

Field Day 1997

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and

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When and if a call comes through for help with emergency communications, we know we will be ready. Field Day 1997 tells us that—it was an outstanding success! Field Day is an emergency communications preparedness exercise, and boy, do we have people that are interested in emergency communications! Judging by the excitement generated on Field Day, it clearly ranks far ahead of all other operating events. It's not an exaggeration to say that Field Day is the premier operating event of the year.

If you didn't participate in this year's Field Day, you were one of the few folks who didn't relish the excitement. Besides providing us with the opportunity to practice our emergency communications skills on a national level, Field Day is unquestionably fun and exciting. It offers most anything you can think of—club outings, lots of contacts, opportunity to try new modes and bands, camaraderie, great food, station setup, and emergency training.

Clubs and groups play a very important part in Field Day. It's not easy to pull together everything that you need for a successful Field Day by yourself. Clubs have the members and resources for getting everything done. They have the ability to find experts in all phases of Field Day—leadership, setup people, equipment suppliers, cooks, operators, traffic handlers, public relations people, computer experts, clean-up crews, and so on. You wouldn't think a little emergency preparedness exercise would entail so many different things. Active clubs spread the responsibilities among their many club members. This lets everyone in the club enjoy themselves and get down to what they really like—operating!

In a time of real disaster, we will need this network of emergency communicators. That's why we practice on a national level in portable locations. The goal is to learn to operate in abnormal situations under less-than-optimum conditions. As the old saying goes, "Practice makes perfect." That's why we know we will be prepared, and have the people and resources that are required, when called upon to provide emergency communications.

Field Day keeps on growing! This year more than 33,285 people headed for their favorite locations and set up 2038 sites—up slightly from 1996. Again, SSB proved to be the most popular mode of communication. There were 782,943 phone QSOs reported, and 495,350 CW QSOs, for a grand total of about 1.2 million contacts.

In keeping with the tradition and spirit of



Jessie, KE4RLJ, working 80 meters through the early morning hours.

Top 10 Scores

Call Sign	Score	Class
N1NH	22,080	27A
W4IY	16,904	9A
W2GD	15,824	4A
K4BFT	14,462	5A
KK8M	14,175	17A Battery
K7TR	14,108	4A
N8FD	13,306	6A
K5DX	12,706	2A
K2AA	12,602	6A
W9MU	12,112	3A



Todd, KF6KWF (a new ham), is eagerly operating the VHF station with his H-T.

emergency communications, 1622 participants ran 100% emergency power. There were 1390 generator-powered FD stations and 458 stations used batteries.

The 2A entry category was again the most popular with 594 entries. The second most popular class was 3A with 366 entries. Check the boxes for further breakdowns.

Comments from several groups are listed below. See you next June 27 and 28 for Field Day 1998!

W9HL, 1B2, Illinois

My son Spencer, KB9OPD, and I had a great time operating Field Day. We started setting up at 1800 UTC and made our first contact at 1848 UTC. The weather was ideal and we enjoyed the afternoon out together. Our operating time was short because of other commitments, so we had to close down the station at 2200 UTC. The station consisted of a Kenwood TS-50, Outbacker Perth antenna with an Alpha Delta tripod, a TH-79A, a roll-up J-Pole for 2 meters, a KPC-3 packet TNC and an HP200LX palmtop computer for packet. Our solar panel generated 1.4 A to charge two 700 mA/h gel cells to power the station. We had so much sun, the batteries were still fully charged when we closed down!

W3MWY, 1B1B, Maryland/DC

Edison was right: 1% inspiration and 99% perspiration. The whole idea got started at a Quarter Century Wireless Association (QCWA) luncheon. That's when I realized that 1997 would be my 50th anniversary as a ham. Why not celebrate with Field Day?

At first, Field Day did not seem to be a viable way to celebrate a golden anniversary. My experience lately had been limited to 30 meter operating. Besides, the "field" part of Field Day long ago lost its allure. But would it be possible to operate from my own back porch some 50 feet away from my regular station with a "ground up" installation? I queried the fellows at the table, and they all seemed to agree.

Armed with inspiration, I sallied forth to the perspiration part and gained an education as well. The rig became the first priority because I would have to operate in the regular ham bands; my MFJ-9030 30-meter transceiver would be useless. And as a die-hard QRP operator, I refused to buy a 100-W rig. I considered a Ten-Tec because its tiny band modules provide considerable flexibility. A small rig would also be an asset if I ever decided to return to Mooseonee, Ontario, for a great mini-DXpedition, or to VO2 or FP8 lands. The days were slipping by and I re-



AD4PU giving W5WW a lesson in sending code.



Ed, AH7L, shows the operators the proper way to turn on the HF rig. "Without this button engaged," he points out, "the operating procedure can not continue!"



Chris, KB0VCG, aboard the *Synergism* at sunset in Carterlake, Colorado.

mained on the horns of my dilemma. I finally settled on the Ten-Tec. It was ordered and all I had to do was wait for the UPS truck.

The battery would be a snap. I'd just run down to Kmart and grab an automobile type off the shelf and jury rig a station for a test run. Whoa! There are batteries and there are batteries. Automobile batteries provide a gigantic punch for a few seconds and then get recharged immediately by the car's alternator. That wouldn't do for a Field Day station. I needed something that could tolerate a 20% 2-A and an 80% 6-A duty cycle for a 24-hour period. That meant a battery in the 20 A/h range. So, I bought the DC-6 deep-cycle type, thanks to the patience of the engineering sales people at Exide. When all the components were assembled, I was ready for a test run.

At about 30 minutes into my test, the digital readout of the rig went blank. It was less than two weeks before Field Day! I was devastated. I had visions of faking the whole show on 30 meters for the benefit of all the nonhams I had invited to the event. I contacted Scott Robbins at Ten-Tec the next morning. He assured me he would personally see to it that my radio would be back in time.

While I waited I made signs to direct friends and other interested parties to my station. To my immense relief, the rig returned safe, sound and fixed a full week before Field Day.

Field Day Entries By Class

1A	283	14A	1	2D	6
2A	594	17A	1	3D	8
3A	366	21A	1	4D	4
4A	127	27A	1	1E	81
5A	83	1B1	112	2E	13
6A	30	2B1	2	3E	4
7A	18	1B2	61	4E	2
8A	7	2B2	25	5E	1
9A	9	3B2	2	7E	1
10A	4	1C	37	8E	1
11A	6	2C	4		
		1D	143		

The great day arrived. Out came the sling shot and weighted monofilament line. Zing! I shot my antenna support line up and over the wrong limb of the right tree. It wasn't as high as I had wanted, but it was acceptable. I posted the guide signs for my visitors. The beer and soft drinks were cooled. The potato chips, pretzels and goodies were put out by my wife Alice. Using my Realistic receiver, I copied the W1AW Field Day message. At 1800 UTC, I plugged in the rig and awaited the commencement of Field Day.

Whatever anxiety I had about an untried rig soon vanished as I started racking up QSOs. By 0600 UTC Sunday morning, I had reached 98. The weather was warm, but not hot. The QRN was manageable, and I did not get bitten by a single mosquito. My visitors received an up-close-and-personal introduction to ham radio and enjoyed the party. In short, it was great!

The one moment of high drama came when Sir Ruff of Wolverton, our Belgium Shepherd-Labrador, who never before touched anything on the table, decided to sample the icing on the golden anniversary cake. Like Marmaduke of cartoon fame, he did not have to climb to reach it but just gave the one side of it a swipe of his tongue.

Thus my first Field Day in more than 40 years ended. Do I look forward to doing it again next year? As the guy in the Pontiac TV ad says, "You can bet your Ascot I do."

N5BL, 2A, New Mexico

The Mesilla Valley Radio Club had one of its most frustrating Field Days in recent years. It all started Wednesday evening when our Field Day chairman gave me a call saying that he had a family emergency and had to leave for Dallas the next day. The responsibility then fell on me as club president to finish making plans for the weekend.

Friday afternoon our antenna crew did a bang-up job getting everything in place, and we thought we were in good shape. But when I went to open the gates at the site (our local high school soccer field) at 7:15 Saturday morning, I discovered that all of our antennas were down! During the early part of Friday evening, a microburst with extremely high winds roared through and wiped us out.

Well, what to do next? We got our crew together, disassembled our ruined 3-band Yagi antenna and put a vertical in its place. We located a new mast for our 10-meter Novice/Technician Plus station beam, and reset our 6-meter beam.

As this was happening, an emergency call came in from the Mesilla Valley Search and Rescue, requesting us to send a crew to Mayhill, New Mexico, 100 miles away. They needed our assistance to provide communications during the search for a 15-year-old youth who had not returned from a hike on Friday. A substantial portion of our Field Day crew promptly headed for Mayhill.

Looking back on the weekend, I realized that our situation really exemplified what Field Day is all about—making everything work under adverse conditions. We could not have done this without the cooperation of our club members. They went the extra mile.

KC7UXA, 1D, Nevada

What a deal! After being off the air for 30 years, I recently rejoined the ham ranks. When Field Day arrived I was still new to everything, but learning fast! A lot had changed in 30 years.

I went on the air Saturday for what I expected to be a few leisurely 40-meter CW QSOs. To my astonishment, the bands were filled with wall-to-wall signals. I had never heard so many hams on the air at the same time! I had always thought that Field Day was about setting up in remote locations and working a few stations. Obviously, I had no concept of what Field Day really was!

I wanted to jump right into the fray, but didn't know what to do. I tried to make a couple of SSB QSOs. My first contact was with an operator at W6CUS in the East Bay

section. He was nice enough to take the time to explain the class and section exchange to me, and I was on my way. I don't know the op's name. We only exchanged class and section, after he educated me.

I did not end up with a huge score, but I got my feet wet. I'll be back next year with a plan—instead of a lot of questions!

NIØA, 1B1B, Minnesota

I chose to operate QRP this year using my daughter's new North Woods cabin on Island Lake, about 20 miles west of Duluth, Minnesota. I arrived on the scene with two portable antennas: a 40-meter delta loop and a newly refurbished 102-foot dipole outfitted with a new heavy-duty 450- Ω ladderline feed.

I decided to put up the dipole because I wanted to work 80 meters without a lot of hassle. But now, looking back, I should have put up the delta loop. It might have been easier!

Because of the heavily wooded area, the only place to put up any kind of wire antenna was above the cabin in a north-south direction. The longest open distance was only 80 feet between a tree on the southern edge of the clearing and another tree at the northern edge. At the northern edge the property dropped off at a steep angle down to the lake 80 feet below. I decided to shorten the dipole by folding down 10 feet of antenna wire at each end so that I could fit it into the space. I ended up with a shortened dipole sloper. All this was accompanied by many missed shots with a sling-shot. A heavy wind was causing the lead weights to drift off target and it was so beastly hot that sweat kept rolling into my eyes. Various critters were chewing at me, including tiny no-see-ums that raised big swollen welts where they chose to sting.

At the start of the contest on Saturday, I tried 40 meters, but was unable to raise anyone with my 4 W. I quickly switched to 20 meters where I did much better. I had to cease operation for about three hours early Saturday evening when heavy weather moved in with lightning and loud crashes of thunder. Further delay was caused by more rough weather moving in at mid-morning on Sunday, but it cleared up before the end of the event. I was happily surprised at all the activity on 15 meters and was chalking up QSOs on that band right to the very end.

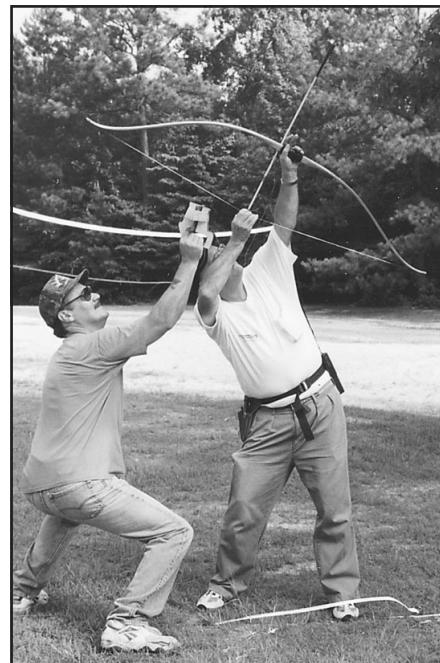
Because of my QRP status, I chose the strategy of search and pounce. It was extremely frustrating to hear some ops with strong signals, rapidly sending strings of CQs without pausing long enough to hear a response from someone trying to contact them. I'll bet they unknowingly missed a lot of contacts! It was a fun Field Day, however, and I can hardly wait for next year!

W8DZ, 2A, Ohio

It was a wonderful experience. Except for a very brief shower around midnight, the weather was magnificent, like the views from all sides of Mount Storm Park. The antennas were, well, "adequate." The rigs and other equipment were great. The camaraderie, the



Vickie, N6WWO, did the logging and operated the 2-meter packet station, while Pete, W6PMV, worked on 40-meter SSB.



"Yeah, that looks like a good spot!" KC5GVB and WB5VEV putting up the CW line. Watch out for those low-flying ducks.

guys and gals who participated, were the best of the best. Just a couple of examples include:

- Somewhere between 1 and 2 PM, Kishore, KC8FNA, resolutely drew a bead and fired a weighted line into a tree. His aim was true but he was standing on the line. It instantly snapped back to earth, never reaching the tree. Many hams, including Kishore, were on the ground laughing!

- Around dawn, Jay, N9JP, and Bob, W8RHR, fixed an antenna and antenna tuner that *weren't* broken. Surely one of our finest moments!

- In the middle of the night, Charlie, KB8BWE, startled the sleepy operators by suddenly appearing on the scene and racking up a tremendous number of CW points.

- Another set of night owls, Jeremiah, KE4TCO, and Allen, WA9IRS, worked feverishly with rigs and computers to line up a satellite contact. Charlie, KB8BWE, jumped in and helped make the kill. It was good team effort and another success.

- Anna, KC8DWR, stole one contact after another as she ran the Novice/Tech station. What is it about the sound of a female voice that makes even the toughest contestants and DXers respond, "The YL! The YL only! Go ahead!"

The set-up took an hour and a few minutes. The tear-down was accomplished in 30 minutes flat! Lots of help, lots of willing hams—truly a Field Day to remember, and a great foundation on which to build. See you next year!

AA8UP, 1B2B, Ohio

This was the first Field Day for me, AA8UP, and John, KC8GGO. I had monitored in years past, but never participated actively. John was a relatively new ham and I, though having been licensed for 4 years, had just bought my first HF radio. We decided to operate 1B-battery for a couple of reasons. First, we had only one HF rig and, second, we had access to a marine battery.



What a way to spend the day. N7SFI, making contacts through the AMRAD-OSCAR 27 satellite.

Our plans were finalized, but my dentist intervened. He extracted all four of my wisdom teeth on the Friday before Field Day. There is nothing that increases CW speed like not being able to speak clearly. Murphy struck 5 minutes into the event when the 40 meter sloper snapped as I struggled to free it from a tree. We finally got on the air with a patched antenna. I ended up doing most of the operating because John hates CW and we had trouble making contacts on 10-meter sideband with less than 5 W. He did, however, pick up a few contacts on VHF/UHF FM.

We decided to tear down on Saturday night because of Sunday schedules, and the fact that my jaw was sore and swollen. We had a great time, though, and are ready for more next year.

W4VA, 2AB, Virginia

June 28, 1997, dawned warm, but with very low humidity. It looked like the weather gods were going to be kind to us this year.

We retrieved the gate key from the Airlie Conference Center and began our set-up at about 1315 UTC. We had the mast for the CW position in the air by about 1400 UTC. It was used to support one of K4LLQ's tape-measure antennas. KI4RO was unable to get his laptop to function, so the CW position had to resort to paper and pencil logging. N7DC provided the shelter of his RV and the CW position was on the air at 1800 UTC. (A special thanks is due for K4EU and N3KTO for coming by and helping us to man this position and keep it on the air.)

We then began erecting W4NFR's 40/80-meter three-element wire beam near the SSB position. The station itself was housed in a very nice Airstream trailer provided by KD4CAJ. From all indications, in spite of the poor propagation, the antenna seemed to work pretty well.

Setting up the triband Yagi—donated to the club by N3ND prior to his departure to Florida—was a major undertaking. We decided to use a 20-foot extension ladder as a mast support. We got the rotor mounted and raised the ladder. We then threw a rope over the top and hoisted the Yagi into position. Then someone convinced Leon, KE4TSP, to climb the ladder and drop the Yagi into the rotor. It became apparent that Leon, in spite of a Herculean effort, was not going to be able to accomplish the task. Maybe we should get a helicopter to come by and drop it in for us!

We decided to lower the support, attach the Yagi to the rotor on the ground, and then raise the whole thing into place. Darn, it's getting close to 1800 UTC! We recruited AB4YK's pickup to provide the horsepower needed to pull the entire system into the air. Success! The tribander was in the air by about 1745 UTC. Leon again scurried up the ladder and oriented the Yagi for us. KI4RO brought over the laptop, but couldn't get it to boot up. Fortunately, Peter, KF4QMY, volunteered to run home and retrieve his laptop.

On our VHF position we had a 6-meter beam from AD4IW and 2-meter beam from AB4YK. We decided to use another 20-foot extension ladder to support these antennas. KB4USU, KF4RMM and KF4NYZ manned the VHF position while KF4NYZ took care of the Novice/Tech station. Sheila was able to keep both of these stations operational for at least 75% of the 24 hour period. She kept her troops fed, watered and on the air. Thanks, Sheila!

We did pretty well with the club's first-ever QRP Field Day. We managed 180 QSOs, 162 CW QSOs, 23 VHF QSOs, 5 Novice SSB QSOs, and 16 Novice CW QSOs and packet QSOs. N4YXW got our 5 natural-power QSOs for us. The city and county both proclaimed the week to be Amateur Radio Week.

KA7G, 4A, Montana

This was the first Field Day for our new club and the results were outstanding. We had lots of good press and a very good turnout for the event. Everyone operated and we had participants ranging in age from 8 to 84. We were not without Murphy's intervention, however. During the preceding weekend our area experienced heavy rains resulting in major flooding. Some areas received as much as 22 inches of rain. This necessitated a last-minute location change and renotification of everyone. Also, as evening began to arrive on Saturday, so did thousands upon thousands of mosquitoes. All last-minute changes are not bad; our club call sign arrived in the mail on the day before Field Day. We didn't score huge numbers of points, but everyone considered it a great success!

W8BAP, 3A, Ohio

No one could remember when the last "old fashioned" Field Day was organized by the Scioto Valley Amateur Radio Club. Some believed it had been more than 10 years since the club had ventured away from its clubhouse for the event. This year would be different. The Field Day committee decided that it was time to get the club out into the field! The club met and agreed; this year W8BAP would be "A" class, generators, tents, bugs, sun, dirt, and no air-conditioned clubhouse!

President Betty Walsh, WB8GZM, described how much she enjoyed the last old-fashioned Field Day she had participated in so many years ago. Before the meeting adjourned, Mary Turner, K8KX, located some wire in the back of the clubhouse. She gave it to Bill Dean, KA8MID, and asked if he could make up some dipoles. The club members allocated funds to be spent for food, as well as for gas for the generators. But if a Field Day station became a reality, would anyone show up to operate?

On the morning of the big day, our Field Day committee drove to the base of a fire tower that was to be our site. They found more than enough members ready and eager to setup the station. During the event itself,



The YLs got involved, too. Sonia, N0YSZ, makes a contribution. Rumor has it the YLs made more contacts than the OMs.



Nancy, N7LW, is busy operating under the pines.



Two members of the Lee DeForest Amateur Radio Club man the information table. There were 42 participants in this 4A operation.

more than 25 members and visitors came to the W8BAP site. That's twice the number of members who ever attended the last two Field Days at the "comfortable" clubhouse!



Sandi Heyn, WA6WZN, looks on while KA6PFB and KE6WDM work hard to get those contacts. They were part of the Anaheim Amateur Radio Association and operated from the Elks facility at Garden Grove.



Members of the Ranch Cucamonga ARES/RACES join to operate Field Day from a local fire station.

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

Scan Red Ant Annihilators	The Alias	Fauquier ARA	Radio Free Favro	Eastern Arizona ARS
WB6EGI 521 2 8 1,242 LAX	KH7B 479 1 10 679 PAC	W4VA (+KF4NYZ) 357 5 20 3,570 VA	W2RA (+KA2WFJ) 1837 2 15 5,976 WNY	K7EAR (+K7EAR) 1360 2 7 4,272 AZ
Non-Club Group	Radio Hill Gang	North Penn ARC	BARC	Tucson IBM ARC
KC7WYQ 620 2 6 1,240 WY	W6TLK 287 2 5 674 SF	W3BTON (+N3CTK)	K5UZ (+KD5ATN)	W7IBM (+N7OJT)
Florida Keys ARC	Jackson County ARC	304 5 6 3,555 EPA	1753 2 9 5,952 AR	1125 2 15 4,272 AZ
K4HG 310 2 14 1,220 SFL	WA3HDS 185 2 6 670 OH	Lodi ARC	Non-Club Group	Oklahoma City Autopatch Assn
Painted Cave Field Daze Club	Jupiter-Tequesta Repeater Group	N6SVJ (+KF6DKL)	K7PGL 1687 2 7 5,902 MT	W5MEL (+N5VIT)
W6OOQX 432 2 10 1,218 SB	WY5I 114 2 10 670 SFL	343 5 16 3,250 SJV	Bladen ARS	1043 2 100 4,260 OK
Lyndon State College Alumni ARC	Franklin County ARC	Fulton ARC	W4WH 1749 2 24 5,802 NC	Len & John Beer Co
AA1VT 368 2 6 1,214 VT	KE4ZIM 129 2 6 658 AL	W2CXV (+KC2BMJ)	Foud du Lac ARC	WF2V (+KB2FGO)
Orange Co Hospital Support Group	Sunshine Coast ARC	450 5 4 2,800 WNY	W9LUQ (+WA9EYM)	920 2 7 4,258 WNY
K6EW 296 2 15 1,202 ORG	VE7SCA 122 2 22 644 BC	Historical Electronics Museum RC	1634 2 25 5,712 WI	Carroll County ARC
Halton ARC	Battlefords AR Assn	W3GR 257 5 10 2,745 MDC	Arlington ARC	K3PZN (+N3JJA)
VE3OD 149 2 12 1,198 ON	VE5KC 115 2 12 632 SK	Dekalb County ARC	K5SSL (+KC5MQB)	1134 2 25 4,258 MDC
Non-Club Group	Non-Club Group	W40ZK 304 5 20 2,700 AL	Gila ARS	Southern Peninsula ARK
W4ATC 245 2 10 1,196 NC	Lea County ARC	Nasa Lewis ARC	K5GAR (+KC5WAR)	W4QR (+WL7CL1/4)
New Hanover County ARES	KMBS5 112 2 3 626 NM	NA8SA (+KB2ZJF)	1450 2 28 5,672 NM	Butler County VHF Assn
W4WAR 224 2 20 1,192 NC	Puyallup Valley ARC	275 5 15 2,450 OH	Motor City RC	W8CCI (+KC8FUZ)
Non-Club Group	KC7QIC 139 2 4 622 WWA	Forsyth ARC	W8MRM (+KB8VXV)	1172 2 40 4,250 OH
W7UB 267 2 4 1,188 EWA	Non-Club Group	Three Generations of Hams	Western WA DX Club	Radio Operadores Del Este
CRA Rive-Sud Montreal	KD8CP 214 2 7 628 MI	K5HBU 297 5 7 2,295 AL	W7FR (+KC7IXZ)	KP3V (+NP3MS)
VE2CLM 235 2 30 1,160 QC	Lea County ARC	Dulles ARG	1711 2 15 5,618 WWA	KP4-Mountaineers
Non-Club Group	KG8CW 403 2 3 1,130 MI	KR4FH 311 5 20 2,195 VA	KP3C (+WP4IFC)	KP3C (+WP4IFC)
H.B. RACES	Blossomland ARA	Idaho PCB's	1249 2 17 4,160 PR	Edison RA/A Tin Lizzy
K6RUB 396 2 20 1,128 ORG	W8MAI 212 2 10 582 MI	WC7F 228 5 3 2,095 ID	W8ICN 1052 2 22 4,158 MI	W8ICN 1052 2 22 4,158 MI
Stephen F Austin RC	Oconto First-Timers	SI UI. IL/ARC/SARA	1509 2 10 5,606 WPA	Southwest Dallas County ARC
W5SFA 243 2 4 1,116 STX	W9ZMR 240 2 4 580 WI	W9UJH 135 5 12 1,175 IL	WT5G (+KB7TMD)	1172 2 40 4,250 OH
Non-Club Group	Sandusky Radio Experimental Leag	Minneapolis QRP Society	1427 2 9 5,578 IL	Radio Operadores Del Este
W5VDU 468 2 3 1,106 OH	W8LBZ 271 1 16 575 OH	K8OR 13 5 15 530 MN	1264 2 25 4,172 PR	KP3V (+NP3MS)
Aerojet ARC	Siemens ARC	Southeastern Arizona RS	Weekend Warriors ARCC	KP4-Mountaineers
K6CLZ 284 2 18 1,102 LAX	K4BH 96 2 6 562 SFL	AATJB 26 5 4 430 AR	KB3AFT (+KB2BJJ)	KP3C (+WP4IFC)
Central Carolina ARS	Prosser Youth Radio Org.	2A	2A	Edison RA/A Tin Lizzy
N4WLD 175 2 14 1,100 NC	KC7QHH 26 2 5 552 EWA	Texas DX Society	1249 2 17 4,160 PR	W8ICN 1052 2 22 4,158 MI
Eastern Shore ARC	AE5U Group	K5DX (+KC5UTP)	1450 2 28 5,672 NM	CCARA
K4BW 239 2 31 1,096 VA	AE5U 125 2 10 550 NTX	4172 2 54 12,706 STX	W8GO 1027 2 8 4,134 OH	W8GO 1027 2 8 4,134 OH
Cascade RG	Patrick Henry ARA	San Diego DX Club	9K9M (+KA9NOW)	Soper Hill ARC
WB7DHC 335 2 4 1,090 WWA	KM4ZS 248 2 6 532 VA	K6NA (+N6QBD)	1547 2 40 5,294 IL	NN7N 994 2 8 4,088 WWA
North Island ARS	Auburn Support Group	2882 2 35 10,140 SD	Tar River ARC	Novi ARC
VE7ARK 295 2 50 1,090 BC	N7NGO 163 2 19 530 WWA	Radios Amateurs of Northern VT	1921 2 11 5,282 NC	W8RS (+W8MHL)
Non-Club Group	Elmer Group SW Mont.	W1NVT (+N1WYA)	1595 2 8 5,364 GA	STARs
N8AHA 225 2 3 1,082 MI	KC7WMD 212 2 5 524 MT	Northwest ARS	W8ABZ (+N4KRN)	WB2ELW 1105 2 27 4,070 WNY
Non-Club Group	Frederick ARC	W5NC (+KC5NRR)	1526 2 15 5,204 SCV	Independent ARC
VE6ARC 386 2 12 1,072 AB	K3ERM 60 2 11 520 MDC	W5NC (+KC5NRR)	1526 2 15 5,204 SCV	AA0KW 970 2 12 4,066 IA
Butte ARC	Bergfield ARC	Out-of-Our-League	Anderson RC	Drake ARC
W7FO 327 2 14 1,054 MO	WQ0Z 200 2 3 500 MO	K1ET 242 2 5 484 EPA	1300 2 16 5,178 SC	K8UU (+N8ZRL)
Story County ARC	Royal River Rats	2731 2 106 8,808 STX	Hewlett-Packard Andover RC	886 2 20 4,062 OH
W0YL 322 2 9 1,052 IA	NI1XT 188 2 4 476 ME	W9LM (+KB9MRF)	W1HP 1372 2 19 5,176 EMA	Great Falls Area ARC
Tidelands ARS	RRRA Team 2	2437 2 28 8,626 IL	Reading Radio Club	W7ECA (+KC7JVT)
K5BS 211 2 10 1,036 STX	N2RLY 73 2 10 474 WNY	Utah Contesting Club	1370 2 70 4,996 EPA	1032 2 20 4,056 MT
IQ0Q-WV	Shoreline ARC	NG7M 2226 2 5 8,440 UT	Massillon ARS	Clinton County ARC
WB8NSL 117 2 3 1,034 WV	W1BCG 96 2 16 444 CT	The Three C's	W8NPN 1383 2 35 4,954 OH	W9PC 930 2 25 3,968 IN
Non-Club Group	934th MARS Ops Group	K2QMF 2664 2 3 8,278 NLI	PPRAA/MARC	W3TBG (+N3WYN)
AB6LJ 353 2 3 1,026 SV	W6NTN 168 16 444 LAX	Williamson County ARC	WA0VU (+N0SFP)	1146 2 51 3,966 DE
Radio ATs	Suburban ARA	N5TT (+KB5VWL)	1326 2 35 4,940 CO	North Shore RA
W4POP 89 2 8 1,016 TN	KU8B 162 2 19 424 OH	2636 2 63 8,232 STX	KX1N (+N1UEC)	KX1N (+N1UEC)
Juneau ARC	Eckerd UDC	NFARS	1370 2 70 4,996 EPA	982 2 10 3,958 EMA
KL7IG 208 2 25 1,016 AK	KK4TA 211 2 5 422 SFL	W4IZ (+KD4UJK)	North Country ARC	K1NCR 867 2 22 3,944 NH
Trenton ARC	934th MARS Ops Group	2023 2 21 7,380 SFL	W5CA (+K05XX)	Albany ARA
VE3YTR 227 2 24 1,010 ON	W0VW 106 2 20 412 MN	Horned Toad Acres Wireless Assoc	1587 2 30 4,844 STX	K2CT (+WD2AJS)
Non-Club Group	Latin American ARC of SF	K7OX (+KTZWI)	Picker W8NL (+KC8CUK)	869 2 68 3,922 ENY
W4XK 379 2 6 998 TN	K9GTG 97 2 6 394 SCV	2226 2 25 7,734 LAX	KET7LE Repeater Users Group	
Eastern N.H. ARC	OTHER Club	St Louis ARC	1209 2 13 4,814 OH	KET7LE (+N7RLK)
KC5TBT 149 2 12 998 NM	NY2LI 145 2 6 390 NLI	K0LIR 2233 2 26 7,564 MO	1020 2 30 3,902 WWA	
RA Tech Soc	Central Mo RA	Arkansas River Valley ARF	Willamette Valley DX Club	Garden City ARC
AA8SB 195 2 3 980 IL	KC8OJN 36 2 7 372 KY	K5PXP (+KC5KSL)	W7AC 1400 2 8 4,776 WWA	K8GC (+K4BQCU)
Lakewood ARS	Woodford County ARC	2210 2 23 7,424 AR	Assoc RA of Southern NE	1086 2 40 3,876 MDC
VA3GDH 271 2 29 972 ON	KF4INN 36 2 7 322 CO	Kettle Moraine RA	W1AQ 1204 2 21 4,756 RI	Johnson Co RAC
Lima Area ARC	Telephone Pioneers ARC	N9KS (+N9JPG)	Cedar Valley ARC	W0ERH (+KB8SPQ)
W8EO 270 2 5 970 OH	W0PTU 111 2 3 386 MO	2149 2 18 7,422 WI	W8GQ (+KC2AKY)	867 2 45 3,866 KS
Lebanon ARC	Hermit Park Hermits	W9LM (+KB9MRF)	1209 2 13 4,814 OH	Growthtron Repeater Users
K0WL 275 2 10 950 MO	322 CO	2023 2 21 7,380 SFL	W1GR 1149 2 32 3,852 ME	Santa Clara County ARA
Jackson ARC	W0PTU	W8ABJN (+K4KBP)	1239 2 7 4,632 LA	W6UW (+KC6SPV)
AA0MM 204 2 10 948 KS	W5P ARS	1523 2 16 4,672 AZ	1239 2 7 4,632 LA	East Alabama ARC
Non-Club Group	K14AR 110 2 6 320 SFL	W8ABJN (+K4KBP)	1239 2 7 4,632 LA	K4RY (+KE4TFE)
N4UMB 262 2 4 942 NFL	K9BOIE 102 2 9 304 WI	Horned Toad Acres Wireless Assoc	1169 2 15 3,838 AL	1239 2 7 4,632 LA
West Jackson County ARC	VE3ZY 59 2 3 296 ON	K7OX (+KTZWI)	Ham Assn of Mesquite	AB5RM (+N5ULG)
N5OS 84 2 8 938 MS	White Rock ARC	2017 2 13 7,316 AR	1255 2 12 4,626 WI	1195 2 30 3,834 NTX
Bristol and Bolton Radio Guys	VE7DB 19 2 6 238 BC	Schaumburg ARC	LARC (.K4HEX (+KD4MLL))	Delta ARC
KE1C 245 2 9 936 CT	W9LM (+KB9MRF)	K6JP 2 20 7,844 NFL	1345 2 40 4,592 VA	W4BS (+KD4FTJ)
Aero ARC	NY2LI 145 2 6 390 NLI	2210 2 30 7,188 IL	Surburban Technical ARS	902 2 48 3,818 TN
W3PGA 252 2 9 910 MDC	Woodford County ARC	1209 2 13 4,814 OH	W9SRC (+KA9ZXN)	Citrus Belt ARC
Lockheed Martin ARC	KF4INN 36 2 7 372 KY	1210 2 10 6,766 VA	1255 2 20 4,572 IL	W6JBT (+KE6YQM)
K2QR 112 2 9 902 WNY	Brookings Radio	1212 2 21 6,766 VA	West Essex ARC	875 2 31 3,816 ORG
Free State ARC	W0BXO 61 2 3 222 SD	W5NA (+KC5VME)	W2EF 1135 2 17 4,558 NNJ	Calumet ARES
K3IVO 394 2 8 888 MDC	Valencia County ARA	1728 2 25 6,752 MS	Blue Ridge ARC	KN9P 928 2 9 3,806 WI
Non-Club Group	KC5OUR 30 2 10 160 NM	Halifax ARC	W4YK 1231 2 40 4,558 NC	Puerto Rico DX Club
N0XWN 341 2 3 884 CO	Non-Club Group	VE1FO (+VE1SCM)	W2ZC 2780 1 10 4,556 WNY	KP3DX 814 2 11 3,802 PR
Montreal ARC	W8XY 42 2 3 84 OH	1873 2 31 6,658 MAR	W8AL (+KB2FZX)	Douglas County ARC
VE2ARC 262 2 10 870 QC	887 2 20 6,846 CO	N1NC 1657 2 10 6,656 EMA	1100 2 45 4,462 OH	W0UK 1068 2 15 3,800 KS
Texas Mule Skimmers	Watertown ARC	Radio Central ARC	W0KEM (+N0ZOF)	Delta loop Group
K5TMS 230 2 4 860 STX	N9HR 67 2 7 234 WI	W2RC 1982 2 31 6,612 NLI	1266 2 9 3,766 EPA	K3CDZ (+N3QLA)
Ogdensburg ARC	Brookings Radio	1878 2 25 7,162 MO	Falmouth ARA	East Bay ARC
N2TB 192 2 10 854 NNY	W0BXO 61 2 3 222 SD	The Goat Ropers ARC	W6CUS (+KF6HEX)	W6CUS (+KF6HEX)
LBARC	W0PTU	NS2Z 2239 2 13 7,064 NTX	1570 2 12 4,452 CT	952 2 40 3,766 EB
AB6KF 165 2 5 850 SJV	W5NA (+KC5VME)	Washoba Valley AR	BSA Trop 566	Mercer Co ARC
Quinte ARC	KF4SP 181 2 7 664 STX	1837 2 31 6,658 MAR	6K6SA/7 1622 2 7 4,426 NV	W3LIF 1383 2 26 3,764 WPA
VE3RL 204 2 12 828 ON	W7ALR 128 2 9 556 AZ	N1NC 1657 2 10 6,656 EMA	WRECS 871 2 16 3,742 IL	Rams-Saturn
Fergus ARC	Circle M RC	W2LC 1870 2 40 6,256 SNJ	K8NI (+WB8QGR)	Tioga County ARC
VA3RP 123 2 6 808 ON	W5MOT 100 2 3 200 STX	1899 2 28 6,192 SCV	1250 2 30 4,398 OH	KA3MMM (+N3OEW)
Parma ARC II	W5MOT 100 2 3 200 STX	Cape Fear ARS	Keesler AFB ARC	1022 2 15 3,728 EPA
K8UZW 104 2 10 808 OH	W8XY 42 2 3 84 OH	K4MN (+N4EWG)	K5TPY 1157 2 15 4,380 MS	EARS
Dead Armadillo RC	W8XY 42 2 3 84 OH	1897 2 50 6,248 NC	Arrowhead RAC	K2EC (+N2ZLL)
KG5NA 241 2 9 796 STX	W5MOT 100 2 3 200 STX	San Jose State University	W9GKP 1244 2 10 4,366 MN	961 2 16 3,702 NLI
Muscle Shoals ARC	K4RC (+WB1YQ)	W6YL 1867 2 13 6,226 SCV	Palo Alto ARA	Southern Piedmont ARC
K4E4RVs 183 2 6 766 AL	1559 5 21 11,060 VA	W6OTX (+KD6KYT)	K9WM 1296 2 9 4,362 IL	WD4NHW 717 2 12 3,652 GA
DFMA	Ski Country ARC	1899 2 28 6,192 SCV	W4MLB (+KD4UHF)	Polk Ham Club
W4R4AGC 181 2 7 762 NC	K0R7 (+KB0VKC)	1897 2 50 6,248 NC	1228 2 37 4,338 SFL	W4TJM (+KE4VBA)
South Canadian ARS	865 5 10 7,700 CO	1899 2 13 6,104 CO	FSAARC	724 2 46 3,644 SFL
W5OU 179 2 11 758 OK	Colorado QRP Club	Shelby Co ARES/Honda AEP Lifeline	W5JE 1074 2 40 4,290 AR	Santa Fe Trail ARC
Midland County ARES	W0CQC (+KB0ROL)	1591 2 34 6,070 OH	AB5PX 1046 2 25 4,290 NTX	KS0KS 941 2 20 3,644 KS
N5WT 221 2 8 752 WTX	823 5 24 7,455 CO	County Line ARA	W2GZJ (+N2KGW)	Consumes River Mountain Lion
Chippewa ARC	ESL ARC	1517 2 23 6,004 EPA	N9FH (+WB9UEN)	KN6OX 2158 1 12 3,639 SV
KC9KQ 172 2 12 744 WI	K6EI (+KF6EJS)	1517 2 23 6,004 EPA	1015 2 10 4,274 WI	Four Tops
Romans Rangers	766 5 10 7,040 SCV	Montrose ARC	1022 2 15 3,728 EPA	K4IF 1077 2 4 3,636 VA
NQ5X 265 2 7 740 NTX	W5KA (+KB5PDQ)	W5SX (+NOXMI)	LEFROW 929 2 22 4,276 NJN	Yellowstone RC
Naturist Ham SIG	Austin ARC	1899 2 13 6,104 CO	N9FH (+WB9UEN)	K7EFA (+K7EFA)
KG5BR 269 2 4 738 STX	W5KA (+KB5PDQ)	1591 2 34 6,070 OH	1015 2 10 4,274 WI	881 2 12 3,606 MT
Lanark Co ARES	Walton Radio Assn	1591 2 34 6,070 OH	1015 2 10 4,274 WI	
VE3IW 225 2 8 718 ON	W2LZ 550 5 15 5,830 WNY	W1GZ (+N1MGO)		
Non-Club Group	Montachusetts ARA	1899 2 28 6,192 SCV		
WA0RAC 200 2 4 702 SFL	W1GZ 723 5 10 5,750 WMA	1899 2 28 6,192 SCV		
Non-Club Group	Austin ARC	1899 2 28 6,192 SCV		
W6WN 175 2 10 700 SF	W5KA (+KB5PDQ)	1899 2 28 6,192 SCV		
Bloomfield ARC	572 5 79 5,585 STX	1899 2 28 6,192 SCV		
W1CWA 152 2 3 694 CT	West Park Radios	1899 2 28 6,192 SCV		
N9YXA Contest Group	W8VM 573 5 12 5,150 OH	1899 2 28 6,192 SCV		
N9YXA 137 2 4 684 IL	Wyoming Valley QRP Commandos	1899 2 28 6,192 SCV		
Koolau ARC	K7SZ 502 5 6 5,120 EPA	1899 2 28 6,192 SCV		
KH6OS 135 2 25 680 HI	K3II (+KB3BPR)	1517 2 23 6,004 EPA		

WTRA KF4ADJ	455	2	23	1,518	VA	High Sierra Seniors W6SI	387	2	3	1,124	SCV	Darke-Miami old Tyme ARC W8OUG	194	2	4	738	OH	QCWA 162 Chapter KB9LWJ	64	5	13	1,045	WI	Dallas ARC W5FC	1366	2	32	4,732	NTX
Astroastook ARA K1FS (+N1WRV)	254	2	23	1,504	ME	Quad Sounds ARC VO1QS	204	2	10	1,118	NL	North St Louis County ARES NT0B	172	2	12	722	MN	Water Tower Hill Operation WY21R	27	5	4	730	VT	CRA Brownsburg VE2CWB	1535	2	17	4,690	QC
Non-Club Group AE4UK	465	2	15	1,502	KY	Eagle Lake ARC WC2T	550	2	4	1,100	EPA	Culpeper ARA AC4KP (+KF4LEI)	103	2	11	722	VA	Twin Cities Repeater Club VE7CBC	25	5	3	435	BC	Twin Cities Repeater Club W0BU (+N0MQL)	1517	2	40	4,606	MN
University of Oklahoma ARC W5TC	451	2	14	1,502	OK	Radio Amateur Downstate III Org W9GH	160	2	18	1,094	IL	Saint John ARC VE8SJA	61	2	18	722	NB	North Shore RC N9AT	1525	2	50	4,556	IL	North Shore RC N9AT	1525	2	50	4,556	IL
Gaston Co ARS K4TP	335	2	12	1,492	NC	Drumlins ARC WA2AAZ	156	2	21	1,094	WNY	SSARC Steamboat Springs K0YO	162	2	8	716	CO	HF Ops of SW Ohio KU8D	1277	2	19	4,554	OH	HF Ops of SW Ohio KU8D	1277	2	19	4,554	OH
Bill Gremillion Memorial RC K4SEX	399	2	20	1,488	GA	Vill. of Melrose Farm E.S. KB9OMV	142	2	30	1,094	IL	Greater Mason County ARA AB5BX (+N0QGU)	148	2	25	716	NTX	Hamfesters RC W99A (+KB9MLH)	1318	2	33	4,540	IL	Hamfesters RC W99A (+KB9MLH)	1318	2	33	4,540	IL
Bonner Co ARS N7GHW	630	2	8	1,460	OH	Katy ARA KC5UJM	340	2	16	1,088	STX	Nevada ARC W0HL	153	2	7	706	MO	Loudoun ARG K4LRG	1151	2	21	4,504	VA	Loudoun ARG K4LRG	1151	2	21	4,504	VA
CCARC N3FYD	479	2	8	1,458	WPA	Lunenburg County ARS VE1LUN	241	2	6	1,082	MAR	Dublin ARC WA4HZX	69	2	25	692	GA	Shreveport ARA AE5T (+KBSSG)	3569	2	45	11,310	NNJ	Shreveport ARA AE5T (+KBSSG)	3569	2	45	11,310	NNJ
Auburn ARA K2BFB (+K2BFB)	171	2	24	1,446	WNY	Viking ARA WA0CJU	363	2	12	1,074	MI	Lincoln Co ARC K1J7M	240	2	10	680	OR	Cary ARC N4NC (+KE4CDI)	4097	2	46	12,112	IL	Cary ARC N4NC (+KE4CDI)	4097	2	46	12,112	IL
Snohomish County Hams Club WA7LAW (+KB7JVN)	284	2	14	1,442	WWA	Conair ARC W6UUS	195	2	14	1,072	SDG	Kootenia ARA K7ID	148	2	15	668	ID	Regina ARA VE5NN	3442	2	29	11,972	NC	Regina ARA VE5NN	3442	2	29	11,972	NC
Placentia ARES/RACES AC6LC	320	2	14	1,440	ORG	Giles ARA K4FSCQ	195	2	12	1,070	VA	Blue Ridge ARC KA4IXK	180	2	6	660	VA	Antelope Valley ARC K6OX (+KD6LAY)	1223	2	50	4,322	LAX	Antelope Valley ARC K6OX (+KD6LAY)	1223	2	50	4,322	LAX
South Baldwin ARC W4INU	317	2	12	1,426	AL	Huntington Co ARS K9HC	275	2	12	1,050	IN	Southern Iowa Repeater Assn WF0Y	77	2	23	656	IA	Port City ARC W1WQM (+N1VZU)	1151	2	21	4,504	VA	Port City ARC W1WQM (+N1VZU)	1151	2	21	4,504	VA
Mobridge Area ARC K0ERM (+N0XOG)	191	2	6	1,408	SD	West Seattle ARC W7AW	266	2	9	1,054	WWA	No-Club Group AD3E	162	2	6	656	EPA	City ARC W1YF (+N1LOO)	2747	2	35	11,030	LA	City ARC W1YF (+N1LOO)	2747	2	35	11,030	LA
Athena RC N4ALE	429	2	25	1,392	GA	W7AW	266	2	9	1,054	WWA	Maria Net Group AH2Z	128	2	26	654	PAC	Nashville ARC/Tn Contest Group K4CPO (+WB5ZDS)	2731	2	35	10,474	TN	Nashville ARC/Tn Contest Group K4CPO (+WB5ZDS)	2731	2	35	10,474	TN
Manatee ARC K4KG	532	2	10	1,364	SFL	W7AW	266	2	9	1,054	WWA	Billerica ARA W1TTQ (+N1VLT)	153	2	7	706	MO	Regina ARA VE5NN	1149	2	16	4,396	SK	Regina ARA VE5NN	1149	2	16	4,396	SK
FORCE K3UAV	253	2	4	1,360	MD	W7AW	266	2	9	1,054	WWA	W6ZG	126	2	10	652	SCV	Antelope Valley ARC K6OX (+KD6LAY)	1223	2	50	4,322	LAX	Antelope Valley ARC K6OX (+KD6LAY)	1223	2	50	4,322	LAX
Temple ARC W5LM	280	2	15	1,360	NTX	W7AW	266	2	9	1,054	WWA	Clear Creek Radio Group W0OG	220	2	3	640	MI	Port City ARC W1WQM (+N1VZU)	1069	2	38	4,312	NH	Port City ARC W1WQM (+N1VZU)	1069	2	38	4,312	NH
Vackson Hole Area ARC N7UEI	320	2	10	1,352	WY	W7AW	266	2	9	1,054	WWA	W7AW	266	2	9	654	PAC	Chattanooga ARA W4AM (+KB4OBO)	1151	2	21	4,504	VA	Chattanooga ARA W4AM (+KB4OBO)	1151	2	21	4,504	VA
Lorain Co ARA KCB8ED	325	2	23	1,350	OH	W7AW	266	2	9	1,054	WWA	W7AW	266	2	9	654	PAC	Port City ARC W1WQM (+N1VZU)	1069	2	38	4,312	NH	Port City ARC W1WQM (+N1VZU)	1069	2	38	4,312	NH
Flambeau ARC KQ9J	454	2	15	1,350	WI	W7AW	266	2	9	1,054	WWA	W7AW	266	2	9	654	PAC	Power Alley DXA NC9T (+KA9WZQ)	2747	2	35	11,030	LA	Power Alley DXA NC9T (+KA9WZQ)	2747	2	35	11,030	LA
Simco County A.R. Enthusiasts VA3SDX	370	2	7	1,348	ON	W7AW	266	2	9	1,054	WWA	W7AW	266	2	9	654	PAC	Six Meter Club of Chicago K9ONA	1021	2	27	3,994	IL	Six Meter Club of Chicago K9ONA	1021	2	27	3,994	IL
Foothills ARC W3LWV (+KA3NZH)	361	2	15	1,328	WPA	W7AW	266	2	9	1,054	WWA	W7AW	266	2	9	654	PAC	Pymatuning ARC K3LX (+N3NNW)	1151	2	21	4,504	VA	Pymatuning ARC K3LX (+N3NNW)	1151	2	21	4,504	VA
O'Brien County ARA W8CON	263	2	4	1,326	IA	W7AW	266	2	9	1,054	WWA	W7AW	266	2	9	654	PAC	Riverside County ARA W6TJ (+N6WGO)	1135	2	13	3,992	WPA	Riverside County ARA W6TJ (+N6WGO)	1135	2	13	3,992	WPA
Mission Air Emergency SS VE7MIS	405	2	5	1,310	BC	W7AW	266	2	9	1,054	WWA	W7AW	266	2	9	654	PAC	Frontier ARS and LVRAC K07D	1297	2	18	3,982	WY	Frontier ARS and LVRAC K07D	1297	2	18	3,982	WY
N4SIS	389	2	6	1,292	NFL	W7AW	266	2	9	1,054	WWA	W7AW	266	2	9	654	PAC	Shelby County ARC W4SHL	1093	2	94	3,940	NV	Shelby County ARC W4SHL	1093	2	94	3,940	NV
Tennessee Tech A.R.S. WA4UCE	234	2	8	1,292	TN	W7AW	266	2	9	1,054	WWA	W7AW	266	2	9	654	PAC	Non-Club Group AA0YX	1595	2	21	3,792	CO	Non-Club Group AA0YX	1595	2	21	3,792	CO
The Blue Ridge Video & Digital Soc N2EDE	343	2	12	1,290	VA	W7AW	266	2	9	1,054	WWA	W7AW	266	2	9	654	PAC	Xerox ARC N2PB (+KB2UQP)	919	2	20	3,768	WNY	Xerox ARC N2PB (+KB2UQP)	919	2	20	3,768	WNY
Seaway Valley ARC VE3VSW	355	2	8	1,284	ON	W7AW	266	2	9	1,054	WWA	W7AW	266	2	9	654	PAC	Sioux Empire ARC W0ZWY (+KCCBEY)	976	2	15	3,744	SD	Sioux Empire ARC W0ZWY (+KCCBEY)	976	2	15	3,744	SD
Salem Area ARA K8BTB	257	2	32	1,264	OH	W7AW	266	2	9	1,054	WWA	W7AW	266	2	9	654	PAC	Clarksville ATs K4L (KF4FVO)	881	2	86	3,762	ORG	Clarksville ATs K4L (KF4FVO)	881	2	86	3,762	ORG
Fort Armstrong Wireless Assn AA3HP	228	2	15	1,262	WPA	W7AW	266	2	9	1,054	WWA	W7AW	266	2	9	654	PAC	Frontier ARS and LVRAC K07D	1297	2	18	3,982	WY	Frontier ARS and LVRAC K07D	1297	2	18	3,982	WY
Hualapai ARC WA7LAZ	380	2	12	1,260	AR	W7AW	266	2	9	1,054	WWA	W7AW	266	2	9	654	PAC	Delaware Lehigh ARC W3OKN (+N3NLJ)	2747	2	36	7,712	NNJ	Delaware Lehigh ARC W3OKN (+N3NLJ)	2747	2	36	7,712	NNJ
Marion ARC W8GVB	226	2	21	1,256	OH	W7AW	266	2	9	1,054	WWA	W7AW	266	2	9	654	PAC	Southwest MO. ARC K0QT (+N0TDW)	1905	2	71	7,368	MO	Southwest MO. ARC K0QT (+N0TDW)	1905	2	71	7,368	MO
ARA of Bremereton W7VWE	219	2	12	1,250	WWA	W7AW	266	2	9	1,054	WWA	W7AW	266	2	9	654	PAC	Redwood Empire DX Assn W6KB	2142	2	10	7,170	SFL	Redwood Empire DX Assn W6KB	2142	2	10	7,170	SFL
Princeton ARS W4KBL	269	2	28	1,244	KY	W7AW	266	2	9	1,054	WWA	W7AW	266	2	9	654	PAC	Northeast MO. ARC K0QT (+N0TDW)	2142	2	16	6,924	LA	Northeast MO. ARC K0QT (+N0TDW)	2142	2	16	6,924	LA
Big Thunder RC WA9WGM	349	2	15	1,236	IL	W7AW	266	2	9	1,054	WWA	W7AW	266	2	9	654	PAC	Wickford ARA W1TTQ (+N3DPB)	153	2	27	3,992	WPA	Wickford ARA W1TTQ (+N3DPB)	153	2	27	3,992	WPA
St. Hyacinth CRA VE2CAM (+VE2GMM)	179	2	15	1,234	QC	W7AW	266	2	9	1,054	WWA	W7AW	266	2	9	654	PAC	Friends of the 146.715 Repeater K4HTA (+KF4LGR)	153	2	27	3,992	WPA	Friends of the 146.715 Repeater K4HTA (+KF4LGR)	153	2	27	3,992	WPA
River City ARA K1AT	161	2	7	1,224	KY	W7AW	266	2	9	1,054	WWA	W7AW	266	2	9	654	PAC	Michigan ARC K6T2Z (+KE6HVI)	153	2	27	3,992	WPA	Michigan ARC K6T2Z (+KE6HVI)	153	2	27	3,992	WPA
Central RC W9AML	314	2	12	1,222	IL	W7AW	266	2	9	1,054	WWA	W7AW	266	2	9	654	PAC	Elgin ARS W9IKN (+KB9PLA)	153	2	27	3,992	WPA	Elgin ARS W9IKN (+KB9PLA)	153	2	27	3,992	WPA
TARC VE6TRC	258	2	8	1,222	AB	W7AW	266	2	9	1,054	WWA	W7AW	266	2	9	654	PAC	Monroe County R.A.C. W8DWL	1147	2	22	6,178	ORG	Monroe County R.A.C. W8DWL	1147	2	22	6,178	ORG
Manatee ARES N8EZH (+KC4LKY)	349	2	32	1,200	SF	W7AW	266	2	9	1,054	WWA	W7AW	266	2	9	654	PAC	Campbell River ARC W8JW	1007	2	50	3,692	EB	Campbell River ARC W8JW	1007	2	50	3,692	EB
Rich Colburn Memorial Group W6BIV	235	2	4	1,198	KS	W7AW	266	2	9	1,054	WWA	W7AW	266	2	9	654	PAC	Boston ARC W1BOS	870	2	67	3,678	LAX	Boston ARC W1BOS	870	2	67	3,678	LAX
Pilot Knob ARC AA0LV (+N0WVE)	238	2	5	1,198	KS	W7AW	266	2	9	1,054	WWA	W7AW	266	2	9	654	PAC	Springhill ARC W4ML	1789	2	13	5,780	VA	Springhill ARC W4ML	1789	2	13	5,780	VA
McPherson ARC W0TUV	379	2	9	1,196	KS	W7AW	266	2	9	1,054	WWA	W7AW	266	2	9	654	PAC	Great Bay RA N5II	1666	2	15	5,544	LA	Great Bay RA N5II	1666	2	15	5,544	LA
Own County ARA KB0MZM	189	2	9	1,194	IN	W7AW	266	2	9	1,054	WWA	W7AW	266	2	9	654	PAC	WHD ARA W0TE	1478	2	40	5,532	MS	WHD ARA W0TE	1478	2	40	5,532	MS
Flint Hills ARC W2UXC	336	2	10	1,192	KS	W7AW	266	2	9	1,054	WWA	W7AW	266	2	9	654	PAC	WHD ARA W0TE	1478	2	40	5,532	MS	WHD ARA W0TE	1478	2	40	5,532	MS
Champlain Valley ARC N5QH (+N5QH)	231	2	30	1,182	WWA	W7AW	266	2	9	1,054	WWA	W7AW	266	2	9	654	PAC	WHD ARA W0TE	1478	2	40	5,532							

The 440 Group		Hood County ARC	Nanaimo ARA	Skyline ARC	Greers Ferry ARC
WU9Z (+KB9JEL)	789	2 20	3,166 IN	KC5ORS (+N5YXO)	K2DN 561 1 33 1,358 WNY
Bill Hoehl Memorial FDG				Burlington County RC	KB6FO 185 2 17 706 AK
W4UOT (+KE4LPL)	872	2 35	3,158 TN	K2TD 439 2 23 1,868 SNJ	GERC ARC
CSRA				Elgin County ARS	KC7KUG (+KC7MSP)
N9TM (+KB9NZU)	986	2 55	3,134 IL	VE3RE 418 2 12 1,868 ON	Waterville Area WA
Alford Memorial RC				Tri-City ARC	WA1WA 141 2 10 682 ME
W4BOC 718	2 50	3,116 GA	No-Club Group	NU1D 428 2 30 1,866 CT	The Ober Family CG
Valley Radio Club of Oregon				Seneca RC	WB6CGZ 125 2 3 650 LAX
W7PXL (+KB7KLT)	708	2 25	3,082 OR	W8ID 289 2 20 1,866 OH	Pioneer ARC
St Charles ARC				NewVector ARG	K0JFN 97 2 25 646 NE
NF0Q (+N0PTN)	892	2 31	3,080 MO	W7NP 438 2 10 1,860 WWA	North Platte Progressive ARC
Troy ARA				NPSARC	KB0YSG 106 1 20 612 NE
N2TY (+KB2SPM)	908	2 50	3,048 ENY	K6LY (+KF6GZE)	Yadkin Valley ARC
Yonkers ARC				399 2 15 1,854 SCV	N4AAD 76 2 4 564 NC
W2YRC (+N2WIE)	623	2 48	3,042 ENY	Winchester Pioneer ARC	AB0M 97 2 7 242 IA
Chat-Ham ARC				AA4HF 563 2 30 1,818 KY	Highland Lakes ARC
NE4T (+KE4OP0)	978	2 17	3,004 NC	Sandusky Valley ARC	N6RRJ 18 1 10 18 STX
Simi Settlers ARC				W8NCK 345 2 10 1,818 OH	3A Commercial
WA6AYI (+HDGUQB)	859	2 26	2,980 SB	Sky Valley ARC	Newton AR/C-Hesston College ARC
Calvert ARA				W7SKY (+KC7UQU)	N0NK (+N0LQW)
KD4D (+N3ZIZ)	824	2 25	2,954 MDC	356 2 25 1,810 WWA	Aiken Contest Club
Lincoln Trail ARC				Cape Ann ARA	N2ZZ 1332 2 5 4,506 SC
AE4RG (+KB4TIL)	959	2 33	2,950 KY	W1RK (+N1VTY)	Tri-City ARC
31 ARG				403 2 27 1,784 EMA	W2D2F 258 2 8 1,316 SNJ
NA4ZY	778	2 4	2,912 TN	Independent RA	Warren County RACES
Lagunitas				N8XFK 461 2 20 1,760 OH	N8GE 257 2 19 1,316 OH
K6PD 610	2 6	2,910 SDG	CVARS	Scioti Valley ARC	
Golden Triangle ARC			WA7UHD 477 2 27 1,756 WWA	WB8BAP 343 2 24 1,294 OH	
ND6N (+KA6DXD)	651	2 25	2,894 ORG	Scranton Pocono ARK	Kingston ARC
Abbotsford ARC			K3CSG 434 2 17 1,752 EPA	VE3UEL 157 2 8 1,282 ON	
VE7EC 713	2 15	2,884 BC	ARC of Augusta	Chanute Area ARC	
Centerville Area ARC			W4DV (+KA3BIS)	A10E 177 2 15 1,282 KS	
NY0E 773	2 35	2,884 IA	Cascade RC	Barstow ARC	
Pasadena RC			W7EK 286 2 9 1,722 WWA	WA6TST 269 2 15 1,278 ORG	
W6KA (+N6WUH)	926	2 73	2,882 LAX	BUDS	AB2DS 229 2 11 1,278 WNY
Non-Club Group			WB3CUU/1376	Wexaukeee ARC	
K5QO 685	2 15	2,864 NM	Fellowship ARC	KC8FUN 286 2 22 1,272 MI	
Ascension ARC			AD4MH (+KF4JFU)	Boothel ARC	
K5KL 1161	2 40	2,864 LA	467 2 25 1,742 GA	KB0JUL 226 2 5 1,258 MO	
ARCA/SCARS			Fort Wayne RC	Missouri Valley ARC	
NC6U (+WA6YRF)	808	2 48	2,862 SV	W9TE 637 2 32 1,684 IN	W9N 239 2 15 1,226 MO
Radio Amateur Soc of Nomo			GCARC	Wayne Co ARS	
N1NW 723	2 17	2,844 CT	W9EBN 422 2 20 1,662 IN	K4CYP 315 2 21 1,208 NC	
Spokane Co AREAS/RACES			North Bay ARA	Red River ARC	
WT7GDU (+N7BVW)	684	2 30	2,832 EWA	K6LI 392 2 12 1,660 EB	W3MOI 299 2 24 1,204 NTX
ARC of Parker County			New Mexico State U ARC	Stubblefield ARC	
WVK5I 616	2 16	2,810 NTX	W9VB (+KB5QZU)	KO4KT 477 2 15 1,190 KY	
Mountain ARC			430 2 6 1,650 NM	Central Ontario ARC	
W3YMW (+N3RVV)	850	2 19	2,788 WPA	VE3BNI (+VE3BNI)	V5ZX (+KC5ZFM)
Winnipeg ARC			Non-Club Group	349 2 17 1,146 STX	
VE4BB 721	2 17	2,784 MB	W3SJI 493 2 15 1,640 EPA	Zamora Ham Radio Unit	
Harvard Repeater Club			Vintage RG	WU4Y 341 2 22 1,066 AL	
W1DVC (+N1XWA)	570	2 19	2,762 WMA	W6VY 450 2 3 1,640 SB	Big Bear Lake Group
Walla Walla Valley ARC			Sacramento ARC	N3CMY 259 2 6 1,018 WV	
W7DPP (+KC7JNQ)	789	2 28	2,730 EWA	W6AK 252 2 10 1,638 SV	Desoto ARC
Alliance ARC			Wellesley ARS	W6TCK 262 2 36 8,910 EM	
W8LKY (+NB8MAA)	732	2 80	2,614 EPA	Champaign Logan ARC	Scottsdale ARC & CADXA
745	2 24	2,724 OH	W8EBG 280 2 15 1,618 OH	K7TR (+KB7YEBC)	
Toronto ARC			Red River Caucus	W6TCK 274 2 14 1,142 MDC	
VE3TNC 1346	2 30	2,692 ON	WK1S 371 2 6 1,612 CT	Union County ARS	
Rip Van Winkle ARS			MT State Transmitters ARC	N4SHY 268 2 13 1,136 SC	
WD2K (+KC2BNE)	573	2 50	2,692 ENY	K8VNPQ (+N8RURL)	Southern CA Japanese Ham Club
Davenport RAC			319 2 36 1,612 WV	K6JP 412 2 8 1,128 LAX	
W0BXR (+KB2GOK)	789	2 60	2,690 IA	Jay County ARC	Ardmore ARC
Loyalist City ARC			AA9KI 300 2 15 1,610 IN	W5JP 154 2 20 1,126 OK	
VE9LC 717	2 35	2,664 MAR	Randolph ARC	Dalton ARC	
Columbia AR Project			W4DE4X 421 2 15 1,598 NC	W4DRC 163 2 42 1,126 GA	
K7EJ 548	2 10	2,642 EWA	TAHOE ARA	Alexander County ARS/RACES	
Strangers and Pilgrims ARK			W4XW 449 2 40 1,598 SCV	W4AW 186 2 14 1,116 NC	
N3NVA (+N3VMW)	732	2 80	2,614 EPA	Tri-States ARC	Friends of Mt San Jacinto
STERN/GPVHFS			KF4GPO (+KE4TOJ)	K8K6X 218 2 7 1,108 ORG	
W5SAT 608	2 10	2,614 WPA	527 2 20 1,586 GA	White Water Valley ARC	
Broad River ARC			Cumberland Valley ARC	KB9KWL 206 2 40 1,100 IN	
NG4Q 1002	2 12	2,610 GA	W3AICH 311 2 7 1,586 WPA	DACAR	
W6PW 533	2 7	2,608 SF	Kinston ARS	AD8N 331 2 12 1,062 OH	
Lincoln County ARES			W40IX (+KC4WVV)	38s RPTR Group	
K1LX 665	2 16	2,596 ME	348 2 18 1,586 NC	W8BIP 461 2 5 1,056 OH	
EFFECT			Amador County ARC	SCARE	
N8MVW (+N8MCZ)	664	2 13	2,568 MI	KGAR 273 2 12 1,580 SV	KM7P 238 2 5 1,050 OR
ICARS			Yuba Sutter ARC	Joplin ARC	
AE4RL (+WD4LXC)	825	2 26	2,556 NC	W6KJ 471 2 22 1,048 MO	W0IN (+N1KDV)
Mammooth Cave ARC			344 2 13 1,572 SV	Orange Park ARC	
KY4X 640	2 31	2,544 KY	Nicholas ARC	K4BT (+KF4DDQ)	
Blue Mountain ARC			KD8AB 423 2 15 1,556 WV	2179 2 43 7,000 NFL	
VE3MTR 753	2 28	2,536 ON	Intermountain ARC	Non-Club Group	
Treasure Valley RA			W6PB 360 2 6 1,550 SV	K4US 1892 2 40 6,862 VA	
K7OJI 715	2 15	2,510 OR	Southern WV ARC	Fox River RL	
Georgian Bay ARC			W8KBM (+WB8SPW)	W9AN (+KB9ONN)	
VE3OST 749	2 15	2,506 ON	371 2 25 1,542 WV	2188 2 25 6,796 IL	
Ottawa Valley Mobile RC			Three Rivers ARC	Long Island Mobile ARC	
VE3RAM 462	2 22	2,474 ON	W8GAH 468 2 4 1,536 ND	W2VL 1778 2 150 6,504 NLI	
Northern RI RC			W7FH 386 2 6 1,532 MN	Stones River ARC	
W1NRI (+N1QVQ)	622	2 18	2,472 RI	K4FUN (+KF4FAX)	1668 2 45 6,340 TN
Non-Club Group			K5BWD (+KB5OKY)	Orange County ARC	
K2BNL 574	2 20	2,458 NLI	242 2 22 1,522 NTX	W6Z 2165 2 32 7,262 WI	
Monessen ARC			Hot Springs ARC	Two City RC	
W3CLS 752	2 40	2,442 WPA	K0HS 417 2 10 1,504 SD	W1FN (+N1KDV)	
Linn County ARC			Family Group	2019 2 25 7,206 NH	
N0LC (+KB0WCU)	692	2 20	2,438 MO	W7FH 386 2 6 1,486 EWA	Orange Park ARC
Wabash Valley ARA			Wichita ARC	K4BT (+KF4DDQ)	
W9UUU (+N9YNF)	612	2 12	2,436 IN	W0SOE 347 2 20 1,486 K5	Non-Club Group
W4BKM 598	2 40	2,436 IN	Garrett County ARS	LCARS	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	K0UHF (+KA0DAT)	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	K3YTL (+KA3ZHT)	
W4BKM 598	2 40	2,436 IN	W01N 228 2 12 1,048 MO	SOVARC	
W4BKM 598	2 40	2,436 IN	W6KJ 417 2 10 1,504 SD	WT1B (+N1HSJ)	
W4BKM 598	2 40	2,436 IN	W7FH 386 2 6 1,486 EWA	1699 2 26 6,162 NFL	
W4BKM 598	2 40	2,436 IN	W0SOE 347 2 20 1,486 K5	Murgas ARC	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	W4SH (+KE4YEZ)	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	1668 2 45 6,340 TN	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	Orleans County ARC	
W4BKM 598	2 40	2,436 IN	W6KJ 417 2 10 1,504 SD	W6Z 2165 2 32 7,262 WI	
W4BKM 598	2 40	2,436 IN	W7FH 386 2 6 1,486 EWA	W1FN (+N1KDV)	
W4BKM 598	2 40	2,436 IN	W0SOE 347 2 20 1,486 K5	Orange Park ARC	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	K4BT (+KF4DDQ)	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	2179 2 43 7,000 NFL	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	Non-Club Group	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	K4US 1892 2 40 6,862 VA	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	Fox River RL	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	W9AN (+KB9ONN)	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	2188 2 25 6,796 IL	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	Long Island Mobile ARC	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	W2VL 1778 2 150 6,504 NLI	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	Stones River ARC	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	K4FUN (+KF4FAX)	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	1668 2 45 6,340 TN	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	Orange County ARC	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	W6Z 2165 2 32 7,262 WI	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	W1FN (+N1KDV)	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	Orange Park ARC	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	K4BT (+KF4DDQ)	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	2179 2 43 7,000 NFL	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	Non-Club Group	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	K4US 1892 2 40 6,862 VA	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	Fox River RL	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	W9AN (+KB9ONN)	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	2188 2 25 6,796 IL	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	Long Island Mobile ARC	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	W2VL 1778 2 150 6,504 NLI	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	Stones River ARC	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	K4FUN (+KF4FAX)	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	1668 2 45 6,340 TN	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	Orange County ARC	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	W6Z 2165 2 32 7,262 WI	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	W1FN (+N1KDV)	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	Orange Park ARC	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	K4BT (+KF4DDQ)	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	2179 2 43 7,000 NFL	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	Non-Club Group	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	K4US 1892 2 40 6,862 VA	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	Fox River RL	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	W9AN (+KB9ONN)	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	2188 2 25 6,796 IL	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	Long Island Mobile ARC	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	W2VL 1778 2 150 6,504 NLI	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	Stones River ARC	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	K4FUN (+KF4FAX)	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	1668 2 45 6,340 TN	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	Orange County ARC	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	W6Z 2165 2 32 7,262 WI	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	W1FN (+N1KDV)	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	Orange Park ARC	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	K4BT (+KF4DDQ)	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	2179 2 43 7,000 NFL	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	Non-Club Group	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	K4US 1892 2 40 6,862 VA	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	Fox River RL	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	W9AN (+KB9ONN)	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	2188 2 25 6,796 IL	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	Long Island Mobile ARC	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	W2VL 1778 2 150 6,504 NLI	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	Stones River ARC	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	K4FUN (+KF4FAX)	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	1668 2 45 6,340 TN	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	Orange County ARC	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	W6Z 2165 2 32 7,262 WI	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	W1FN (+N1KDV)	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	Orange Park ARC	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	K4BT (+KF4DDQ)	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	2179 2 43 7,000 NFL	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	Non-Club Group	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS	K4US 1892 2 40 6,862 VA	
W4BKM 598	2 40	2,436 IN	W6ZK (+KE6HMJ)	Fox River RL	
W4BKM 598	2 40	2,436 IN	195 2 17 994 KS</td		

Columbia-Montour ARC		Marin ARC	Endless Mountains ARC	Capital City ARC	ARC of El Cajon
WC3A 1363 2 12 4,628 EPA		W6SG 506 2 25 2,138 SF	N3EP (+N3MU)	W7TCK 353 2 55 1,702 MT	WA6BGS 1503 2 45 5,964 SW
Watauga ARC		Kauai ARC	2026 2 16 6,032 EPA	Lakeway ARC	Tulsa ARC
K4CX (+KF4AFY) 1565 2 28 4,616 NC		KH6 630 2 35 2,016 HI	N4PH (+K4FTG)	W5OK 1066 2 300 4,402 OK	
Rogue Valley ARC		K8TKA 608 2 21 2,014 OH	KN7NWS (+N7EXC)	North Hills RC	
W7TOEK 1475 2 10 4,522 OR		Beaver Valley ARA	1336 2 125 5,210 WWA	K6IS (+KC6PSZ)	
Piscataway ARC		W3SGJ 640 2 17 2,002 WPA	Smoky Mt ARC	950 2 25 3,874 SV	
K2VOA (+N2WRK) 1436 2 30 4,436 NNN		Northern AB RC	W4OLB (+K4PDQ)	Scarborough ARC	
GCARC		VE6NC 523 2 28 1,950 AB	1611 2 24 5,186 TN	VE3WE 971 2 20 3,792 ON	
W2MMDD 1029 2 24 4,386 SNJ		Horseshoe ARC	Dupage ARC	Kings County RA	
The Providence RA		W7QZP 352 2 30 1,920 WPA	W9DUP 1379 2 25 5,026 IL	WA2ZWP 922 2 30 3,444 NLI	
W1OP 2465 1 15 4,243 RI		Southern Counties ARA	Livermore ARC	Keuka Lake ARA	
Snake River ARC		K2BR 338 2 20 1,880 SNJ	W6OA 1198 2 10 5,006 EB	KV2W 799 2 22 3,162 WNY	
K7SI (+KB7UKP) 1352 2 15 4,234 ID		Genesis ARA	West Branch ARA	SARC	
Mid-Atlantic ARC		WF1M 264 2 23 1,860 EMA	W3AVK (+KB3AQW)	W5SC 716 2 37 3,124 STX	
W3NWA 1265 2 39 4,056 EPA		Middlesex ARA	1284 2 27 4,858 EPA	Central Mass ARA	
Hamilton ARC		W1EDH 451 2 20 1,824 CT	Ocean State ARG	W1BIM 706 2 19 2,020 WMA	
VE3DC 1222 2 15 4,046 ON		Island County ARA	K1OS 1722 2 25 4,684 RI	Sierra Foothills ARC	
Radio Forum		W7AVM 302 2 24 1,818 WWA	Monongalia Wireless Assn	W6RFF 266 2 18 1,944 SV	
KB3MI 1118 2 16 4,000 WPA		Mon Valley CW ARC	W8MWA 1226 2 30 4,466 WV	Yolo ARS	
SCATS		KB3BTZ 399 2 28 1,758 WPA	Schenectady ARA	NXGL 215 2 25 1,696 SV	
WB6LRU 1690 2 18 3,998 LAX		Siskiyou County ARA	K2AE 1138 2 10 4,418 ENY	Mobile Sixers RC	
FMARCS		KE6YHJ 284 2 25 1,736 SV	Santa Cruz County ARC	W3AWA 241 2 18 1,440 EPA	
W4LX (+KE4HXP) 1000 2 40 3,974 SFL		Southern Berkshire ARC	K6BJ 1163 2 15 4,214 SCV	8A Battery	
Kokomo ARC		W1BAW 416 2 17 1,718 CT	Mt Diablo ARC	Alameda County RC	
W9GO (+N9XLT) 950 2 44 3,798 IN		Madison-Onida ARA	AC6YD 70 2 10 840 SF	N6WG (+KC6LV)	
ARA of South West Florida 1249 2 14 3,590 SFL		W2MO (+N2VWX)	W6CX 1376 2 47 4,032 EB	EB	
WCARS		350 2 14 1,702 WNY	III Valley ARC/Jacksonville ARA	W1WWV 327 2 6 654 VT	
W4M0E (+KD4NZX) 953 2 49 3,586 NC		Lee DeForest ARC	W9ACU (+KB9KHU)	Non-Club Group	
North Shores ARC		W6OB 247 2 42 1,700 ORG	768 2 50 4,026 IL	W3CWC 307 2 10 614 MDC	
K6HAI 924 2 25 3,524 SDG		Supnparlor ARC	San Gabriel Valley RC	5A Commercial	
Campbell Co ARC		VE3SPR 509 2 12 1,694 ON	K6ML (+KC6TTTR)	NARA	
AC4YA 1073 2 35 3,460 TN		Lawrence County Tennessee Skywarn	835 2 30 3,836 LAX	WBCS 1018 2 10 2,746 OH	
Racine Megacycle Club		AD4IA 394 2 25 1,694 TN	Hams Having Fun in Kentucky	6A Battery	
V9UDU 935 2 41 3,452 WI		Everglades ARC	AA4NJ (+KE4WHY)	Zuni Loop Mt Exp Force	
ARTS		W4SVI 429 2 17 1,664 SFL	961 2 57 3,804 KY	N6GA 913 5 11 8,660 LAX	
W4CN 777 2 21 3,448 KY		Lotus/Kalayan ARC	Mt Tom ARA	6A	
Dayton ARA		AB6FH 463 2 45 1,626 LAX	1177 2 30 3,786 WMA	Cherryland ARC	
W8BI 795 2 10 3,440 OH		205 Group	Northrop Grumman RC	W8FD (+N0UZ)	
Crystal RC		KATG 359 2 8 1,584 MT	W6VPZ 1139 2 25 3,712 LAX	Kanawha ARC	
W2DMC 849 2 30 3,426 ENY		Columbiania County ARC	CARS	W8GK (+NB8UQ)	
Parkersburg ARA		KD8XB (+N8ZSW)	K8ZFR 855 2 18 3,692 OH	Mahoning Valley ARA	
AA8UL (+AA8UL) 645 2 10 3,376 WV		National Trail ARC	NN8A 1226 2 17 3,574 STX	W8QLY (+KB8UNJ)	
United RAC		N9UXZ (+N9OAL)	W8VTD 1026 2 8 3,510 OH	Mississauga ARC	
K6AA 1111 2 30 3,352 LAX		302 2 10 1,570 OH	Great South Bay ARC	773 2 31 3,398 OH	
London Bridge ARA		Sonra Swirlers	W2GSB (+KB2REZ)	VE3MIS 815 2 25 3,290 ON	
AB7EM 1017 2 47 3,320 AZ		VO1AA 219 2 15 1,548 NL	Butler Corp PRSPG	ARALB 407 2 43 2,114 LAX	
Big Bear ARC		Panoramaland ARC	K3PSG (+N3JOW)	9A Battery	
K6BB (+KB7YQY) 911 2 48 3,300 OR		K7JAR 370 2 15 1,526 EWA	117 2 35 7,826 ON	APA Digital Communications Network	
Maury ARC		National Trail ARC	Butler Corp PRSPG	W6APA 371 5 30 4,215 SB	
N4EO (+KF4ICG) 1016 2 50 3,210 TN		932 2 15 1,472 IL	K7LSD (+KB7SDC)	9A	
Montgomery ARC		SCVARC	885 2 41 3,402 WPA	Woodbridge Wireless	
KV3B 819 2 10 3,150 MD		VE11E 244 2 17 1,448 MAR	2358 2 105 6,872 WWA	W4LY 501 2 39 16,904 VA	
McKinney ARC		Bridgerland ARC	Cambridge ARC	Rock River RC	
WA5M (+N5OLE) 934 2 21 2,972 NTX		W7IVM 339 2 20 1,434 UT	VE3BHZH 960 2 7 3,276 ON	W9TCP (+KB9OWD)	
Victor Valley ARC		Jefferson County RAC	Northrop Grumman RC	839 2 35 3,486 WI	
K6QWR (+KB6BLD) 1024 2 40 2,962 ORG		N2YQI 309 2 43 1,412 NY	W8JXU 1728 2 40 5,572 MI	Radio Society of Tucson	
Pioneer ARA		Border ARA	W8KID 1013 2 12 3,158 SDG	K7RST (+KD6EFQ)	
KB8ZAM (+KC8ARD) 693 2 33 2,948 OH		KB1BRN (+KA1KHA,N1HJR)	KR4TG (+KF4KFE)	689 2 25 3,252 AZ	
Metropolitan ARC		Verde Valley ARA	733 2 53 5,276 GA	Crawford County ARC	
AE5AA (+N5OOI) 678 2 15 2,948 AR		W7EI 284 2 55 1,348 AZ	W3KXW (+N3JOW)	W8BAE 740 2 39 3,048 OH	
Coachella Valley ARC		Skywide ARC	Cambridge ARA	Hoover Hills HC	
K6BSC (+KB6BSC) 672 2 7 2,912 ORG		VA3SKY 280 2 10 1,270 ON	W8VP 766 2 24 2,996 OH	W9VYO 495 2 20 2,604 IN	
Plattsburgh ARA		SMARTS	Clear Lake ARC	Reno Area Simplex/UNR Radio Pack	
KB6SMX (+KC0AU) 540 2 30 2,902 NE		WB0RMK 371 2 35 1,234 MN	K5HOU (+KC5PSY)	W7UNR 539 2 50 2,556 NV	
Indiana CO ARC		Elkhorn Valley ARC	871 2 172 2,960 STX	SARA	
W3BMD (+N3SKB) 853 2 42 2,876 WPA		W0RRZ 104 2 15 908 CO	W3EXW (+N3JOWL)	W6ERE (+KF6FIR)	
Magnolia Repeater Assn/Lowndes ARC		The Dazles Repeater Club & DX Assn	W8N9A 547 2 16 2,882 TN	435 2 31 2,172 SJV	
AA5MT (+N0YVC) 751 2 30 2,874 MS		W7FIO 87 2 6 874 OR	Coastline ARA	Kings County RC	
Chesapeake ARS		Branford ARC	NC1CD 865 2 10 2,798 CT	W2RAK 346 2 30 2,156 NLI	
KF4BN 786 2 10 2,850 VA		VE3BA 371 2 10 742 ON	TLRA	10A	
Intercity ARA		Loma Linda ARC	W2LII 636 2 24 2,784 NNJ	10-70 Repeater Assn	
W8WE 716 2 25 2,822 OH		W6FZV 206 1 10 506 ORG	Armadillo Gang	N2SE 2427 2 44 8,666 NNU	
Titusville ARA		W8KHD 1046 2 32 2,772 WV	W5LEX 803 2 25 2,780 STX	Kalamazoo ARC	
KS4GP (+KB0OQJ) 587 2 80 2,734 SFL		Radio Assn of Western NY	London ARC	W8VY (+KC8AAG)	
Peoria Area ARC		W2PE (+KB2ZUR)	VE3LON 686 2 50 2,704 ON	W8JXU 1317 2 67 4,896 MI	
W9VUI (+N9MSF) 827 2 20 2,726 IL		W7FIO 87 2 19 2,412 WNY	Tripple States RAC	Turlock ARC	
Monterey Park ARC		Jefferson County ARC	K8AN 616 2 30 2,638 OH	W6BXN 989 2 15 3,404 SJV	
K6GIP 916 2 14 2,640 LAX		W5SSV 507 2 47 2,048 STX	Willmar Emergency ARC	Guelph ARC	
Hayward RC		LaGrange ARC	W0SW 776 2 14 2,588 MN	VE3ZM 797 2 25 1,594 ON	
K6EAG 579 2 23 2,636 EB		AB4KE (+KD4HJD)	Arlington Comm League	11A Battery	
Natchaug ARC		270 2 15 824 GA	KC9IL 573 2 22 2,332 IL	Nortown ARC	
WE1Y 681 2 35 2,614 CT		5A	Stu Rockfellow ARA	VE3NAR 1170 5 36 9,465 ON	
Silvercreek ARA		Huntington ARA	K8GUL (+KB8DPL)	11A	
W8WKY (+KC8DKG) 732 2 20 2,600 OH		W4EZ 660 5 22 5,915 NC	Orange County ARC	El Dorado County ARC	
Golden Empire ARS		Plateau ARRA/Black Diamond ARC	399 2 15 2,330 MI	W6LSW 1122 2 37 4,692 SV	
W6RHC (+KF6DJW) 616 2 23 2,554 SV		NM8T (+KABLSF)	Garlic Valley ARC	Kern County ARC	
Englewood ARS		1046 2 32 2,772 WV	WU6Y 562 2 8 2,498 SCV	W6LIE 918 2 11 4,202 SJV	
W4VV 666 2 16 2,454 SFL		Radio Assn of Western NY	Radio Club of Tacoma	ARE Comm	
Midland ARC		W2PE (+KB2ZUR)	W7DK 666 2 18 2,398 WWA	KA9IMX 687 2 81 3,484 IL	
W8KEA (+N8NGQ) 818 2 17 2,418 MI		Deuel County ARC	Deuel County ARC	Triple A ARA	
Fallbrook ARC		W7FIO 4512 2 90 14,462 AL	Beloit ARC	AC3J 669 2 67 3,250 WPA	
N6FQ (+KD6AKT) 481 2 10 2,308 SDG		Palomar ARC	WA9EZT 825 2 11 2,350 WI	BEARS	
River City ARCS		W6NWG (+KF6JLX)	West GA ARS	N8DXR 379 2 16 2,030 MI	
KF6ABN (+KE6YMZ) 613 2 75 2,296 SV		755 2 37 5,400 OH	W4FWD (+KD4CIK)	14A Battery	
Catalina Radio Club		Central Oregon RA	644 2 30 2,338 GA	Conejo Valley ARC	
W7SA (+N6KIV) 627 2 22 2,288 AZ		N7NK (+N7YBN)	K4WZ 694 2 25 2,582 GA	AA6CV (+KE6SCS)	
Yarmouth ARA		Brockport ARC	399 2 15 2,538 ON	1246 5 55 10,795 SB	
VE1GX 386 2 20 2,264 MAR		K2BRK (+N2TUK)	K8BXQ 529 2 16 2,380 OH	17A Battery	
Indian River ARA		379 5 13 3,875 WNY	Beach Cities Wireless Society	USECA	
W4NLX 569 2 25 2,262 SFL		Johnson ARS	K6W 558 2 23 2,364 ORG	KK8M (+KB8TAS)	
Des Moines RAA		AB4PP 181 5 30 2,495 NC	Toledo Mobile RA	1520 5 142 14,175 MI	
W0AK 535 2 30 2,228 IA		AK-Sar-Ben ARC	W8HMH 705 2 18 2,320 OH	21A Commercial	
Tri-County RA		K0USA (+N0WAV)	Quabog Valley ARC	Englewood ARA	
W0LUY 581 2 6 2,212 WI		1046 2 59 10,084 SDG	W1NPJ (+W2IJU)	W2RJ 168 2 10 2,806 NNU	
		Huntville ARC	W7NBR 440 2 8 2,252 EWA	27A	
		K4BFT (+KE4CPJ)	W8ABC 582 2 15 2,146 MDC	Nashua ARC	
		4512 2 90 14,462 AL	T-CARES	N1NH (+N1ONC)	
		Palomar ARC	N6BC 525 2 24 2,082 SJV	6768 2 87 22,080 NH	
		W6NWG (+KF6JLX)	Corona PD Comm Spec Volunteers		
		3000 2 59 10,084 SDG	KN6KH 526 2 15 2,050 ORG		
		Ak-Sar-Ben ARC	W6LJ 479 2 10 2,016 SJV		
		K0USA (+N0WAV)	Big Rapids ARC		
		1046 2 59 10,084 SDG	K8BQO 407 2 20 2,012 MI		
		Birmingham ARC	Eastern ARC		
		W4CUE (+KD4KZQ)	VE3SAU 459 2 9 1,990 ON		
		2723 2 43 8,182 NE	ARA of Hanson Hills		
		W0WTX 478 2 20 1,890 CO	N8AHZ 333 2 10 1,966 MI		
		W0TPN 280 2 10 1,764 WWA	Portage ARC		
		W8BHQ 2232 2 85 7,686 AL	K1JO 417 2 35 1,904 OH		
		Hoodview AR	Rural ARA		
		W6QJW 2320 2 38 7,500 OR	KC7WIR 450 2 18 1,902 NV		
		Virginia Beach ARC	Denver RC		
		W4UG (+KE4URC)	W0TX 478 2 20 1,890 CO		
		1689 2 105 6,248 VA	South Whidbey RC		
		W0AU 556 2 16 1,754 MO	W7PN 280 2 10 1,760 MI		
		W0AU 556 2 16 1,754 MO	Muskegon Area ARC		
		W0AU 556 2 16 1,754 MO	W8BHQ (+N8YME)		
		W0AU 556 2 16 1,754 MO	W0AU 298 2 12 1,760 MI		
		W0AU 556 2 16 1,754 MO	Warrensburg Area ARC		
		W0AU 556 2 16 1,754 MO	W0AU 298 2 12 1,754 MO		

WU0L	175	5	1	2,050	CO	W3MWY (+W3EE)	K3MD (+N3PUR)	NW4G	166	2	1	664	OH	W4WVP	328	2	6	996	VA
W3VCB	123	5	1	1,865	MD	KA1GEP (+N1PKA)	1018	2	2	3,916	WPA	KE6UPK	269	2	10	656	ORG		
ACT7A	161	5	1	1,710	AZ	KA1GEP (+N1PKA)	634	2	2	1,980	CO	K0LWV	174	2	1	636	MO		
KW3U	141	5	1	1,675	EPA	N8TD (+KB8KBP)	131	5	2	1,600	WNY	WB2JU	219	2	2	616	NNJ		
W7AQK	150	5	1	1,600	AR	KC8BW (+op)	149	5	2	1,535	OH	W2LRO	182	2	1	606	NNJ		
KG5N	102	5	1	1,420	CO	KC8BW (+op)	136	5	2	1,360	ON	W2FR	148	2	1	592	WNY		
KO6KA	135	5	1	1,410	SB	KC8BW (+op)	136	5	2	1,360	ON	WD4B	274	2	4	580	NFL		
NQ7X	126	5	1	1,360	AZ	N7LW (+W7CV)	174	2	2	1,320	AZ	N9TD (+KF9ZV)	576	1	1	576	EPA		
W6PRI	129	5	1	1,355	SCV	WE6W (+KF6XB)	92	5	2	1,320	AZ	N2BJ	576	1	1	576	IL		
N4NR	112	5	1	1,320	AL	WE6W (+KF6XB)	59	5	2	690	SC	N4MNA	285	2	1	570	GA		
WA3NNA	107	5	1	1,270	SNJ	WE6W (+KF6XB)	92	5	2	1,320	AZ	K4F5L (+N0NFI)	1161	2	1	4,644	EPA		
K4PQC	98	5	1	1,110	GA	WE6W (+KF6XB)	156	5	2	1,315	ID	K4F5L (+N0NFI)	1060	2	1	4,240	NC		
KD6RDO	98	5	1	1,080	SB	NX1K (+WA9ZDC)	475	2	2	1,842	SC	VE2GST	170	2	2	958	2,628		
NI0A	96	5	1	1,060	MN	NX1K (+WA9ZDC)	84	5	2	1,180	IL	W2FR	148	2	1	592	LAX		
ND3P	79	5	1	1,020	EPA	W7LM (+WB6TYP)	110	5	2	1,100	AZ	WD4B	274	2	4	580	MN		
W4ED	77	5	1	945	GA	W7LM (+WB6TYP)	110	5	2	1,100	AZ	N9AX	175	2	1	578	WNY		
K9FOH	136	5	1	930	IN	KR4JJ (+N4EEV)	174	2	2	1,278	WI	N2BJ	576	1	1	576	W7YS		
N4AX	115	5	1	865	AL	KR4JJ (+N4EEV)	59	5	2	690	SC	N4MNA	285	2	1	570	GA		
WA1QVM	93	5	1	790	ENY	WE6W (+KF6XB)	55	5	2	650	SF	K0LWV	174	2	1	568	SB		
KF7CD	66	5	1	730	UT	WE6W (+KF6XB)	25	5	2	325	OH	WB2JU	219	2	2	616	NNJ		
W2QU	105	5	1	725	NNJ	AA8UP (+KC8GGO)	108	2	2	716	VA	W2LRO	182	2	1	606	NNJ		
WD7Y	52	5	1	720	NV	AA8UP (+KC8GGO)	58	2	2	920	NC	W2FR	148	2	1	592	WNY		
WA2DFI	60	5	1	700	AZ	K0VK (+K0CL)	126	2	2	704	MI	WD4B	274	2	4	580	WNY		
N5YYX	49	5	1	650	NM	K0VK (+K0CL)	126	2	2	704	MI	N9AX	175	2	1	578	EPA		
WB2DLA	42	5	1	620	NLI	K0VK (+K0CL)	126	2	2	704	MI	N2BJ	576	1	1	576	W7YS		
W1VT	93	5	1	555	VT	K0VK (+K0CL)	126	2	2	704	MI	N4MNA	285	2	1	570	GA		
N8XA	44	5	1	520	OH	W6NK (+W7CB)	279	2	2	858	ME	K0LWV	174	2	1	568	SB		
W1ZN	67	5	1	505	VT	W6NK (+W7CB)	1364	2	2	4,124	SB	WB2JU	219	2	2	958	2,628		
KA0LCD	30	5	1	500	NM	NN7S (+N7JKF)	223	2	2	928	SJV	W2LRO	182	2	1	606	NNJ		
KB90IV	28	5	1	440	WI	NK0V (+op)	108	2	2	716	VA	W2FR	148	2	1	592	WNY		
WA9PYH/VE324	55	5	1	340	ON	K0VK (+K0CL)	58	2	2	920	NC	WD4B	274	2	4	580	WNY		
WB9KZY	23	5	1	330	WI	K0VK (+K0CL)	126	2	2	704	MI	N9AX	175	2	1	578	EPA		
KB2HZH	4	5	1	320	NNJ	K8TW (+WB8BMX)	108	2	2	3,390	CO	N2BJ	576	1	1	576	W7YS		
KN6YD	20	5	1	300	SJV	K8TW (+WB8BMX)	551	2	2	1,956	KY	N4MNA	285	2	1	452	SD		
KA2PGQ	10	5	1	290	ENY	KABOKH (+KB4NP1)	551	2	2	1,940	KY	K0LWV	174	2	1	452	SD		
KB90MW	15	5	1	275	IN	K1ZF (+KC2BUA)	538	2	2	1,940	KY	WB2JU	219	2	2	958	2,628		
KE3FL	6	5	1	260	MDC	K1ZF (+KC2BUA)	438	2	2	1,940	KY	W2LRO	182	2	1	606	NNJ		
K7IA	6	5	1	235	NM	NA9O (+op)	108	2	2	3,600	MT	W2FR	148	2	1	592	WNY		
AH7R	6	5	1	230	PAC	K0VK (+K0CL)	126	2	2	704	MI	WD4B	274	2	4	580	WNY		
KB91MG	10	5	1	200	IL	WO9K (+KB9CTJ)	422	2	2	1,888	OH	N9AX	175	2	1	578	EPA		
KT4RG/KH2D	10	5	1	155	PAC	WO9K (+KB9CTJ)	430	2	2	1,848	IL	N2BJ	576	1	1	576	W7YS		
KE6LBX	6	5	1	150	SDG	K3TM (+N3GM)	838	1	2	1,846	MDC	N4SG	126	2	1	352	NE		
N4EUK	6	5	1	140	VA	K7QL (+AA7CP)	402	2	2	1,746	OR	W09WV	176	2	16	352	NE		
KB2SYB	13	5	1	125	NNJ	KU4BP (+KD4VGQ)	606	2	2	1,636	VA	KR1B	235	2	1	940	ME		
KH2RU	1	5	1	105	PAC	KU4BP (+KD4VGQ)	606	2	2	1,636	VA	K1BTB	90	5	1	900	CT		
N9NW	7	5	1	70	IL	KU4BP (+KD4VGQ)	606	2	2	1,636	VA	W8JSU	160	2	1	320	OH		
1B-1 Op Commercial																			
WA1LNP	1135	2	1	4,810	NH	W7VT (+K7JD)	565	2	2	1,546	ID	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
WA42PZ	574	2	1	2,596	AL	W7VT (+K7JD)	565	2	2	1,546	ID	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
K5KG	756	2	1	2,532	NNJ	WJ8Y (+op)	279	2	2	1,230	OH	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
WB9COY	595	2	1	2,188	CO	W07TI (+W7TC)	308	2	2	1,230	OH	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
N7AYF	641	2	1	1,982	EWA	W07TI (+W7TC)	308	2	2	1,230	OH	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
W5RQ/Ø	569	2	1	1,832	NE	N7ATM (+KJ7YW)	331	2	2	1,082	KS	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
KO6WK	179	2	1	1,296	ORG	N7ATM (+KJ7YW)	331	2	2	1,082	KS	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
KE6BUM	532	2	1	1,164	LAX	K0VK (+K0CL)	375	2	2	950	OR	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
K54YX	121	2	1	1,158	NC	KAAZY (+KB2YNP)	84	2	2	1,922	SD	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
AJ1X	166	2	1	1,106	CT	K7NSW (+WA6RNF)	103	2	2	922	NNJ	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
W9FGH	300	2	1	900	WWA	K2BEO (+KB2R2AR)	565	2	2	1,546	ID	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
N4CT	230	2	1	884	TA	K2BEO (+KB2R2AR)	226	2	2	902	NNJ	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
W7MTY	191	2	1	854	EWA	N4EK (+KD4ERJ)	216	2	2	1,230	OH	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
N7CWW	122	2	1	844	EWA	N4EK (+KD4ERJ)	216	2	2	1,230	OH	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
K4JSI	184	2	1	836	MDC	K6TY (KBQ0JJ WB0VRN,ops)	212	2	2	830	NFL	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
KE3HG	96	2	1	792	MDC	N7ATM (+KJ7YW)	103	2	2	830	NFL	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
N3AZ	308	2	1	712	EPA	K7NSW (+WA6RNF)	672	1	2	772	ID	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
K7RR	124	2	1	708	SB	K7NSW (+WA6RNF)	672	1	2	772	ID	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
W0AS	172	2	1	688	CO	K7NSW (+WA6RNF)	672	1	2	772	ID	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
KE4NYH	216	2	1	680	ENY	N2DM (+W4NWT)	287	2	2	718	NNJ	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
WB2AFX	114	2	1	652	ENY	KO5F (+K5OSH)	287	2	2	718	NNJ	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
N9LYE	82	2	1	608	RI	N7IHI (+KB7SLJ)	300	2	2	644	STX	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
W7DHS	138	2	1	604	OR	N7IHI (+KB7SLJ)	445	1	2	613	WI	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
N2NTM	181	2	1	562	ENY	N9DZ (+AA9AO)	103	2	2	613	WI	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
N1QVO	84	2	1	534	CT	N3E3SN (+VA3ESN)	191	2	2	582	ON	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
K6AIA	202	2	1	504	AZ	N3E3SN (+VA3ESN)	191	2	2	582	ON	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
AC5DI	95	2	1	490	NTX	KG0VH (+KB2FPA)	287	2	2	582	ON	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
KF6YU	180	2	1	460	AZ	KG0VH (+KB2FPA)	141	2	2	564	SD	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
VM7D	140	2	1	430	SD	KG0VH (+KB2FPA)	141	2	2	564	SD	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
WA6SAW	122	2	1	378	SF	KO5F (+K5OSH)	278	2	2	556	AZ	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
N7CFO	105	2	1	310	WVA	N7CFO (+KB6BSA)	69	2	2	556	AZ	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
N0CZH	50	2	1	300	MI	N7CFO (+KB6BSA)	108	2	2	426	BC	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
WB9QV	84	2	1	252	SDG	W9HHL (+KB6BSA)	98	1	2	346	IL	K6DCLM (+KA6PUW)	228	1	2	628	ORG		
K7IP	58	2	1	224															