N5RJM) 152,608 1004 76 23 M OK
K51G (+NE5E) 75,776 512 74 8 M NTX
KB5YVT (+K85UHS) 46,800 325 72 17 M STX
KA5W (+K51G) 38,502 279 69 24 M NTX

Canada
VE7YU 43,194 313 69 22 Q BC
VE6BR 37,660 269 70 20 Q AB
VE6SH 16,800 150 56 14 A AB
VESAE 12,240 136 45 15 Q OK
VE2BLX 1,386 49 32 8 Q PQ
VE2ABO 1,154 36 22 7 Q PQ
VE3FSV 1,218 29 21 10 Q ON
VE3RHJ 900 25 18 5 Q ON
VE4VV 135,828 882 77 24 A MB
VE4GV 128,850 859 75 24 A MB
VE5VP 72,588 526 69 21 A SK
VE1AZN 53,872 364 74 16 A MAR
VE7IN 53,480 352 70 19 A BC
VE2EM 53,108 374 71 15 A PQ
VE3ST 40,442 277 73 10 A ON
VE5SF 32,984 266 62 15 A SK
VE7RCN (VE7CYY.op) 30,680 236 65 19 A BC
VE5GC 25,662 233 57 13 A SK
VE3ZTH 20,592 156 66 11 A ON
VE3LPE 19,264 172 56 24 A ON
VE3TEE 17,040 142 60 12 A ON
VE3ZWT 16,468 179 46 24 A PQ
VE6KTT 16,170 147 45 19 A AB
VE3WZ 16,124 139 58 7 A ON
VE3OQZ 14,820 130 45 15 A ON
VE2FFE 12,144 132 46 10 A PQ
VE7BA 10,752 112 48 12 A BC
V05AF 5,700 75 38 5 A MAR
VESZD 912 24 19 7 A SK

VE3EJ (K5ZD.op) 203,528 1339 76 24 B ON
VE7SZ 193,116 1254 77 24 B BC
CH7CQ 186,648 1212 77 24 B BC
VE3AVE 52,360 740 70 11 B ON
CH2AWR 28,416 222 64 17 B PQ
VE1NH (+NET) 66,990 435 77 24 M MAR
VE3BXI (+VE3HSG) 62,926 431 73 23 M ON
VE6AO (VE6S AJL,AMR,CIZ,CNN, GAV,GLR,IJC,KC,KVB.ops) 51,474 373 69 24 M AB
VE3EKF (+NET) 13,420 122 55 8 M ON

W3DQJ 38,808 252 77 12 B MDC
W3YEE 38,346 249 77 14 B WPA
WTH3 36,704 248 74 10 B EPA
KA2KFO 36,000 245 75 18 B SNJ
K2PS 29,000 225 66 24 B SNJ
K2BRN 28,860 222 65 13 B SNJ
WJ2O 28,636 267 54 5 B WNY
W3BCIW 26,334 171 77 24 B EPA
K3MD 23,142 203 57 3 B WPA
W3DPOW 21,868 142 77 17 B EPA
W6AXX 20,352 212 48 6 B MDC
KE3EO 19,250 125 67 13 B EPA
KD3TB 16,060 146 55 5 B EPA
KB2NU 11,552 76 76 5 B WNY
N2AWC 11,186 119 47 14 B SNJ
W3GN 700 25 14 1 B MDC
W3GH (+W9XR) 250,096 1624 77 24 M WPA
W3GNQ (+K3MGH) 235,928 1532 77 24 M MDC
N3MKZ (+N3BUB,WU3M) 155,540 1010 77 24 M EPA
WA3LVR (+KA3WDD) 143,990 935 77 22 M EPA
WB2PSI (KA1NJL,AA2JN, WA2ZKD.ops) 136,290 885 77 21 M WNY
KY3W (+KFP3V) 105,952 688 77 22 M EPA
W3ZZ (+NE) 92,554 601 77 24 M MDC
WU2M (+AA2PS) 77,924 506

W3MUM (KA3s IXG,OTN,KE3FD,N3s BVE,DGK,MPK,OZS,NE3P,NT3B, WW3U,ops)	45,576	379	72	24	M	EPA
KF2U (+NET)	51,898	337	77	14	M	SNJ
WR3L (+NET)	48,664	316	77	16	M	MDC
N3AZZ (+KA3s SMF,TMK,KD3SB, KE3ED,N3s EIX,GZZ,SD,WN3W)	46,816	304	77	24	M	WPA
AA2OF (+KA2OJ,M,KB2MMI,N2s LFG, OMY,TUE,TUF,WTC,W2GLN,WA2ISG)	45,360	324	70	24	M	WNY
KE3GA (+NET)	39,270	255	77	16	M	EPA
KA3TCC (+N3s BWK,KJO,LDJR)	36,140	278	65	17	M	MDC
WR3G (+NET)	32,186	209	77	8	M	WPA
KA3OUT (+KE3GB)	32,000	250	64	18	M	MDC
N2MM (+NET)	23,760	198	60	4	M	SNJ
KE2UV (+NET)	23,100	150	77	12	M	WNY
K3TW (+NET)	16,170	105	77	10	M	MDC
Central Division						
W9UP (KA9FO,op)	161,546	1049	77	24	Q	WI
N9NE	53,130	385	69	17	Q	WI
KF9PL	44,208	307	72	16	Q	IL
N9HH	30,600	225	68	24	Q	IL
KE9YR	22,356	162	69	6	Q	IL
WN9P	228,844	1486	77	24	A	WI
AJ3C	206,100	1340	77	24	A	IN
K4JQ	198,044	1286	77	24	A	IL
K9QVB (N2KCZ,op)	145,530	945	77	24	A	IL
N9NCX	100,254	651	77	24	A	IL
WE9V	91,448	644	77	14	A	WI
W9MOK (AA9CG,op)	81,200	580	70	16	A	IN
WE9A	80,234	521	77	24	A	IL
KE9QT	66,960	465	72	24	A	WI
W9NA	66,452	449	74	24	A	WI
WD9CIR	63,688	419	76	20	A	IL
AK9N	59,341	411	74	17	A	IL
W9JOO	55,748	362	77	22	A	IN
NX9B	53,376	362	74	20	A	IN
W9SZ	53,048	349	76	20	A	IN
AA9FG	52,122	357	73	13	A	IN
WW1M	51,150	341	75	14	A	WI
KB9BNB	50,370	365	69	18	A	IL
NEOP	49,348	338	73	24	A	IL
KB9FVM	48,764	334	73	22	A	IL
KO9Y	44,988	326	69	6	A	IN
K9GH	44,100	315	70	18	A	IL
W9HLY	42,504	276	77	23	A	IL
N9HSG	39,744	288	69	22	A	IL
N2OS	35,712	241	77	13	A	IL
N9BBM	35,052	254	69	22	A	IL
AA9AX	34,928	236	74	10	A	IN
K9QYC	34,656	228	76	11	A	WI
K9GMZ	34,500	250	69	17	A	IL
N9JAK	30,848	241	64	13	A	WI
W9NFM	29,964	227	66	12	A	IL
N9ITX	29,500	250	59	6	A	IL
AA9CS	29,480	220	67	14	A	IL
KF9GQ	29,200	200	73	21	A	IL
N0OKS	28,672	224	64	14	A	WI
W9LNLQ	27,462	199	69	6	A	IL
WD9BJN	25,862	193	67	13	A	IL
WD4IXL	25,192	188	67	24	A	IL
N9ISN	25,172	217	58	7	A	WI
W9RZW	25,074	199	63	24	A	WI
W9MYV	24,278	199	61	18	A	IL
WB9GKA	23,302	191	61	8	A	IL
KB9AIT	23,254	151	77	14	A	WI
AA9FW	23,184	168	69	14	A	WI
KB9AMG	22,968	198	58	15	A	WI
ND9O	22,230	171	65	24	A	WI
K9OSH	22,204	182	61	7	A	WI
AE9K	21,672	172	63	7	A	WI
KF9DB	19,500	130	75	24	A	WI
N9MBKT	19,364	206	47	5	A	IN
KB9IVG/N	18,396	219	42	9	A	IL
W9FBC	17,898	157	57	13	A	WI
KB9CYL	17,160	156	55	11	A	WI
K9MMS	17,094	111	77	11	A	IL
W9IB	15,750	105	75	23	A	IL
WR9M	15,290	139	55	6	A	IL
N9OTD	14,734	139	53	11	A	IL
KF5JQ	14,630	133	55	6	A	IL
W9BZP	14,396	118	61	14	A	IL
KE7UA	13,680	152	45	7	A	IL
K9NA	13,440	105	64	12	A	IL
KF9BH	13,398	117	57	5	A	IN
WA9GON	12,974	103	65	15	A	WI
N9AOT	12,876	111	58	24	A	WI
WN9K	11,730	115	51	9	A	WI
KA9ORN	11,600	108	58	19	A	IN
KF9KH	9,676	118	41	7	A	WI
W9REC	9,372	71	66	12	A	IL
KA9TVT	9,040	113	40	24	A	WI
WQ9C	8,856	108	41	9	A	IN
WA9SLM	8,700	75	58	8	A	IL
WA9YAS	8,400	105	40	6	A	IL
K9JK	8,280	90	46	5	A	IL
WA9SLU	6,656	104	32	4	A	IN
K9WTF	6,240	71	44	24	A	WI
KF9KG	6,160	77	40	12	A	IN
AG9G	5,200	65	40	4	A	WI
K9DIY	3,960	60	33	8	A	IN
KB9GSS	3,172	61	26	9	A	IL
N9KQK	3,008	47	32	4	A	IN
KB9ARA/T	1,476	41	18	4	A	WI
N9THK/T	700	25	14	4	A	WI
KB9ITE/N	576	24	12	3	A	IL
W9RE	295,218	1917	77	24	B	IN
WA9TPO	230,538	1497	77	24	B	IL
WOAIH (N0AXL,op)	201,586	1309	77	24	B	IL
K9BGL	198,814	1291	77	24	B	IL
K9PW	195,624	1287	76	24	B	IL
W9XT	154,154	1001	77	16	B	WI
KB0C	144,144	936	77	18	B	IN
K0FV	136,800	912	75	14	B	WI
WB0CEP	116,180	785	74	16	B	IN
NE5J	115,050	767	70	24	B	WI
WO9Z	110,850	720	77	16	B	IN
K9BG	108,750	725	75	14	B	IL
WD9HTC	101,640	660	77	21	B	IL
WO9B	96,496	652	74	15	B	WI
WG9L	91,050	607	75	11	B	IL
K9LUW	89,850	599	75	20	B	WI
W9OF	62,216	502	57	22	B	IL
W9XU	61,174	419	73	16	B	WI
WA9DRE	56,250	375	75	16	B	IL
W9VY	51,940	371	70	8	B	WI
K9KR	46,350	309	75	16	B	IL
K9DN	45,844	314	73	13	B	IL
WD9GIG	38,000	250	76	20	B	IL
KA9IRS	30,530	215	71	15	B	IN
W9BTY	29,000	250	58	3	B	IL
K9UQN	24,190	205	59	7	B	IL
WD9EJK	16,756	118	71	11	B	IL
K9CC	13,920	145	48	2	B	IL
NE9U	11,858	77	77	9	B	WI
W9HBI	11,000	110	50	4	B	IL
WA9QNU	9,030	105	43	2	B	IL
K9ZO (+WX3N AG9A, WX9E)	286,286	1859	77	24	M	IL
N9XQ (+KE9I, WO9S)	236,698	1537	77	24	M	IN
AA9BVT (+K9XR,N9RBT, NN9S, WB9LRC)	132,748	862	77	24	M	IL
WA9ZZV (+KA9PDA,KB9s BTB,HTN, N9s MLF,TBZ, WD9GWH,KB0CET, WBOBOT)	114,422	743	77	24	M	WI
N9JF (+KB9CEQ,N9MTX)	100,100	650	77	17	M	IL
K9UWA (+KA9A,SD9L,KA9RU)	91,784	596	77	12	M	IN
K9HMO (+K9K1)	78,386	509	77	22	M	IL
KB9FIN (+N9KU)	71,136	468	76	21	M	IL
KB9YO (+NET)	66,374	431	77	24	M	IL
KK9G (+AA9EA,N9JVI,N9VEX)	65,400	326	75	24	M	IN
K9YUG (+KB9BA,N9CPR,WB9WUW)	62,196	438	71	14	M	IL
W9YH (+N4OGW,KB9FKO,N9s NTI, RRE,ops)	59,024	434	68	12	M	IL
W9UB (+NET)	54,516	354	77	15	M	WI
N9LRC (+AA9GG,N9RUC)	50,204	326	77	23	M	IL
N9LJY (+N9NPP,WN9V,WB9RGZ)	46,950	313	75	19	M	IL
WB9RQR (+N9s LLT,NNA,NNB, NNG.QQA,UNR,VGA,WB9LNL,W9IM)	41,076	326	63	24	M	WI
N9KCS (+N9ABD)	32,518	229	71	18	M	IL
N9XX (+NET)	19,712	128	73	13	M	WI
W9BIL (+KA9ND,KB9s BWS,BWT,IMG, KD9AC,KF9NB,N9PLQ,W9V,WX9D, ops)	18,960	158	50	12	M	IL
N9RVW (+N9VBND)	10,416	124	42	24	M	WI
KF9MP (N9s NRU,OBL,OBM, N9VKS,ops)	9,898	101	49	24	M	IN
Dakota Division						
K0TO (N0BSB,op)	95,850	639	75	19	Q	MN
N0AFW	70,224	456	77	12	Q	ND
WOYHE	29,700	225	66	12	Q	MN
WD0T	213,752	1388	77	24	A	SD
AC0W	142,050	947	75	24	A	MN
N0HJZ	109,896	723	76	20	A	MN
ND1H	76,650	525	73	16	A	ND
AA0OB	57,744	401	72	24	A	MN
KB0ZQ	56,000	400	70	10	A	MN
K0MPH	49,800	332	75	12	A	MN
W0UC	44,160	320	69	8	A	MN
K0UXQ	40,200	268	75	16	A	MN
WA0WVWV	39,390	303	65	11	A	MN
K0LR	38,220	273	70	16	A	MN
K0WIU	33,604	271	62	15	A	SD
KB0IHM	33,062	271	61	12	A	MN
K0TG	28,080	230	61	8	A	MN
WR9XJ	26,666	199	67	19	A	MN
W0JUN	26,532	201	66	15	A	ND
KF0UK	25,912	209	62	11	A	MN
N0BHC	16,800	150	56	8	A	MN
N4QLY	15,876	147	54	10	A	SD
AA0OD	13,056	136	48	7	A	MN
KE0A	10,400	100	52	5	A	ND
NY0C	9,270	103	45	4	A	MN
KB0KFW	6,020	86	35	5	A	ND
WA0WCV	5,858	101	29	4	A	MN
AA0GP	2,378	41	29	4	A	MN
KA0ZPP/M	1,426	31	23	4	A	MN
N0AT	281,820	1830	77	24	B	MN
K0JUL	143,048	1599	76	24	B	MN
KA0ZFZ	226,534	1473	77	21	B	ND
K0HB	203,742	1327	77	21	B	MN
KF0GV	169,554	1107	77	19	B	MN
WB0O	126,000	840	75	10	B	ND
K3WT	103,026	669	77	11	B	MN
K9WIE	65,520	455	72	24	B	MN
KM0O	64,184	452	71	6	B	MN
WA2HFJ	27,594	219	63	7	B	MN
N0MNO	19,494	171	57	2	B	MN
K0AD	5,920	74	40	2	B	MN
WOAA (WA0PEV,WB0ADO,ops)	214,320	1410	76	24	M	MN
KR0B (+AF9T,KA0JZV,KJ0B,KS0T, N0BK1)	212,800	1400	76	24	M	MN
K0FC (+AA0U,K0s AD,BUD,KGOAG, N0s BG,KBD,MOQ,NFU,NVH,RUA, WMA9YV,W0POY,WB0ESD, WJ0ME)	120,384	792	76	24	M	MN
K0JAE (+K0JJA)	52,852	362	73	24	M	MN
KA0RBQ (+op)	33,456	246	68	19	M	MN
W0DCO (K0OR,KAOs FUI,FGV,N0RIE,W50V,ops)	25,600	200	64	14	M	SD
N0MSB (+KB0s CKB,GIP,KHZ)	15,120	135	56	19	M	MN
N0XYX (+KB0LFV)	13,400	13				

N1CC/2 26,996 207 64 9 Q ENY
N2KPY 2,704 52 26 7 Q NLI
W2HL 2,450 36 16 6 Q NLI
KD2IX 1,804 41 22 7 Q ENY

KC2AG 112,500 750 75 24 A ENY
WA2PNI 94,248 612 77 24 A NNJ
KS2G 89,540 605 74 17 A NLI
K2UF 80,080 520 77 19 A ENY
WA2DHF 60,590 415 73 8 A NNJ
K2YGM 60,200 430 70 14 A NLI
N2JOH 43,248 318 68 12 A ENY
K2POF 40,040 260 77 24 A ENY
WB2HKK 39,398 314 63 15 A ENY
WB2FOB 38,016 297 64 14 A ENY
KA2VBI 37,760 295 64 16 A ENY
NY2U 33,902 253 67 17 A ENY
N2DCM 33,324 243 69 21 A ENY
N2LBR 33,138 263 63 18 A ENY
N2CKV 31,104 243 64 12 A ENY
WA2ASQ 31,000 250 62 17 A NNJ
W1GD 30,800 200 77 8 A NNJ
WW2X 29,256 212 69 17 A NNJ
N2NKG 28,696 211 68 24 A NNJ
WA1MKE 26,240 205 64 24 A ENY
N2LBZ 26,112 204 64 20 A ENY
WA2BTCV 24,592 201 70 14 A ENY
WB2KHE 23,936 187 64 17 A ENY
WD2K 23,874 173 69 17 A ENY
KA1QQ 23,660 169 70 16 A NNJ
AA2NM 22,920 191 60 14 A NNJ
WA2C 22,244 166 67 24 A NNJ
KA2MCM 21,890 199 55 18 A ENY
KA2ANF 21,560 140 77 24 A NNJ
K2WA 21,294 169 63 22 A NNJ
WB2MRX 21,200 171 62 12 A ENY
AA2GS 20,880 180 58 6 A ENY
N2INN 20,300 175 58 24 A NNJ
N2ATG 19,388 163 53 16 A ENY
N2CDD 18,900 135 70 21 A NNJ
WB2YLR 18,840 144 55 7 A ENY
N2SJJ 15,458 131 59 24 A NLI
AA2OI 15,300 150 51 12 A ENY
K2JCN 15,162 133 57 8 A ENY
WB2BXO 14,670 163 45 8 A NLI
WF2Z 13,804 119 58 9 A NNJ
N2ULW 12,696 138 46 24 A NNJ
AA2JP 12,240 153 40 13 A ENY
WB2AZE 12,100 121 50 10 A NNJ
N2LDUT/ 11,232 144 39 11 A NNJ
K2R 10,752 112 48 5 A ENY
W2KS 10,340 110 47 8 A ENY
N2OAN 10,120 115 44 24 A NLI
N2KYP 9,630 107 45 8 A NLI
N2ELW 8,480 106 40 9 A NNJ
W2XM 7,920 90 44 5 A ENY
KB2EZN/T 7,600 100 38 10 A NLI
K2RO 6,943 131 53 10 A NNJ
KB2PSX 6,800 85 40 8 A ENY
KW2P 6,478 79 41 10 A NLI
WA2VYA 6,162 79 39 3 A ENY
N2JF 6,106 71 43 7 A NNJ
K2FCE 5,148 66 39 24 A ENY
K2FCE 4,824 67 38 7 A ENY
N2TFM 4,636 61 38 7 A NNJ
N2OJZ 4,094 89 46 8 A ENY
W2NRD 3,600 50 36 8 A ENY
N2NYP 3,224 52 31 13 A NNJ
N2MBM 2,790 45 31 5 A NLI
KE2WO 2,496 48 26 3 A ENY
KE2XF 1,476 41 18 10 A ENY
N2CJJ 900 25 18 3 A ENY
N2JZK 800 25 16 8 A ENY
K2HVN 798 21 19 2 A NLI
WA4VKD 432 18 12 24 A ENY
N2SHP 364 14 13 5 A NLI

WB2K 232,694 1511 77 24 B NNJ
WM2V 144,450 963 75 24 A NLI
N2IWE 134,750 875 77 24 B NNJ
WA2SYN 113,004 774 73 22 B ENY
WA1KKM 101,024 656 77 23 B ENY
N2CFD 64,680 420 77 24 B NNJ
WM2Y 40,320 288 70 23 B ENY
WA2UDT 39,888 277 72 7 B NNJ
K2LG 36,300 275 66 10 B NNJ
N2BIM 30,800 200 77 10 B NNJ
KB2HN 25,438 216 59 7 B ENY
W2XU 22,776 144 77 24 B NNJ
K2AU 21,204 177 62 15 A NNJ
KA2NW0 18,876 143 66 6 B NLI
N2BCC 13,104 104 63 24 B NNJ
W2GD 11,858 77 77 4 B NNJ
KE2DF 9,360 117 40 8 B ENY
W2KZE 8,736 104 42 24 B NLI
KC2Q 6,720 70 48 3 B NNJ
K2DNN 5,740 70 41 6 B ENY
N2KLO 4,346 53 41 6 B ENY

**KY2J (+KA2TIP,KU2Q,WA2STM,
K5NA,J9SSV)**

237,900 1545 77 24 M ENY
WA2UKP (+AA2DY,K2JSC,N2s SKH,
STD,WA2JQK)

219,142 1423 77 24 A ENY
KF2LW (N2s PEN,POS,N7LOD)
91,048 599 76 23 M ENY
N2KRR (+KB2LHH,KF2CP)
89,782 583 77 23 B NNJ
AD2S (+KA2UYI)
83,952 583 72 15 M NLI
NN2V (+NO2X)
62,216 404 77 24 M NNJ
NN2T (+NO2T)
59,752 388 77 24 M NNJ
N2KJM (+N2s MZT,TES)
54,020 365 74 22 M NNJ
KF2MR (+N2QPI)
46,512 323 72 24 M ENY
N2MFZ (+NET)
42,104 277 76 21 M ENY
WA2OFI (+N2AII)
41,328 287 72 18 M NNJ
N2LSK (+KA2GWM,KB2PTK,
KF2ER,N2s STU,SKY,TKA,WB2BPR)
41,138 307 67 24 M NLI
N2PBN (+N2LDR)
34,020 270 63 22 M ENY

K2MFF (AA2LT,N2s MSO,MTA,PVD,
TBK,WW2),ops
32,944 232 71 18 M NNJ
K2ONP (+NET)
30,940 221 70 8 M ENY
KD2L (+NET)
30,600 204 75 10 M NNJ
K2QMF (+NET)
28,952 188 77 11 M NLI
WA2WYR (+NET)
27,720 180 77 16 M NNJ
WB2RQX (+KB2MER)
27,720 180 77 24 M NNJ
KB2ZJJ (+KB2KDY)
23,058 183 63 21 M ENY
KF2BH (+NET)
21,312 144 74 24 M NNJ
WA2ZGO (+op)
20,790 135 77 12 M NNJ
KC2QM (+N2TDS)
10,800 120 45 8 M NNJ
W2CXN (KB2NPJ,N2QPO,ops)
5,810 83 35 5 M NLI

Midwest Division

KOSCM 109,896 723 76 24 Q NE
WOGWT 18,000 150 60 24 Q MO
KE4KE 14,760 123 60 17 Q IA
AD9P 11,220 102 55 5 Q MO
N0EID 10,682 109 49 8 Q MO
KG0BZ 7,396 86 43 17 Q KS
KM0L 140,448 924 76 24 A MO
WN0G 89,850 599 75 20 A IA
KF0HF 77,848 526 74 12 A MO
KF0MF 59,860 410 73 14 A KS
KOPFY 53,436 366 73 22 A NE
WA8ZNC 53,392 376 71 20 A NE
KOVGB 51,800 350 74 16 A KS
KOVBU 51,408 357 72 11 A KS
KB0DI 50,662 347 73 19 A MO
KCOGM 46,500 310 75 24 A IA
WA9LK 44,928 312 72 22 A IA
KG0AD 44,238 303 73 19 A NE
NIGS 41,144 278 74 14 A KS
KCOGL 35,376 264 67 19 A KS
NU0Q 31,416 231 68 10 A IA
KCOCL 29,748 222 67 24 A MO
KE0YJ 24,700 180 65 10 A MO
KA0CKN 24,120 201 60 23 A KS
NOKLN 22,100 170 65 10 A MO
WX0G 21,228 174 61 9 A MO
KE0AH 21,000 150 70 20 A MO
WB9TNZ 20,608 161 64 24 A MO
KB0IDB 20,538 163 63 13 A MO
WOSPF 20,384 182 56 18 A KS
NO1ZZ 18,012 158 57 11 A MO
NO1XY 16,740 135 62 12 A IA
KG0ED 15,276 134 57 7 A NE
N0LQA 14,080 128 55 4 A NE
AA0OR 13,624 131 52 9 A KS
KB0BQ 13,480 127 53 9 A MO
KA0BHO 13,440 120 56 10 A KS
NS0B 12,960 120 54 4 A MO
KA0EIC 12,644 109 58 11 A KS
NOVVF 11,752 113 52 12 A MO
WA0OUI 11,564 118 49 5 A MO
NOJWI 10,682 109 49 7 A IA
NOJHX 10,600 106 50 6 A MO
W0YZZ 10,094 103 49 6 A MO
KA0BAT 9,870 105 47 7 A KS
AA0PC 9,728 128 38 8 A KS
N0KZY 9,576 114 42 13 A IA
W0KYM 9,000 90 50 24 A NE
K0JPI 8,320 65 64 6 A MO
WN0F 8,000 100 40 4 A NE
WA0IYY 7,998 93 43 6 A MO
NOUAX 7,828 103 38 5 A NE
WS9E 7,800 100 39 5 A MO
NOOFX/T 6,572 106 31 11 A MO
KB0JNK/N 5,916 87 34 3 A KS
KO1NR 2,184 42 26 2 A IA
KA0P 1,872 36 26 2 A MO
NOUVP/T 32 8 2 5 A NE

K4VX (AA0CR,op)
220,220 1430 77 24 B MO
K0DEE 164,160 1080 76 17 B MO
WX0U 156,772 1036 76 21 B KS
N0MQO 117,472 789 74 18 B IA
N0OCT 74,460 510 73 23 B MO
WB0HK 53,048 349 76 23 B MO
WOPPF 25,606 217 59 23 B IA
KC0JA 24,480 180 68 10 B MO
AA0A 7,918 107 37 3 B MO
WV0Q (+N8JM,AB0S,K0WA)
233,156 1514 77 24 M KS
K0GND (+N0SAG,WA0WRI,W0DEGK)
190,190 1235 77 23 M NE

**AA0FB (+KB0JCB,K0DAY,KG0BZ,
NOPDL)**

149,112 981 76 24 M KS
N0MMA (+N0SAG,WA0WRI,W0DEGK,
WB9GKV,K0DAS,KB0JHK,K0COVT,
N0LNO)
148,656 978 76 24 M IA
WB0YJT (+NOPDL)
100,594 689 73 24 M KS
KA0RCK (+N0s LOT,MRZ,TY,W,ZGO)
95,326 619 77 24 M KS
AC0E (+KA0RID,N0s BOW,OOK)
65,448 449 73 22 M KS
WW0H (+KB0IDQ,NOTYS)
56,700 405 70 13 M KS
N0VVP (+WB0JDK)
49,742 323 77 19 M KS
NOJUT (+KB0JSU)
28,288 221 64 24 M NE
KB0EEB (+N0OVT,WV0s R,S)
26,196 222 59 12 M KS
W0CET (KA0KAN,KB0JYL,KF0SB,N0s
WIR,YIR,ops)
9,460 110 43 5 M KS
N0OFR/T (+NOJUZ)
2,068 47 22 4 M NE
NOPGV (+N0PGW)
1,254 33 19 13 M KS

New England Division

K1DG (WZ1R,op)
119,504 776 77 24 Q NH
WA1LNP 55,440 360 77 23 Q NH
KH6CP 39,120 24 24 Q CT
W1BYH 32,850 219 75 15 Q WMA
NM1K 17,516 151 58 7 Q CT
KA1CZF 12,446 127 49 9 Q CT
K21M 181,874 1181 77 24 A WMA
AC1Z 95,484 654 73 22 A NH
W1XN 95,480 620 77 22 A ME
K1VSJ 76,000 500 76 17 A RI
WA1S 70,700 505 70 11 A NH
WB1HBB 66,682 433 77 21 A NH
WB1DWO 66,284 434 73 16 A CT
KSZD 64,800 432 75 8 A WMA
WA1LJP 60,522 390 77 24 A CT
KB1KM 57,304 377 76 22 A EMA
AA1EY 51,830 355 73 21 A WMA
KC1SQ 50,646 367 69 12 A EMA
AA1AK 50,120 358 70 10 A CT
W1EHC 44,198 287 77 9 A CT
WB1EM 40,256 296 68 13 A CT
AA1HB 40,044 282 71 24 A EMA
N1HKV 35,500 250 71 12 A EMA
WA1IML 34,224 248 69 8 A EMA
KB1KA 32,562 243 67 14 A RI
NQ1IK 28,500 190 75 10 A CT
K21M 26,650 205 65 14 A CT
KA1TOM 26,586 211 63 12 A RI
K1RT 24,600 164 75 11 A CT
WA2SCA 24,190 205 59 12 A EMA
KB1LF 24,034 197 61 7 A EMA
N1LGN 23,058 189 61 13 A ME
K1HMO 22,192 152 73 9 A RI
K1ATL 21,580 166 65 15 A NH
N1KWJ 20,650 175 59 17 A CT
AA1GE 20,008 164 61 24 A CT
WA1LXP 17,160 143 60 14 A EMA
K1JBS 16,758 147 57 12 A CT
KA1VY 15,876 147 54 10 A EMA
K1FUV 15,370 145 53 10 A CT
WB2UMF 15,312 132 58 7 A EMA
N2LTK 15,048 114 66 11 A CT
N1MHB 14,480 124 60 13 A ME
WA1ITZ 14,600 146 50 20 A VT
N1NCI 13,680 114 60 17 A NH
AA1GC 13,440 112 60 5 A WMA
K1D1C 13,230 135 49 9 A CT
KS1N 12,544 112 56 7 A NH
KA1ALT 12,240 120 51 24 A EMA
WU1F 11,600 100 58 24 A EMA
NO1J 11,172 133 42 5 A EMA
K01FF 11,118 102 51 9 A EMA
KA1OKH 11,040 120 41 11 A WMA
N1JST 10,342 123 42 24 A MA
WM1G 9,800 100 49 6 A EMA
N1OPV 9,600 120 40 15 A ME
K1AGM 7,680 80 48 10 A EMA
WN1S 5,928 78 38 2 A VT
KA1WIF 3,626 49 37 3 A CT
N1OKF/T 2,900 50 29 11 A CT
K4JKB 1,872 39 24 2 A CT
KA1PU 748 22 17 8 A WMA
KA1PRD 260 13 10 7 A ME
KA1LDS 126 9 7 24 A VT

Northwestern Division

WA0RJY 39,200 280 70 24 Q WWA
N7RWJ 26,934 201 67 24 Q EWA
WB9HJT 1,000 25 20 3 Q OR
K7QK 278,740 1810 77 24 A WWA
W7ZRC 210,518 1367 77 24 A ID
K7FR 206,052 1338 77 24 A WWA
W7YQA 177,100 1150 77 24 A OR
K7MM 171,248 1112 77 24 A EWA
N7LQX 124,944 822 76 24 A WWA
K7GNX 101,840 670 76 24 A MT
W7QN 67,344 488 69 15 A WWA
WS7V 65,664 432 76 14 A EWA
KA7SDW 62,764 442 71 17 A OR
N7SKI 56,176 404 72 24 A MT
W7DK (WA7UQV,op)

55,188 378 73 10 A WWA
K7CYN 43,880 336 65 13 A MT
KK7A 40,064 313 64 6 A ID
KA7BG 40,020 290 68 10 A MT
W7POE 38,056 284 67 18 A EWA
KA7MYU 36,500 250 73 17 A WWA
W7WKB 34,080 240 71 17 A EWA
W7WMO 32,376 228 71 9 A EWA
N7OYR 32,096 236 68 18 A WWA
N7DOE 28,832 212 68 13 A WWA
NI7T 26,488 172 77 15 A OR
KY7K 26,220 190 69 17 A WWA
WB7CYO 24,000 200 60 9 A ID
K7IOO 23,184 168 69 8 A EWA
AA7KF 22,800 207 57 5 A OR
W7RCL 22,388 193 58 19 A WWA
AA7XN 21,452 173 62 6 A EWA
N7ICK 20,862 171 61 9 A OR
K7IKF 19,890 153 65 16 A ID
KL7FAP 18,216 198 46 11 A AK
W7AFNE 18,172 154 59 14 A WWA
KG7VQ 16,642 157 53 18 A MT
WV1S 15,312 132 58 11 A OR
AA7VT 15,228 141 54 12 A WWA
W7KJJ 12,744 118 54 24 A WWA
KB7VGZ 12,100 121 50 16 A OR
KG7CC 10,560 110 48 9 A WWA
N7OZN 10,080 112 45 16 A WWA
WA7UJ 9,990 111 45 4 A WWA
N7RV 9,800 100 49 6 A WWA
AA7XP 9,476 103 46 24 A OR
N7VYJ 9,240 110 42 24 A ID
KB7NKP 8,800 110 40 7 A WWA
AL7B 7,416 103 36 7 A AK
KA4SWL 6,972 83 42 7 A WWA
K7DPL 6,794 79 43 5 A WWA
KL7WP 6,320 79 40 14 A AK
W7OVJ 3,162 51 31 7 A MT
KB7WDF 1,120 28 20 3 A ID
K7SMW 714 21 17 24 A EWA
KA9X 288 12 12 1 A OR

55,188 378 73 10 A WWA
K7CYN 43,880 336 65 13 A MT
KK7A 40,064 313 64 6 A ID
KA7BG 40,020 290 68 10 A MT
W7POE 38,056 284 67 18 A EWA
KA7MYU 36,500 250 73 17 A WWA
W7WKB 34,080 240 71 17 A EWA
W7WMO 32,376 228 71 9 A EWA
N7OYR 32,096 236 68 18 A WWA
N7DOE 28,832 212 68 13 A WWA
NI7T 26,488 172 77 15 A OR
KY7K 26,220 190 69 17 A WWA
WB7CYO 24,000 200 60 9 A ID
K7IOO 23,184 168 69 8 A EWA
AA7KF 22,800 207 57 5 A OR
W7RCL 22,388 193 58 19 A WWA
AA7XN 21,452 173 62 6 A EWA
N7ICK 20,862 171 61 9 A OR
K7IKF 19,890 153 65 16 A ID
KL7FAP 18,216 198 46 11 A AK
W7AFNE 18,172 154 59 14 A WWA
KG7VQ 16,642 157 53 18 A MT
WV1S 15,312 132 58 11 A OR
AA7VT 15,228 141 54 12 A WWA
W7KJJ 12,744 118 54 24 A WWA
KB7VGZ 12,100 121 50 16 A OR
KG7CC 10,560 110 48 9 A WWA
N7OZN 10,080 112 45 16 A WWA
WA7UJ 9,990 111 45 4 A WWA
N7RV 9,800 100 49 6 A WWA
AA7XP 9,476 103 46 24 A OR
N7VYJ 9,240 110 42 24 A ID
KB7NKP 8,800 110 40 7 A WWA
AL7B 7,416 103 36 7 A AK
KA4SWL 6,972 83 42 7 A WWA
K7DPL 6,794 79 43 5 A WWA
KL7WP 6,320 79 40 14 A AK
W7OVJ 3,162 51 31 7 A MT
KB7WDF 1,120 28 20 3 A ID
K7SMW 714 21 17 24 A EWA
KA9X 288 12 12 1 A OR

K0PP/T 289,982 1883 77 24 B MT
N7TT 255,948 1662 77 24 B WWA
A17W 219,758 1427 77 21 B OR
K7FR 209,594 1361 77 23 B EWA
W7AFOE 197,274 1281 77 24 B WWA
NB7N 183,106 1189 77 20 B WWA
N7MMQ 182,798 1187 77 21 B OR
AL7CQ 159,578 1093 73 11 B AK
W7OM 118,580 770 77 15 B WWA
KE7X 68,226 461 74 10 B MT
W7TA 65,912 423 72 14 B OR
K7GKW 45,122 293 77 18 B OR
W7LZP 42,658 277 77 13 B WWA
WA7PVE 36,720 255 72 24 B WWA
N7WJJ 36,068 254 71 24 B OR
N1MM (+K1NYK)
216,144 1422 76 24 M CT
W1OP (K1s DS,PLX,N1BMM,
NS1K,ops)
210,210 1365 77 24 M RI
W1QK (+N1OFZ)
152,768 992 77 24 M CT
W1NG (+NET)
118,888 772 77 11 M CT
K1KP (+N1OEK,WB1AOP,WX1Z)
113,190 735 77 24 M EMA
K1DW (+K1NCN,KAD1MM,N1EOL)
104,770 680 77 24 M CT
W1YK (KA1s P,OKJ,K1D1OP,N1s
ILZ,KJP,LSH,OQJ,NQ1R,WX1H,
W1KLO,KBSWQZ,ops)
92,554 601 77 22 M WMA
N2KP (+KA1ZMX,KB1AJS,N1KWF,
WA1WJE)
92,400 607 77 24 M NH
KA1YWZ (+KB1ASU,N1s IVB,KRU)
86,556 564 77 24 M RI
K2SX/I (+NET)
77,462 503 77 24 M CT

WX1O (+WE3Z)
77,000 500 77 24 M VT
W1FM (+op)
63,512 467 68 10 M EMA
AK1N (+NET)
63,140 410 77 15 M CT
WZ1K (+KA1ZF,N01DPY)
54,750 365 75 24 M EMA
K1DII (+NET)
50,920 335 76 24 M CT
N1JAC (+KA1YTR)
50,250 335 75 20 M WMA
NX1Q (+NET)
49,434 321 77 12 M CT
K1TO (+NET)
45,738 297 77 6 M CT
WB1BXB (+N1s FIL,H0KJ,K1M,KLP,
NLT,ORD,WA,WA1RLO,WW1G)
40,280 265 76 23 M NH
WS1F (+NET)
34,650 225 77 15 M CT
WB1EDI (+N1OZF)
30,208 236 64 19 M NH
WA1ALM (+NET)
30,150 225 67 10 M NH
N1NUA (+W1DLC)
30,044 203 74 20 M ME
WE1J (+K1CZ,N1s DYM,JRO,KHU,
NQ1L,WA1ERJ)
29,380 226 65 24 M ME
KZ1O (+N1OEZ)
24,000 200 60 14 M NH
W1BK (+NET)
23,562 153 77 12 M EMA
KD1GG (+NET)
21,560 140 77 11 M EMA
NG1J (+NET)
17,100 114 75 8 M CT
KA1FMR (+KG1L)
14,877 111 67 15 M NH
KA1OOH (+WA1YTW)
13,536 141 48 14 M NH
W1BIH (+NET)
13,244 86 77 24 M CT
WF1L (+N1LDQ)
12,320 80 77 17 M WMA
W1YF (KA1USL,KD1QS,N1s JFO,
LOO,QHD,QJP,QMA,ops)
10,058 107 47 24 M EMA
N1ISO (+N1GRC)
2,968 53 28 10 M EMA
N1QME (+op)
1,040 26 20 2 M RI

Southwestern Division

WA0RJY 39,200 280 70 24 Q WWA
N7RWJ 26,934 201 67 24 Q EWA
WB9HJT 1,000 25 20 3 Q OR
K7QK 278,740 1810 77 24 A WWA
W7ZRC 210,518 1367 77 24 A ID
K7FR 206,052 1338 77 24 A WWA
W7YQA 177,100 1150 77 24 A OR
K7MM 171,248 1112 77 24 A EWA
N7LQX 124,944 822 76 24 A WWA
K7GNX 101,840 670 76 24 A MT
W7QN 67,344 488 69 15 A WWA
WS7V 65,664 432 76 14 A EWA
KA7SDW 62,764 442 71 17 A OR
N7SKI 56,176 404 72 24 A MT
W7DK (WA7UQV,op)

55,188 378 73 10 A WWA
K7CYN 43,880 336 65 13 A MT
KK7A 40,064 313 64 6 A ID
KA7BG 40,020 290 68 10 A MT
W7POE 38,056 284 67 18 A EWA
KA7MYU 36,500 250 73 17 A WWA
W7WKB 34,080 240 71 17 A EWA
W7WMO 32,376 228 71 9 A EWA
N7OYR 32,096 236 68 18 A WWA
N7DOE 28,832 212 68 13 A WWA
NI7T 26,488 172 77 15 A OR
KY7K 26,220 190 69 17 A WWA
WB7CYO 24,000 200 60 9 A ID
K7IOO 23,184 168 69 8 A E

W6PW (W6VV KD6s CFW,ET,LCY,
MOT,VWP,VDY,NBGWT,ops)
28,032 219 64 24 M SF

Roanoke Division

WD4AVY 477 342 73 21 Q NC
WF4U 25,172 203 62 13 Q VA
WF4I 23,322 169 69 15 Q VA
KVBS 20,400 150 68 9 Q WV
K3SS 7,830 87 45 6 Q VA
KC4LSG 3,360 60 28 7 Q SC
N4ZAK 264 12 12 17 Q NC

N8II 160,006 1039 77 14 A WV
KA4RRU 136,444 886 77 24 A VA
KI4HN 102,200 700 73 24 A NC
KC4UH 88,858 577 77 18 A SC
AB4XG 61,138 397 77 18 A NC
K7GM 58,800 420 70 7 A NC
K54VD 31,624 394 73 17 A SC
NBRAT 57,000 375 76 24 A WV
KO4AV 54,720 360 76 24 A NC
N4MM 52,514 341 77 15 A VA
N1CDO 47,596 326 73 24 A VA
WY2V 45,024 336 67 24 A VA
AC4WC 42,612 318 67 17 A VA
KD4HYT 40,800 300 68 15 A VA
WT9B 39,072 264 74 17 A SC
W4YDD 38,280 290 66 12 A SC
W8NBX 36,448 272 67 24 A NC
K4UK 33,726 231 73 19 A VA
WD4AVP 32,340 231 70 9 A NC
WB4FLA 31,624 251 63 15 A NC
WB4Y 29,930 205 73 14 A NC
KJBJ 29,212 218 67 24 A WV
W4DAI 28,968 213 68 10 A VA
AC4XT 28,542 201 71 19 A VA
WS8A 28,380 205 66 14 A VA
WB4VIM 28,350 225 63 19 A NC
KE4CBB 25,792 208 62 18 A SC
KQ4OQ 21,670 197 55 8 A NC
AD4DG 21,114 153 69 17 A VA
KQ4XE 20,570 187 55 24 A SC
KQ4AL 20,184 174 58 14 A VA
K4IKH 19,488 232 42 14 A NC
KQ4XJ 18,357 197 67 23 A VA
N4AIG 18,096 156 58 7 A VA
N4WR 15,904 142 56 9 A SC
AA4KD 15,618 137 57 13 A VA
W4LMJ 15,400 140 55 6 A VA
KC4ZHQ 15,336 142 54 10 A VA
KQ4SO 14,640 122 60 16 A VA
N6MW 13,400 98 72 11 A VA
KQ4CS 12,500 125 50 10 A VA
AC4WN 12,480 120 52 9 A SC
W4YE 11,730 115 51 4 A NC
N4KXF 11,628 114 51 8 A NC
KD4IBI 11,180 130 43 12 A VA
AF4D 10,658 73 73 10 A NC
KB2BBG 10,560 118 48 24 A NC
N4GUS 10,384 118 44 5 A VA
KB4CG 8,118 99 41 6 A VA
K4IX 7,696 104 37 3 A VA
KR4GV 7,216 88 41 21 A NC
KB4VDG 3,596 58 31 8 A VA
W2VMX 2,028 39 26 2 A NC
WD4ELJ 1,250 25 25 2 A VA
KE4MF 1,026 27 19 2 A VA
KE4GVW 840 28 15 5 A VA
W8UT 540 18 15 1 A NC
N4EE 2 1 1 1 A SC

W4MYA 273,966 1779 77 23 B VA
NX9T 191,730 1245 77 24 B NC
WD4KXB 158,620 1030 77 24 B VA
K8OQL 150,300 1002 75 23 B WV
WB4IUX 105,336 693 76 14 B SC
K4RZ 93,450 623 75 18 B NC
K3JT 85,396 577 74 24 B WV
WR3I 72,600 550 66 17 B NC
N4BNO 53,312 392 68 12 B NC
W8NR 52,052 338 77 20 B WV
W8SL 40,460 289 70 20 B WV
NQ1W 36,000 250 72 9 B VA
W4XD 32,760 260 63 13 B VA
WF2G 29,768 244 61 6 B NC
KE9A 26,082 207 63 4 B VA
WA8ZDL 25,410 165 77 20 B WV
W8PC 24,624 162 76 24 B SC
W4YDY 24,600 205 60 24 B NC
KQ4WD 22,200 154 75 15 B NC
WD4PLF 20,040 167 60 8 B SC
KQ4UE 18,104 124 73 12 B VA
WB8BMV 17,100 150 57 6 B NC
AA4EL 17,094 111 77 16 B VA
W4VC 16,080 134 60 20 B VA
WB4ZPF 15,620 110 71 10 B VA
W1IHN 13,500 125 54 24 B NC
N4UH 12,012 78 77 7 B NC
W3FTG 9,102 123 37 24 B VA
N3RC 6,600 100 33 3 B VA

WF7B (+NET)
269,808 1752 77 24 A VA
KK4WW (+KB4NT,KC4WK,W44RDJ)
223,608 1452 77 24 M VA
KC4DY (+NET)
199,430 1295 77 24 M VA
N4PMQ (+N3NVF,WV3H,KD4LSN,
KR4DO,N4s OGR,SLR,TRX)
161,546 1049 77 24 M VA
AB4YZ (+KN4K)
137,952 958 72 24 M VA
KD4RFW (+KD4URA)
91,464 618 74 24 M NC
AA6FB (+N5s MRX,XIO)
88,038 603 73 24 M WV
K8MBH (+NET)
86,548 562 77 12 M WV
K3SW/4 (+NET)
80,234 521 77 12 M VA
W8CNL (+KB4GY,KC4ELO)
78,232 508 77 20 M SC
W44RTS (+AA4FF)
69,300 450 77 18 M VA
WN48BJ (+NET)
65,000 434 75 11 M NC

KQ4ZP (+KD4JOA)
55,594 361 77 24 M NC
W3YY (+NET)
28,952 188 77 8 M VA
WD4KQJ (+KC4DCL)
24,924 201 62 16 M VA
KC8FS (+NET)
23,254 151 77 12 M WV
WB4NFS (+NET)
18,532 226 41 6 M VA
W44TGF (N1NN,KD4s KJE,WRK,
KQ4s BS,SJ,N4s XDR,ZBE,ops)
17,696 158 56 11 M VA
KD4HTX (+NET)
8,484 101 42 24 M SC

Rocky Mountain Division
W2CRS 113,544 747 76 7 Q CO
W7CFL 101,794 661 77 24 Q UT
W7234 77,234 529 73 13 Q CO
WB0HBS 16,368 132 62 5 Q CO
KN5H 7,544 92 41 5 Q NM

KQEU 273,658 1777 77 24 A CO
W7CS 88,652 599 74 24 A WY
KD0DI 82,782 567 73 17 A CO
N6LHZ 82,650 551 75 17 A NM
KD07RX 81,250 625 65 15 A WY
N3SL 77,000 500 77 13 A CO
KE0PX 68,036 466 73 19 A CO
N6KL 67,452 438 77 15 A WY
AA5MK 40,200 268 75 20 A NM
K1974 31,974 219 73 14 A UT
KASBAT 28,548 234 61 11 A NM
WA6HXE 22,440 187 60 24 A UT
KG0HV 18,768 154 61 8 A CO
AA7TB 16,214 121 67 10 A WY
WB0NHA 13,938 101 69 10 A CO
AA0PB 12,348 126 49 8 A CO
N5RKD 11,880 110 54 6 A NM
K7UP 11,858 77 77 8 A NM
WB0HZL 11,000 110 50 7 A NM
W5JOV 10,920 105 52 5 A NM
NTSEM/T 928 29 16 1 A WY
NSZR 648 27 12 3 A CO

K9RS (AA5B,op)
316,162 2053 77 24 B NM
KOKR 315,546 2049 77 24 B CO
W1XE 238,700 1550 77 24 B CO
KB3EI 226,200 1528 75 24 B NM
K56H/7 189,266 1229 77 24 B WY
WAETO 177,716 1154 77 17 B CO
K6XO/7 145,376 944 77 13 B UT
KOGAS 133,826 869 77 24 B CO
W0OSK 93,092 629 74 10 B CO
W5TW 72,864 506 72 10 B WY
K6ODJ 65,462 451 71 24 B CO
N7GVV 65,450 425 77 21 B WY
W0RSR 43,026 303 71 10 B CO
KB7M 29,784 204 73 17 B WY
KJ1N 25,600 200 64 8 B CO
N7PIB 24,012 174 69 24 B WY
NTLMO 21,480 179 60 8 B UT
A19X 19,716 159 62 5 B NM
NQOI 16,416 216 38 2 B CO

NORAB (N0s DYQ,IVN,ops)
94,950 633 75 24 M CO
KE5BL (+KB5DUZ)
80,864 332 76 20 M NM
AA5UR (+KD4JDT,KASBAT,KB5s
TTS,ZSK)
25,058 187 67 24 M NM
N7PLJ (+AA7TB,N7s MZW,SDI,WC7S)
23,936 176 68 14 M WY

Southeastern Division
KN4QS 20,538 163 63 24 Q AL
NP2E 12,296 118 53 8 Q VI
AA7XR 10,080 105 48 10 Q SFL
KN4OQ 9,800 100 49 6 Q GA
KP4DDB 1,160 29 20 2 Q PR

K4VUD 251,328 1632 77 24 A SFL
AA4LR 126,742 823 77 23 A GA
KD3CG 107,030 695 77 22 A GA
KC4TEO 90,872 614 74 24 A AL
AA4UF 74,844 486 77 19 A AL
AB4KL 67,336 443 76 16 A NFL
NP2I 65,250 435 75 14 A VI
K4DFNA 49,556 347 77 17 A SGA
K4LDR 48,548 341 72 20 A GA
WB4ZAY 45,450 303 75 19 A NFL
WP2C 41,236 338 61 14 A GA
NAUQD/T 30,804 302 51 9 A AL
KQHT 30,000 205 75 15 A GA
KC4MW 29,100 194 75 98 A SFL
AC4OC 27,872 208 67 24 A NFL
KD4HXT/T

25,792 248 52 16 A NFL
N4XWC 24,800 200 62 24 A AL
W6GF 24,000 200 60 10 A AL
N4XGN 23,562 187 63 10 A GA
WD4LOR 23,100 176 66 8 A SFL
AD4ES 22,608 172 74 14 A AL
AD4ES 20,800 150 60 16 A SFL
KQ4VG 15,840 110 72 15 A GA
AD4CY 14,478 127 50 10 A AL
AD4JU 13,888 124 56 11 A GA
WA4AIP 13,764 111 62 9 A GA
W3DHN 12,768 114 56 8 A SFL
KN4RI 12,180 105 58 7 A SFL
KD4UIE 11,448 108 53 10 A NFL
W3AZD 11,424 119 48 9 A SFL
KQ4Y 11,172 114 49 17 A SFL
KJ4WH 10,812 106 51 24 A SFL
W1TUM 10,800 108 50 7 A NFL
K14Y 10,290 105 49 6 A GA
N4IBO 9,752 106 46 7 A GA
W44ERU 8,934 103 39 8 A AL
WD44HZ 7,544 82 46 2 A SFL
K1FIR/4 7,120 89 40 9 A SFL
NA4BY 6,798 103 33 11 A NFL
AC4PO 5,796 63 46 14 A GA
KD4BHF/T 5,656 101 28 12 A AL
KE4BXT/T 4,830 69 35 11 A NFL
KQ4OL 3,922 53 37 6 A AL

AD4KM 1,824 38 24 24 A AL
NP2DJ 220 11 10 5 A VI

WZ4F 256,102 1663 77 24 B AL
KU4J 189,112 1228 77 18 B AL
K4BAI 188,480 1670 76 23 B GA
K4SB 133,672 868 77 18 B GA
W1UA 132,440 860 77 20 B GA
WQ5L 62,700 418 75 17 B AL
W4WQJ 58,756 397 74 15 B NFL
KQ4CQJ 53,960 388 71 22 B NFL
N4BP 44,100 350 63 3 B SFL
KY2P 40,040 260 77 11 B GA
KB4GID (N4LDZ,op)
16,320 136 60 24 B GA

AB4RU (+AA4GA,KB4GID)
288,750 1875 77 24 M GA
KP2N (+NP2s BT,GM,Q,W,Y)
22,228 1482 77 23 M VI
N4CXF (+N4AJQ,N4RE)
224,378 1457 77 24 M GA
W4AOL (KC4QF,KD4QJ)
KE4HAW,WABY,N44DWN,N9s
N2QJ,JSR,KODI,ops)
215,292 1398 77 24 M GA
N4ID (+N4s MLK,MUH,WB4POC)
106,856 722 74 22 M NFL
KQ4HC (+KQ4EW,W4ALJU)
96,052 649 74 20 M GA
NP2B (+NP2R,KV4JC)
82,390 535 77 14 M VI
KN4MK (+AD4s)
69,146 449 77 23 M GA
AD4IK (WABPU,WM0HS,ops)
50,468 341 74 24 M GA
KE4XT (+KE4FN)
38,690 265 73 15 M GA
W4NVU (WQ3G,AC4BS,KCAZNI,KD4s
HRD,OYV,PXD,VIM,VIN,KQ4MR,N4s
OLE,PBF,W44QK,K7UP,ops)
34,790 245 71 16 M SFL
K4IJK (+KD4ARM)
14,560 140 52 18 M SFL

Southwestern Division
N6PEQ 152,614 991 77 23 Q ORG
WB2ODH/6
100,562 653 77 23 Q LAX
W47BNM 86,700 578 75 22 Q LAX
N7JXS 30,810 237 65 22 Q AZ
W6CN 23,598 171 69 20 Q SDG
N6AZR 20,880 174 60 15 Q SB
AB6NE 17,136 119 72 19 Q SDG
KN6TZ 14,478 127 57 18 Q SB
W9SE 11,610 129 45 4 Q AZ
WB6JJJE 8,978 67 67 8 Q LAX
KQ6WXY/T 1,932 42 23 9 Q AZ

N6HC 143,184 942 76 20 A ORG
AB8FO 141,988 922 77 24 A LAX
KJ6HO 116,700 778 75 24 A LAX
N4JN 116,700 778 75 24 A LAX
WA6GDS 110,110 715 77 20 A LAX
W6UOF 108,416 704 77 22 A SDG
W6HAL 93,328 614 76 14 A ORG
K6ZH 77,848 526 74 24 A SDG
WA6FGV 75,184 508 74 14 A SB
N7UJJ 63,910 415 77 24 A AZ
K6VI 61,320 438 70 15 A ORG

KA3DSE/6
66,536 382 74 21 A LAX
W47T/W 50,662 347 73 23 A AZ
KC6SKO 49,786 343 73 16 A ORG
K17LC 48,528 337 72 19 A AZ
N6TW 48,240 335 72 18 A SB
AA7YP 45,448 299 76 17 A AZ
N6OKU 41,440 370 56 9 A ORG
WB6NFO 38,776 262 74 18 A LAX
K6ZCL 34,914 253 69 22 A LAX
K6RUB 33,768 252 67 11 A ORG
N6OPR 31,360 224 70 24 A LAX
N6SLX 27,720 220 63 19 A SB
W6W/VW 24,522 183 67 8 A SDG
K6J7PDL 23,612 162 67 8 A LAX
N6UGU 22,800 190 60 8 A ORG
W6CJW 22,400 175 64 15 A LAX
AA6EE 20,956 169 62 11 A SDG
K17MN 20,234 151 67 20 A AZ
KA7KAJ 19,800 150 66 10 A LAX
KD6JP 19,530 155 63 16 A AZ
K6BVE 18,460 142 65 14 A ORG
N7PVL 18,354 161 57 12 A AZ
K6BYNH 17,520 146 60 14 A SB
W6JXA 15,876 147 54 5 A SDG
KQ6DCW 14,740 134 55 17 A ORG
K6XT 13,200 132 50 24 A SDG
K17RK 12,636 117 54 7 A AZ
K66RV 12,342 121 51 8 A SB
NE6O 11,750 125 47 6 A SDG
WD9HBC 10,976 112 49 9 A LAX
KN6RU 10,600 106 50 11 A SB
W4VZR 9,996 119 42 11 A AZ
KB7GM 7,260 110 33 5 A AZ
W7VYS 4,248 59 36 3 A AZ
N6TCZ 3,672 54 34 8 A LAX
W6JQB 330 15 11 24 A ORG

K6LL 327,098 2124 77 24 B AZ
KY7M 317,240 2060 77 24 B AZ
N6UF (N6PU,op)
261,338 1697 77 24 B LAX
W6TKF 216,678 1407 77 21 B SB
N6VR 212,828 1382 77 24 B SB
W6AQ (WABGTU,op)
202,050 1347 75 24 B LAX
KE7GH 171,248 1112 77 24 B AZ
WA0KDS 165,088 1072 77 22 B AZ
W2KVA/B 138,754 901 77 16 B SB
KT8V 134,134 871 77 20 B SDG
K7N2 116,580 770 77 11 A AZ
N6MB 112,882 733 77 20 B SB
KGVMN 108,300 722 75 19 B SB
W6TKW 104,828 718 73 15 B ORG
WB6JUS 92,400 600 77 19 B SB
K6G6 75,544 497 76 11 B LAX
N7BXX 54,150 361 75 24 A AZ
KD6QK 53,136 369 72 14 B SDG
W6JVA 40,348 262 77 12 B SDG

W6OUL 30,636 222 69 8 B SB
W6HT 24,544 208 59 7 B ORG
N6MMW 14,384 124 58 24 B SDG
AA7WD 9,844 107 46 8 B AZ

W6EEN (+K6XC,KA6SAR)
297,990 1935 77 24 M ORG
N6ND (+N6AZE,NL7GQ,K9VV)
277,970 1805 77 24 M SDG
KF6OG (KE6CF,N6RPL,WABOWM,ops)
277,508 1802 77 24 M ORG
N6KI (+AB6PU,KD6LMW,KM6s
WF,WG,KA,N6s AZE,KI,UZH,NE6O,
WB6NBU)
197,752 1301 76 24 M SDG
K6HRT (+KC6RDI,N6s XSS,YZT,
KONW)
173,400 1156 75 24 M ORG
K16X (+N4EA,KN6BU,WB6JMS)
164,010 1065 77 24 M ORG
WR7A (+KN1Q,W2AZD,KF7SI,
KG7EH,N7s ERG,MXR,OFY,OJT,
W07F,KD0H,N0ADJ)
147,300 987 75 21 M AZ
N6RMJ (+K6CS,JNX,KUP,TXO,
KG8IT,N6s XTT,XII)
107,800 700 77 24 M LAX
WA6SNG (+KB6RAA,WB6JL)
89,096 602 74 24 M LAX
W7ON (+N7NFX)
38,766 273 71 16 M AZ
W6TOI (NA2O,KB6ATT,KM6WY,KN6s
LM,SE,ops)
34,170 255 67 22 M LAX
AB6BX (+AB6s RW,SR,KC6s ACI,OK,
N6s UBC,YSU,YTB)
33,810 245 69 16 M LAX
K6Z (K6BS,KD6s OBE,VEX,KN6s
QX,UQ,ops)
26,352 216 61 23 B AZ
W6VPZ (+N6LVX,WA6s BFW,HFI)
24,600 205 60 11 M LAX
KC6WLC (+K6BGL)
16,368 124 66 12 M SB
K17LP (+KB7s PXU,TZX,VQX)
15,476 146 53 16 M AZ

West Gulf Division
KA5PVB 16,356 141 58 24 Q STX
K65SC 11,682 99 59 9 Q NTX

KM5H 231,616 1504 77 24 A OK
W0DK 133,000 875 76 21 A NTX
K5OJL (WB0NSA,op)
131,362 853 77 22 A NTX
KE5FI 118,580 770 77 22 A STX
W5SR 110,200 725 76 24 A WTX
NNST 88,616 583 76 20 A NTX
K133X 81,322 557 71 24 A NTX
WA5IYX 71,856 499 72 24 A STX
N5PSQ 64,050 427 75 21 A NTX
N5AFA 51,984 361 72 7 A WTX
N5UD 51,590 335 77 10 A NTX
N5TUW 50,410 355 71 14 A NTX
WA5TOS 49,056 336 73 12 A STX
KE5ND 48,422 341 71 18 A NTX
AB5C 47,740 310 77 20 A NTX
KA0RNY 43,026 303 71 19 A OK
W5K5 42,420 303 70 24 A NTX
KD6PJ 40,960 320 64 8 A NTX
W5SE 30,800 220 70 14 A NTX
K6SNT 30,284 226 67 18 A NTX
N5KAE 30,000 200 75 14 A STX
W5RRR (WB5PY,op)
26,398 197 67 14 A STX
KC1MK 26,260 202 65 16 A STX
N5VJH 26,260 202 65 24 A BC
WY7U 25,872 168 77 24 A STX
AA5NT 25,564 166 77 23 A NTX
KB5IIR 24,192 192 63 18 A OK
KC5DEX 22,820 163 70 14 A NTX
N5KXI 18,450 123 75 24 A OK
KA5VH 17,908 121 74 10 A NTX
KE5DY 17,400 125 60 17 NTX
N5SEM 17,360 140 62 14 NTX
AB5OX 16,100 161 50 10 A STX
KQ9X 14,076 138 51 11 A OK
W5UFA 12,992 116 56 11 A STX
KB5STS 10,560 110 48 13 A OK
W5LK 10,486 107 49 13 A OK
W5TZN 10,272 107 48 7 A OK
K6CAK/V/T 9,660 105 46 16 A NTX
N5PZS 9,328 106 48 47 A STX
N5RBC 7,200 100 36 10 A STX
K5WZC 5,460 70 39 4 A STX
WC5D 3,920 70 28 1 A STX

W5KFT (WB5VZL,op)
313,852 2038 77 24 B STX
K5RX 273,196 1774 77 24 B NTX
N5OLS 243,012 1578 77 24 B STX
K13L 239,778 1557 77 23 B STX
K5MR 200,816 1304 77 15 B NTX
K5TSG 179,256 1164 77 14 B STX
W5ASP 171,710 1115 77 17 B STX
NA4M 134,596 874 77 24 B STX
N5RZ 130,800 872 75 10 B WTX
AH9B/W5
101,178 657 77 24 B OK
K1SNE 45,264 328 69 24 B NTX
KA5W (K51G,op)
21,526 229 47 2 B NTX
AB5KD 18,480 120 77 13 B STX
K15KD 16,000 125 64 12 B STX
W5GVP 15,768 108 73 14 B NTX
AA5UO 12,520 125 49 6 B NTX
W5XD 10,560 110 48 4 B STX
W5FIO 9,752 106 46 7 B NTX

WX0B (+N5AQ,NM5M)
301,532 1958 77 24 M NTX
NJ1V (+N5CE,N5RMJ,WV5S)
275,198 1787 77 24 M OK
N5NMX (+N5NMJ,NX6Y)
223,608 1452 77 24 M STX

W5EHM (AA5BT,KA5WSS,KB5SJN,
N5s SNN,TDI,NIWID)
169,164 1143 74 23 M STX
NF9D (+N5THU,KD9FT,N9MM)
134,596 874 77 24 M NTX
K15JC (+K5YN)
111,650 725 77 22 M NTX
K5EC (+NET)
99,000 660 75 24 M STX
W5FC (KA5s FJA,TXL,KB5s EQL,YYQ,
KM5L,N5s KSA,TLL,UJOW,ops)
93,822 543 77 18 M NTX
KB5YVT (+KB5UHS,N5QVS)
81,158 527 77 23 M STX
KR0Y (+NET)
71,136 468 76 9 M NTX
WD0GTY (+KB5RFX,N5SAM)
63,560 454 70 24 M OK
K5LZO (+WB5RUS)
53,712 373 72 24 M STX
W5LM (N2HNU,KB5s UMH,KC5DIE,
KJ5PL,N5s TSZ,KXV,ops)
50,552 356 71 20 M NTX
AB5EA (+KB5SKN)
31,640 226 70 15 M STX
WB5B (+NET)
30,328 223 68 7 M NTX
KB1ZQ/5 (+N1LPN)
27,720 198 70 24 M OK
AA5XU (+KB5s KOE,KTN)
22,780 170 67 9 M NTX
KJ5ER (+N5SQK)
9,752 106 46 4 M WTX

Canada Division
VE6SH 39,960 270 74 15 Q AB
VE4VG 235,466 1529 77 24 A MB
VE6KTT 117,348 762 77 20 A BC
VE7FN 108,332 742 73 19 A BC
VE5ZIN 106,096 698 76 21 A SK
VE6WQ 101,992 671 76 14 A AB
VE7CV 89,166 579 77 20 A BC
VE6ATT 86,868 602 72 14 A AB
VE3XN 84,392 548 77 13 A ON
VE7CFD 75,888