

# The 2006 ARRL Field Day Results: It's Our Time to Shine...

Dan Henderson, N1ND



With a tip of the cap to Joe Walsh, WB6ACU, to the tune of his hit "Life's Been Good":

*The summer's coming; June's heading our way*

*We hams all know what that means — it's Field Day.*

*Spend weeks of planning to get it all right*

*So we can have one memorable night.*

*They say hams are crazy and we've all lost our mind*

*We're just looking for Qs and to have a good time*

*Field Day — it's our time to shine.*

It's the talk of almost every Amateur Radio club in the US and Canada at some point in time during the year — ARRL Field Day. Some groups start planning the day this operating event ends the previous year. Others will wait and do their preparations beginning only a few weeks before the event. Most groups start kicking around ideas early in the calendar year — giving clubs about six months to prepare.

The numbers in 2006 again show what we all already know — that Field Day is the most popular on-the-air operating activity in Amateur Radio. An official total of 2169 entries were received from groups and individuals from all 80 ARRL/RAC sections — a clean sweep! Even the elusive Northern Territories section made an appearance, as VE6RI/VE8 submitted in the B2C category. These entries represent a reported total of 32,506 participants; the numbers don't include those who participate from home and didn't submit a Field Day summary for inclusion in the results.

The total number of contacts completed during Field Day 2006 was 1,236,825 — slightly up from 2005 by about 19,000 contacts. There were slight increases reported on CW and Phone, while digital contacts had 300 fewer completed contacts. That's not bad for a year at the very bottom of the sun spot cycle. As we see the beginning of Cycle 24 in the next 12-18 months and a return to some better propagation on 10 and 15 meters, we could be facing an all-time record number of contacts in the next few years.

*In parks and plazas, and in EOCs  
We set up where all of the people can see.  
The stormy weather may cause us some fits*

*And old transceivers may drift just a bit. . .*

Field Day is the best public relations opportunity that Amateur Radio has during

the year. It is exciting to see that 1450 of the entries received were from groups and individuals in Class A or B — the two categories that require setup away from your normal shack. It is also interesting to note that a total of 1847 received entries were operating from non-commercial power mains — that's

## Recent Field Day Stats

	2006	2005	2004	2003	2002	2001	2000
CW QSOs	518,799	503,205	517,738	467,748	537,130	536,072	511,422
Digital QSOs	21,459	21,766	20,940	12,525	17,170	14,283	10,376
Phone QSOs	696,567	692,722	787,444	646,564	869,922	868,174	906,226
Total QSOs	1,236,825	1,217,693	1,326,122	1,126,837	1,424,222	1,418,529	1,428,024
Total Entries	2169	2212	2241	2080	2110	2062	2054
Novice/GOTA	432	396	436	346	428	208	240
Participants	32,506	33,078	33,002	32,100	34,398	31,530	30,242



COURTESY DAVID BOWER, K4PZT

**"Look What I Did!"** Joseph Hood, as assisted by GOTA coach Jason Campbell, KG4WGB, made the last official contact for Radio Amateur Club of Knoxville, W4BBB.



COURTESY LOUIS CARRIER, VE2EZD

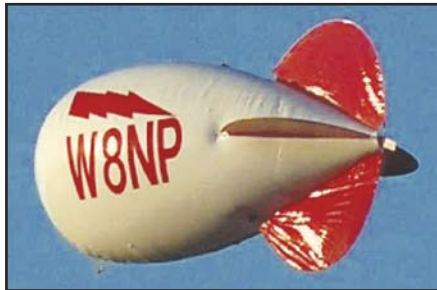
**No, not concert roadies...** The scene at Le Club de Radio Amateur de Beauce, St-Georges, Quebec, VE2CRB, was typical all over, whether you spoke French, English, Spanish or that strange language known as "the code." *Très bien!*



The Metroplex Amateur Radio Club and the Ramsey (New Jersey) Office of Emergency Management joined forces for Field Day 2006. (Left to right): Tom Bennett, W2TAB; Hudson Division Vice Director Joyce Birmingham, KA2ANF; Ramsey Mayor Richard Muti, and Michael Adams, WA2MWT, Ramsey OEM Coordinator get ready to start the day.



The Maui Amateur Radio Club, KH6RS, probably set a record for the largest average distance per contact, since they claim all of their QSOs were at least 2000 miles in distance! Not a bad place to "Take a Look Around."



It wasn't hard to find the Massillon Amateur Radio Club, W8NP, Field Day site. Just look for the soaring "Eagle."

an outstanding 85 percent of all entries. The lessons we learn from operating away from the comfort of the home shack and commercial power really are one of the principal focuses of this operating event. And don't sell short those operating from the home shack with commercial power: in an emergency, everyone has a role to play, whether they are Class A operating on battery power QRP from a tent at the local fire department, or sitting in front of the well-equipped shack at home. One of the lessons learned from last year's hurricanes is that every station has a task to perform — and Field Day is the time we can test our capability and fine tune our procedures.

In reviewing the almost 300 online soapbox entries for Field Day 2006, you get a great feel for how groups and individual approach the task they are presented. There are hundreds of photos submitted by the clubs, showing everything from GOTA and youth participation, to innovative station setups and operating locales. Make sure to visit the Online Soapbox at [www.arrl.org/contests/soapbox](http://www.arrl.org/contests/soapbox) and see what your fellow hams are doing. Simply select 2006 Field Day from the drop down box, and be ready to spend some time viewing creative ideas! And make sure

to add your contributions to this site.

Vintage radios always seem to be found during Field Day. It is exciting to see old-time gear that "glows in the dark" in operation. Occasionally we get a few warbles and chirps, and generally a VFO may drift a tad — but that's part of the challenge of Field Day. Whether you are an old-timer reliving the "equipment of our youth," or a newcomer who is seeing an old tube-type transceiver for the first time, vintage radios in operation are part of the heritage of our hobby — and Field Day is a great time to see them in action.

*We set up GOTA, and satellites too*

*We show the mayor just what we can do*

*With code and voice and with new PSK*

*It ain't like work and it ain't just like play.*

*We try to get lucky and make TV news.*

*Everybody call — CQ — CQ.*

*With all the fun, well you know you can't lose*

*Field Day — it's our time to shine...*

Bonus points are the real heart of Field Day. They are offered because they encourage amateurs to invest in the most important parts of the operating event. The success or failure of Field Day does not depend on the number of contacts you complete or the QSO points that you rack up. A successful Field Day really comes from maximizing the bonus points that you earn for the operation. If you analyze what bonus points are available, you will realize they are offered generally for doing three types of activities.

The first activity is maximizing the visibility of Amateur Radio in your town and community. The parking lot of the local shopping center may not be the most convenient place to put up towers, but you can rest assured that a temporary tower in a highly trafficked locale will attract some interest from passers-by. Set up at the central picnic shelter at a city park and you will have some curious

### Top 10 Claimed Scores

Call Sign	Score	Class
W3AO	31,144	22 A
W4IY	23,038	18 A
W6YX	21,106	5 F
VE3GMA	19,842	9 A
K1R	19,192	5 A
W9CA	18,142	3 A
N1FD	17,646	13 A
K2AA	16,404	6 A
AA5B	16,165	7 A
N6ME	16,052	6 A

### Entries Received by Full Class

Class	Entries	Class	Entries	Class	Entries
1A	177	18A	1	6D	1
2A	484	22A	1	1E	180
3A	287	1B1	153	2E	24
4A	134	3B1	1	3E	15
5A	80	1B2	52	4E	1
6A	21	2B2	19	9E	1
7A	18	1C	47	1F	23
8A	11	2C	2	2F	60
9A	4	4C	1	3F	33
10A	2	1D	272	4F	19
11A	2	2D	16	5F	8
12A	1	3D	7	6F	5
13A	2	4D	3	11F	1

people asking what is going on. That's where your information table and greeters are important. The story in the local newspaper or on the 6 o'clock news may not bring hordes of visitors to your site, but if it stirs up a little interest, you come out ahead.

When potential served agencies are invited and attend your Field Day, you have another opportunity to build stronger working relationships. A town councilman who has visited your site and seen the community service you can provide may be more inclined to work with you when an antenna zoning issue comes up. The local Emergency Management Coordinator will be pleased to know he has another "tool" to use in a communications emergency. Those couple of hundred bonus points may mean more opportunity for your group to be of service down the road.

The second purpose of the bonus points is to challenge individuals and clubs to experiment and innovate with new technologies or

**Entries by Section**

Section	Entries	Section	Entries	Section	Entries
AB	10	ME	16	RI	10
AK	6	MI	72	SB	17
AL	30	MN	34	SC	16
AR	24	MO	60	SCV	32
AZ	39	MS	16	SD	9
BC	24	MT	20	SDG	21
CO	51	NC	61	SF	8
CT	29	ND	5	SFL	22
DE	4	NE	17	SJV	23
DX	1	NFL	37	SK	4
EB	17	NH	22	SNJ	17
EMA	29	NL	2	STX	53
ENY	26	NLI	28	SV	15
EPA	67	NM	21	TN	59
EWA	19	NNJ	40	UT	16
GA	49	NNY	6	VA	62
IA	21	NT	1	VI	2
ID	13	NTX	47	VT	11
IL	69	NV	10	WCF	19
IN	47	OH	117	WI	43
KS	30	OK	23	WMA	9
KY	31	ON	54	WNY	40
LA	20	OR	22	WPA	39
LAX	33	ORG	43	WTX	10
MAR	7	PAC	8	WV	16
MB	6	PR	3	WWA	52
MDC	36	QC	12	WY	9



**No "Funk 49" here, as it looks like the radio gods were smiling on the N0LP operation.**

phone and smoke signals.

Congratulations to each group that made a concerted effort to maximize bonus points in the three areas of visibility, innovation and recruitment! You can consider yourselves winners of Field Day!

*Some stay up late and work stations 'til four*

*It's hard to stop when you want to work more.*

*It helps us plan for that emergency*

*Training for folks just like you and like me.*

Field Day is about setting realistic goals and trying to achieve them. For some groups, it means trying out new club generator or a new portable communications vans. The goal for your group may be to beat the score of the crosstown rival. It may be training members of your ARES group on procedures for accessing the radio room at the County EOC, or getting 10 participants making contacts at the GOTA station. Whatever the goal, it is important to realize that Field Day begins and ends with *fun*. So whenever you start your preparations for Field Day 2007 — scheduled for June 23-24 (always the 4th full weekend in June) — don't forget to bring the polish... because it's our time to shine!

*Can't say we're lazy when the results are in.*

*Everybody say 73 — 73.*

*Learned something new, so in fact we all win*

*Field Day — it's our time to shine...*

to try an operating activity they haven't used before — in particular, the use of alternative power sources and nontraditional communications modes that could be successfully used during an emergency. The key to being a demonstration mode is to do something that would be "useful during an emergency." Things like APRS and Amateur TV can become integral parts of emergency operations. As other technologies are developed with useful applications to this area of emphasis, they will become eligible for inclusion for bonus points, as well. Remember: something that you can already earn regular QSO credit for (such as PSK-31) may be a new mode to you,

but it is well-enough established in the main stream that it earns QSO points, and is thus not eligible for the additional bonus points.

The third — and maybe most important — bonus point area is for developing new operators and recruiting new people into the service. This area is intended to provide hands-on activities for those not already "radio-active." Judging from the photos submitted for the Online Soapbox, many groups placed a premium on the GOTA and youth elements of Field Day 2006. After all, without a continual influx of new operators coming into the hobby, Amateur Radio is destined to go the way of rotary

**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. Class F stations are EOC stations.

**1A Battery**

Chew's Ridge Gang					
K6MI	1240	5	7	13,605	SCV
Rocky Mountain Telegraphers					
W0KV	878	5	4	9,180	CO
Manti Camping/Contest Club					
NC7X	779	5	3	8,840	UT
K2ZR	774	5	15	8,840	WNY
Bear Mountain QRP					
WA5Y	415	5	10	4,600	NM
Wyoming DX Contest Club					
W7SE	413	5	3	4,280	WY
Austin QRP Club					
KQ5RP	318	5	3	3,320	STX
Rincon QRP Contest Club					
W7RIN	282	5	3	2,850	AZ
Hiawatha/Falls City ARC					
WD0Y	258	5	23	2,685	NE
Bolingbrook Area Radio Contesters					
NA9US	234	5	4	2,560	IL
Hawaii QRP and Hilo ARC					
KH6IN	166	5	4	2,455	PAC
Soldier Monkeys					
W7FC	186	5	4	2,310	OR
LSU Physics Dept					
N5IB	148	5	3	1,980	LA
W8DUG	66	5	3	950	OH
US Department of State ARC					
W3DOS	41	5	3	860	MDC
Benton County AR Service					
K7CVO	25	5	11	700	OR
Dayspring School ARC					
KB3NCB	33	5	4	515	DE
Utah Adventure					
W1RO	2	5	3	170	UT

**1A**

Central NC DX Chasers					
N4OL	1520	2	24	6,458	NC
KY Indiana DX Assn					
KY4CW	1480	2	3	6,450	KY
Parma RC					
K8EE	1389	2	3	6,106	OH
Tilson Contest Group					
K5WA	1614	2	3	5,984	STX
Robert F Heytow Memorial RC					
K9YA	1214	2	5	5,806	IL
Bonfield Area Radio Fraternity					
K9TP	1542	2	3	5,446	IL
Emergency Mobile Communications Club					
W3USA	1431	2	5	5,038	OH
Ham Radio Brasspounders					
W1HR	1429	2	4	4,906	SFL
W9TG	1108	2	6	4,876	IN
The Motley Crew ARC					
K9W	1418	2	12	4,808	IL
BIG HILL ARC					
K0HP	982	2	8	4,474	SD
Motorola ARC					
K9MOT	1202	2	15	4,420	IL
Naqro Club					
K0DD	1432	2	4	4,414	SD
South Heartland Contest Society					
W0ICT	1034	2	7	4,204	KS
Case ARC					
W8EDU	1098	2	5	4,198	OH
Echo-Sierra DX Club of South Brevard					
K9ES/4	952	2	4	3,972	SFL
Assoc Radio Amateurs of Southern New England					
W1AQ	1369	2	17	3,892	RI

Gila ARS					
K5GAR	1090	2	13	3,800	NM
Wyoming 7 Flamingo Desperados					
WY7FD	1068	2	8	3,718	WY
Union City Wireless Assn					
WA3UC	1089	2	8	3,248	WPA
A6EC	692	2	4	3,162	SV
Dr Loomis Memorial Jr Mechanics League					
W3KDR	783	2	11	2,914	MDC
N5IF	563	2	20	2,862	STX
Garden State ARA					
K2USA	774	2	14	2,782	NNJ
Marshall County ARC					
W0GCJ	609	2	10	2,696	KS
W8ED	586	2	9	2,664	WV
Muskegon River CW Group					
N8VYS	616	2	4	2,614	MI
Club Radio Amateur de Beauce					
VE2CRB	594	2	11	2,612	QC
Sorel-Tracy ARC					
VE2CBS	438	2	20	2,600	QC
Athens Co ARA					
W8MHV	540	2	13	2,502	OH
Ski Country ARC					
K0RV	821	2	12	2,474	CO
First State ARC					
K3QBD	594	2	10	2,442	DE
Albuquerque DX Assn					
W5UR	740	2	5	2,430	NM
El Dorado Co ARC					
AG6AU	653	2	20	2,370	SV
Hot Springs Village ARC					
KS1D	528	2	24	2,268	AR
Juneau ARC					
KL7IG	613	2	8	2,224	AK
WN0G	1009	2	3	2,218	IA
University of Arkansas ARC					
K5GOE	441	2	15	2,216	AR
Chilliwaack ARC					
VE7AFA	460	2	20	2,198	BC
Loop Group					
K4QXX	596	2	13	2,198	WCF
Avaya Lincroft ARC					
W2IMU	448	2	9	2,174	SNJ
Owensboro ARC					
K4HY	428	2	10	2,162	KY
Union Metropolitan Des Sans-Fillistes de MTL					
VE2UMS	487	2	42	2,154	QC
K0LG	583	2	3	2,126	MO
Midwest ARS					
W9MAR	745	2	9	2,090	IN
Morris RC					
W2YD	465	2	13	2,050	NNJ
West Island ARC					
VE2CWI	394	2	20	2,044	QC
W5WQ	731	2	11	2,022	MS
Dixie ARC					
W7DRC	622	2	11	1,996	UT
Jasper RC					
K4BEH	357	2	15	1,986	GA
Central WI Radio Amateurs @ UWSP					
K9UW	507	2	5	1,966	WI
SCAN/Red Ant Annihilators					
WA6P	804	2	3	1,938	LAX
MIT Radio Society					
W1MX	569	2	25	1,934	EMA
WPPS RC					
W7POE	364	2	4	1,906	MT
Covey Hill ARC					
VE2CYH	422	2	32	1,876	QC



Southwest Ohio DX Assn N8A (+ N8B) 1426 2 8 5,328 OH W9FK 1534 2 15 5,266 WI Palos Verdes ARC K6PV(+ K6SY) 1387 2 40 5,242 LAX Nashoba Valley ARC N1NC (+ AB1GA) 1375 2 24 5,202 EMA ARC of Parker County W5PC 1363 2 14 5,174 NTX Eastern Panhandle ARC K8EP (+ K8GUN) 1475 2 23 5,170 WV W5GIX (+ K5LSU) 1244 2 40 5,158 LA Santa Barbara ARC K6TZ 1414 2 20 5,130 SB Monroe County Radio Comm Assn W8PI (+ W8DWL) 1312 2 13 5,088 MI Candlewood ARA W1QI 1423 2 25 5,062 CT Lynchburg ARC K4CQ (+ KC1BH) 1361 2 50 5,054 VA WCARC-Williamson County ARC N5TT (+ WC5T) 1151 2 34 5,048 STX 550 DX Club K4TDP (+ AB4DN) 1284 2 6 5,008 AL Montrose ARC K0IIT (+ K10KY) 1732 2 46 4,992 CO Souris Valley Amateur Radio Club K0AJW (+ K0RHS) 1299 2 25 4,990 ND Austin ARC W5KA (+ K5LBJ) 1191 2 50 4,982 STX Fort Madison ARC WF0RT (+ NW0X) 1222 2 14 4,948 IA W0ERH 1486 2 47 4,914 KS Central Oregon DX Club N7LE (+ W7CTA) 1200 2 13 4,902 OR Massillon ARC W8NP (+ KD8ACF) 1210 2 25 4,872 OH South Georgian Bay West Simcoe ARES VE3SGB (+ VE3UGB) 1829 2 18 4,848 ON Montgomery ARC W4AP (+ A14KN) 1211 2 62 4,832 AL TriState ARS W9OG (+ WA9C) 1289 2 32 4,832 IN W5ZN 1203 2 20 4,778 AR MARCA W7MOT 1550 2 18 4,664 AZ Lake County ARC / RACES W9LJ (+ W9EMA) 1153 2 23 4,634 IN Anderson ARC N4AW (+ N4MHG) 1216 2 20 4,630 SC Trident ARC W4ANK (+ N4EE) 1158 2 19 4,516 SC YORK RC W9PCS (+ KC9ISR) 1280 2 24 4,510 IL Lakes Region Repeater Assn W1BST 1506 2 13 4,384 NH Lanark North Leeds ARES & West Carleton ARC VE3LCA 1059 2 34 4,324 ON PPRAA & MARC AF0S (+ NX0G) 1257 2 61 4,274 CO Providence RA W1OP 1417 2 18 4,266 RI Heart O' Texas ARC W5ZDN (+ W5TSA) 1129 2 25 4,264 NTX San Mateo RC W6UQ 1148 2 18 4,188 SCV C3I AR Group AC4XQ (+ WJ4N) 877 2 35 4,134 SFL Hancock ARC W9ATG (+ N9TT) 931 2 39 4,094 IN Philips ARC W1HP 1359 2 14 4,090 EMA Cedar Valley ARC W0GQ (+ AA0II) 1054 2 20 4,056 IA Arrowhead Radio Amateur Club W0GKP 1052 2 26 4,034 MN Boulder ARC W0DK 1242 2 10 3,996 CO Grand Rapids ARA W8DC (+ N8DGD) 1036 2 40 3,978 MI	Kent County ARC W3HZW (+ KE3UY) 1085 2 28 3,954 DE W7RDR (+ KB7PL) 878 2 11 3,950 WWA Trojan ARC W0WOB (+ K0CVVY) 687 2 19 3,876 KS Springhill ARC N5II 888 2 8 3,876 LA Tupelo ARC KK5K (+ KD5NSP) 1315 2 20 3,824 MS Tower Group K7VU 819 2 4 3,796 WY Howell County ARC W0HCA 742 2 14 3,794 MO Pottstown Area ARC K3ZMC 1065 2 16 3,788 EPA Tri-County ARC W8YEK 1477 2 15 3,786 OH Ashe County ARC W4FD (+ W4YSB) 749 2 30 3,766 NC Gallatin Ham RC W7ED 1141 2 21 3,754 MT VE3RC 771 2 25 3,740 ON Tar River ARC K4B (+ W4DCG) 1148 2 15 3,650 NC LARC-FARL K8UTT 1063 2 30 3,632 MI Lake County Assoc/ARES N4FLA 709 2 32 3,584 NFL Blackford Amateurs AA9Z 912 2 9 3,570 IN Xerox ARC WW2J 839 2 11 3,556 WNY Carbon ARC W3HA 777 2 6 3,554 EPA Kawartha AR Group VE3KRG 817 2 21 3,546 ON Emerg Comm Svc ARC WB2QBP 1096 2 27 3,542 NLI Heartland DX Assn N10DX 906 2 7 3,534 NE Sierra Blanca ARC KR5NM (+ K5RIC) 586 2 16 3,462 NM FORSYTH ARC W4NC (+ W4WS) 1122 2 80 3,450 NC SCCARA W6UW (+ W6UU) 948 2 15 3,438 SCV Northeast Wyoming ARA NE7WY (+ KE7HNM) 913 2 14 3,418 WY Foothills ARS K6YA 772 2 35 3,400 SCV Harrisburg Radio Amateur's Club W3UU 806 2 25 3,400 EPA Blue Ridge ARC W4YK 719 2 42 3,338 NC Vashon-Maury Island RC W7YMI (+ W7PDD) 670 2 26 3,332 WWA Guilford County ARES NA4GC (+ WA4DLF) 819 2 30 3,268 NC Ellsworth Amateur Wireless Assn W1TU (+ KA1BFA) 716 2 14 3,236 ME EPARA/PARK N3IS(+ W9OKA) 579 2 23 3,230 EPA Upper Peninsula DX and Contest Club NV8N 1480 2 5 3,230 MI Quinte ARC & Prince Edward RC VE3RL (+ VA3PEC) 807 2 15 3,224 ON DLARC W3OK (+ WV1B) 1047 2 30 3,186 EPA Richmond ARC VE7RAR 467 2 25 3,178 BC Tri-County ARC W9MQB (+ K9LO) 707 2 15 3,174 WI St Clair ARC K9GXU 795 2 19 3,138 IL Bloomington ARC W9INL (+ K9SOU) 561 2 59 3,112 IN Blossomland ARA W8MAI (+ W8KIT) 800 2 30 3,106 MI Goddard ARC WA3NAN (+ W3ZKI) 801 2 21 3,092 MDC Golden Triangle Amateur RC W6GTR (+ NU6E) 669 2 11 3,082 ORG Long Island Mobile ARC W2VL 746 2 80 3,040 NLI Stockton-Delta ARC W6SF (+ WB6NVB) 1025 2 24 3,030 SJV Michigan AR Alliance W8USA 741 2 14 3,000 MI	Hidden Valleys ARC & UW-Platteville ARC KC9KQ 620 2 25 2,998 WI Hewlett-Packard Boise ARC AB7HP (+ KD7KKC) 808 2 28 2,998 ID Penn-Mar RC W3MUM 743 2 12 2,988 EPA Valencia County ARA K5OUR (+ KC5OUR) 550 2 95 2,978 NM EPCOM VE7PCE (+ VA7PCE) 982 2 25 2,932 BC Chehalem Mountain Contest Club NN7OR 1076 2 5 2,922 OR Indianapolis Radio League W9VW 995 2 4 2,902 NM Susquehanna Valley ARC W3VPJ (+ AB3AJ) 612 2 20 2,882 EPA Southtowns ARS WB2ELW 690 2 24 2,878 WNY Edmond ARS K5EOK 664 2 45 2,840 OK Horned Toad Acres Wireless Assn N7KQ (+ K7AWA) 868 2 14 2,818 AZ Crown AR Group W3RP 852 2 3 2,762 WPA Oklahoma City Autopatch Assn W5MEL 564 2 27 2,754 OK Irvine Disaster EMCOMS N6IPD(+ K6NL) 591 2 44 2,752 ORG Mich-A-Con ARC KC8VC(+ N8LT) 543 2 12 2,726 MI Northwest Texas ARC W5CSF 970 2 13 2,710 WTX Central Michigan ARC W8MAA (+ KC8QZB) 668 2 18 2,702 MI South Baldwin ARC N4FBF (+ KD4ORO) 645 2 15 2,662 AL Mountain ARC WBW (+ WA6ONA) 473 2 75 2,644 SJV KA5E 796 2 15 2,644 STX W5ABF 566 2 16 2,634 NTX Paso Robles ARC W6T(+ W6LKF) 1234 1 29 2,626 SB Temple ARC W5LM (+ W5T) 617 2 12 2,608 NTX Elko ARC W7V(+ W7LKO) 601 2 14 2,600 NV Northrop Grumman RC N6PA 811 2 12 2,586 LAX Algoma ARC VE3SOO 640 2 12 2,580 ON K2PUT(+ K2PC) 656 2 33 2,578 ENY Lakeland ARC K4LKL(+ N3TJ) 476 2 14 2,560 WCF Tusco RC W8ZX 574 2 23 2,504 OH Easter Shore ARC K4BW 580 2 30 2,496 VA Yonkers ARC W2YRC (+ NS2M) 564 2 32 2,482 ENY Albemarle ARC W4DO 945 2 20 2,480 VA PART of Westford MA KD1D (+ WB1GOF) 575 2 35 2,478 EMA EMCOMs Assn of St Charles Co WOECA (+ N0PNP) 546 2 15 2,462 MO Robeson County ARS W4LBT 448 2 10 2,458 NC ARC Hohenwald K4TTC (+ AG4XG) 521 2 41 2,442 TN Waltham ARA W1MHL (+ N1HID) 597 2 8 2,432 NH Benzie AR Friends W8BNZ 635 2 39 2,428 MI Olive Branch ARC W5OBM 622 2 30 2,406 MS Sand Hills ARS W0MI 646 2 13 2,392 KS Douglas County ARC W0UK (+ N0TFU) 757 2 55 2,364 KS Wayne ARC N8IW 472 2 10 2,358 OH Radio Central ARS W2RC (+ W2RIA) 513 2 18 2,356 NLI Wall Ridge Group KK7UF (+ KK7WD) 567 2 7 2,342 EWA Nittany ARC W3YA 741 2 4 2,328 WPA Green Bay Mike & Key Club K9EAM 664 2 14 2,328 WI Tyler ARC K5TYR (+ W5ETX) 724 2 65 2,326 NTX	North Carolina Contest Group K4KQ (+ KU4GW) 536 2 12 2,324 NC Hospital Disaster Support Communications System K6EW (+ WA6OPS) 526 2 51 2,312 ORG Santa Fe Trail ARC KS0KS (+ K10KH) 311 2 28 2,304 KS Old Post ARS W9EOC 827 2 24 2,298 IN Straits Area ARC W8GQN (+ KD8CNS) 704 2 10 2,268 MI MARC KK5I (+ K5ZEP) 783 2 10 2,264 OK W6YL 560 2 7 2,264 SCV Middlesex AR Group AD4RG 453 2 8 2,256 VA Mesilla Valley RC N5BL (+ N5PK) 449 2 25 2,248 NM K7SAM 509 2 4 2,220 MT Johnson City ARA W4ABR 424 2 25 2,220 TN Mid-Atlantic ARC W3NWA 525 2 19 2,220 EPA Irving ARC N5BB (+ WA5CKF) 539 2 32 2,216 NTX Doers ARC of Ste Genevieve MO K0QOD (+ NR9A) 589 2 10 2,212 MO South East ARC N8ZT(+ K8EMV) 455 2 14 2,212 OH Radio Operators of South Texas W5ROS 784 2 15 2,210 STX Neptune ARC W2NRC 405 2 42 2,192 NNJ Wilderness Road ARC WN4E (+ WD4DZC) 572 2 32 2,188 KY Green Valley ARC N7GV 490 2 33 2,176 AZ SWLARC W5BII (+ W5GAP) 565 2 26 2,174 LA The Villages ARC K4VRC (+ K14DYE) 526 2 16 2,164 NFL Los Alamos ARC W5PDD 558 2 40 2,160 NM North Port ARC W4NPT (+ KG4WXE) 549 2 10 2,154 WCF Southern Oregon ARC K7LIX (+ WM7K) 567 2 30 2,148 OR Thompson River ARC VA7TRS 307 2 19 2,138 BC Cass County ARC W9VMW (+ N9PMW) 486 2 55 2,136 IN Table Mtn Boys AC7MA 485 2 3 2,134 EWA St Clair ARES K4SCC (+ KB4SBM) 654 2 38 2,108 AL Zero Beaters ARC WA0FYA 737 2 15 2,102 MO Aeronautical Center ARC W5PAA (+ KW5FAA) 618 2 41 2,094 OK Arlington ARC K5SLD (+ WB5CTQ) 246 2 56 2,094 NTX Kendallville Contesters / 21 Repeater Group W9N (+ N9VI) 398 2 45 2,078 IN Englewood ARS N4FA (+ W1NQT) 501 2 25 2,076 WCF CRAQ-Club Radio Amateur de Quebec VX2CQ 465 2 23 2,074 QC Puerto Rico ARL KP4ES 344 2 15 2,062 PR Sheriff's Tactical ARC W4H5O 274 2 18 2,046 WCF Kamloops ARC VE7UT 392 2 22 2,046 BC Hoosier Lakes RC K9CWD 443 2 40 2,030 IN Sierra Nevada ARS W7TA 403 2 31 2,028 NV Santa Clarita ARC W6JW(+ N7TN) 467 2 44 2,004 LAX Franktown AR Team N0LP 1294 1 17 2,002 CO Sportsman's Paradise ARC K4WAK 408 2 20 1,996 NFL North Ark ARS KK5XF 360 2 50 1,992 AR Mills Co ARC K5TRO (+ WA5NQR) 428 2 10 1,962 NTX Ellis County ARC WD5DDH 625 2 26 1,960 NTX Coshocton County AR Assn W8CCA 422 2 26 1,924 OH
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Rockingham County ARC N4IV 533 2 13 1,902 NC KE1IU (+ KB1FKL) 356 2 3 1,902 CT	West Virginia AR WV8AR 458 2 27 1,882 WV Mid-South Area W4RVM (+ K4GMT) 324 2 75 1,878 TN Dixie Renegades W17J 560 2 8 1,870 UT Northland ARC W9BCY 1194 1 21 1,866 WI Twin City Ham Club W5EA (+ W5PEM) 370 2 15 1,862 LA Kauai ARC KH6E 515 2 10 1,860 PAC Rowan ARS W4EXU (+ K14CKR) 609 1 36 1,838 NC Calgary ARS VE6NQ (+ VE6LFM) 391 2 13 1,838 AB Pine State ARC N1ME (+ WA1RES) 425 2 31 1,832 ME St Louis and Suburban RC W0DCW 352 2 25 1,824 MO Arlington Radio Public Service Club W4AVA 496 2 17 1,816 VA Franklin County ARC WE4A 459 2 15 1,812 NC Wright County ARS W0WCR (+ KC0JOG) 423 2 44 1,806 MN OGDEN ARC W7SU 601 2 12 1,798 UT Nomads N0TM 464 2 3 1,794 CO TCARS W9TAZ 586 2 15 1,792 IL Renfrew County ARC VE3KKO 354 2 38 1,786 ON UCSC IEEE Ham AC6P 486 2 10 1,782 SCV W0JV 565 2 20 1,780 IA Paris Radio Group AB00A 392 2 3 1,772 MO Costside ARC WA6TOW 310 2 12 1,768 SCV The Reading Radio Club W3BN (+ W3CCH) 488 2 49 1,744 EPA Alhambra High School ARC K6R 279 2 5 1,738 SB K8QMN 357 2 3 1,718 MI Boone AR Klub KB0TLM (+ KB0HYH) 325 2 9 1,718 IA Androskoggin Valley ARC K1AVR 295 2 17 1,692 NH West Branch ARA W3AVK 434 2 7 1,686 EPA Paulding ARC W4TIY (+ WD4LUQ) 223 2 25 1,684 GA Larkfield ARC W2LRC (+ KC2NRB) 297 2 32 1,680 NLI Clark Co ARC W9WWI (+ N9UGP) 318 2 31 1,678 IN Chenngo Valley ARA W2RME 533 2 18 1,668 WNY Triangle ARC K8BLP 373 2 13 1,652 WV Waterree ARA KK4F 700 2 12 1,650 SC Honeywell-Glendale ARC NA7D 585 2 6 1,648 AZ KY Colonels ARC KY4BG 463 2 23 1,646 KY Boulder ARC Juniors K1D 445 2 36 1,640 CO ENID ARC W5HTK 363 2 24 1,616 OK Albert Lea ARC NX0C 313 2 15 1,606 MN Home Box Office ARC WB2HBO 218 2 18 1,606 NLI Northwest Amateur Radio & Electronics Assn N0MS 525 2 13 1,604 MO Moreno Valley ARA AB6MV (+ KC6FJC) 192 2 35 1,600 ORG Pen Bay ARC W1PBR 288 2 24 1,598 ME Hendricks County ARS N9HC 416 2 40 1,598 IN Verde Valley ARA W7EI (+ N5RO) 512 2 38 1,596 AZ Tri County Repeater Assn W9NG 436 2 17 1,592 WI Fort Pierce ARC W4AKH 283 2 28 1,586 SFL Lake Ozark OZ N0ZS 431 2 18 1,582 MO	Anoka County RC W0YFZ 209 2 18 1,576 MN Amateur RC of Augusta W4DV 264 2 22 1,554 GA Plattsmouth ARC KB0SMX 167 2 16 1,554 NE McHenry Co Wireless Assn K9RN (+ K9HA) 523 2 15 1,546 IL Carteret EMVA ARC K2ZV 347 2 12 1,542 NNJ LaredoHams ARC INC W5EVH 277 2 15 1,538 STX Issaquah ARC W7BI 273 2 18 1,532 WWA Shuswap ARC VE7RAW 301 2 27 1,530 BC Theodore Roosevelt ARC K0ND 332 2 37 1,514 ND Sonoma County Radio Amateurs Inc W6SON (+ W6LFLJ) 493 2 14 1,506 SF Metuchen RC K2YNT 313 2 7 1,502 NNJ Cascades ARS W8JXN 295 2 12 1,466 MI Maple Valley ARC KC7KEY 424 2 28 1,452 WWA Huber Heights ARC N0BI 231 2 16 1,450 OH Gulf Coast ARC WA4GDN 254 2 34 1,448 WCF Ham Assn of Mesquite WJ5J (+ KD5ZAT) 422 2 50 1,444 NTX K7LMT 269 2 5 1,440 MT SARES 200 2 34 1,390 SCV KE6EPM 200 2 34 1,390 SCV Garden City ARC K8GC 257 2 18 1,388 MI Triangle East RA AC4UD (+ K14FYR) 196 2 15 1,372 NC South Kitsap ARC NI7G (+ N7CQ) 237 2 14 1,346 WWA Whitley County ARC N9HM 371 2 9 1,340 IN Chattanooga ARC W4AM (+ K4LCH) 334 2 29 1,338 TN Sevier County AG4ZU 391 2 3 1,320 TN Coon Valley ARC N0NAF 378 2 4 1,312 IA Radio Operadores Del Este KP3RE 173 2 21 1,312 PR Huntingdon AR W3VI 323 2 17 1,304 WPA Longview East Texas ARC KE5ERS 131 2 15 1,298 NTX Highland Lakes AR Club Inc K5HLA (+ K5RIK) 243 2 12 1,296 STX Palestine/Anderson County ARC K5R 241 2 35 1,294 NTX W0TE 452 2 12 1,292 MO Tech ARA/Scorro KC5ORO 284 2 10 1,288 NM K3NE 353 2 3 1,286 WPA Winnipeg ARC VE4BB 305 2 30 1,282 MB Spring ARC & NW Harris County ARES AD5IQ 152 2 4 1,278 STX Foothills ARC W4FAR 289 2 25 1,278 NC Foothills ARC W4HF 289 2 25 1,278 NC St Augustine Log Cabin Gang KF4AAF 338 2 5 1,278 NFL Calhoun County Emergency RC WX4O 128 2 12 1,276 AL Central Kansas ARC W0CY 318 2 27 1,268 KS Carter County ARA KN4E 306 2 12 1,262 TN Faulkner County ARC W5AUU 245 2 25 1,262 AR San Joaquin Valley ARS KG6WQT 129 2 28 1,258 SJV North Okaloosa ARC W4AAZ 148 2 15 1,248 NFL Alcorn Co ARES W4TX 286 2 27 1,242 MS Platte County ARG K0KEX 208 2 16 1,226 MO KY4WC 135 2 16 1,220 KY Big Island ARC KH6EJ 124 2 62 1,216 PAC N0PR 306 2 10 1,214 MO Yellowhead Amateur RC VE6YAC 359 2 5 1,200 AB South Alabama RC WC4M 174 2 22 1,198 AL Independent RA N1FZ (+ N8HSU) 166 2 15 1,196 OH Ontonagon County ARA K8ONT 185 2 14 1,190 MI Franklin Repeater Users KG4BK1 229 2 21 1,190 VA	Greenwood ARC VE1ARC 311 2 14 1,182 MAR Thomasville ARC W4UCJ 194 2 33 1,180 GA Coastal ARA KI4PFD 149 2 18 1,178 SC Victor Valley ARC K6QWR (+ KG6TGR) 309 1 28 1,176 ORG Clara BEARS BSA Troop 170 W6VLD 251 2 45 1,172 ORG Club Radioamateur de l'Estrie VA2UT 341 2 17 1,156 QC Meridian ARC W5FQ 265 2 35 1,148 MS WA8V 216 2 6 1,132 MI NHRC ARS W1CUM 194 2 8 1,120 NH IBM ARC W4IBM 216 2 5 1,116 GA 3936 Group K1TP 354 2 10 1,104 NH Little Egypt ARS KC9CZ 215 2 41 1,090 IL Shiawassee ARA W8QQQ 195 2 8 1,088 MI RADOPS of El Jebel Shrine K0FZ 235 2 9 1,076 CO K14PAY 348 2 10 1,070 VA RECWA KC2ONU 233 2 4 1,066 ENY Montgomery ARS NC4MC 224 2 9 1,054 NC Pella ARC W0ZVY 170 2 15 1,052 IA N1TN 247 2 23 1,044 ME Lockheed GA ARC W4LMA 172 2 14 1,020 GA Wantagh ARC W2VA 192 2 12 1,014 NLI Cherryville Repeater Assn II W2CRA (+N2MIF) 152 2 19 1,006 NNJ Laguna Beach EMCOM Team (RACES) K6GFI 171 2 40 996 ORG Chanute Area ARC/Independence ARC A0E 187 2 17 990 KS Nemo ARC W0CBL 171 2 10 974 MO Moose Jaw ARC VE5MA 251 2 11 952 SK Amador Co ARC K6ARC (+ W6QM) 207 2 4 944 SV K3DNA 249 2 6 936 WPA W6HK 242 2 15 934 ORG Seaway Valley ARC VE3VSW 260 2 8 920 ON Lemhi ARC AD7AN 159 2 3 896 ID Starke County ARC W9JOZ 166 2 31 896 IN Parsons Area ARC W0RT 194 2 5 890 KS Apple City ARC W7TD 93 2 13 886 EWA Dawg Daze Radio Group W6BIV 146 2 4 884 SB W6FU 164 2 10 878 LAX Manteca ARC K6MAN (+ WA0SAB) 186 2 5 872 SJV Mystic Valley AR Group N1MV 86 2 73 872 EMA Endless Mountains ARC N3EP 121 2 8 862 EPA Jefferson ARC/Westside ARC W5GAD (+ W5ABD) 103 2 12 856 LA Michigan Splatter Stik Group W8PKG 302 2 7 852 MI PIQUA ARC W8SWS 127 2 25 846 OH George East AR KE7EEM 145 1 11 834 OR Freed-Hardeman University ARC W4FHU (+ W5DAT) 36 2 21 822 TN MARA AC7R 67 2 15 816 AZ Sunset Group ARC K6TSG 256 2 3 812 ORG Portland AWA W1KVI 146 2 26 806 ME Rainbow Canyon ARC N7BO 242 2 10 804 UT UT-ID SouthBEARS W7EID 95 2 15 790 ID Laurel ARS KJ4NP 170 2 10 786 KY Broken Arrow ARC W5BBS 66 2 28 782 OK Metropolitan 222 ARS K2MET 239 2 3 778 NLI Winterstown HAMS KA1VBU 213 2 3 778 EPA Callaway AR League LLC K50B 256 2 13 776 MO	Assn des Radiomateurs Independants VE2REG 262 2 15 774 QC Frogmore Stew and Brew Crew WV4AM 184 2 8 766 NC Carolina ARES Assn WX4SC 179 2 20 758 SC Reno QRP Group W7FST 126 2 6 754 NV Chesco ARA K3BKG 210 2 6 754 EPA Fort Wayne Assembly ARC KC9DRG 123 2 3 754 IN Northern Chautauqua ARC Inc W2SB (+ WB7SWW) 90 2 8 742 WNY Champlain Valley ARC W2UXC 145 2 20 740 NNY Okanagan ARC W7ROC (+ KK7RX) 139 2 10 728 EWA International Assn for Astronomical Studies W0NHS 86 2 15 720 CO Holiday City ARC W2HC 134 2 21 718 SNJ Miami County ARC Inc W8FW 63 2 13 702 OH Oglethorpe CO ARES N2YYP (+ K14ARZ) 98 2 20 696 GA Tri-County RC NC4AR 123 2 6 686 NC Nassau County Police ARC NC2PD 216 2 4 682 NLI Preston Co ARES KC8KCI 87 2 8 670 WV Bi-State ARC KN0BS 107 2 7 664 IA Central GA ARC AE4VA 167 2 22 640 GA North Georgia ARC W4QQ 144 2 18 638 GA Sherburne County ARC W0BFK 32 2 11 614 MN North Shores ARC K6HAI 106 2 12 608 SDG Clifton Amateur Radio Society K3GDG 76 2 4 602 NNJ Tri-City ARC W1QV 196 2 12 592 CT Walton Co ARC KF4PDX 94 2 12 588 NFL Altus Area ARA AJ5Q 46 2 16 582 OK New River ARC N4NVR 38 2 10 576 VA Moncton Area ARC VE9MSR 149 2 9 558 MAR West Georgia ARS W4FWD 81 2 10 552 GA THE Jersey Seven KK4VY (+ KC4AUV) 72 2 3 548 VA Rowlett RACES KM5VZ 39 2 13 548 NTX Fullerton RC W6ULI 73 2 7 546 ORG Radio Amateur Society of Norwich N1NW 139 2 6 534 CT Maple Ridge ARC VE7CML 143 2 8 486 BC Jolly Ruger KC8IMB 65 2 4 480 OH Hall of Science ARC WB2JSM 153 2 10 456 NLI 955 Group N3D 16 2 10 424 DE Baccalieu AR Klub V01BRK 61 2 7 422 MAR Tonto ARA N7TAR 97 2 16 414 AZ Estero RC W6JU 78 2 7 408 SB Ak-Sar-Ben ARC K0USA 34 2 4 406 NE Nantucket ARA N1NBQ 39 2 7 402 EMA University ARC N7UW 75 2 21 400 WY Lower Yellow Stone ARC W7DXQ 72 1 5 372 MT West Repeater System W5TRS 134 2 5 324 NTX Delaware Valley Ragchew Club N2HQX 53 2 10 306 SNJ N0M 130 2 14 272 MN
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AR Public Service Assn  
AE8K 75 1 3 75 MI  
KJ0T 58 1 10 58 CO

3A Battery

Zuni Loop Mountain Expeditionary Force  
N6GA 586 5 5 6,205 LAX  
Flying Pigs QRP Club International  
W8PIG(+ G8IF)540 5 19 5,105 OH  
Eastern Pennsylvania QRP Club  
N3EPA 546 5 15 4,390 EPA  
Scenic City ARS  
W4SCA 349 5 31 2,975 TN  
QCWA 162- SE WIS  
K9AKG 124 5 22 1,895 WI  
Summit ARC  
WA3N 316 5 3 1,880 MDC  
Orange County ARES (Florida)  
W4MCO 47 5 22 1,020 NFL

3A

CoTek RA  
W9CA (+ N9GY)  
4946 2 22 18,142 IL  
Rochester (NY) DX Assn  
W2RDX (+ W2AN)  
3261 2 19 12,546 WNY  
Kennebec County ARES Team  
NT1N (+ K1XI) 3929 2 67 12,082 ME  
Eastern AZ ARS Inc  
K7EAR (+ N7GP)  
2703 2 15 10,372 AZ  
Southwest Dallas County ARC  
W5AUU (+ W5WB)  
2495 2 78 10,254 NTX  
Old Barney ARC  
N2OB (+ N2CW)  
2964 2 40 9,672 SNJ  
North Shore RC  
K9OR (+ K9RST)  
2705 2 75 9,486 IL  
Greater Norwalk ARC  
N1EV (+ W1NLK)  
2677 2 25 9,398 CT  
Palo Alto ARA  
W6ARA (+ K6OTA)  
2197 2 95 8,644 SCV  
The Minutemen  
N8OS 2674 2 5 7,606 MI  
Big Bend ARC  
K5FD (+ W5ATO)  
2053 2 15 7,430 WTX  
Medina 2 Meter Group  
W8EOC (+ W8MFU)  
2011 2 32 7,272 OH  
Kishwaukee ARC  
WA9CJN (+ K67EV)  
1855 2 14 7,200 IL  
Albany ARA  
K2CT 2117 2 53 7,152 ENY  
St Paul RC/Mining ARC  
W0MR (+ K0AGF)  
2006 2 44 6,946 MN  
Michiana ARC  
W9AB (+ W9BOE)  
1854 2 33 6,836 IN  
Newton and Hesston College ARS  
N0NK (+ K0HC)  
1812 2 29 6,752 KS  
Twin Cities Repeater Club  
W0BU (+ K0DMF)  
1705 2 64 6,582 MN  
Stonewall Jackson ARA  
K8DF 2109 2 23 6,572 WV  
Southern Vermont ARC  
K1SV (+ WT1B)  
2333 2 30 6,412 VT  
McKinney ARC  
W5MRC (+ K5EEN)  
1599 2 92 6,320 NTX  
Lincoln ARC  
K0KKV (+ W0EGK)  
1862 2 90 6,148 NE  
Davis County ARC  
K7DAV (+ N7CN)  
1672 2 75 6,074 UT  
South Orange ARA  
K6SOA (+ K6WO)  
1409 2 54 6,056 ORG  
South Canadian ARS  
W5NOR 1537 2 61 5,960 OK  
Western Washington DX Club  
W7DX 1604 2 16 5,952 WWA  
Kanawha ARC  
W8GK (+ W8FG)  
1715 2 26 5,908 WV  
Lockheed Martin Recreation Assn RC  
W5IU 1423 2 44 5,588 NTX  
Jupiter -Tequesta Repeater Group  
WY5I (+ AG4BV)  
1550 2 19 5,564 SFL  
Sterling Park ARC  
K4NVA (+ K4LDT)  
1327 2 14 5,554 VA  
Sioux Empire ARC  
W0ZWY (+ W0FSD)  
1421 2 15 5,136 SD  
Regina ARA  
VE5NN 1483 2 20 5,046 SK

Hernando County ARA  
K4BKV 964 2 43 5,022 NFL  
Paducah ARA  
W4NJA (+ K14GKW)  
1486 2 18 4,906 KY  
Stillwater ARA  
W0JH (+ K0WCA)  
1140 2 30 4,904 WI  
NASSAU ARC  
K2VN 1090 2 21 4,902 NLI  
Goshen ARC  
K9WJU (+ K9TSM)  
1062 2 60 4,876 IN  
Alliance ARC  
W8LKY (+ AB8KV)  
1381 2 22 4,810 OH  
Valley RC of Oregon DX SIG  
K7EB 1369 2 8 4,618 OR  
Shreveport ARA  
K5SL (+ K5SAR)  
1185 2 53 4,546 LA  
North Franklin ARS  
NF2AR 1092 2 10 4,542 NNY  
Dial ARC/Butler Co VHF  
K9PI 1210 2 56 4,526 OH  
Dial ARC/Butler Co VHF  
K8PI 1210 2 56 4,526 OH  
Oxford County ARES  
W1OCA 1034 2 36 4,478 ME  
Historical Electronics Museum ARC  
W3HEM (+ K3NHQ)  
773 2 15 4,436 MDC  
Livermore AR Klub  
N6A(+N6LMX) 1179 2 36 4,396 EB  
No Arizona DX Assn  
W7TB 1105 2 11 4,348 AZ  
San Andreas Faultline Survivors  
W6SW (+ WQ6X)  
1255 2 15 4,318 SJV  
North Shore RA  
NS1RA 985 2 35 4,308 EMA  
Central Missouri RA  
K0SI 961 2 30 4,214 MO  
NEKSUN/KVARC  
K0HAM (+ W0CET)  
913 2 43 4,180 KS  
Troy ARA  
N2TY (+ K52O) 1396 2 43 4,162 ENY  
East Bay ARC  
W6CUS (+ AA6XZ)  
999 2 25 4,158 EB  
Zamora Shrine RC  
W4ZHR (+ K4HAL)  
1133 2 22 4,142 AL  
The Albarmar ARS  
NC4EC 1192 2 30 4,112 NC  
New York City Transit ARC  
K2IRT 1310 2 15 4,096 NLI  
GNARC  
W6AW 1032 2 15 4,036 SV  
W4NLX 859 2 19 4,014 SFL  
Six Meter Club of Chicago Inc  
K9ONA 1058 2 19 4,004 IL  
San Fernando Valley ARC  
W6SD (+ K6KLP)  
999 2 75 3,966 LAX  
EFFECT/ECARC  
K8VEB (+ WA8WPI)  
1093 2 15 3,880 MI  
Fox Cities ARC Inc  
W9ZL 796 2 55 3,824 WI  
Mount Magazine ARC  
W5MAG (+ K5NDJ)  
1210 2 12 3,790 AR  
Charleston ARS Inc  
WA4USN 1006 2 33 3,768 SC  
Splitrock ARA  
K2RF 1233 2 30 3,766 NJ  
Test Club  
WA7BNM (+ TE5T)  
950 2 5 3,750 LAX  
Brandon ARS  
K4TN (+ KC4MMR)  
879 2 34 3,746 WCF  
Wireless Assn of South Hills  
N3SH 1005 2 15 3,742 WPA  
Monessen ARC  
W3CSL 1171 2 20 3,680 WPA  
Milford ARC  
W8YDK 1214 2 60 3,624 MI  
Hamfesters RC  
W9AA 1046 2 21 3,604 IL  
Warrensburg Area ARC  
W0AU (+ N3QD) 986 2 25 3,584 MO  
CRES ARC  
W8ZPF 1113 2 22 3,576 OH  
Northwest Illinois ARC  
N9WN (+ K9PAG)  
802 2 16 3,556 IL  
Hamilton ARC  
VE3DC 1165 2 29 3,544 ON  
Columbus ARC  
W4CVY (+ WX4RUS)  
646 2 64 3,466 GA  
Dickson County ARC  
WC4DC (+ NY4N)  
704 2 7 3,408 TN

Aero ARC/BRATS  
W3PGA (+ AE3RO)  
722 2 32 3,388 MDC  
Peconic ARC  
W2AMC 900 2 35 3,380 NLI  
Jefferson County ARC  
W7JCR(+ N7PL)551 2 54 3,318 WWA  
W9MRC (+ K9IZV)  
771 2 16 3,288 WI  
Chain O' Lakes ARC  
W8COL 839 2 12 3,286 MI  
Gaston County ARS Inc  
N4GAS 750 2 34 3,248 NC  
North Ottawa ARC  
W8CSO (+ KDBATU)  
759 2 52 3,208 MI  
South Lyon Area ARC  
N8SL 835 2 11 3,188 MI  
Bristol County Repeater Assn  
W1ACT 812 2 6 3,158 EMA  
W7OTV (+ W6ABM)  
641 2 52 3,152 OR  
Surrey ARC  
VE7SAR 908 2 14 3,136 BC  
Kennehocche ARC  
W4BTI 691 2 31 3,100 GA  
Red Ryder  
KB8TI 1160 2 10 3,094 MI  
Eastern Connecticut ARA  
K1MUJ (+ K1VSC)  
765 2 22 3,086 CT  
Tri County ARC  
WC5C 589 2 18 3,078 NTX  
Forsy ARC  
N0GF (+ WA0JXT)  
603 2 19 3,066 ND  
South Texas ARC  
N5CRP (+ KY5V)  
609 2 35 3,062 STX  
Pine Mountain DX Rangers  
K4PMR 762 2 5 3,044 GA  
SCARA Southern Counties ARA  
K2BR 700 2 22 3,038 SNJ  
W0ALX (+ W0BTS)  
472 2 15 2,984 MN  
Bristol ARC  
W4UD 892 2 30 2,960 TN  
Dr X's Stone Knives and Bear  
Party # 2  
W5R (+ K5TIT) 970 2 51 2,860 NTX  
K5ARC 650 2 21 2,852 LA  
BEARS of Seattle  
K7NWS (+ N7XTL)  
563 2 24 2,850 WWA  
Lake Erie ARA  
WB8CQR 583 2 16 2,832 OH  
Yucaipa Valley ARC  
K6YRC 642 2 40 2,826 ORG  
Cumberland Valley ARC  
W3ACH 629 2 18 2,810 WPA  
Bellevue ARC  
W0WYV 649 2 18 2,804 NE  
Milford ARC  
W8MRC 752 2 17 2,802 OH  
Mistabula Co ARC  
K8CY 757 2 19 2,790 OH  
Silvercreek ARA  
W8WKY 892 2 10 2,790 OH  
N9OI (+ K9RDS)  
1019 2 27 2,766 IN  
Mecklenburg ARS  
W4BFB 625 2 55 2,754 NC  
W6JAM 866 2 8 2,722 SDG  
Auburn University ARC  
K4RY (+ N4CBK)  
697 2 10 2,658 AL  
AG0J 547 2 29 2,646 MO  
West Palm / Palms West  
W4SS(+ K9EE) 725 2 30 2,642 SFL  
XWARN  
W8XRN 568 2 60 2,632 OH  
Nacogdoches ARC  
W5NAC 797 2 20 2,602 NTX  
Azalea Coast ARC  
AC4RC 521 2 43 2,596 NC  
Southern Berkshire ARC  
W1BAA/2 (+ K1LEE/2)  
389 2 11 2,580 ENY  
Clear Lake ARC  
NU5M 466 2 87 2,578 STX  
Grumman ARC  
W2ALQO 596 2 15 2,560 NLI  
Central Ohio ARES  
K8DDG 837 2 54 2,556 OH  
Riverside County ARA  
W6TJ 792 2 49 2,552 ORG  
AR Assn of Bremerton  
W7VE 451 2 9 2,528 WWA  
Bellbrook ARC  
W8DGN 656 2 40 2,524 OH  
Society of Newfoundland Radio Amateurs  
VO1AA 458 2 9 2,520 NL  
NOB 533 2 22 2,514 NE  
Fort Myers ARC  
W4LX (+ KB7GAT)  
469 2 25 2,476 SFL  
Big Rapids Area ARC  
N8OE 615 2 23 2,410 MI

Scranton Pocono AR Klub  
K3CSG 536 2 52 2,392 EPA  
Middle Tennessee ARS  
W4UOT (+ AF4JJ)  
393 2 38 2,382 TN  
Kings County RC  
W2RAK 626 2 10 2,382 NLI  
Chisholm Trail ARC  
WD5IYF (+ AF5Q)  
480 2 10 2,370 OK  
Grand Nelson Clan  
W9RVP 926 2 15 2,364 MT  
East Greenbush ARA  
W2EGB 851 2 16 2,358 ENY  
K0KL 615 2 24 2,348 MO  
Cambridge Amateur RA  
W8VP 472 2 14 2,332 OH  
Durham FM Assn  
NC4FD 750 2 15 2,324 NC  
Lake Area Radio Klub  
W0WTN 312 2 10 2,304 SD  
Aroostook ARA  
K1FS 640 2 30 2,268 ME  
Randolph County Emergency RC  
KE4DS 525 2 7 2,244 AL  
Fredericton ARC  
VE9ND 393 2 15 2,242 MAR  
Portage County AR Service  
K8CKP (+ N8WLE)  
455 2 55 2,232 OH  
Huntington Co ARS/Huntington Co 440 Rptr  
Group  
K9HC 482 2 11 2,226 IN  
Eva ARC  
K14FDU 490 2 33 2,220 AL  
University of Mississippi ARC  
W5UMS 448 2 12 2,214 MS  
CLARK County ARC  
W7AIA (+ K7JAO)  
375 2 89 2,170 WWA  
Karniak Butte Amateur Repeater Assoc  
WQ7O 339 2 30 2,160 EWA  
Rip Van Winkle ARS  
WD2K 518 2 20 2,160 ENY  
KB0Y 501 2 6 2,144 GA  
Bluegrass ARS  
K4KJQ 653 2 25 2,140 KY  
Jones County ARC  
NN0L 585 2 14 2,128 IA  
Rolla Regional ARS  
W0GS 502 2 14 2,100 MO  
W0BXR 507 2 35 2,092 IA  
Ramona Outback ARS  
NG6B (+ K6WZG)  
277 2 30 2,080 SDG  
Bill Gremillion Memorial RC BGMRC  
K4NRC 786 2 30 2,042 GA  
Burlington County RC  
K2TD (+ W2MAT)  
264 2 35 2,036 SNJ  
DeForest ARC Inc  
K8GE 313 2 16 2,020 OH  
Olympia ARS  
NT7H 426 2 22 2,004 WWA  
The FPL Group  
K8ESQ 517 2 3 2,002 MI  
Ottawa Valley Mobile RC  
VE3RAM 290 2 25 1,998 ON  
Sun City ARC  
K5WPH 600 2 10 1,978 WTX  
Wyandot Area Ham Operators Org  
KD8BNV 383 2 10 1,966 OH  
W4TRC 607 2 12 1,944 TN  
Pioneer AR Fellowship  
W8CTT (+ K8OKY)  
392 2 45 1,926 OH  
Corona Police CSV Team  
W6CPD 329 2 18 1,918 ORG  
Clallam Co ARC  
W7FEL (+ KE7XX)  
456 2 77 1,912 WWA  
Joplin (MO) ARC  
W0IN 483 2 10 1,896 MO  
Madison-Oneida ARC  
W2MO 429 2 15 1,888 WNY  
Utah Box Elder Thiokol RC  
NE7P 321 2 12 1,874 UT  
Rappahonnock ARA  
K4YM 463 2 29 1,866 VA  
Rampao Mountain ARC  
WA2SNA 563 2 7 1,864 NJ  
Northern Kentucky ARC  
K4CO (+ K14QH) 376 2 15 1,848 KY  
Greenville County Emergency Group  
K4ECG 215 2 40 1,830 SC  
Pierre ARC  
KA0SWL 507 2 15 1,754 SD  
Wichita ARC  
W0SOE 395 2 25 1,732 KS  
K2BWK (+ KB2RPV)  
341 2 13 1,722 WNY  
Cumberland Plateau ARC / Cumberland  
County EMCOMS Group  
W4CV 495 2 15 1,720 TN  
W2RUI 386 2 30 1,700 WNY  
Pecos Valley ARC  
W5ZU 181 2 32 1,698 NM  
Shoreline Auxiliary Communications Service  
W7AUX 384 2 14 1,682 WWA





Calaveras ARS N6FRG (+ AE6LA)	280 2 14 1,758	SJV	Hams of Gainesville K4EAC (+ W4IEI)	2411 2 51 9,276	NFL	Golden Empire ARS W6RHC	536 2 32 2,148	SV	Orange Co Radio Amateurs W4EZ (+ K14LLL)	575 5 35 5,350	NC			
East River ARC Bluefield WV W8MOP	424 2 6 1,758	VA	United Radio Amateur Club K6AA (+ W6HB)	3025 2 35 9,272	LAX	Upper Valley ARC K8FBN	264 2 26 2,128	OH	David Sarnoff ARC N2RE	240 5 44 3,385	SNJ			
Club Amateur Club of Knoxville W4BBB	195 2 27 1,654	TN	Hannibal MO ARC/Western IL ARC W0KEM	1748 2 40 7,370	MO	Alexandria RC W4HFH	383 2 20 2,106	VA	<b>7A</b> Hampden Co Radio Assn W1NY (+ WB1Z)					
K5BWD (+ K5RCT)	239 2 11 1,650	NTX	Schenectady ARA K2AE (+ N2JIM)	1637 2 50 6,390	ENY	Yolo ARS W6YAR (+ K6INB)	366 2 12 2,098	SV	2430 2 45 9,198	WMA				
Pasadena RC W6KA	368 2 90 1,580	LAX	Brazos Valley ARC KK5W (+ W5DPA)	1347 2 50 6,302	STX	Barry ARA KC8VTO	296 2 30 1,980	MI	Kalamazoo ARC W8VY	2364 2 50 8,088	MI			
W9IDX	402 2 4 1,580	WI	South Bay ARA KU6S (+ K6G6THI)	1683 2 50 6,160	EB	LaGrange ARC AB4GA	634 2 20 1,944	GA	Raleigh ARS W4DW (+ K4HF)	2692 2 48 7,868	NC			
Portsmouth ARC ARES W4POX	288 2 22 1,570	VA	St Petersburg ARC Med Wireless Society W4TA	1220 2 35 5,662	WCF	Gaston Co ARES/Lincoln Co RACES/Gastonia Area ARC	262 2 25 1,812 371 2 40 1,792	NC GA	Wheaton Community Radio Amateurs W9CCU	1276 2 24 5,148	IL			
NV8E	546 2 6 1,542	OH	Andrew Johnson ARC W4WC	1362 2 26 5,304	TN	Beloit ARC W9DL	307 2 5 1,772	IL	Gwinnett ARS W4GR	1335 2 84 4,120	GA			
Lakeway ARC W2IQ	359 2 26 1,538	TN	Sun Parlour Retirees ARC VE3OW	1872 2 20 5,296	ON	Fayette County ARES K4YKH	293 2 32 1,744	KY	Silverado ARS W6CO (+ K06FR)	879 2 20 3,970	EB			
West Santa Barbara County ARES KD4GBA	221 2 6 1,492	SB	Columbia-Montour ARC WC3A (+ KB3BJO)	1023 2 15 4,638	EPA	ARA of SW Florida K4YHB (+ KK4PG)	1456 1 25 1,733 341 2 9 1,632	SFL IL	Crawford Co ARC W8BAE	1382 2 40 3,950	OH			
North Hills ARC W3EXW (+ W3WPA)	192 2 32 1,468	WPA	Butler County ARA W3UDX (+ AA3YW)	1166 2 12 4,620	WPA	Chelsea ARC Inc W8BIEI	368 2 9 1,630	MI	Muskegon Area AR Council W8ZHO (+ AB8SC)	600 2 21 3,326	MI			
Highland ARA K8HO	257 2 21 1,402	OH	Penn Wireless Assn W3SK (+ K3JQH)	1041 2 20 4,572	EPA	Ogemaw Arenac ARS K8OAR	299 2 14 1,488	MI	Northern Ohio ARC K8KRQ (+ N8CX)	621 2 18 3,314	OH			
Cherokee ARS/Cherokee ARES AI4GL	166 2 12 1,390	GA	Cambridge ARC VE3SWA	1337 2 6 4,500	ON	Umpqua Valley ARC K7AZW (+ KB7WDR)	292 2 85 1,410 292 2 85 1,410	OR	Conejo Valley ARC AA6CV	644 2 50 3,240	SB			
Kings County Repeater Assn KC2RA	313 2 32 1,376	NLI	Highlands County ARC K4W (+ AG4ZM)	1033 2 30 4,254	WCF	Chippewa Valley VHF Contesters K9CVC (+ N9TTX)	118 2 20 1,116 79 2 9 1,102	WI MDC	Alario Area Radio Organization AA5RO (+ K5AUW)	548 2 75 2,986	STX			
Toothless Talkers N8IVE (+ KD8BHX)	408 2 17 1,336	OH	Smoky Mountain ARC W4QLB (+ K4AVG)	1039 2 58 4,184	TN	KB3MRP Totah ARC	217 2 15 1,096 69 2 16 1,088	NM OR	ARC of El Cajon WA6BGS	840 2 40 2,876	SDG			
Whitman ARC WA1NPO	312 2 18 1,324	EMA	Short Mountain Repeater Club W4IV (+ KF4ALB)	802 2 37 4,016	TN	K5WXI W7BU	217 2 15 1,096 69 2 16 1,088	NM OR	Tulsa ARC W5IAS	668 2 80 2,158	OK			
Greater Valley ARC K3GVR	207 2 6 1,184	EPA	Sangamon Valley RC W9DUA (+ N9PCS)	943 2 53 3,978	IL	Milwaukee Radio Amateurs Club W9RH (+ KA9OFA)	313 2 41 1,012	WI	Tuolumne Co AR and Electronics Society K6TUO	260 2 10 1,670	SJV			
Stanislaus ARA W6ERE	79 2 21 1,108	SJV	Holland ARC K8DAA	955 2 32 3,816	MI	Southern California Japanese Ham Club K6JP	367 1 10 917	LAX	Seattle ACS W7ACS	90 2 47 1,332	WWA			
Navarro ARC N5VO	111 2 25 1,104	NTX	RF Hill ARC W3AI	1224 2 20 3,788	EPA	<b>5A Commercial</b>								
Columbia ARC and Palmetto ARC W4MN	304 2 55 1,096	SC	Wilson ARC WC4AR	831 2 16 3,770	TN	Falls ARC K9RHH	447 2 9 1,248	WI	<b>8A</b> Rappahannock Valley ARC K4TS (+ W4IIM)					
Millbrae ARC WA6CTV	228 2 8 1,084	SCV	K7R (+ KC7OIO)	812 2 60 3,638	WWA	2537 2 53 9,798 VA								
Cumberland ARC K3IEC	329 2 12 1,080	EPA	Idaho Hillbillies KT7M	905 2 6 3,580	ID	Fox River Radio League W9NE (+ W9CEQ)								
Brookings Radio Research Club W0BXO	234 2 29 1,068	SD	Fort Wayne RC W9TE (+ KB9WWM)	734 2 43 3,504	IN	2280 2 80 8,836 IL								
K4WOC	88 2 12 1,066	GA	Starved Rock RC W9MKS (+ W9NPD)	594 2 54 3,408	IL	10-70 Repeater Assn Inc N2SE (+ W2MLS)								
Boyer Valley ARC K0BVC	140 2 30 1,030	IA	Milledgeville ARC W4PCF	864 2 21 3,264	GA	1678 2 60 7,776 NNJ								
W0CLR	227 2 15 1,004	MO	Northrop Grumman ARA W6TRW	1219 2 20 3,250	LAX	Wabash Valley ARA W9UUU (+ K9IKQ)								
Boise County ARC N7VIV	208 2 12 918	ID	Lake Monroe ARS N4EH (+ AG4PU)	703 2 60 3,138	NFL	1994 2 50 7,032 IN								
Greater Collegedale ARC AC4VF	322 2 15 794	TN	Philmont Mobile RC W3EM (+ W3PSH)	763 2 20 3,098	EPA	South Pickering ARC VE3SPC								
Kachina ARC W7EH	133 2 18 766	AZ	South Bay ARC W6SBA (+ AC6FB)	646 2 42 2,994	LAX	1921 2 20 6,974 ON								
Operation Team W8CYS	93 2 20 736	OH	Wood Co EMCOMS WC8EC	570 2 16 2,976	WV	1019 2 25 5,088 OH								
The Ohio State University ARC W8LT	227 2 15 580	OH	South East Metro ARC W0CGM	660 2 10 2,960	MN	MNARC/DCARA/MobileSixers/DelcoDUG Multi-Club Operation								
Quoboag Valley ARC W1QVR	136 2 20 572	WMA	SCARS/ARCA NC6SV	824 2 22 2,930	SV	N3NZ 1203 2 50 5,004 EPA								
Elk Co ARA N3NIA	325 1 25 525	WPA	Nortown ARC VE3NAR	1164 2 14 2,860	ON	Mahoning Valley AR Assoc W8QLY								
Scarborough ARC VE3WE	219 2 9 490	ON	Fountain Valley RACES/West Coast ARC W6WC	682 2 21 2,816	ORG	1398 2 43 4,918 OH								
<b>4A Commercial</b>														
W1BD	823 2 20 2,366	VT	Chesapeake ARS W4CAR	827 2 40 2,814	VA	BEARS of Manchester W1BR5								
Capital City ARC W7TCK	146 2 13 410	MT	20/9 ARC K8TKA	551 2 29 2,710	OH	1025 2 42 4,202 CT								
<b>5A Battery</b>														
Franklin Co ARC W4FCR	761 5 17 8,365	VA	Waterville Area Wireless ASSN WA1WA	524 2 19 2,600	ME	Kauka Lake ARA A12U								
Durham Region QRP Club VE3QDR	726 5 5 7,625	ON	Clarksville Operating Radio Enthusiasts K4ORE	599 2 10 2,562	TN	357 2 42 2,116 WNY								
Elgin ARS VE3RSE	384 5 18 4,045	ON	Horseshoe ARC K3HRC	468 2 31 2,558	WPA	247 2 12 1,922 SB								
Alameda County RC N6WG	396 5 10 3,685	EB	VE3VM	1066 2 12 2,528	ON	<b>9A Battery</b> West Valley ARA W6PIY (+ AD6RE)								
North Coast ARC N8NC	369 5 40 3,615	OH	Mount Diablo AARC W6CX	636 2 10 2,466	EB	843 5 41 9,190 SCV								
<b>5A</b>														
Port City ARC K1R (+ W1WQM)	5754 2 35 19,192	NH	Southern California Amateur Transmitting Society	752 2 24 2,462	LAX	<b>9A</b> GMA RC VE3GMA								
Roanoke Valley ARC W4CA (+ KK4HR)	4559 2 70 15,320	VA	Triple A ARA AC3J	708 2 30 2,436	WPA	6023 2 31 19,842 ON								
Ozaukee RC W9LO (+ AA9W)	4061 2 80 14,034	WI	Toledo Mobile RA W8HHF (+ KB8PAI)	448 2 24 2,356	OH	1790 2 31 7,836 GA								
Huntsville ARC K4BFT (+ KB3DXR)	4154 2 47 13,700	AL	Lassen ARC K6LRC	513 2 20 2,274	SV	K3ARS (+ N3WGC) 485 2 12 1,824 MDC								
Virginia Beach ARC & VADXC W4UG (+ K4IX)	3408 2 86 12,236	VA	W82UX	586 2 20 2,224	ENY	<b>10A</b> Gloucester Co ARC W2MMD								
Pina Colada Contest Club KP2AA	3775 2 5 12,018	VI	<b>7A Battery</b> NM FD Coalition AA5B											
Loudoun ARG K4LRG	2416 2 40 9,888	VA	1549 5 8 16,165 NM											
<b>13A Battery</b> K8UO (+ W8IC)														
1633 5 12 16,050 MI														





