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# 1998 ARRL Field Day Results

**S**ometimes success is hard to handle. Other times, it breeds complacency. Fortunately, in the case of Field Day, neither of these is the case. In reality, the success of Field Day keeps building upon itself, allowing it to maintain its place among the most popular on-the-air operating events.

Months of planning and hard work preparing for Field Day always lead to the unexpected come the fourth weekend in June. Almost every experienced Field Day captain will tell you, even when you "expect the unexpected," old man Murphy will pay a visit. Whether you are roughing it on an isolated mountaintop or lounging in a borrowed motor home, Field Day brings its share of surprises and challenges, as many clubs and operators discover annually.

In 1998, 2055 logs were received, a slight increase over 1997. One statistic that jumps out is that 67% of the logs received were submitted by individuals or groups

operating only one or two transmitters. This kind of involvement is one of the keys to Field Day, and in fact, emphasizes its spirit. From the contest aspect, it demonstrates the appeal of Field Day among average hams. From the emergency preparedness vantage, it demonstrates the broad support of individuals and groups for public service. You don't have to be a large club or a big-gun operator in the contesting world to enjoy Field Day.

For the first time, Field Day 1998 included separate reporting of digital QSOs. Logs show significant interest in digital operation, with almost 10,000 contacts being submitted. In addition, total CW contacts held steady at over 490,000 while phone QSOs increased by 71,000 to over 853,000. Total Field Day contacts increased 5.9% to almost 1.35 million QSOs. Almost 31,000 people participated according to the logs received.

Five teams turned in all time record scores for their classifications. Besides taking top Field Day honors, the N1FD operation by the Nashua Area RC set a new mark for the 26A class. W3AO station of the Potomac Valley RC placed second overall, establishing a 4A record in the process. W4IY manned by the Woodbridge Wireless Association took fourth place while rewriting the 9A record. KK8M (VSECA) and K8XX (Cherryland ARC) set scoring records in the 19A Battery and 6A classes respectively.

One of the purposes of Field Day is to test the capabilities of the amateur when resources are strained. Over 90% of the entries for 1998 showed the use of non-commercial means of power—generator, battery or alternate power sources. Maybe the ice storms, tornadoes and hurricanes that have affected the US in recent years have provided the incentive for the ham community to explore power alternatives.

It is never too early to start planning and preparing for Field Day 1999, set for June 26 and 27. Have you decided on a new and challenging site from which to operate? Set new goals for your club to reach? Planned ways to increase your public awareness and media exposure? Discussed how to increase participation, not only among the old-timers but the newer and younger amateurs in your area? Kicked around ways to snare more of the bonus points for such things as satellite commu-

nication or getting the W1AW bulletin? Worked on new ideas for antennas or adding CW operation? How about adding RTTY or packet operations? Field Day requires planning, enthusiasm and, above all, a group effort to become a success. Start now in order to reap the rewards in June!

## Kanawha ARC Field Day Becomes the Real Thing—W8XF

After participating in a three hour simulated emergency on Saturday morning with the Kanawha Emergency Services Office, the Kanawha ARC eagerly started their annual Field Day festivities. Although stifling hot and no rain in sight, we worked

### Top 10 Scores

Call Sign	Score	Class
N1FD	26,274	26A
W3AO	19,366	4A
W2GD	18,912	4A
W4IY	18,834	9A
KK8M	18,650	19A Battery
K8XX	15,322	6A
K4BFT	13,830	5A
W4DW	13,802	8A
W4KX	13,424	3A
W5NC	13,036	2A

### Field Day Entries By Class

1A	231	13A	1	4B2	1	3E	8
2A	606	14A	1	1C	38	4E	3
3A	358	16A	1	2C	4	5E	1
4A	139	19A	1	1D	173	6E	1
5A	75	26A	1	2D	7	9E	1
6A	32	34A	1	3D	3		
7A	13	1B1	123	4D	6		
8A	14	2B1	2	8D	1		
9A	6	1B2	53	1E	99		
10A	6	2B2	29	2E	12		
11A	4						



Solar panels for bonus points at W5VV.



N5LF, KC5OJK, N2KTY and AB5EK try to decide how to utilize the neighboring softball netting for improving CW reception at the W5KA site.



The Hiawatha ARA K8LOD attracted attention with the pseudo-shuttle at their Field Day operation.



K5KHS's operation took on a decidedly youthful tone with Marsha, Jon, Aaron, Jessica, Anna and Sarah.

into the wee hours of Sunday morning. By about 8:00 AM Sunday though, the joy turned to sadness as the realization that the rains, which were occurring by then, had caused major flooding in parts of several counties, including Kanawha. ARES was activated and Field Day was abandoned for real-life mobilization.

The ARES net was activated around 8:30 Sunday morning June 28 when the city of Clendenin was completely cut off. Shelters were established and hams were dispatched to the staging area as well as other posts in need of emergency communications. Hams relayed vital information from the National Weather Service back to the Emergency Operation Center. Scores of hams were dispatched to key areas, served as relief operators, or stood by to offer assistance if the operation had continued longer. The net was secured after 12½ hours of service.

Though exhausted, all those participating were happy to be of assistance, and thankful for the drills of the past to prepare them for just this type emergency. However, as NCS W8TMW repeated frequently during the activation, "This is *not* a drill." At times like these we really demonstrate our mettle. This is what it is all about!

### Field Day 1998 and the Navy, Pennsylvania Style—WA3TQJ

For many years, the Naval Air Station Joint Reserve Base at Willow Grove, PA has held air shows in June to benefit the base's morale and welfare groups. The Warminster ARC had for several years decided helping the base was more important than Field Day. This year we planned to operate at least as 5A at Field Day yet continue our priority with the air show.

Keeping in mind the Field Day rules of "learning to operate in abnormal situations under less than optimal conditions," 27 amateurs descended on the NASJRB. We set up emergency antennas, developed a plan of operation, and for the next 12 hours



A young ham at the NO8I station prepares to use a microphone older than himself.

### To Those Who Went That Extra Mile (a Field Day poem)

To all those hams who went "that extra mile,"  
Who carried stuff then made it all happen in style,  
Whose garage and basement now contain an incredible pile,  
Let us whisper a soulful prayer:  
"Thank God Field Day only happens once in a while!"  
Those generous folks who fed and sheltered us so very graciously.  
Who made our efforts "quite an extraordinary thing to see,"  
Who visited us, and complemented our plans so gleefully,  
Let them know:  
"This could not be done without thee."  
For next year, let us vow to depend on fewer "dumb luck" chances,  
Who cares to invest so much of themselves overcoming puzzled glances,  
Who knows, far fewer efforts may be available with time's advances,  
Let us plan to be effective under far more difficult circumstances.—W2DO

manned a medical communications net to assist the Naval Medical Corps with the expected 60,000 plus spectators at the air show. Roving teams accompanied medical personnel throughout the area, and another dozen posts were manned during the event. During the course of the day several emergencies were reported via ham radio and medical personnel were glad we were there. And Saturday's work didn't end the event, as Sunday we did it all again, descending *en masse* onto the NASJRB again.

### A Learning Experience Led by a Young Ham—N4NH

Field Day for the Western Carolina ARS had been managed for the past several years by one of our most seasoned members. In 1998, a 17-year-old senior in high school stepped forward to chair Field Day 1998 for WCARS. Chris, AD4G, had been active in many of W4MOE's operating events over the past few years. We all hoped that he was ready for the task of pulling together another successful Field Day for our club.

Our confidence in Chris paid off with flying colors. He had paid attention during his apprenticeship and took the Field Day helm with confidence. The site was secured, and preliminary plans were laid out well in advance. Band captains were selected, equipment arranged, antenna plans laid out, computers for logging arranged, and contingency plans developed for the inevitable SNAFU. Equipment requests from the county Emergency Management Office were handled on time. From military surplus antenna mast supports, to dipoles, to grounding for generators, AD4G and his crew kept things moving on course.

This fine young ham organized our mixed bag of seasoned veterans and eager neophytes into yet another successful event. Participation was up with several club members earning "First Contact" certificates from the club. Chris challenged the club to up its operating category to 5A, a task answered with pride by the member-

ship. Add to this the always excellent annual Field Day covered dish supper (thanks KR4FZ and KE4VXC), and WCARS will remember FD1998. We didn't capture all the possible bonus points, but we did manage to at least match last year's score for the event. What a shame WCARS loses Chris to his college years.

### A Serious Venture into a New Category and Royalty—N1FD

Friday night thunderstorms threw a couple of hours delay into setup, but by 1800 UTC Saturday, the two 70 foot, the 50 foot, and the 100 foot towers were up and fully loaded with beams, verticals and dipoles. Stacked Yagis on 20 and 40 meters helped those stations rack up more than 3000 Qs. The Novice tent, once again owned and operated entirely by teenaged (and younger) club members, more than doubled their previous high score. Packet turned out to be a disappointment, as the change in rules led to only four contacts as opposed to last year's 107. With almost 9000 contacts in 24 hours, that adds up to a sustained hourly rate of 364, or a contact every nine and a half seconds for the entire event.

One of the highlights of the weekend was a visit from the daughter and grandson of Guglielmo Marconi. Princess Elettra Giovanelli Marconi and Prince Guglielmo Giovanelli Marconi were in the US for the opening of the Marconi Museum in Bedford, New Hampshire, and stopped by to see the results of 100 years of wireless.

### Diversion on the Beach: St. John ARC—NP2L

This year we decided to operate from the beach using the Maho Bay pavilion as

our base. A permit was obtained early from the Virgin Islands National Park. A few days before the event, we were informed that we would share the facility with the St. John Carnival committee. Seems we would be on the start-finish line for a swimming and running race. Rather than fight what seemed to be an incompatible grouping, we turned it into an opportunity to interface directly with the public. This led to excellent media coverage from the reporters there to cover the race in the *St. John Tradewinds*. An inspection of our site by

Southeastern Division Director Frank Butler, W4RH, helped set the mood for the weekend.

A few conclusions came from our 1998 experience. Sam, NP2FO, furnished a solar panel from which we could have operated the entire event if there had been an advantage to doing so. Second, being in such a public locale did lead to one disadvantage. Logging accuracy was inversely proportional to the number of bikinis on the beach. Finally, it is important that when a W8JK antenna is suspended between two palm trees that the number of coconuts in each is equal for ratio purposes. As you can tell, the score doesn't have to be the important thing. We had a great time.

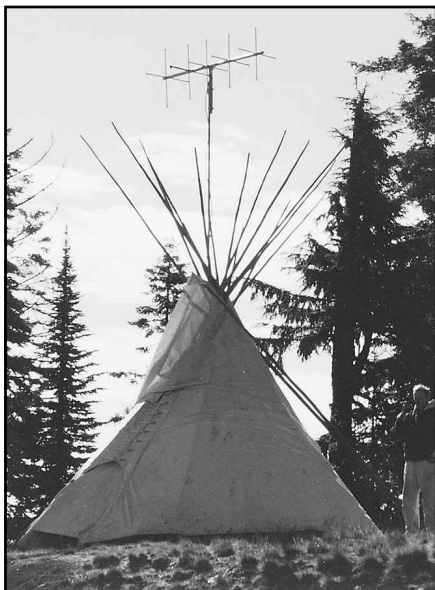
### BEARS have a Field Day—KØMS

You never know what can happen because of on-the-air scuttlebutt. The Boeing Employees ARS—St. Louis (BEARS) had a fine Field Day whose setup quickly became the talk of the town, as hams from other FD sites dropped by to inspect our site because of on-the-air comments as the setup proceeded. Our operation consisted of an air-conditioned flight test telemetry trailer powered by a 270 kW (yes, 270 kW) generator using 480 V ac, 30 A, 3-phase and 120 V ac, 30 A single-phase services.

The trailer included a built-in 20-foot tower on which we mounted our VHF beams. We used a 45-foot Mark-Lift to raise our tribander and military surplus 40-foot antenna masts for our dipoles. The trailer was on the company's scrap list and was salvaged by the club and the Boeing Emergency Preparedness Task Force. Eventually, the club's ham shack and the task force Communications Center will co-locate on this trailer.



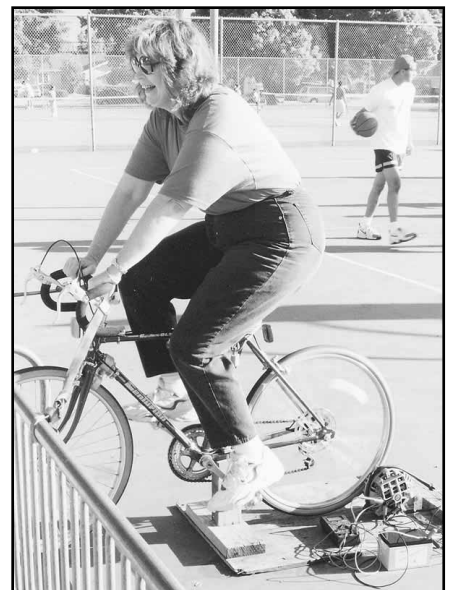
Taking a break from their record setting N1FD operation are operators and guests (L-R standing) K7CTW, N1ZYY, Andrew Wagner, WW1Y; Princess Elettra Giovanelli Marconi, Prince Guglielmo Giovanelli Marconi, Giovanni Pelagalli, Anita Correnty, a guest, KA1GOZ, and (kneeling) W1BC, and W1HRW.



If W7GBU can just figure out how to utilize the teepee poles as radials, next year's station will be even more powerful.



K7NWS provided a training school for its logging operators from Boy Scout Troop 342 of Federal Way, Washington.



San Jose Emergency Services Director, KC6THM; provides the people-power for some of the 40-meter K6VIP contacts.

**Scores**

Class A stations are clubs or groups operating with more than two operators. Score listings are grouped according to the number of transmitters in simultaneous operation. The listings show club or group name, call sign(s) used, total number of QSOs, number indicating power output used (5 is less than 5 W, 2 is less than 150 W; 1 is more than 150 W), number of participants and total score including bonus points and ARRL section. Scores are listed from highest to lowest in each class. Class B stations are portables manned by one or two operators. When there are two operators, the other operator's call is listed in parentheses, if it is known. Class C stations are mobiles. Class D stations are home stations using commercial power. Class E stations are home stations using emergency power.

**1A Battery**

GRBP					
N4BP	662	5	3	7,170	SFL
Tamiami ARC					
W4ZW	710	5	8	7,170	SFL
Chew's Ridge Gang					
K6MI	629	5	6	6,875	SCV
Nature Boys					
W1ECH	548	5	3	5,425	VT
RA Megacycle Society					
W9DY	497	5	6	5,285	IL
Flying Beers Int Broadcast Soc					
WYBW	616	5	3	5,205	MI
Candlewood ARA					
W1QK	452	5	4	5,120	CT
Radioport ORP Club					
VE6EX	378	5	5	4,355	AB
Douglas Co ARC					
W0GI	395	5	10	4,250	KS
Los Chupcabraneros					
N5JO	546	5	10	4,015	STX
MN WA					
W0AA	354	5	4	3,780	ID
Non-Club Group					
AA7QU	379	5	3	3,715	OR
Hiawatha/Falls City ARC					
K0JKS	443	5	18	3,600	NE
NERDS					
W3A	338	5	10	3,340	DE
Big Texas Hombres					
N5BTH	264	5	4	3,240	NTX
North Augusta-Belvedere ARC					
K4NAB	349	5	17	3,135	SC
Neurosa's Gopher Munchers					
A6EC	313	5	4	3,040	SV
Brightport QRP Club					
K8TU	269	5	5	2,890	MI
Middlesex ARS					
W1EDM	245	5	3	2,450	CT
Gila QRP Group					
WAS5Y	218	5	6	2,430	NM
HI Chapter QCWA & HI QRP Club					
KH6AN	77	5	17	1,370	PAC
Non-Club Group					
KF0CB	145	5	5	1,365	CO
Friends of Mt San Jacinto					
AC6XK	98	5	10	1,030	ORG
The Radio Farm					
N0MA	62	5	6	710	IA
Non-Club Group					
WASOIP	11	5	5	185	NM

**1A**

Non-Club Group					
N4IR	1331	2	5	5,924	TN
Non-Club Group					
W2BC	1291	2	3	5,328	WNY
Parma RC					
K8EE	1202	2	3	5,308	OH
Mama's Radio ARC					
W7MR	1384	2	12	5,062	UT
Foothill Contest Club					
WX6V	1167	2	8	4,902	SV
Six Sparks and a Gap					
K6KI	1259	2	6	4,766	CO
Fl Wayne DX Assn					
K9LA	1206	2	4	4,738	IN
Bozo and the Lids					
W9TG	992	2	5	4,668	IN
Badger Mtn ARC					
W0CP	1305	2	3	4,610	CO
Metro DX Club					
W9TY	1281	2	11	4,524	IL
McMinn Co ARC					
NA4K	1245	2	43	4,490	TN
Oklahoma DX Assn					
NN5Z	1020	2	6	4,342	OK
Mad River RC					
K8RM	1359	2	10	4,322	OH
Big Hill ARC					
K0HR	885	2	7	4,240	SD
Dr Loomis Memorial Junior					
W3KDR	1414	2	14	4,226	MDC
Thibodaux ARC					
W5YL	1344	2	10	4,112	LA
Alcatel ARA					
W5VV	1303	2	21	4,072	NTX
Radio Oregon					
K7RO	1285	2	5	4,004	OR
Alexandria CG					
K6DMO	966	2	3	3,964	MN
Non-Club Group					
K8RYU	908	2	3	3,958	OH
Central NC DX Chasers					
N4DAZ	937	2	10	3,854	NC
Lake Co ARC					
W9LJ	866	2	20	3,684	IN
Buster's Beach Boys					
K4IX	734	2	6	3,536	VA
KS Extra Class ARC					
NJ8M	1268	2	3	3,534	KS
Forsyth ARC					
W4NC	1311	2	15	3,454	NC
Southern Piedmont ARC					
WD4NHW	920	2	7	3,432	GA
Willamette ARC					
N7HV	1314	2	8	3,412	OR
Case Institute Of Technology ARC					
W8EDU	761	2	3	3,344	OH

Non-Club Group					
K9KE	1605	2	12	3,310	IL
WRECS I					
K8NI	1048	2	10	3,112	OH
West Carleton ARC					
VE3WCC	600	2	14	3,110	ON
Ottawa ARC					
VE3RC	686	2	14	2,912	ON
Athens Co ARA					
NC8V	980	2	10	2,862	OH
Gunnison Valley ARC					
W0FD	1207	2	3	2,844	CO
York Co ARS					
K4YTZ	653	2	16	2,746	SC
Bruce ARC					
VE3RCR	776	2	20	2,654	ON
MIT Radio Society					
W1RX	779	2	3	2,570	EMA
Three Goyish Yids					
N5LS	799	2	5	2,562	NTX
Fort Loudon Operating Group					
W4FLO	965	2	19	2,430	TN
Hunters Ridge Hams					
K4BEH	595	2	7	2,386	GA
Stanly Co ARC					
K4OGB	811	2	21	2,354	NC
Metro ATL TPARC					
W4PME	614	2	12	2,296	GA
Washington Co ARC					
K9GR	415	2	9	2,260	WI
Thomson ARC					
W9RCA	1003	2	9	2,258	IN
Yellowstone RC FD Group					
K7EFA	704	2	24	2,236	MT
Cement Ridge FDG					
KB7JVO	1009	2	6	2,218	WY
Elijah ARS					
W4HHH	747	2	12	2,194	GA
Butte ARC					
W7FO	665	2	14	2,172	MT
Candlewood ARA					
W1QI	764	2	10	2,154	CT
Laurens ARS					
AJ4N	475	2	12	2,136	SC
Naturist ARC					
N5UDE	762	2	4	2,124	NTX
Maui ARC					
KH6RS	1647	1	20	2,089	PAC
Valley Center ARC					
KK0SS	922	2	22	2,044	KS
Limestone ARES					
KX4M	510	2	6	1,934	AL
Non-Club Group					
KS3F	649	2	3	1,912	VA
MI City ARC					
W9LY	505	2	6	1,904	IN
Boy Scouts of America Post 73					
K5BSA	550	2	19	1,904	NTX
Pine Bluff ARC					
K5DKA	745	2	10	1,890	AR
TMCARC					
W9TMC	475	2	20	1,882	IL
Albright CG					
AA2AD	498	2	3	1,874	WNY
First State ARC					
K3QBD	508	2	20	1,856	DE
St John ARC					
KP2S	420	2	12	1,850	VI
New Cuyama Quad Hoppers					
N6PC	497	2	3	1,828	SB
Non-Club Group					
LANARC ARES Group					
VE3LCA	372	2	14	1,828	ON
San Joaquin Valley Contesters					
N6N6N	763	2	10	1,826	SJV
Non-Club Group					
WN0G	808	2	3	1,816	IA
FORCE					
K3UAV	402	2	7	1,808	MDC
Non-Club Group					
N9AU	370	2	4	1,780	WI
Sugar Creek ARS					
WZ4SC	510	2	9	1,762	SC
Lancaster Co ARC					
AK4N	479	2	20	1,760	SC
Fergus-Eldra ARC					
VA3RP	275	5	4	1,755	ON
Hawaii West ARS					
NH6LR	612	2	7	1,738	PAC
Rock River ARC					
W9DXN	584	2	6	1,730	IL
Non-Club Group					
AE7D	466	2	5	1,714	UT
Non-Club Group					
KN4KL	750	2	5	1,710	VA
Sam Houston ARK					
N5AK	506	2	30	1,706	STX
Non-Club Group					
AB7YB	590	2	5	1,650	ID
Kingwood High School					
K5KHS	772	2	10	1,644	STX
Los Alamos ARC					
W5PDD	330	2	9	1,636	NM
South Lyon Area ARC					
K8BX	379	2	11	1,626	MI
Bawating ARC					
VE3LSC	528	2	12	1,596	ON
University of BC ARS					
VE7UBC	1273	1	20	1,573	BC
Mt Valley ARC					
K1PV	517	2	6	1,510	ME

Royal Gorge Amateur					
NC0A	259	2	10	1,504	CO
TN Valley DX Assn					
N4OM	409	2	10	1,498	GA
9-0-4 ARC					
K9JM	321	2	10	1,496	IL
Non-Club Group					
W7FD	600	2	10	1,484	NV
Middle Peninsula ARC					
W4HZL	470	2	25	1,472	VA
Daytona Beach ARA					
K4BV	290	2	10	1,472	NFL
Elk Ridge Marauders					
K5S	632	2	3	1,464	NM
Lakeport ARC					
W4TAW	399	2	6	1,456	SFL
Non-Club Group					
K0RK	672	2	5	1,444	SFL
Ionia Co ARES					
K8AI	284	2	11	1,424	MI
Pinawa ARC					
VE4CD	509	2	8	1,418	MB
Club de RA de Beauce					
VE2CRB	412	2	15	1,414	QC
Avon Vol Radio Operators Network					
W1XX	915	1	3	1,409	CT
Metropolitan ARC					
KJ6TQ	356	2	75	1,402	LAX
Non-Club Group					
N2MR	351	2	3	1,396	SNJ
Big Island ARC					
KH6EJ	444	2	12	1,388	PAC
Matagorda Co ARC					
N5OB	344	2	9	1,386	STX
Non-Club Group					
VE3CQE	641	2	5	1,382	ON
Non-Club Group					
W6ME	449	2	8	1,364	SCV
NW AR ARC					
W5HF	472	2	5	1,350	AR
Four Rivers ARC					
K4HAO	461	2	10	1,346	GA
Eastern Shore ARC					
K4BW	327	2	23	1,310	VA
Richardson WC					
K5RWK	328	2	34	1,282	NTX
Porter Co ARC					
K9PC	355	2	10	1,278	IN
Kamloops ARC					
VE7UT	308	2	6	1,252	BC
ARPS					
W4EFK	274	2	10	1,248	SFL
Chalk Bluff ARC					
AB6LI	524	2	4	1,248	SV
Saskatoon ARC					
VE5AA	273	2	34	1,244	SK
Triple States ARC					
K8AN	234	2	10	1,238	OH
South Central Manitoba ARES					
VE4SMA	364	2	8	1,228	MB
Non-Club Group					
K1QQ	280	2	3	1,226	NNJ
Halton ARC					
VE3OD	171	2	10	1,208	ON
WPPS RC					
W7POE	213	2	4	1,198	ID
Non-Club Group					
VE6					

Falmouth ARA K1RK (+N1JCT)	3102	2 53	8,598	EMA	Smoky Mt AR Team KR4RR (+KE4PTO)	1466	2 14	5,824	NC	Palo Alto ARA W6OTX (+KF6JMQ)	1545	2 36	4,256	SCV	NAARS KK5XF	1150	2 15	3,392	AR	West Allis RAC W9FK (+KB9RH)	1234	2 17	2,868	WI
Williamson Co ARC N5TT (+W5AIX)	2944	2 65	8,562	STX	Society of Midwest Contesters W9C	1584	2 10	5,824	IN	Springhill ARC N5II	1293	2 8	4,230	LA	Mason Dixon ARS W3SY (+N3QLA)	1322	2 10	3,378	EPA	Non-Club Group VE2CRL	901	2 12	2,866	QC
Albuquerque DX Association W5UR	2507	2 10	8,452	NM	Anderson RC N4AW (+WD4BUH)	1475	2 17	5,736	SC	East AL & Auburn Univ ARC K4RY	1201	2 26	4,226	AL	Peninsula ARC W4MT	951	2 27	3,378	VA	Charles Co ARC K3SMD (+KD4UUH)	1035	2 37	2,864	MDC
JPL ARC/ Caltech ARC W6VIO (+KA6ADAN)	2753	2 24	8,200	LAX	Fidelity ARC W1MB	1788	2 16	5,730	RI	K7EAR	1230	2 12	4,216	AZ	W2VA	1052	2 50	3,366	NLI	Non-Club Group K0SI (+N0MAM)	700	2 20	2,860	MO
Schaumburg ARC N9RJV (+K9IIM)	2473	2 35	8,160	IL	W/K ARC of Greater Milwaukee N9AW (+N9XRO)	1698	2 10	5,706	WI	Boondocks AR Friends K5KW	1206	2 10	4,196	OK	W2WZ	1109	2 15	3,362	ME	Ham Assoc of Mesquite AA5NE (+N5HUZ)	1017	2 25	2,846	NTX
NCAARS/BARC N5ER (+KCS9BYT)	2384	2 41	8,128	AR	Hoosier Contesters WR9R	2006	2 11	5,680	IN	New Providence ARC N2XJ	1213	2 24	4,178	NNJ	Richmond ARC VE7RAR	873	2 20	3,346	BC	Bloomington ARC & IN University RC W9NLI (+N9PTG)	798	2 22	2,832	IN
Motorola ARC K9MOT (+N9MUC)	2711	2 17	7,974	IL	Shelby Co ARES & Honda AEP Lifeline AB8AU (+K8SSGE)	1665	2 32	5,620	OH	TAARS	1437	2 50	4,164	CT	Freedom Fighters KY1K	813	2 4	3,342	ME	Redmond Top Key Contest Club N7KE	786	2 10	2,808	WVA
Hudson Valley Contesters & DXers W2MU (+W2MMX)	2774	2 14	7,890	ENY	Waldo Co ARA N1TN (+N1RWY)	2066	2 18	5,528	ME	NO4Y (+KE4NBR)	1477	2 25	4,164	NC	Decatur ARC W4ATD	1078	2 10	3,342	AL	Englewood ARS K2OY	902	2 21	2,788	SFL
Non-Club Group K0S	2994	2 6	7,816	WI	The Sakonet 49ers KD1MW	1663	2 15	5,480	RI	Greater Norwalk ARC W1NLK (+K1ATZR)	1437	2 50	4,164	CT	Non-Club Group N4VYT	919	2 3	3,316	SC	Jefferson Co ARC W5SSV	845	2 58	2,784	STX
N4XU (+KD4FKT)	2574	2 67	7,764	VA	Associated RA of Southern New Eng W1AQ	1610	2 19	5,462	RI	RACC	1305	2 10	4,160	MI	Charleston ARS W4AUSN (+KE4KUR)	1020	2 28	3,292	SC	Triode ARC AD4FJ (+KE4EUH)	571	2 14	2,778	NC
Fort Smith Area ARC K5OY	2382	2 36	7,620	AR	Reading RC W3BN (+N3TLY)	1975	2 94	5,434	EPA	N8IQX (+K8OCUJ)	1020	2 28	4,160	MI	Santa Clara Co ARA W6LWJ	925	2 30	3,290	SCV	3M ARC W4UH	691	2 18	2,776	MN
Utah Contest Club NCTJ	1950	2 8	7,488	UT	Blue Ridge ARC W4YK	1571	2 16	5,430	NC	Fond Du Lac ARC W8LUQ	1267	2 15	4,130	WI	Post 566 Of Sartoga CA K6BSA (+N6YDZ)	994	2 15	3,284	SV	Hamfesters RC W9AA	869	2 21	2,760	IL
North Florida ARS W4IZ	3011	2 40	7,414	NFL	Nashoba Valley ARC N1NC (+KF6QOB)	1514	2 14	5,428	EMA	Non-Club Group WF2V (+KB2FZO)	933	2 5	4,112	WNY	Weekend Warriors #2 N3IXR	930	2 3	3,274	WPA	Geogian Bay ARC VE3OST	907	2 15	2,758	ON
Bladen ARC W4WH (+KF4RRZ)	2498	2 17	7,370	NC	Randallstown ARC N3IC	1616	2 12	5,374	MDC	Lake Co Races/ARES K9KM	1119	2 30	4,064	IL	Southern Appalachian WS K7J8 (+KB8KPI)	1193	2 5	3,274	WV	Southern Illinois Amateur Network N9LNK	782	2 21	2,712	IL
Cape Fear ARS K4MN (+KB0HGZ)	2406	2 25	7,320	NC	Arrowhead RAC W0GKP	1528	2 21	5,254	MN	Clinton Co ARC W9PC	1017	2 22	4,038	IN	Massillon ARC W8NP	799	2 26	3,264	OH	St Clair Co ARES/RACES KE4GHC (+KB4SBM)	1122	2 31	2,712	AL
Campbell Co ARC W7CW	2127	2 10	7,206	WY	Tallahassee ARS K4TLH (+KE4TCX)	1614	2 10	5,254	NFL	ARC of The Ohio State University W8LT	1158	2 11	3,994	OH	FWARC NW0X (+KB0HAE)	827	2 15	3,260	IA	Pine State ARC N1ME (+KA1UMG)	735	2 25	2,704	ME
ARVARF K5A (+K05LVV)	2033	2 15	7,164	AR	Hilltop ARC W8KJ (+W8GEY)	1600	2 9	5,210	OH	Green River Valley ARS K9WM	1312	2 7	3,964	IL	MARC W5EJK	1260	2 25	3,258	OK	Greensboro ARC W4GSO (+KD4IUM)	667	2 12	2,694	NC
Prairie ARG KX9X	2249	2 6	7,154	IL	Weekend Warriors #1 KX3V	1606	2 3	5,204	WPA	San Mateo RC W6UQ (+KD6TWM)	1060	2 15	3,936	SCV	Westside ARC W4GRC	998	2 75	3,254	LAX	Tamaqua WA W3CMA	621	2 12	2,688	EPA
Carbon ARC K3II (+KB3BPQ)	2163	2 20	7,106	EPA	Billerica ARS KY1B (+N1VLT)	1701	2 24	5,172	EMA	Bryan ARC W5CA (+N5MTJ)	1207	2 27	3,936	STX	Hiawatha AM K8LOD	880	2 30	3,254	MI	Club Valle du Richelieu VE2CVR	822	2 15	2,660	QC
Montrose ARC K0SX (+N0XMI)	2010	2 16	6,932	CO	Plymouth Civil Preparedness W1M1	2131	2 13	5,146	CT	Westark ARC Council W5EL (+K5SZTU)	1716	2 27	3,932	AR	Central KS ARC W0CY (+KE4SLC)	871	2 27	3,234	KS	Hull Neck ARC K4AAB	968	2 12	2,632	VA
St Louis ARC K0LIR (+KB0IEF)	2190	2 20	6,858	MO	Four Amigos Group K4IF	1373	2 3	5,146	VA	Novi ARC W8RS (+W8ML)	949	2 36	3,912	MI	Santa Fe ARC K5OKS	991	2 23	3,232	KS	David Sarnoff RC N2RE	686	2 20	2,626	SNJ
Radio Free Italy W2RA	1936	2 5	6,832	WNY	Carroll Co ARC K3PZN (+N3JIA)	1353	2 20	5,138	MDC	Paso Robles ARC W6LKF (+KF60JV)	1290	2 26	3,908	SB	Johnson City ARA W4ABR	978	2 50	3,224	TN	Albuquerque ARC/AR Caravan Club N5VA	557	2 60	2,618	NM
Raytown ARC K0GQ	1890	2 10	6,820	MO	Virginia DX Century Club W4DZ	1608	2 10	5,060	VA	North Franklin ARS N2FR	947	2 7	3,224	NNY	Olympia ARS N1TH	908	2 20	2,606	WVA	Oplousas Area ARC W5OPL (+KC5OMB)	856	2 40	2,594	LA
San Jose State Univ W6YL (+N6XVK)	2117	2 11	6,802	EB	HF Ops of SW OH KU80	1602	2 20	5,048	OH	Southwest Daccas Co ARC W5AUY (+KB5TMD)	1198	2 24	3,868	NTX	Buryl ARC W7JQ (+KC7BBP)	902	2 25	3,196	WVA	Arostook ARA K1FS (+KB1CUC)	856	2 20	2,588	ME
Halifax ARC VE1FO	2278	2 48	6,766	MAR	Lake Monroe ARS N4EH (+K04TWB)	1364	2 56	5,048	NFL	West Island ARC VE2CWI	1088	2 17	3,852	QC	East Bay ARC W6CUS (+KF6HEX)	786	2 46	3,192	EB	Truro ARC VE1AO	799	2 30	2,584	MAR
Loveland Repeater Assoc W0DZ (+N0RQV)	2118	2 30	6,764	CO	Baltimore ARC W3FT (+N3JYO)	1380	2 20	4,926	MDC	Green Mt WS W1GMW (+N1XBM)	1237	2 18	3,846	VT	Sterling Park ARC & Dulles ARS W4RW (+KD4RSL)	957	2 25	3,156	VA	Pecos Valley ARC K5LWU	648	2 30	2,580	NM
Western Washington DX CLUB W7FR	2126	2 10	6,714	WVA	Tar River ARC W4DCG (+K4CSEV)	1790	2 12	4,906	NC	Gallatin Ham Radio Club W7ED	1089	2 10	3,802	MT	HARC W4KVK (+N4UTS)	830	2 10	3,154	KY	Fullerton RC W6ULL (+KB6CMMO)	872	2 32	2,570	ORG
Motor City RC W8MRM (+KB8EXV)	1993	2 52	6,630	MI	Tucson IBM ARC W7IBM (+N7OJT)	1452	2 15	4,882	AZ	W7ED W0ERH (+K80ZGU)	1089	2 35	3,784	KS	W4KVK (+N4UTS) 830	2 10	3,154	KY	Moreno Valley ARA W6BYR (+K6FJC)	904	2 20	2,560	ORG	
PARC W8NL (+W8BLYN)	1740	2 16	6,610	OH	PEARL K2PUT (+KB2SFU)	1549	2 33	4,822	ENY	PART K13I (+KA3YZD)	1149	2 25	3,758	EPA	St Peters ARC K80SWK (+KA00FH)	731	2 12	3,146	MO	Northeast Missouri ARC W0CBL (+KB0QNH)	656	2 12	2,558	MO
Delaware Valley RA W2ZQ (+N2JVP)	1941	2 40	6,542	SNJ	Austin ARC W5KA	509	5 77	4,820	STX	Minnesota Wireless K0KX	1277	2 5	3,746	MN	Reservoir ARA K8QYL (+N8OSE)	828	2 21	3,142	OH	Talladega RAC N4WNL (+KE4FRZ)	1006	2 38	2,548	AL
Meriden ARC W1NRG (+K1C1WI)	1690	2 30	6,524	CT	Big Bend ARC K5FD	1578	2 20	4,818	WTX	Milford ARC W8SDL (+KB8DDH)	1155	2 18	3,728	OH	Metuchen RC K2YNT	995	2 9	3,100	NNJ	Vernon RACES W2VER (+WA2TLF)	829	2 14	2,526	NNJ
Radio Hill Expeditionary Force K3MD	1830	2 10	6,384	WPA	West Essex ARC W2EF	1177	2 13	4,790	NNJ	Montgomery ARC W4AP	1130	2 20	3,726	AL	Augusta ARA W1TLC	1107	2 12	3,084	ME	Mt Baker ARC K7ZC	648	2 50	2,522	WVA
Power Alley DX Assn N9ST	2200	2 11	6,346	IL	Delta ARC W4BS (+KF4NOH)	1542	2 35	4,774	TN	South Town ARS WB2ELW	1061	2 63	3,724	WNY	VA Tech ARA K4KDJ (+KF4RGF)	912	2 17	3,068	VA	Eastern PA ARA N3IS (+N3ROL)	992	2 10	2,502	EPA
Norwood ARC W1MA (+WA1ZJE)	1640	2 16	6,344	EMA	Northwest ARC W1ML	1398	2 12	4,770	IL	Liverpool ARC W2CM	932	2 10	3,708	WNY	Minden ARA N5RD	973	2 15	3,696	LA	Kingsport ARC W4TRC	903	2 30	2,448	TN
Non-Club Group N4CM	1862	2 10	6,328	TN	Tri-Co/Ottawa ARC W8YEC	1977	2 23	4,728	OH	Motorola ARL of Arizona W7MOT (+KC7FWO)	1253	2 20	3,694	AZ	Carolina CW Ops W4SI	861	2 4	3,044	NC	Winnona ARC W0NE (+K0C0CTH)	553	2 18	2,436	MN
Morris RC W2YD (+K2EMJ)	1822	2 22	6,264	NNJ	Utah ARC W7SP (+K7C7IAS)	1311	2100	4,680	UT	Fox ARC AA0VY (+KB0YRK)	1099	2 23	3,682	ND	Puerto Rico ARL K4PES	649	2 9	3,042	PR	Buckhead CC W4TE	745	2 3	2,434	GA
Horned Toad Acres WA K7OX (+K7ZWI)	1770	2 14	6,264	AZ	Oklahoma City Auto Patch Assn W5MEL	1233	2 10	4,520	OK	Ocean Monmouth ARC N2MO	875	2 14	3,654	NNJ	McKinney ARC W5MRC (+N5ZLC)	1079	2 19	3,038	NTX	Northrop Grumman ARC N9EW (+KA3EMW)	605	2 9	2,410	IL
Mid-MO ARC N0SS (+W00TPN)	1644	2 28	6,174	MO	Cedar Valley ARC W0GQ (+K0QALB)	1271	2 50	4,492	IA	Kent Co ARC W3HZW (+N3RAE)	1297	2 23	3,642	DE	Lockport ARA N2Y	787	2 19	3,034	WNY	Cosumnes River Lost Hole & BBQ Soc KN6OX	1649	1 9	2,389	SV
QCWA CH 17 W3GS	1730	2 10	6,162	EPA	W0GQ (+K0QALB)	1271	2 50	4,492	IA	Northern Lights ARS K7PGL	1045	2 8	3,626	MT	Western OR RC & Friends K0PB	812	2 13	3,020	OR	Larkfield ARC W42PNU (+N2J1Y)	545	2 40	2,372	NLI
Twin City FM Club W0EF (+K0BSA)	1983	2 25	6,090	MN	PPRAA/MARC WA0YTU (+KB0YCI)	1294	2 50	4,482	CO	Waltham ARA W1MHL	920	2 15	3,610	EMA	Polk Ham Club W4TJM (+KD4BGY)	623	2 27	3,004	SFL	UMS VE2UMS	922	2 10	2,372	QC
Willamette Valley DX Club W7AC	1807	2 8	6,052	WVA	Tippacanoe ARA W9REG (+K9JDA)	1232	2 25	4,436	IN	W1MHL	920	2 15	3,610	EMA	West Virginia AR W8BAR (+KB8QKY)	672	2 35	2,972	WV	Clairemont Repeater Assn N6RH (+K6C2OW)	776	2 45	2,358	ORG
Society of Midwest Contesters W9S (+N9KJU)	1886	2 10	6,002	IL	Lynchburg ARC K4HEX (+KA4YNO)	1322	2 55	4,418	VA	Clinton Co ARC W8GO	906	2 14	3,548	OH	Miami Valley FM Assn N8UR (+K8GAB)	755	2 15	2,904	OH	FWARC W0WR (+N0RDY)	828	2 16	2,326	KS
Rancho Cucamonga ARES/RACES W6KK (+KE6TCS)	1992	2 14	5,994	ORG	Hewlett-Packard Andover RC W1HP	1143	2 12	4,414	EMA	Central Washington ARC W7GB	721	2 5	3,540	EWA	RENO CO KS ARA W0WR (+N0RDY)	828	2 16	2,326	KS	Treasure Valley RA K7OJ	611	2 20	2,318	ID
L'anse Creuse ARC K8AYZ (+K8NXXV)	1837	2 30	5,990	MI	Heart of America RC W0RR	1174	2 14	4,396	KS															

AR for Youth	W0YH7	1074	2	9	2,272	UT	
First Amendment RTS	WB3F	871	2	12	2,246	MDC	
DCS-22	N6FDR	529	2	25	2,236	LAX	
Non-Club Group	NS9E	642	2	5	2,224	WNY	
Irving ARC	N5BB (+KC5ZNR)	438	2	36	2,222	NTX	
Juniata Valley AR	K3DNA (+N1HEF)	579	2	17	2,218	WPA	
Heart O' Texas ARC	W5ZDN	585	2	25	2,210	NTX	
Univ of MO-Rolla	W0EEE	688	2	15	2,206	MO	
Oscocla ACS	N8HB	547	2	35	2,204	SFL	
Pen Bay ARC	KE1DY	703	2	19	2,198	ME	
Felton ARTS	N6RZ (+N6ZLA)	1718	1	10	2,197	SCV	
N6RZ (+N6ZLA)	VE2CPT	567	2	12	2,194	QC	
Telephone Pioneers of America	ND4N (+WD4DYH)	553	2	25	2,184	SC	
VE2CPT	Midland Co ARES	W5EOC	588	2	2,178	WTX	
Blue Ridge ARS	lowa City ARC	W0JW	505	2	2,164	IA	
ND4N (+WD4DYH)	Non-Club Group	K4AU	981	2	2,162	VA	
553 2 25 2,184 SC	York RC	W9PCS	567	2	2,156	IL	
Midland Co ARES	North Shore RA	KX1N (+N1FWV)	549	2	2,144	EMA	
W5EOC 588 2 15 2,178 WTX	K44U	981	2	11	2,144	TN	
lowa City ARC	Kings Co ARC	VE11D	660	2	2,104	MAR	
W0JW 505 2 30 2,164 IA	South Brevard ARC	N4MIR (+KD4JRU)	534	2	2,098	SFL	
Non-Club Group	Central TX HF Soc	WAS1EX (+KC5BFL)	538	2	2,096	NTX	
York RC	WAS1EX (+KC5BFL)	538	2	6	2,096	NTX	
W9PCS 567 2 21 2,156 IL	Butler Co VHF Assn	W8CCI (+K8CFUZ)	614	2	2,092	OH	
KX1N (+N1FWV)	W8CCI (+K8CFUZ)	614	2	25	2,092	OH	
549 2 35 2,144 EMA	Mason Co RC	K8DXF	512	2	2,088	MI	
Bristol ARC	Clark Co ARC	W9WWI (+N9RMR)	598	2	2,086	IN	
W4UD	Clark Co ARC	W9WWI (+N9RMR)	598	2	2,086	IN	
Kings Co ARC	W9WWI (+N9RMR)	598	2	20	2,086	IN	
VE11D 660 2 10 2,104 MAR	Old Post ARS	W9EOC	730	2	2,084	IN	
South Brevard ARC	W9EOC	730	2	20	2,084	IN	
N4MIR (+KD4JRU)	Houston Co ARC	KD5EGR	532	2	2,078	STX	
534 2 9 2,098 SFL	Non-Club Group	W8CO	750	2	2,074	MI	
Central TX HF Soc	W8CO	750	2	5	2,074	MI	
WAS1EX (+KC5BFL)	Palos Verdes ARC	K6JW	506	2	2,070	LAX	
538 2 6 2,096 NTX	K6JW	506	2	15	2,070	LAX	
Butler Co VHF Assn	North Country ARC	W2LCA	368	2	2,048	NNY	
W8CCI (+K8CFUZ)	W2LCA	368	2	11	2,048	NNY	
614 2 25 2,092 OH	Calumet AR Emergency Service	KN9P (+KA9OJN)	529	2	2,044	WI	
Clark Co ARC	Calumet AR Emergency Service	KN9P (+KA9OJN)	529	2	2,044	WI	
W9WWI (+N9RMR)	Laurel ARC	W3KIT	545	2	2,042	MDC	
598 2 20 2,086 IN	W3KIT	545	2	35	2,042	MDC	
Old Post ARS	BEARONS	W7FLY	501	2	2,032	WWA	
W9EOC 730 2 20 2,084 IN	BEARONS	W7FLY	501	2	33	2,032	WWA
Houston Co ARC	W7FLY	501	2	33	2,032	WWA	
KD5EGR 532 2 8 2,078 STX	Audrain ARC	NU0H	484	2	2,026	MO	
Non-Club Group	Audrain ARC	NU0H	484	2	15	2,026	MO
W8CO 750 2 5 2,074 MI	Algomic ARC	VE3SOO	474	2	2,022	ON	
Palos Verdes ARC	Algomic ARC	VE3SOO	474	2	20	2,022	ON
K6JW 506 2 15 2,070 LAX	Comox Valley ARC	VE7CVW	598	2	2,020	BC	
North Country ARC	Comox Valley ARC	VE7CVW	598	2	13	2,020	BC
W2LCA 368 2 11 2,048 NNY	Independent ARC	W0CXX	523	2	2,014	IA	
Calumet AR Emergency Service	Independent ARC	W0CXX	523	2	11	2,014	IA
KN9P (+KA9OJN)	Yorba Linda RACES	KJ6FO	648	2	2,000	ORG	
529 2 10 2,044 WI	Yorba Linda RACES	KJ6FO	648	2	16	2,000	ORG
Laurel ARC	Painted Cave Filled Daze Club	W6QOX	655	2	1,992	SB	
W3KIT 545 2 35 2,042 MDC	Painted Cave Filled Daze Club	W6QOX	655	2	7	1,992	SB
BEARONS	W6QOX	655	2	7	1,992	SB	
W7FLY 501 2 33 2,032 WWA	Anchor Bay ARC	AD6EN	582	2	1,988	SF	
Audrain ARC	Anchor Bay ARC	AD6EN	582	2	9	1,988	SF
NU0H 484 2 15 2,026 MO	AD6EN	582	2	9	1,988	SF	
Algomic ARC	Non-Club Group	NR3E	585	2	1,984	NTX	
VE3SOO 474 2 20 2,022 ON	Non-Club Group	NR3E	585	2	19	1,984	NTX
Comox Valley ARC	Fox Cities ARC	W9ZL (+KB9QXJ)	503	2	1,980	WI	
VE7CVW 598 2 13 2,020 BC	Fox Cities ARC	W9ZL (+KB9QXJ)	503	2	12	1,980	WI
Independent ARC	W9ZL (+KB9QXJ)	503	2	12	1,980	WI	
W0CXX 523 2 11 2,014 IA	Columbia ARS	WB4JEM (+KE4BQI)	610	2	1,978	NFL	
Yorba Linda RACES	Columbia ARS	WB4JEM (+KE4BQI)	610	2	20	1,978	NFL
KJ6FO 648 2 16 2,000 ORG	WB4JEM (+KE4BQI)	610	2	10	1,978	NFL	
Painted Cave Filled Daze Club	Baylor University ARC	WA5BU (+KD5CAA)	536	2	1,972	NTX	
W6QOX 655 2 7 1,992 SB	Baylor University ARC	WA5BU (+KD5CAA)	536	2	16	1,972	NTX
Anchor Bay ARC	Blue Mt ARC	VE3MTR	714	2	2,25	1,970	ON
AD6EN 582 2 9 1,988 SF	Blue Mt ARC	VE3MTR	714	2	25	1,970	ON
Non-Club Group	Sumter Co ARC	KE4ROA	745	2	2,10	1,960	AL
NR3E 585 2 19 1,984 NTX	Sumter Co ARC	KE4ROA	745	2	10	1,960	AL
Fox Cities ARC	Calgary Communications Club	VE6RH	464	2	1,942	AB	
W9ZL (+KB9QXJ)	Calgary Communications Club	VE6RH	464	2	19	1,942	AB
503 2 12 1,980 WI	Thumb ARC	W8AX	577	2	9	1,938	MI
Columbia ARS	Thumb ARC	W8AX	577	2	9	1,938	MI
WB4JEM (+KE4BQI)	North Okawagan RAC	VE7NOR	789	2	1,928	BC	
610 2 10 1,978 NFL	North Okawagan RAC	VE7NOR	789	2	17	1,928	BC
Baylor University ARC	Moosehorn ARC	KL7WP	458	2	1,922	AK	
WA5BU (+KD5CAA)	Moosehorn ARC	KL7WP	458	2	15	1,922	AK
536 2 16 1,972 NTX	Ogdensburg ARC	N2TB (+N2LJW)	522	2	1,902	NNY	
Blue Mt ARC	Ogdensburg ARC	N2TB (+N2LJW)	522	2	13	1,902	NNY
VE3MTR 714 2 25 1,970 ON	Central CT ARC	K1HEJ	376	2	35	1,898	CT
Sumter Co ARC	Central CT ARC	K1HEJ	376	2	35	1,898	CT
KE4ROA 745 2 10 1,960 AL	Kishwaukee ARC	WA9CJN (+W9JCU)	424	2	30	1,884	IL
Calgary Communications Club	Kishwaukee ARC	WA9CJN (+W9JCU)	424	2	30	1,884	IL
VE6RH 464 2 19 1,942 AB	LR-MARC	AES5AA (+KA5VAQ)	481	2	25	1,876	AR
Thumb ARC	LR-MARC	AES5AA (+KA5VAQ)	481	2	25	1,876	AR
W8AX 577 2 9 1,938 MI	Algonquin ARC	WQ1C	410	2	10	1,874	EMA
North Okawagan RAC	Algonquin ARC	WQ1C	410	2	10	1,874	EMA
VE7NOR 789 2 17 1,928 BC	Nutley ARS	W2GLQ (+KC2BAN)	502	2	10	1,862	NNJ
Moosehorn ARC	Nutley ARS	W2GLQ (+KC2BAN)	502	2	10	1,862	NNJ
KL7WP 458 2 15 1,922 AK	Trojan ARC	W0W0B	501	2	11	1,846	KS
Ogdensburg ARC	Trojan ARC	W0W0B	501	2	11	1,846	KS
N2TB (+N2LJW)	Foothills ARC	W3LWW (+KA3NZH)	521	2	22	1,846	WPA
522 2 13 1,902 NNY	Foothills ARC	W3LWW (+KA3NZH)	521	2	22	1,846	WPA
Central CT ARC	Chesterfield ARES	AD4ATM (+KE4EUE)	489	2	52	1,846	VA
K1HEJ 376 2 35 1,898 CT	Chesterfield ARES	AD4ATM (+KE4EUE)	489	2	52	1,846	VA
Kishwaukee ARC	Tesaro	W11M	455	2	8	1,844	NH
WA9CJN (+W9JCU)	Tesaro	W11M	455	2	8	1,844	NH
424 2 30 1,884 IL	Bill Gremillion Memorial RC	K4SEX	487	2	20	1,836	GA
Blue Mt ARC	Bill Gremillion Memorial RC	K4SEX	487	2	20	1,836	GA
VE3MTR 714 2 25 1,970 ON	Twin Lakes ARC	KC5RBO	384	2	25	1,826	AR
Sumter Co ARC	Twin Lakes ARC	KC5RBO	384	2	25	1,826	AR
KE4ROA 745 2 10 1,960 AL	Pamlico ARC	K4BCH (+KF4QGV)	662	2	29	1,826	NC
Calgary Communications Club	Pamlico ARC	K4BCH (+KF4QGV)	662	2	29	1,826	NC
VE6RH 464 2 19 1,942 AB	Benzie AR Friends	N8EV	507	2	19	1,814	MI
Thumb ARC	Benzie AR Friends	N8EV	507	2	19	1,814	MI
W8AX 577 2 9 1,938 MI	TARC/TBARS/HARES/RACES	W4DUG	462	2	50	1,814	SFL
North Okawagan RAC	TARC/TBARS/HARES/RACES	W4DUG	462	2	50	1,814	SFL
VE7NOR 789 2 17 1,928 BC	Hellgate ARC	W7PX (+KB7UNW)	563	2	27	1,812	MT
Moosehorn ARC	Hellgate ARC	W7PX (+KB7UNW)	563	2	27	1,812	MT
KL7WP 458 2 15 1,922 AK	Greenwood ARC	VE1AR	504	2	15	1,810	MAR
Ogdensburg ARC	Greenwood ARC	VE1AR	504	2	15	1,810	MAR
N2TB (+N2LJW)	HDSCS	K6EW	525	2	18	1,802	ORG
522 2 13 1,902 NNY	HDSCS	K6EW	525	2	18	1,802	ORG
Central CT ARC	Ashe Co ARC	KK4X (+KF4PCZ)	434	2	20	1,794	NC
K1HEJ 376 2 35 1,898 CT	Ashe Co ARC	KK4X (+KF4PCZ)	434	2	20	1,794	NC
Kishwaukee ARC	Goldthwaite Ham Operators	AA5NZ (+N5SJS)	645	2	11	1,790	NTX
WA9CJN (+W9JCU)	Goldthwaite Ham Operators	AA5NZ (+N5SJS)	645	2	11	1,790	NTX
424 2 30 1,884 IL	Ozone ARC	W5SLA	343	2	18	1,788	LA
Blue Mt ARC	Ozone ARC	W5SLA	343	2	18	1,788	LA
VE3MTR 714 2 25 1,970 ON	DeForest ARC	K8GE	491	2	30	1,782	OH
Sumter Co ARC	DeForest ARC	K8GE	491	2	30	1,782	OH
KE4ROA 745 2 10 1,960 AL	Laurel ARC	KB5FET (+KC5QZW)	513	2	15	1,778	MS
Calgary Communications Club	Laurel ARC	KB5FET (+KC5QZW)	513	2	15	1,778	MS
VE6RH 464 2 19 1,942 AB	Western Tinewater RA	N4SWS (+W4A4TW)	493	2	17	1,778	VA
Thumb ARC	Western Tinewater RA	N4SWS (+W4A4TW)	493	2	17	1,778	VA
W8AX 577 2 9 1,938 MI	Tahoe ARC	NX6W	668	2	15	1,774	SV
North Okawagan RAC	Tahoe ARC	NX6W	668	2	15	1,774	SV
VE7NOR 789 2 17 1,928 BC	Dr X's Stone Knives & Bare Skins FD	N5TZ (+N5KUR)	487	2	40	1,772	NTX
Moosehorn ARC	Dr X's Stone Knives & Bare Skins FD	N5TZ (+N5KUR)	487	2	40	1,772	NTX
KL7WP 458 2 15 1,922 AK	Willits ARS	W6MMM	520	2	16	1,770	SF
Ogdensburg ARC	Willits ARS	W6MMM	520	2	16	1,770	SF
N2TB (+N2LJW)	Unorganized Malcontents	W09K	425	2	3	1,766	IL
522 2 13 1,902 NNY	Unorganized Malcontents	W09K	425	2	3	1,766	IL
Central CT ARC	Southern Peninsula ARK	W4QR (+WL7CLI/4)	520	2	20	1,764	VA
K1HEJ 376 2 35 1,898 CT	Southern Peninsula ARK	W4QR (+WL7CLI/4)	520	2	20	1,764	VA
Kishwaukee ARC	Independent RA	K8TTY	451	2	20	1,762	OH
WA9CJN (+W9JCU)	Independent RA	K8TTY	451	2	20	1,762	OH
424 2 30 1,884 IL	Parry Sound ARC	VE3PSH	513	2	11	1,762	ON
Blue Mt ARC	Parry Sound ARC	VE3PSH	513	2	11	1,762	ON
VE3MTR 714 2 25 1,970 ON	Newington ARL	W10KY	622	2	15	1,760	CT
Sumter Co ARC	Newington ARL	W10KY	622	2	15	1,760	CT
KE4ROA 745 2 10 1,960 AL	Pilot Knob ARC	AA0LV (+KC0CLX)	394	2	8	1,758	KS
Calgary Communications Club	Pilot Knob ARC	AA0LV (+KC0CLX)	394	2	8	1,758	KS
VE6RH 464 2 19 1,942 AB	Northwest WA	KC7YGA	596				

Museum of Science & Industry ARC	KS4YB	149	2	10	808	SFL
HB Races	W6GOS	303	2	25	806	ORG
Kings ARC	KA6Q	252	2	9	804	SJV
Rock Springs ARC	KC7LOR	133	2	5	800	WY
Western Arizona RC	W7GAA	145	2	11	790	AZ
Flint Hills ARC	KB0VAC	191	2	15	782	KS
Central Maryland ARC	KB3BLR	163	2	9	772	MDC
Montreal ARC	VE2ARC	175	2	12	750	QC
Ham Operators Group	N7OY	342	1	10	746	OR
Columbia ARA	N3AC	201	2	10	746	MDC
Non-Club Group	WB6EYV	268	2	3	738	SF
Phillips Co ARC	AA0QO	118	2	6	736	KS
Starved Rock RC	W9MKS	235	1	15	735	IL
Delta Co ARS	K8ZAS	217	2	7	734	MI
Laurel ARS	KJ4ND	138	2	10	732	KY
Highland ARA	KB8ZTJ	163	2	12	726	OH
KB8ZTJ (+N8INS)	W1CWA	350	2	12	700	CT
Bloomfield ARC	Peter Zuleger FD Group	249	2	5	698	AZ
W1CWA	KB0UFL	142	2	6	686	MO
Peter Zuleger FD Group	Jasper Co ARES	90	2	8	680	IN
KB7ABN	W9SPC	321	1	15	679	SV
Boothel ARC	Non-Club Group	128	2	8	656	SD
KB0UFL	WB6W	4030	2	28	13,424	NC
Jasper Co ARES	Brookings RRC	4070	2	35	12,576	NNJ
W9SPC	W0BXO	128	2	8	656	SD
Non-Club Group	Cherokee Capitol ARC	90	2	5	654	MN
WB6W	KF4WOC	53	2	7	644	GA
Brookings RRC	Mississippi Coast ARA	293	2	15	622	MS
W0BXO	WJSC	293	2	15	622	MS
Cherokee Capitol ARC	VA Digital Emerent ARC	53	2	3	620	VA
KF4WOC	K4VDN	53	2	3	620	WNY
Mississippi Coast ARA	N2PRS	110	2	3	620	WNY
WJSC	Madison Co ARC	207	2	10	618	IN
VA Digital Emerent ARC	W9WCF	207	2	10	618	IN
K4VDN	Shiawassee ARA	147	2	8	616	MI
N2PRS	W8QQQ	147	2	8	616	MI
Madison Co ARC	DACAR	200	2	10	600	OH
W9WCF	AD8N	200	2	10	600	OH
Shiawassee ARA	Desoto ARC	47	2	9	594	SFL
W8QQQ	W4MIN	47	2	9	594	SFL
DACAR	Tech ARA	142	2	10	568	NM
AD8N	KCSORO	142	2	10	568	NM
Desoto ARC	Shuswap ARC	128	2	17	566	BC
W4MIN	VE7RAW	128	2	17	566	BC
Tech ARA	Moronogo Basin ARC	128	2	8	556	ORG
KCSORO	W6BA	128	2	8	556	ORG
Shuswap ARC	Non-Club Group	115	2	10	530	STX
VE7RAW	KD5BFFV	115	2	10	530	STX
Moronogo Basin ARC	Franklin Co ARC	112	2	25	524	AL
W6BA	KE4ZIM	112	2	25	524	AL
Non-Club Group	RA Education Soc	111	2	11	512	AB
KD5BFFV	VE6RES	111	2	11	512	AB
Franklin Co ARC	Non-Club Group	154	2	13	508	AZ
KE4ZIM	NEIRAA	102	2	3	504	IA
RA Education Soc	W0MG	102	2	3	504	IA
VE6RES	QUARK Group	42	2	4	484	OR
Non-Club Group	K7VIT	42	2	4	484	OR
NEIRAA	Hiljjerks Urban RL	131	2	5	484	WV
W0MG	KU4PV	131	2	5	484	WV
QUARK Group	SCARE	136	2	4	472	OR
K7VIT	KMPF	136	2	4	472	OR
Hiljjerks Urban RL	Wake Tech ARC	99	2	4	466	NC
KU4PV	WBATOP	99	2	4	466	NC
SCARE	Victoria ARC	81	2	10	462	STX
KMPF	W5DSC	81	2	10	462	STX
Wake Tech ARC	Yadkin Valley ARC	70	2	7	440	NC
WBATOP	N4AAD	70	2	7	440	NC
Victoria ARC	Corning ARA	113	2	6	426	WNY
W5DSC	N2IED (+N2YQL)	113	2	6	426	WNY
Yadkin Valley ARC	CARS	47	2	4	402	NC
N4AAD	KT4GG	47	2	4	402	NC
Corning ARA	Conneaut ARA	196	2	30	392	OH
N2IED (+N2YQL)	W8BHZ (+N8THJ)	96	2	8	286	MDC
CARS	Chaverim of Greater Washington	87	2	8	280	KY
KT4GG	W3AY	87	2	8	280	KY
Conneaut ARA	Woodford Co ARC	2381	2	14	7,238	NLI
W8BHZ (+N8THJ)	2F4 Commercial	1538	2	10	6,066	LAX
Chaverim of Greater Washington	Order of Boiled Owls	1958	2	59	6,728	LA
W3AY	KW2O	1958	2	59	6,728	LA
Woodford Co ARC	Non-Club Group	1738	2	75	6,632	MO
2F4 Commercial	W6HA	1738	2	75	6,632	MO
Order of Boiled Owls	Splitrock ARA	2014	2	58	6,394	ORG
KW2O	K2RF	2014	2	58	6,394	ORG
Non-Club Group	North Shenandoah DX Assn	1534	2	18	6,364	VA
W6HA	NS4DX	1534	2	18	6,364	VA
Splitrock ARA	Tyler ARC	1641	2	34	6,286	MDC
K2RF	K5TYR	1641	2	34	6,286	MDC
North Shenandoah DX Assn	Western Piedmont ARC	1639	2	18	6,210	MT
NS4DX	K4VLY	1639	2	18	6,210	MT
Tyler ARC	Cross Co ARA	1052	2	25	4,230	PR
K5TYR	W5DE	1052	2	25	4,230	PR
Western Piedmont ARC	Lincoln Co NC Races ARES	1181	2	25	4,140	IL
K4VLY	NC4CQ	1181	2	25	4,140	IL
Cross Co ARA	ARC of Parker Co	1408	2	50	4,110	EPA
Lincoln Co NC Races ARES	WSPC	1408	2	50	4,110	EPA
NC4CQ	W7ECA (+K7JVT)	1269	2	24	4,058	LA
ARC of Parker Co	W7ECA (+K7JVT)	1433	2	45	4,056	ENY
WSPC	W7ECA (+K7JVT)	1433	2	45	4,056	ENY
ARC of Parker Co	Repeater Users Group	1091	2	46	4,056	WPA
W7ECA (+K7JVT)	KE7LE (+N7RHV)	1091	2	46	4,056	WPA
Repeater Users Group	KE7LE (+N7RHV)	1091	2	46	4,056	WPA
KE7LE (+N7RHV)		1091	2	46	4,056	WPA

Fredericton ARC	VE9ND	373	2	15	2,068	MAR	
Jones Co ARC	NN0L	724	2	11	2,056	IA	
Non-Club Group	K5PN	780	2	9	2,024	NTX	
AARG & LVSR	AA3RG	760	2	35	2,012	EPA	
Satern Of Western Pennsylvania	W3SAT	411	2	14	1,996	WPA	
Tri-State ARC	W8VA	531	2	10	1,996	WV	
St Charles ARC	NF0Q (+N0PTN)	467	2	34	1,976	MO	
Kaw Valley ARC	W0CET (+KC0ADP)	617	2	25	1,968	KS	
Plateau ARC	K4VMO (+KF4KML)	507	2	15	1,968	TN	
Palisades ARC	W9BPT	558	2	23	1,962	IL	
Triac ARC	KB3BIM	540	2	4	1,932	EPA	
Kennelhook ARC	W4BTI	509	2	25	1,918	GA	
City of San Jose (CA)	RACES	K6VIP	415	2	26	1,916	SCV
Rowan ARS	W4EXU	733	2	8	1,884	NC	
Midstate ARC	KB9NDF	429	2	21	1,868	IN	
Mountain Repeater Assn	K6VE	664	2	12	1,856	LAX	
Indian River ARC	W4NLX	275	2	16	1,828	SFL	
Lorain Co AR	KC8BED	421	2	45	1,810	OH	
UBET ARC	K7UB	421	2	52	1,782	UT	
Edmond ARS	KC5ORP (+KC5RYT)	432	2	10	1,782	OK	
Sierra ARC	KA6YBN	455	2	12	1,778	SJV	
Winchester Pioneer AR	AC4YD	682	2	40	1,764	KY	
Garden City ARC	K8GC	504	2	25	1,756	MI	
Raucus Caucus	WK1S	418	2	6	1,754	CT	
Jefferson Co RAC	N2YQI (+N2ZMS)	468	2	25	1,744	NNY	
Naval Research Lab ARC	W3EW	375	2	10	1,728	MDC	
Disaster & Comm Action Team of TX	KK5CA	504	2	10	1,724	STX	
Mecklenburg ARS	W4BFB	466	2	18	1,712	NC	
Stubbsfield Repeater Club	KO4OT	518	2	11	1,704	KY	
SCJHC	K6JP	433	2	12	1,696	LAX	
Logan AREA ARC	K9ZM	538	2	7	1,676	IL	
Thin Air RS	K0UE	513	2	3	1,674	CO	
YES-EARS	AA0DF	365	2	17	1,670	KS	
Yakima ARS	W7AQ	574	2	11	1,666	EWA	
Mobile ARC	W4IAX	360	2	30	1,662	AL	
Theodore Roosevelt ARC	K0ND (+N0QAU)	520	2	21	1,654	ND	
RF Parts ARC	K6RFP (+K6NDG)	650	2	4	1,654	SDG	
UHF Associates	WB6ZOD	444	2	10	1,642	ORG	
Linn Co ARC	N0LC (+KB0WCU)	469	2	30	1,638	MO	
Wichita ARC	W0SOE (+KCSUNN)	589	2	47	1,628	KS	
Bishop ARC	N6OV	396	2	11	1,614	ORG	
Jackson ARC	W5PFC	591	2	25	1,610	MS	
Northside ARC	AA0VM (+N0CVO)	452	2	25	1,610	MO	
Non-Club Group	W6BIV	328	2	12	1,606	LAX	
Texoma ARC/Grayson Co ARC	K5GQD	362	2	10	1,594	NTX	
Central MA AR	W1BIM	515	2	5	1,594	WMA	
Non-Club Group	W3SJ	595	2	10	1,586	EPA	
Pinery Rd ARC & ARRL Ares	N9TD (+K9USH)	316	2	5	1,582	WI	
Amateur Radio and Youth	WABRAY	414	2	24	1,578	MI	
NBCRC	N2EW	560	2	10	1,576	LAX	
Lake of the Ozarks ARC	W0NA	446	2	25	1,572	MO	
Nestle ARC	W6FW	413	2	13	1,570	LAX	
Foothills ARC	AC4RZ	436	2	6	1,570	SC	
Lake Area Radio Club	KB0TAH	388	2	10	1,562	SD	
Chehalis Valley ARS	WA7UHD	480	2	23	1,560	WVA	
Lincoln ARC	K0KKV	386	2	30	1,556	NE	
Wayne ARC	KB8LNP (+KB8KPL)	522	2	14	1,552	OH	
Racine Megacycle Club	W9UDU	539	2	10	1,550	WI	
North Bay AR	K6LI	374	2	12	1,514	EB	
LARA	W6CBA	253	2	29	1,512	ORG	
Thunder Bay ARC	K8PA	504	2	14	1,508	MI	
Diamond Bar ARC	WA6RTV	482	2	35	1,508	LAX	
North Shores ARC	K6HAI	379	2	22	1,500	SDG	
Onslow ARC	WD4FVO (+KF4PUX)	352	2	22	1,488	NC	
Palisades ARC	Chautauque Co Amateur FM Assoc	K2HE	395	2	38	1,464	WNY
ARC of Augusta	W4DV (+KA3BIS)	327	2	9	1,462	GA	
NV Co ARC	W6DD	266	2	22	1,454	SV	
Champaign Logan ARC	W8EBG	330	2	7	1,438	OH	
Alexander Co ARS	AE4GA	307	2	28	1,426	NC	
Wabash Valley AR	W9UJU (+N9NYF)	349	2	45	1,420	IN	
Fairlawn ARC	W2VX	448	2	10	1,416	NNJ	
Lassen ARC	K6JKC	344	2	14	1,414	SV	
Drummins ARC	WA2AAZ	259	2	13	1,412	WNY	
Champaign Co AR Net	K8VOR	475	2	13	1,394	OH	
Brattleboro ARC	W1FPS (+N1UOR)	371	2	9	1,384	VT	
Sacramento ARC	W6AK	228	2	15	1,376	SV	
Boulder ARC	W0DK	430	1	14	1,373	CO	
Sun Parlor ARC	VE3SPR	481	2	20	1,372	ON	
Zephyrhills Area ARC	KF4ADP (+K04VRV)	335	2	15	1,370	NFL	
Cape May Co ARC	N2CMC	245	2	22	1,354	SNJ	
Red River Valley ARC	WB5RDD	326	2	17	1,352	NTX	
Norwesco	K9XL	323	2	16	1,348	WI	
Alexander RC	W4HFC	371	2	8	1,342	VA	
Denver RC	W0TX	448	2	16	1,338	CO	
Cumberland Valley ARC	W3ACH	316	2	20	1,332	WPA	
Northland ARC	WA9FFV	911	1	13	1,313	WI	
Fort Armstrong WA	KB3CFC	355	2	18	1,310	WPA	
North Shore ARC	VE3NSR	402	2	15	1,304	ON	
Radio Amateurs of Corry	W3YXE	195	2	16	1,290	WPA	
Barnstable AR	W1DPN	222	2	12	1,270	EMA	
Argonne ARC	S9ANL	260	2	12	1,264	IL	
Suffolk ARC	W4LG	223	2	24	1,262	VA	
Ventura Co ARC	K6MEP	308	2	10	1,260	SB	
Puget ARS	K7PAR	269	2	20	1,260	WVA	
Lakes Area ARC	AA9PN	325	2	35	1,254	WI	
Nevada ARC	K0CB	369	2	10	1,240	MO	
Maxim Memorial Station	W1AW	250	2	6	1,230	CT	
Okaw Valley ARC	W9JF	312	2	10	1,224	IL	
Burlington Co RC	K2TD	357	2	21	1,214	SNJ	
O'Brien Co AR	W0CON	266	2	10	1,214	IA	
Lonesome Pine ARS	KF4OIS	257	2	10	1,170	VA	
Radio Forum ARC	W1RIM	193	2	8	1,168	WPA	
Greers Ferry ARC	KE5TT	281	2	21	1,166	AR	
Beaver Valley AR	W3SGJ (+KA3TYK)	276	2	6	1,152	WPA	
Victoria Halinurton AR	VE3LNR	271	2	15	1,142	ON	
KS NEBR RC	K0KSN	206	2	23	1,112	KS	
Deuel Co ARC	W0GC	269	2	18	1,108	SD	
Pierre ARC	KB0SEY	494	2	18	1,088	SD	
Wawakee ARC	K8FUM	266	2	22	1,078	MI	
Cold Lake AR	VE6ADA	183	2	5	1,076	AB	
Elgin ARS	VE3RSE	279	2	18	1,074	ON	
Humbolt ARC	WB6ZZK	522	2	17	1,068	SF	
Marion ARC	WB6VB	134	2	12	1,068	OH	
Wayne ARC	WB6WV	120	2	20	1,056	SF	
Union City WA	WX3E	306	2	5	1,050	WPA	
Warren Co ARS	K8CKC	214	2	13	1,028	OH	
SPEARS	W5IM (+KCS5DYC)	178	2	20	1,022	STX	
Sycamore St ARC	N9NMD	304	2	3	1,008	WI	
Holmesburg ARC	K3CJ	199	2	16	1,008	EPA	
Metropolitan ARC	K8NOW	260	2	8	1,004	MI	
Durham FM Assn	WR4AGC	199	2	6	998	NC	
Thomaston Area ARC	W4OHH	392	2	20	984	GA	
W3MRC	W3MRC	206	2	10	984	STX	
Panorama Land ARC	K7JAJ	191	2	5	968	EWA	
Prosser Youth Radio Org	KQ7QHH	177	2	6	956	EWA	
Beloit ARC	K9GG	318	2	6	936	IL	
CPD, CSV	K6KH	164	2	14	928	ORG	
Owasso ARC	N5FER	347	2	10	916	OK	
Baccalieu ARC	V01BRK	150	2	7	914	NL	
Hall of Science ARC	WB2JSM	156	2	13	912	NLI	
Indianapolis ITT Tech RC	WA9SNT	286	2	10	902	IN	
BEARS	KA5LMZ	148	2	50	896	LA	
Wabash Co ARC	KB9QAN	140	2	12	880	IN	
Garden City Area Amateurs	N0JMP	206	2	6	880	MO	
Clearwater Valley ARC	KQ7VBT	189	2	4	878	ID	
Big South Fork ARC	W4BSF	195	2	13	876	TN	
Quaboag Valley ARC	W1NP	184	2	10	868	WMA	
Amador Co ARC	KGARC	184	2	10	848	SV	
Panasonic ARC	KC7KFC	251	2	6	802	WVA	
Indy Midtown ARC	NE9T	120	2	5	758	IN	
Kingston ARC	VE3JEL	100	2	10	700	ON	
Society of Newfoundland RA	V01AA	84	2	9	694	NL	
Wyandot Co Hams	KE8PX	135	2	11	684	OH	
Gladwin Area ARC	K8BZML	189	2	30	678	MI	
Public Service Assn	KB8ERL	113	2	9	658	MI	
Non-Club Group	KB9NSD	123	2	10	646	IN	
Non-Club Group	K0PS	292	2	8	646	CO	
Stamford AR	K1GF	291	2	35	628	CT	
Circle M RC	W5MOT	151	2	12	606	STX	
W6DUG	ROARS	138	2	10	606	SD	
NE Kansas City ARC	KB0SYC (+KB0ZYV)	235	2	15	602	MO	
Non-Club Group	N7SFI	68	2	6	536	UT	
Disney EARS	KF6CVJ	99	2	6	498	LAX	
Non-Club Group	K17EL	96	2	4	492	WVA	
Mountain ARC	W3MYW	125	2	6	362	MDC	
3A Commercial	Aiken CC	AC4WVV	1379	2	6	4,658	SC
Zamora Ham RC	W4ZHR (+N4ZUM)	989	2	41	2,784	AL	
RA Of Western NY	W2PE (+KB2URI)	869	2	17	2,558	WNY	
North Monroe Co ARC	AA5PV	743	2	15	2,000	MS	
Barston ARC	W6TST (+KE6JLU)	417	2	28	1,770	ORG	
Hernando Co AR	W4NOD (+N4XCQ)	367	2	18	1,534	NFL	
Black Fly ARC	W2JV	307	2	15	1,348	NNY	
Falls ARC	K9RH	419	2	9	1,138	WI	
N4PU	Thornhill RAC	VE3RAT	445	2	14	1,024	ON
High Point ARC	W4UA	301	2	32	984	NC	
Brownwood ARC	K5BWD (+K5OKY)	173	2	14	760	NTX	
Tulare Co ARC	WA6BAI	191	2	6	682	SJV	
Susquehanna Valley ARC	W3VPJ	241	2	14	642	EPA	
Dent Co ARC	KA0BBL	207	2	24	628	MO	
Tompkins Co ARC	AB2DY	177	2	7	364	WNY	
4A Battery	Dickson Co ARC	NY4N (+KF4SOK)	845	5	11	7,775	TN
Portland ARC	W7LT (+NL7NI)	804	5	17	6,925	OR	
Southern Polytechnic ARC	K9EGA (+KE4WIO)	622	5	12	5,195	GA	
NJ QRP Club	WQ2RP	411	5	9	4,570	SNJ	
4A	Potomac Valley Radio Club	W3AO (+W3AMY)	6697	2	15	19,366	MDC
Cherryville Repeater Assn	W2GD (+KB2ERI)	6119	2	50	18,912	NNJ	
Western AR	N6ME	3508	2	28	11,618	ORG	
WPBAR Club	W4HAW (+KF4IYZ)	3603	2	165	11,546	SFL	
Westchester Emergency Comm Assoc	N2SF (+N1XXU)	3541	2	70	10,958	ENY	
Old Barney ARC	N2OB (+N2IRM)	3578	2	40	10,432	SNJ	
Twin State RC	W1FN (+N1TBE)	3087	2	30	9,896	NH	
Red Cedar ARC	W8MJ (+KC8JUZ)	2868	2	10	9,292	MI	
Redwood Empire DX Association	W6KB	2573	2	10	7,996	SF	
AA1QW	Murgas ARC	2397	2	25	7,870	EMA	
K3YTL	Sones River ARC	2544	2	25	7,850	EPA	
K4FUN (+KF4FAX)	2132	2	35	7,446	TN		
Peel ARC	VE3XR	2651	2	45	7,278	ON	
Boeing Employees' ARS	W0MA	2047	2	37	7,250	MO	
Ozaukee RC	W9LO (+KA9DDX)	1716	2	30	6,530	WI	
Nassau ARC	W2UQ (+KB2KLE)	1993	2	31	6,356	NLI	
Contoocook Valley RC	K1BKE	2357	2	21	6,286	NH	
Elgin ARS	W9IKN	1725	2	20	6,258	IL	
Virginia Beach ARC	W4UG (+KC4LUTG)	1744	2	40	6,048	VA	
Endless Mountains ARC	N3SD	1606	2	14	5,558	WPA	
South Central ARC & Anchorage ARC	KL7G	1746	2	18	5,554	AK	
Two Rivers ARC	W3OC (+KA3NMB)	1627	2	20	5,524	WPA	
Butler Co AR Public Service Group	K3PSG (+N3JXG)	1672	2	35	5,404	WPA	
Columbia-Montour ARC	WC3A	1632	2	27	5,284	EPA	
HFNKY	AA4NJ (+KE4WHY)	1511	2	62	5,080	KY	
SCARS/ARCA	NC6I	1669	2	28	5,060	SV	
Van Wert ARC	W8FY	1700	2	18	4,948	OH	
Sioux Empire ARC	W0ZWY (+N0IHX)	1275	2	32	4,774	SD	
Warren AR	W8YTD	1259	2	15	4,670	OH	
Albany AR	K2CT (+K2CZC)	1747	2	53	4,562	ENY	
Catalina RC	W6LRL	1627	2	25	4,420	LAX	
Marple-Newtown ARC	K3MN	12					





AA1FK	33	2	1	232	CT
KV2X	40	2	1	160	WNY
KB1CFS	8	2	1	132	CT
WD4NIT	3	2	1	106	GA
KD6AKC	49	2	1	98	CO
K2PK	27	2	1	82	NNY
WB1DMK	26	2	1	60	CT
VE7CYT	16	2	1	40	BC

**1B-1 Op Commercial**

KG8W	518	2	1	1,858	MI
K7CEX	126	2	1	452	WVA
K2OID	60	2	1	340	NLI
K1PDY	120	2	1	308	NH
K3HH	67	2	1	250	NC
W5GN	40	2	1	160	MDC
K8RWD	21	2	1	42	MI

**2B-1 Op Battery**

WO8R	102	5	1	1,200	OH
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**2B-1 Op**

WA6RND	220	2	1	1,380	ORG
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**1B-2 Op Battery**

AB7E (+KD9UX)	657	5	2	6,870	AZ
ND7A (+NU7B)	465	5	2	4,470	CO
K2SH (+K2UD)	272	5	2	3,190	WNY
K9OT (+KF0BG)	278	5	2	2,915	WI
K7PJT (+K7MPH)	263	5	2	2,830	OR
WB0RXF (+WA0ZPT)	266	5	2	2,615	SD
N7F (+N7CEE,K7ZEN)	211	5	2	2,455	AZ
VA3TH (+VA3LKH)	194	5	2	2,240	ON
N2EAA (+N2MN)	172	5	2	1,900	NNJ
NM2A (+N1PKA)	133	5	2	1,730	WNY
VE3EQP (+VE3IMG)	254	5	2	1,570	ON
W5RIF (+WB0CGH)	120	5	2	1,400	WTX
WU8Q (+WV8F)	229	5	2	1,345	VV
N1BUG (+N1NPM)	133	5	2	915	ME
KM6WO (+K6GCNX)	132	5	2	870	SJV
N9CQX (+NA9OXI)	44	5	2	740	MI
K0HJC (+W0DHBW)	127	5	2	735	MN
N4NR/KH6 (+KC4WYU)	29	5	2	490	PAC

**1B-2 Op**

W8TK (+K4LT)	1270	2	2	5,580	OH
NN7S (+N7JKF)	925	2	2	3,592	MT
VE3IRF (+VE3FBQ)	584	2	2	2,636	ON
N7QT (+KE7WB)	537	2	2	2,290	EWA
K10E (+W0CA)	511	2	2	2,244	ND
WB6TIK (+WB6AJE)	555	2	2	1,802	LAX
WA5WHN (+WB5LJ)	512	2	2	1,676	NM
W4NI (+N4GHU)	302	2	2	1,540	TN
WA7PRC (+N7MCG)	500	2	2	1,426	WVA
KA2BEO (+KB2RAR)	305	2	2	1,230	SNJ
N0OND/VE5 (+N0PZP)	329	2	2	1,220	SK
N9LYE (+N1ZRD)	524	2	2	1,148	RI
WA5BRB (+KF4TMC)	298	2	2	1,054	NFL
WA4EMU (+WA0RAC)	252	2	2	804	SFL
K6TY (+KB0QJ, WB6VRN)	124	2	2	796	LAX
W0LTL (+KE6HPX)	224	2	2	768	AZ
K4SSC (+KC5GEV)	327	2	2	754	NM
K6BXI (+K6BXD)	184	2	2	710	SJV
N7HI (+KB7SLJ)	276	2	2	652	AZ
KG2KW (+K3MYR)	206	2	2	616	SNJ
WA6NGH (+KF6NWH)	158	2	2	616	SB
K8BKRF (+KB8LTF)	200	2	2	600	MI
WA7NML (+KA6IRX)	143	2	2	568	EWA
KC7ZJM (+W6MN)	114	2	2	550	NV
KD7CB (+N7JGP)	185	2	2	470	ID
N7DOE (+KA7MYU)	307	1	2	407	WVA
KC7WFE (+KC7WFF)	127	2	2	356	OR
N7IXI (+N7JED)	84	2	2	286	OR
KJ7QO (+op)	123	2	2	246	NC

WB8STO (+KF8KI)	106	2	2	212	IN
WB6FDY (+KC7WVQ)	70	2	2	140	UT
WB6YQN (+KE6KBM)	63	2	2	126	SB
WB9AA (+WA0TVK)	55	2	2	110	IN

**1B-2 Op Commercial**

KU7K (+KA7ARC)	333	2	2	1,018	OR
KE6AR (+N0DLS)	104	2	2	318	MN

**2B-2 Op Battery**

K2EI (+K0CCM)	478	5	2	4,390	NM
KE0UI (+WA0ROJ)	410	5	2	4,305	IA
VE3SMA (+VE3OIL)	421	5	2	3,855	ON
N8EFO (+N8MPF)	223	5	2	2,055	OH
KC8GMT (+KC8GMU)	192	5	2	2,035	MI
N6MBY (+WB6UER)	227	5	2	1,980	SB
K1PTF (+KA1PQK)	125	5	2	1,550	ME
N2ZT (+N2MAT)	100	5	2	1,540	ENY
W1XV (+WA1UKV)	142	5	2	1,125	ME
N0TU (+AB0GO)	73	5	2	930	CO
KT6L (+K6VRS)	86	5	2	860	SDG
WD6CLZ (+WA6GER)	103	5	2	835	SV

**2B-2 Op**

W8AL (+K8BFZX)	1027	2	2	4,054	OH
AB7ER (+KB7EQV)	429	2	2	1,158	WVA
KR7Q (+op)	314	2	2	1,154	ID
NR7RR (+op)	380	2	2	960	WVA
KS6A (+K06QJ)	356	2	2	912	SV
KD4GHQ (+KE4LKC)	149	2	2	898	NC
KG8HZ (+KC8KAI)	242	2	2	890	MI
K4S4W (+KE4BNV)	133	2	2	808	SFL
N0OQW (+KE3QY)	169	2	2	770	MN
W4JAN (+N2EXU)	60	2	2	620	NLI
K06DF (+KE6KDK)	134	2	2	568	SV
KF6OYA (+WA6DLM)	153	2	2	506	LAX
N1ROZ (+N1SAX)	199	2	2	498	CT
KB7AWG (+KB7MLK)	171	2	2	346	SDG
AB7LJ (+K5PNS,KJ7ZV)	10	2	2	120	NV

**2B-2 Op Commercial**

KD6CML (+K6PUW)	159	2	2	518	LAX
WB5PUF (+WB5LTU)	239	2	2	478	OK

**4B-2 Op**

KW8N (+K8CAVK)	1720	2	2	6,040	OH
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**Mobile Stations**

<b>1C</b>					
K4Vfy	386	5	1	3,465	NFL
AA6DP	740	2	4	2,510	LAX
W2ET	501	2	3	1,734	MDC
K9QVB	348	2	1	1,392	IL
N0SX	327	2	3	856	MN
AC6FR	273	2	8	666	SF
NF3I	60	5	1	595	MDC
VE2AWR	162	2	1	558	QC
N8MAT	215	2	11	462	MI
VE9GM	126	2	1	342	MAR
N6SLX	165	2	1	330	TN
K9PIG/7	160	2	1	320	WY
N1MHV	114	2	1	300	CT
KG0Z	136	2	4	300	SFL
AA6JR	147	2	3	294	SF
K4PK	102	2	1	256	NFL
N0QCI	123	2	2	246	NE
KG6HM	113	2	1	226	EB
WB4UJC	105	2	1	210	MDC
N6IC/7	57	2	1	210	WVA
W6ZN	100	2	1	200	ORG
KB9KEG	96	2	1	192	WI
WD4ASW	81	2	1	162	NFL
AD4DR	79	2	1	158	NFL
N2FF	72	2	1	144	NLI
W5ORM	65	2	1	130	NTX
W8YI	24	2	2	96	OH
K82PLW	30	2	1	78	WNY
N2JYA	28	2	2	56	WNY
KB9RQD	26	2	1	52	MO
W0CQ	21	2	1	42	ND
N9NUF	18	2	1	36	WI
K2QR	15	2	1	30	WNY
KJ6JO	14	2	1	28	ORG
KE4CSU	7	2	1	14	NTX
KF3BN	6	2	1	12	MDC

KB9LIE	6	2	1	12	WI
KD5BRF	3	2	1	6	NTX

**2C**

W7CD	232	5	2	1,590	WVA
KZ1O	122	2	2	360	VT
KE2LJ	108	2	2	216	NLI
N1BIV	101	2	2	202	SNJ

**Home Stations Commercial Power**

**1D**

VE6JO	706	2	1	2,380	AB
K8DAC	557	2	10	2,224	MI
VE3TDG	531	2	1	2,132	ON
NA4CW	551	2	1	2,026	SFL
W78P	475	2	1	1,900	OH
N2CU	472	2	1	1,888	WNY
KU0C/4	418	2	1	1,672	AL
N1JWH	833	2	3	3,666	EMA
W8AEF	492	2	1	1,582	AZ
AD4MV	771	2	1	1,542	NFL
AB85Y	642	6	2	1,540	MS
AA0PO	765	2	1	1,530	MO
K4OAG	701	1	1	1,402	VA
KD4BRJ	561	2	1	1,372	NFL
WBESR	340	2	1	1,360	EPA
VE3FMC	471	2	1	1,286	ON
K9CC	947	1	1	1,221	IL
VE6DV	304	2	4	1,156	AB
W0BL	377	2	1	1,064	NC
K1MAX	526	2	2	1,052	ME
W2GIT	503	2	1	1,006	ENY
W6PLJ	256	2	1	974	SCV
K1UQE/4	242	2	1	968	NC
W6VM	360	2	1	952	SB
W4CU	219	2	1	876	NFL
W79U	218	2	1	834	IN
W9LX	192	2	1	768	IL
VA3NR	294	2	1	766	ON
N4MO/3	214	2	1	726	DE
N2KI	177	2	1	708	ENY
WM6J	168	2	1	672	ORG
N3GC	334	2	6	668	WPA
N4SG	159	2	1	636	TN
N3CU	155	2	1	620	EPA
K58G	163	2	2	616	MI
KS4YX	251	2	1	610	SC
NB4J	152	2	1	608	WPA
AB5NX	302	2	1	604	NTX
N2LX/8	277	2	1	576	OH
K3GHH	143	2	1	572	NHY
W9MY	143	2	1	572	IL
N6SR	167	2	1	558	SB
W4PDD	138	2	1	552	KY
WB2JU	198	2	5	548	NWJ
K6JS	199	2	1	538	SB
K3WWP	263	1	1	526	WPA
W0EDI	262	2	1	524	ORG
N1XT	224	2	4	512	ME
W2LRO	145	2	1	444	NNJ
AA3II	107	2	1	428	EPA
KB2VVB	105	2	1	420	EPA
KD3WC	207	2	1	414	MI
WA3HR	205	2	1	410	EPA
W3TT	169	2	1	406	DE
KC7KI	201	2	3	402	OR
KE6LXB	100	2	1	400	SDG
KC3LV	98	2	1	392	WPA
W0HW	97	2	1	388	MN
WB4IH	112	2	1	386	SFL
AA9TB	192	2	1	384	WI
W2EZ	184	1	1	368	WNY
N4TCV	118	2	1	366	AL
AB7HD	182	2	1	364	AZ
KH2D	181	1	1	362	PAC
KB3AZK	90	2	1	360	WPA
KB0OCC	169	2	1	338	ND
KA8PTT	165	2	1	334	OH
KA6ASV/4	166	2	3	332	VA
N2LQ	166	2	1	332	WNY
KC7MZT	144	2	1	326	MT
N8PD	89	2	1	322	OH
VE2CBS	161	2	1	322	QC
W2JGR/0	80	2	1	320	MN
K5DJ	153	1	1	306	STX
W6RRI	97	2	1	294	SCV
WATYNU	147	2	1	294	MT
WA3TMR	71	2	1	278	NC
KF8FM	137	2	1	274	WV
KD4RHT	128	2	1	256	TN
K10MB	125	2	1	250	MO
AC6TA	124	2			