

Newsprint, Ink and Electrons Amateur Radio Style – Results ARRL Field Day 2012

With a tip of the cap to Charles Schultz, Al Capp, Scott Adams, Bil Keane and so many more who brought smiles to our faces.

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Growing up, one of my great memories was anxiously waiting for Sunday mornings. Why? Sunday morning meant the Sunday paper — which meant the Sunday Comics. The Sunday comics were always longer and in color, as opposed to the daily three or four small panes of black ink on white newsprint. Known in my home as the “funny papers,” there was the family ritual of passing the comics along the pecking order — from my dad to my two older sisters through my older brother and finally down to me (and eventually to my younger brother). We each had our favorite strips and characters that we followed passionately.

The comics are part of our American culture — so much so that in 1995 the US Postal Service issued a commemorative series of classic images in honor of the 100th anniversary of the comics. Even today, newspapers still bring us that special slice of fun every Sunday.

In many ways, the variety of content and characters found on those hallowed pages is comparable to the annual celebration known as ARRL Field Day. Just like the comics, each

Field Day operation has its own cast of characters and story line. Some are serious, some are humorous, highlighting the fact that Field Day can be different events to almost everyone involved, yet all can enjoy the common experience. So how does Field Day make the transition to the Sunday comics?

Many Field Day setups often begin like the *Katzenjammer Kids*. People show up at the site ready to get the show on the road and see what mischief might be available in which to indulge. In 2012, a reported 37,567 persons participated in what is annually the largest Amateur Radio event. Whether they are erecting antennas, setting up operating positions, or doing one of the hundreds of other tasks necessary to make Field Day a success, there is something for everyone to do, unless you are the *Andy Capp* of your group who only admires the efforts of others.

Do not think for a moment that Field Day is not spread across the US and Canada. This year, 2657 entries and checklogs were received at ARRL, representing all 80 ARRL and RAC sections. We also received logs from several

Entries by Class					
1A	135	10AB	1	4C	1
2A	407	15AB	2	1D	420
3A	317	1AC	14	2D	20
4A	158	2AC	30	3D	6
5A	86	3AC	35	4D	1
6A	43	4AC	11	1E	255
7A	19	5AC	7	2E	30
8A	14	6AC	1	3E	17
9A	3	1B1	59	4E	6
10A	6	2B1	2	5E	2
11A	2	1B1B	112	6E	1
12A	2	1B1C	22	14E	1
27A	1	1B2	26	1F	37
1AB	23	2B2	12	2F	65
2AB	18	1B2B	22	3F	51
3AB	7	2B2B	6	4F	19
4AB	8	1B2C	7	5F	10
5AB	1	1C	44	6F	3
6AB	2	2C	2	7F	3
9AB	1			9F	1

foreign countries. That number falls just short of the record number of entries for Field Day (2666, set in 2011), a strong indication that Amateur Radio is alive and well — and on the air! No need to call in *Rex Morgan, M.D.* for Amateur Radio.

Field Day frequently means emergency power. Emergency power means generators — and

Top 10 Claimed Scores		
CALL	Claimed	Class
W3AO	35,984	27 A
W9CA	26,342	8 A
K6EI	25,405	10 AB
W5UR	20,654	6 A
W5YA	19,970	3 AB
W6YX	18,102	3 F
W4IY	18,094	10 A
W4EZ	17,385	9 AB
W6ARA	17,158	4 A
K4FC	17,042	7 A



It's hard to concentrate on the radio when your Field Day site is as spectacular as the K6WCC site in the Santa Barbara section. [Photo courtesy Erik Lundin, N8MJK]



Don, N0YE, making contacts for the W0DK, Boulder (CO) Amateur Radio Club. [Photo courtesy Ulrich Hauser, KB9TTI]

that means a veritable *Gasoline Alley* at hundreds of locations. In the field, a total of 1292 Class A and B stations reported using generators (48% of all entries) while another 330 Class A or B stations reported using either battery, alternate or commercial power (12%). Those 759 (29%) stations that chose to operate from the comforts of home as Class D or E stations perhaps understand, like *Hagar the Horrible*, that home is a good place from which to operate.

Seven percent (189) of the entries received were for Class F stations demonstrating that *For Better Or For Worse* their interaction with emergency officials was up to the test. The final 2% of Field Day summaries came from Class C entries, which chose to operate while in motion — just not sure if they were able to keep up to speed with *Flash Gordon*.

Do you remember when *Dick Tracy* replaced his two way wrist radio with a two way wrist TV? Just as changing technologies transform the comics, so too, do they continue to transform the way amateurs operate. Over 1.4 million contacts were made during Field Day 2012. For the first time, over 50,000 digital contacts were reported, continuing the trend that has seen at least a small increase in digital communications every year (except 1999) since we began reporting them separately in 1998.

CW, the mode some consider a throwback to the era of the caveman and *Alley Oop*, is alive and well, producing over 592,000 contacts during Field Day 2012 — an increase of over 26% in the last decade. What was a bit surprising was that phone QSOs declined by about 7% from 2011. This can probably be explained by the apparent failure of the *Wizard*

of Id to conjure up significant sunspots, making 10 meters a less desirable option for many operators.

Media hits for Field Day 2012 continued to be solid. We guess *Brenda Starr* was impressed when she visited your station. Many of you also posted your best photos on the ARRL Field Day Soapbox website at www.arrl.org/soapbox. Be sure to visit the site, read the experiences of others, and post your own. It's a great way to generate some excitement for your club's activities.

One of the more successful recent additions to Field Day has been the online Field Day site locator, first added in 2008. This year, over 1600 groups and clubs posted their Field Day setup information on the website. It is a great way to publicize your activity. Every year ARRL HQ refers many callers to the website when they are looking for a Field Day in their area. It certainly beats having Jeff, from *The Family Circus*, as their navigator.

In reviewing the thousands of photographs submitted by participants, one thing is clear: Field Day is not only a great operating opportunity, it remains one of the premier social events for amateurs across the country. When amateurs get together they bring enough food to feed Dagwood. We are not sure who serves as the *Blondie* for your covered dish supper, but be sure to thank them — before *Garfield* samples the repast.

Sometimes when trying to maintain your working relationship with agencies served by Amateur Radio public service communications, you can feel like one of the overlooked employees in *Dilbert*. Successful Field Days get you noticed — and strengthen our opportunities to give back to the community. This year's entries provided numerous photos and notations about various public officials and representatives of served agencies visiting the event. Whether you are *Shoe* entertaining Senator Batson D. Belfry, or *Beetle Bailey* undergoing a site inspection from General Halftrack, Field Day is your time to shine. The more organized activity you demonstrate to VIPs, the bigger impact you can make down the road. Don't let your site be akin to *Barney Google's*

and *Snuffy Smith's* QTH in Hootin' Holler.

The GOTA (Get On The Air) station continues to be a popular attraction at over 460 sites that utilize this training tool. It can bring *Little Orphan Annie*, who has been inactive in the hobby for years, back to the fold or be a place for the next generation of amateurs — the *Rugrats* — to whet their appetite for Amateur Radio. Many feel the GOTA station may be the single most important station at a Field Day site. GOTA is where you can introduce *Dennis the Menace* to a lifetime of fun and service. If your group does not utilize a GOTA station, consider adding one in 2013 if your category is eligible.

After your Field Day weekend is in the books, there is always work to do. Your club's *Broom-Hilda* (a.k.a. Field Day coordinator) must brew up the final potion and submit the entry to ARRL. Most groups will submit their summaries via www.b4h.net/cabforms. Once all is assembled, your claimed scores are posted and groups across the country will battle, like *The Lockhorns*, to claim victory in their category, state or county. But perhaps your goal was more along the lines of *Mark Trail* — to have an environmentally solid event.

For the majority of the participants, Field Day is not about the score — it is about the fun. Just like the variety of comic strips in the Sunday paper, Field Day brings smiles to many faces, no matter how you approach it. Just as *Doonesbury* reflects our world and Charlie Brown, Lucy, Snoopy and all of the *Peanuts* gang reflect our fun-loving whimsical nature, at the end of the day Field Day reflects the experience and fun of Amateur Radio.

Field Day is always the fourth full weekend in June. So mark your calendars for June 22-23 2013. Who knows, maybe the ideas you sketch up for a successful weekend can blossom into your own syndicated comic strip. Good luck & 73.

General Field Day Statistics

Year	2012	2011	2010	2009	2008	2007
CW QSOs	592,094	577,181	540,419	556,525	506,139	511,580
Digital QSOs	50,908	45,099	41,872	38,340	27,869	22,112
Phone QSOs	757,256	812,083	747,419	765,536	702,847	679,240
Total QSOs	1,400,258	1,434,363	1,329,710	1,360,401	1,236,855	1,212,932
Total Entries	2,657	2,666	2,648	2,642	2,409	2,331
GOTA	461	463	467	470	447	467
Participants	37,567	39,287	37,764	37,592	35,798	34,833

Entries by ARRL / RAC Section

AB	9	ME	21	QC	22
AK	8	MI	85	RI	11
AL	34	MN	56	SB	13
AR	25	MO	63	SC	28
AZ	53	MS	31	SCV	40
BC	22	MT	15	SD	10
CO	47	NC	79	SDG	24
CT	29	ND	6	SF	12
DE	6	NE	15	SFL	24
DX	4	NFL	52	SJV	33
EB	19	NH	19	SK	7
EMA	32	NL	3	SNJ	20
ENY	27	NLI	29	STX	71
EPA	56	NM	30	SV	32
EWA	24	NNJ	32	TN	57
GA	60	NNY	6	UT	23
IA	33	NTX	62	VA	83
ID	24	NV	14	VI	1
IL	82	NWT	4	VT	12
IN	59	OH	122	WCF	25
KS	30	OK	25	WI	53
KY	36	ON	71	WMA	18
LA	19	OR	49	WNY	52
LAX	36	ORG	50	WPA	42
MAR	9	PAC	8	WTX	16
MB	3	PR	7	WV	14
MDC	56			WWA	69

Scores

Score listings are grouped according to the number of transmitters in simultaneous operation and their entry class. 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, total score (including bonus points) and ARRL / RAC section. Entries are listed from highest to lowest claimed score in each class. Class A stations are clubs or groups portable with 3 or more participants. Class B stations are portables with one or two participants. 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.

Class A — 3 or more Participants Portable		QCWA Chapter 170	South Point ARC	Randallstown ARC
1A	Tilson Contest Club	W7QD 442 2 3 1,962 EWA	VA3WG 258 2 3 666 ON	N3IC (+K3MZ) 2786 2 20 9,648 MDC
K5WA 2420 2 8 9,088 STX	Bear Mountain Contest Team	Wasteland Comm Corp	KE5FSY 53 2 6 656 AR	Sakonnet 49'ers
N2IC 2135 2 5 8,156 NM	Robert F Heytow Memorial RC	K6WCC 549 2 3 1,952 SB	Hi-Line ARC	W1LY (+W1SYE) 2655 2 38 9,388 RI
K9YA 1394 2 3 6,326 IL	Case ARC	Hamburger's Helpers ARC	W7HAV 31 2 9 634 MT	Canton ARC
W8EDJ 1547 2 4 5,964 OH	Hoosier DX and CC	K3HH 550 2 3 1,924 MDC	MDOT ARC	W8AL (+N8J) 2324 2 69 9,228 OH
KJ9D 1466 2 13 5,904 IN	K9YA 1394 2 3 6,326 IL	Eastern Panhandle ARC	KM5DOT 108 2 3 610 MS	Lafayette DX Assn
Qualcomm ARC	W6QAR 1309 2 9 5,702 SDG	K8EP 617 2 12 1,874 WV	Black Hills ARC	W9LDX (+K9IN) 2700 2 12 9,080 IN
W6QAR 1309 2 9 5,702 SDG	Alberta Clippers CC	VE3LCA 412 2 5 1,862 ON	W0BLEK 146 2 10 594 SD	Williamson Cty Amateur RC
VE6TL 1289 2 4 5,664 AB	Oconee District 17 FD Group	Maui ARC	Keeping Amateur Radio Fun	NETT (+N5T) 2384 2 51 8,720 STX
N4S 1534 2 9 5,618 SC	Potomac Valley RC	KH6RS 1404 1 10 1,783 PAC	K0ARF 173 2 3 582 MN	Smithchart ARS
N4A 1369 2 3 5,526 NC	Carolina Contest Consortium	Eastern Panhandle ARC	WA1HRE 189 2 3 576 CT	K4OO 2748 2 13 8,666 NC
K4FOU 1499 2 3 5,232 NC	Koolau ARC	CRA Rive-Sud Montreal	Okeechobee ARC	Central OR DX Club
KH6J 1516 2 41 5,224 PAC	Bozo and the Lids	VE2CLM 431 2 15 1,776 QC	K4OKE 37 2 10 574 SFL	N7LE 2463 2 9 8,268 OR
W9TG 1122 2 4 5,038 IN	Sam Houston AR Klub	Benton ARS	Woodchuck ARC	Northern Arizona DX Assn & Coconino ARC
A15M 1089 2 21 4,804 STX	Buckeye DX Club	K5NE 353 2 15 1,714 AR	W0BCHK 162 2 8 574 OH	W7TB (+K7KCN) 2100 2 21 8,268 AZ
W8OS 1107 2 7 4,774 OH	Montreal ARC / West Island ARC / Concordia University ARC	SPRAG 423 2 4 1,704 IL	EmComm Ham Operators of Jackson Hole	Northern Ohio DX Assn
VE2AR 1224 2 25 4,688 QC	ARA of So New England	N9EP 423 2 4 1,704 IL	W0JCH 160 2 6 570 WY	W8DXA 2492 2 23 8,100 OH
W1AQ 1464 2 13 4,562 RI	Red Ant Annihilators/SCAN/BVSARC	Salts Hams Club	Possom Hollow Rednecks	Platinum Coast ARS
K16J 1747 2 5 4,198 SJV	Murphy's Law Radio Group	N5PJ 412 2 3 1,648 OK	WD8MQN 117 2 8 564 VA	W4MLB (+K4QD) 2133 2 86 8,050 SFL
N5KM 1068 2 26 4,082 NTX	Wayne ARC	Mayerthorpe Flying Tigers	University ARC	Cold Creek Canyon Campers
W8AV 905 2 11 3,940 OH	Big Hill ARC	VE6FT 723 1 11 1,646 AB	W4UAL 318 1 3 553 AL	WOC 2375 2 5 8,046 CO
K0HP 821 2 5 3,930 SD	Page Valley ARC	Paso Robles ARC	WARS	Central Virginia CC
K4PMH 1197 2 18 3,902 VA	K4PMH 1197 2 18 3,902 VA	W6R 639 1 25 1,635 SB	WC7EC 122 2 12 536 OR	W4ML (+W4MYA) 1907 2 16 7,972 VA
W5MPZ 1309 2 11 3,880 NM	Dr. Loomis Memorial Junior Mechanics League	Juneau ARC	WARS	Escondido ARS
W3KDR 1046 2 8 3,596 MDC	Souris Valley ARC	KL7JRC 307 2 41 1,634 AK	WE7EC 122 2 12 536 OR	N6SD (+N6WB) 2134 2 80 7,804 SDG
K0AJW 858 2 10 3,496 ND	Big Bend ARC	Parma RC	Novi ARC	Schaumburg ARC
K5FD 1188 2 20 3,460 WTX	K5FD 1188 2 20 3,460 WTX	W8PRC 356 2 31 1,632 OH	N8OVI 60 2 3 532 MI	N9RJV (+W9RAO) 2036 2 62 7,458 IL
N7KE 877 2 19 3,292 WWA	Motorola ARC	JJ&V Contesters	VE7IHL 157 2 3 514 BC	Purveyors of Doom
K9MOT 767 2 20 3,204 IL	Marshall Cty ARC	WA0VPJ 725 2 6 1,608 MN	NorWesCo	W9JFO 2526 2 9 7,388 NM
W0GJC 671 2 12 3,162 KS	Laurens Cty ARC	VE3OD 249 2 10 1,602 ON	N9PHS 58 2 5 466 WI	MARA / VARA
N4CWZ 898 2 3 3,032 NC	W9PC 704 2 7 2,950 IN	Stanly Cty ARC	Atchison Cty AR Service	W4XD (+K4MRA) 2022 2 98 7,360 VA
K4SV 994 2 21 2,842 SC	Athens Cty ARC	K4OGB 360 2 14 1,592 NC	K0HK 45 2 7 462 KS	Lynchburg ARC
W8MHV 522 2 13 2,800 OH	K4WDG 948 2 14 2,706 NC	Benson Cty ARC	LBCECG	K4CC (+K4SQ) 1900 2 23 7,230 VA
W0WML 468 2 9 2,634 IA	W0SND 615 2 4 2,592 MO	N0BG 229 2 11 1,568 ND	N3RAY 138 2 3 396 EPA	NA9U (+K9TEW) 1864 2 24 7,210 IN
W0SND 615 2 4 2,592 MO	IOOK Vice-Presidents	Local Emergency Field Radio Op Group	Big Sandy ARC	Saratoga ARA
W8ED 556 2 14 2,518 WV	Union Metropolitaine des Sans-filiste de Montreal	W9FRG 309 2 12 1,548 WI	K0CPBQ 60 2 3 370 CO	K6SA (+K6NN) 2290 2 20 7,170 SCV
VE2UMS 636 2 25 2,490 QC	Bitterroot AR Contest Group	Wireless Society of Southern Maine	KJ4JZG 156 2 3 362 TN	Rochester DX Assn
K7A 454 2 3 2,406 MT	4x4 Ham	WS1SM 228 2 10 1,490 ME	W9GFD 101 2 5 352 IL	W2RDX (+W2AN) 2024 2 27 7,102 WNY
W7AZO 392 2 50 2,400 AZ	Wiregrass ARC	ARC of the Univ of Arkansas	Tick Bite Quartet	PARC & PRA
W5WQ 562 2 15 2,190 MS	WB4ZPI 726 2 15 2,254 AL	K5GOE 240 2 39 1,434 AR	K4RET 118 2 4 336 VA	W1HP (+K1INA) 1631 2 20 6,988 EMA
W7TT 447 2 17 2,124 EWA	Southwest MS ARC	Vicksburg ARC	Northern MI ARES	Motor City RC
SCVRA	K0CD 397 2 20 2,118 WI	K5ZRO 290 2 4 1,426 MS	NM8ES 30 2 4 310 MI	W8MRM (+W8GTZ) 1946 2 51 6,926 MI
K0CD 397 2 20 2,118 WI	Texas DX Society	Poly Alumni RC	JVARC	Heart O' Texas ARC
K5DX 616 2 9 2,100 STX	Bass Hill Rep Group	W3CDI 272 2 6 1,354 MDC	K3DNA 88 2 7 276 WPA	W5ZDN (+W5TSA) 1925 2 43 6,828 NTX
W1KX 429 2 8 2,076 ME	Jefferson Cty ARC	KB0FM 549 2 3 1,348 WI	Roadrunners	Tampa ARC
KB0TLL 648 2 36 2,046 MO	Derangers	KB9OFM 549 2 3 1,298 WI	KB3UDP 10 2 3 272 MDC	N4TP (+N4SEX) 1938 2 35 6,796 WCF
N6MI 1361 1 4 2,034 SCV	Hattiesburg ARC	Bitterroot ARC	Baccalieu AR Klub	W4PL (+W4AA) 1692 2 31 6,714 TN
K5PN 825 2 23 2,000 MS	K5PN 825 2 23 2,000 MS	W7FTX 259 2 54 1,288 MT	VO1BRK 67 2 8 248 NL	W/K ARC of Greater Milwaukee
		Issaquah ARC	Victoria Haliburton ARA	N9AW 1868 2 10 6,634 WI
		W7BI 200 2 6 1,226 WWA	VA3LNZ 64 2 3 228 ON	Friends and Alumni of LT
		Ether Busters	Aerospace Employees Radio Org Colorado	K1LT 1862 2 12 6,616 OH
		W0KU 295 2 5 1,220 CO	Springs	Mississippi Valley ARA
		LOWARS	AEORO 29 2 14 208 CO	W9MVA (+W9FCC) 2064 2 15 6,496 WI
		VE3JFF 212 2 8 1,204 ON	Hualapai ARC	Explorer Post 599
		Vaca Valley RC	W6RER 62 2 5 208 AZ	WA2DFI (+W7BSA) 2064 2 13 6,472 AZ
		W6VVR 360 2 8 1,190 EB	Watertown ARC	Delaware ARA
		Great River ARC	N9HR 47 2 10 194 WI	K9NN (+W9DUC) 1700 2 19 6,430 IN
		W0DBQ 260 2 13 1,170 IA	Twin Swamps Radio Ops	Monroe Co. Radio Comm Assn
		Covey Hill ARC	KC8NDA 63 2 3 176 MI	W8PI (+W8DWL) 1918 2 17 6,306 MI
		VE2CYH 239 2 20 1,160 QC	Dairynad Xpeditionary Keyers	Boulder ARC
		Prescott-Russell ARC Inc.	WESL 1 1 3 101 WI	W0DK 2036 2 15 6,292 CO
		VE3PRD 201 2 10 1,114 ON	St. Marys ARC	Crawford ARA
		Peruvian-American RC	VE3SDF 28 2 8 56 ON	W3MIE (+N3QQH) 1636 2 39 6,292 WPA
		KE0RR 228 2 3 1,036 MN	2A	N4N (+KE4UW) 1496 2 27 6,212 GA
		Heart of Texas Ham Ops Group	Batesville ARC	Decatur ARC
		W5SHOT 121 2 19 1,030 STX	K5UZ	NHC Em Prep Group
		K7JAN 322 2 3 1,024 ID	(+KD5J) 4560 2 20 15,470 AR	NC4NH 1659 2 36 6,126 NC
		Falls Lake ARC	Radio Amateurs of Northern Vermont	PRARL KP4ES (+NP3IR) 1485 2 17 6,074 PR
		K24FL 221 2 3 1,012 NC	W1NVT (+W1PU) 4639 2 28 14,802 VT	
		Arkansas Radio Em Serv & CAUHF	Muskogee ARC	
		N5AT 230 2 34 1,010 AR	KK5I (+N5KW) 3468 2 10 12,868 OK	
		VE7NA 212 2 26 990 BC	Louisiana Cane Field CC	
		Mountain ARC	W5ZR (+W5RZY) 3480 2 27 12,434 LA	
		W6BW 264 2 13 978 SJV	REDXA & Marin ARS	
		Dawg Daze Radio Group	W6SG (+W6KB) 3785 2 60 12,028 SF	
		W6BIV 156 2 3 968 SB	Redneck Riviera Radio Sportmodels	
		Texas Interconnect Team	N4OX (+K4ARD) 3889 2 6 11,872 NFL	
		K5TIT 326 2 7 902 NTX	Sierra Chapter NCCC	
		N5K 629 1 3 870 WTX	K6NV (+K6ST) 3399 2 9 11,206 SV	
		Decatur Cty ARC	Falmouth Amateur RA	
		KW4DC 207 2 11 864 TN	K1RK (+W1HQH) 3057 2 25 10,572 EMA	
		Texins ARC / Richardson Wireless Klub / UTD ARC	Raytown ARC	
		K5TD 341 2 15 834 NTX	K0GG (+KC0MO) 2653 2 35 10,300 MO	
		Kalvary E-Free Church	Minnesota Wireless Assn	
		KD0PFC 306 2 6 832 CO	W0AA (+N0KK) 2227 2 20 9,742 MN	
		Amargosa ARC	McMinn Cty ARC	
		N7A 246 2 6 760 NV	NA4K 2942 2 37 9,716 TN	
		Chautauqua & Erie ARC	Pacific Cty ARC	
		N2ZY 134 2 4 718 WNY	W7R (+W7Y) 2583 2 22 9,672 WWA	
		DeKalb Cty ARC		
		W4GBR 134 2 15 718 AL		
		Current River ARC		
		K0CRA 111 2 13 712 MO		
		River Cities ARA		
		K4K 72 2 12 704 KY		
		Inuvik AR Group		
		VE8NE 81 2 3 704 NWT		

Lockheed Martin ARC W5IU 753 2 32 3,816 NTX T-CEP Disaster Radio Team K6TI (+W6TOP) 797 2 45 3,788 LAX ARC of National Electronics Museum K3NEM (+W3GR) 921 2 15 3,742 MDC Corona PD CSV Team W6CPD (+AE6ED) 839 2 16 3,734 ORG Granite State ARA N1QC (+KB1NH) 832 2 27 3,708 NH Long Island Mobile ARC W2VL (+WV2LI) 783 2 120 3,666 NLI Catalina RC & Rad Soc of Tucson W7SA (+AD7RZ) 686 2 60 3,548 AZ South Bay ARA KU6S (+AG6HJ) 1991 1 33 3,525 EB Cherryville Repeater Assn W2CRA 766 2 28 3,518 NNJ 3730 GROUP VE3ORF 963 2 15 3,500 ON Fort Myers ARC W4LX (+W4DHT) 807 2 20 3,480 SFL Pasadena RC W6KA 784 2 34 3,478 LAX Wheaton Community Radio Amateurs W9CCU 799 2 30 3,474 IL St Croix ARC WW1IE (+K1BSA) 664 2 25 3,420 ME Radio Amateurs of Greater Syracuse W2AE 729 2 32 3,400 WNY Maryland Mobileers ARC W3CU 648 2 25 3,324 MDC Meeker Cty ARC K0MCR (+AE0GD) 901 2 17 3,294 MN WD2K (+K2R2VW) 589 2 35 3,208 ENY MTARS W4UOT 763 2 32 3,190 TN Wireless Assn of South Hills N3SH 720 2 15 3,180 WPA PLANO ARC K5PRK 781 2 25 3,154 NTX Southern PA Comm Group K3AE 781 2 33 3,062 EPA National Trail ARC K9UXZ 918 2 14 3,046 IL North Kitsap ARC KC7Z (+KF7GWG) 592 2 48 3,024 WWA Two Rovers ARC W3OC (+KB3YRW) 844 2 24 3,004 WPA Carroll City AC K3PZN 669 2 10 2,898 MDC Copper Country Radio Amateur Assn W8CDZ (+K8BRGO) 609 2 11 2,824 MI VE7VCC 551 2 14 2,794 BC Calvert ARA K3CAL 598 2 15 2,786 MDC Queen Anne's ARC K3PG (+K3LMR) 469 2 21 2,698 MDC North Ottawa ARC W8CSO (+K8CUNY) 384 2 12 2,646 MI Maple Ridge ARC VE7GMR (+VE7CML) 612 2 12 2,636 BC North Bary ARA K6LI (+KO6B) 502 2 15 2,634 EB Sierra Foothills ARC W6EK (+N6BRP) 535 2 24 2,626 SV San Francisco ARC W6PW 609 2 17 2,504 SF Orange Park ARC K4BT (+KB4SA) 645 2 45 2,476 NFL Silvercreek ARA W8WKY 704 2 8 2,396 OH Anoka Cty RC W0YFZ (+AE0AL) 547 2 25 2,360 MN San Antonio RC W5SC (+W0YVY) 595 2 21 2,328 STX West Chester ARA W8CVOA 922 1 20 2,302 OH Wichita ARS N5WF 413 2 54 2,248 NTX Pilot Knob ARC KS0LV 403 2 8 2,236 KS W6SCE (+WB6UCD) 436 2 10 2,232 LAX Lincoln Cty ARA W4BV 650 2 18 2,198 TN	San Angelo ARC W5QX (+KD5URW) 334 2 44 2,184 WTX Humboldt ARC NU6O (+W6ZZK) 536 2 50 2,158 SF Coos Cty RC K7CCH 946 1 30 2,152 OR Genesis ARS N1ZIZ (+KB1EVY) 205 2 30 2,130 EMA Snohomish Cty Hams Club W4LAW (+KD7EJ) 499 2 24 2,080 WWA Sun Country ARS W4CW 376 2 8 2,072 NFL Western Lake Cty ARS W9WLC 526 2 10 2,058 IL Troy Amateur RA N2TY 443 2 40 2,056 ENY Island Cty ARC W7AVM (+K6ZY) 419 2 38 1,964 WWA RAS of Norfolk W4NFS (+W4ORF) 379 2 15 1,962 VA Radio Assn of Erie W3GV 728 2 21 1,958 WPA K43PMW 619 2 4 1,946 WPA Freescale ARS AC7U 511 2 7 1,944 AZ Wisconsin Valley RA W9NA 320 2 13 1,928 WI Cleveland ARC W4GZX 285 2 102 1,900 TN Northern Ohio ARS K8KRG 501 2 42 1,892 OH Murray Cty ARC KD0IXB 506 2 10 1,862 MN Salkhatchie ARS KK4BQ 290 2 62 1,838 SC Lewis-Clark ARC W7VJD (+KD5ALU) 227 2 32 1,826 ID Radio Amateur Club of Knoxville W4BBB 320 2 32 1,794 TN Yellowstone RC K7EFA (+WN7Y) 269 2 25 1,770 MT Honeywell-Glendale ARC K7HON (+K9CTKC) 514 2 8 1,758 AZ Miami'sburg Wireless Assn W8BPLZ 454 2 20 1,754 OH Southern Michigan ARS W8DF 448 2 31 1,748 MI Detroit Lakes ARC W0EMZ 326 2 18 1,736 MN Sask Alta RC VE6WP 541 2 10 1,730 AB Skyview ARS — Field Site WX3SKY (+NU3Q) 279 2 19 1,706 WPA Chelsea ARC W8BIL 228 2 12 1,682 MI Green Bay Mike & Key Club K9EAM 411 2 17 1,676 WI Navarre CERT ARC KC4ERT 219 2 12 1,670 NFL Aroostook ARA K1FS 370 2 44 1,668 ME Huntington Beach RACES W6O 331 2 26 1,668 ORG Borderline ARC W7BAR (+WX7L) 318 2 30 1,652 UT Puerto Rico Radio Ops NP3PR 384 2 7 1,632 PR Dekalb/Cannon ARC AB4ZB 255 2 4 1,626 TN Sylvan Spring ARC KJ4SWD 268 2 26 1,612 AL Land of Lakes ARC K9HD 330 2 10 1,590 IN Radio Amateurs of the Gorge W7RAG 77 2 54 1,546 OR Kochina ARC W7EH 245 2 31 1,542 AZ Hoosier Hills Ham Club W9GUS 166 2 21 1,538 IN Hillbilly Hams AB2JT 529 2 4 1,508 WNY Suffolk Cty RC W2DQ 261 2 28 1,500 NLI NBC Burbank ARC N2EW 314 2 4 1,488 LAX Mohave ARC K7MPR 436 2 20 1,470 AZ Shiawasse ARA W8QQQ 304 2 8 1,458 MI Fulton Cty ARC K9ILLS 296 2 36 1,422 IL W7EI 245 2 33 1,340 AZ Blacksburg ARS WQ3C 413 2 13 1,332 VA Southwest Missouri ARC W0EBE (+AC0SR) 223 2 50 1,298 MO Yuma DX Assn N7YDX 158 2 63 1,296 AZ	Baytown ARC K5BAY 231 2 15 1,292 STX LARA W2RUI 110 2 24 1,286 WNY Ozark Mountain ARC KD0HAV 195 2 4 1,240 MO Nortown ARC VE3NAR 590 2 8 1,230 ON Somerset Cty ARC K3SMT 339 2 20 1,230 WPA Calhoun Cty ARA WB4GNA 66 2 55 1,120 AL Bates Cty ARC KD0KDJ 157 2 10 1,114 MO NS8P 304 2 7 1,098 OH Yellow Thunder ARC WB9FDZ 242 2 10 1,034 WI Sky Valley RC W7SKY 129 2 12 958 WWA Pioneer Radio Operators Society K2PRO 57 2 7 814 WNY Grundy Cty ARC KB9SZK 200 2 9 650 IL Headwaters ARC N3PC 247 2 12 644 WPA Cherokee Cty ARC K5JVL 70 2 10 398 NTX	Penn Wireless Assn W3SK 903 2 28 3,696 EPA Wayne Cty ARA W4HS 840 2 15 3,676 NC Orange Cty ARC W2HO (+K2ULZ) 838 2 44 3,522 ENY Marion ARC W8GVB (+WW8MRN) 729 2 10 3,516 OH Bridgerland ARC W7IVM 613 2 73 3,490 UT Tipp City AR Group K8ZC 685 2 42 3,484 OH ARA of SW Florida W4F 878 2 20 3,434 SFL Waypoint ARC WA0RC 680 2 40 3,320 KS Saginaw Valley ARA K8DAC 817 2 32 3,290 MI Iredell Cty ARS W4SNC 794 2 18 3,268 NC Denver RC W0TX (+W0OUI) 837 2 24 3,262 CO Siskiyou Cty ARA K6SIS (+KJ6UYR) 757 2 8 3,010 SV ARC of El Cajon WA6BGS 892 2 84 2,962 SDG Bay Area ARC N8NVL 656 2 25 2,814 MI Starved Rock RC W9MKS (+K9ZQ) 549 2 66 2,784 IL Kalamazoo ARC W8VY 794 2 25 2,782 MI Kern Cty-Central Valley ARC W6LIE 535 2 53 2,774 SJV Bellbrook ARC W8DGN 555 2 54 2,682 OH Kokomo ARC W9GO 628 2 32 2,626 IN Outdoor Adventure USA K6OAU 925 2 25 2,604 ORG Beaver Valley ARA W3SGJ 763 2 45 2,494 WPA Londonderry ARC VE3LON 630 2 26 2,490 ON Victoria ARC & Coletto Creek ARC W5DSC 384 2 55 2,466 STX Chesapeake AR Serv W4CAF (+W4FOS) 544 2 40 2,452 VA Silver Springs RC K4GSO 828 2 20 2,408 NFL Blackford ARC K9VND 541 2 27 2,376 IN Coastal ARS W4LHS 682 2 34 2,374 GA AREA W9YPC 420 2 12 2,326 IL Hewlett Packard Boise ARC AB7HP (+WV7I) 470 2 10 2,270 ID Wood Cty EmComm W8CEC 284 2 25 2,208 WV Citrus Belt ARC W6JBT 474 2 20 2,198 ORG CCARA & HARA W8O (+W8GO) 393 2 20 2,190 OH Fort Herkimer ARA W2FHA 347 2 16 2,182 WNY South East Metro ARC W0CGM 357 2 10 2,142 MN Tryon ARC K2JJI 285 2 35 2,034 NNY Clarksville Operating Radio Enthusiasts AA4TA (+K4ORE) 400 2 15 2,028 TN Jackson Cty ARA N5OS (+W5WA) 422 2 35 2,022 MS Toothless Talkers N8IVE (+K8YTS) 628 2 12 1,982 OH Morongo Basin ARC W6BA (+AE6SG) 239 2 25 1,876 ORG TCARES K6TUO 302 2 7 1,756 SJV Mount Vernon ARC K4US 367 2 25 1,702 VA Kings Cty Rep Assn KC2RA 251 2 12 1,702 NLI Sabine Valley ARA K5GVL 334 2 18 1,680 NTX Sangamon Valley RC W9DUA 242 2 30 1,654 IL Hams On The Hill N7V 255 2 46 1,644 NV East River ARC W8MOP 295 2 11 1,540 VA Magic Valley ARC VE3SPC 940 2 15 3,792 ON Garrett Cty ARS K3EE 801 2 16 3,790 MDC Highlands Cty ARC K4W (+W4CBS) 825 2 20 3,708 WCF
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N6KRV 184 2 6 1,260 SJV
 Ham Friends of Redlands
 WB6WB 56 2 21 1,182 ORG
 Jonestown Mtn Repeater Assn
 N3CSE 192 2 14 1,174 EPA
 Radio Amateurs of Corry
 W3YXE 151 2 15 1,152 WPA
 Inland ARS
 K8DXN 175 2 8 1,000 LAX
 K6OX 226 2 11 942 LAX

6A
 Albuquerque DX Assn
 W5UR
 (+K5HAB) 6026 2 26 20,654 NM
 Mike & Key ARC
 K7LED
 (+AE7G) 5363 2 73 16,720 WWA
 WY Flamingo Desperadoes
 WY7FD
 (+WY7SS) 4648 2 19 15,548 WY
 South Jersey RA
 K2AA
 (+W2EA) 4135 2 42 13,318 SNJ
 Central Kentucky ARS
 AA4NJ 3472 2 21 10,496 KY
 W7DK
 (+W7OS) 2429 2 90 9,142 WWA
 Fort Wayne RC
 W9TE
 (+KM9DON) 2486 2 57 7,754 IN
 Lake Monroe ARS
 N4EH
 (+KJ4ZPH) 2256 2 95 7,438 NFL
 K3PT
 (+W3HZW) 2199 2 36 7,280 DE
 Warminster ARC
 K3DN 1800 2 35 6,154 EPA
 Fox River Radio League
 W9NE
 (+W9CEQ) 1573 2 55 5,666 IL
 W5ANR 1141 2 20 5,494 AR
 DuPage ARC
 W9DUP 1340 2 55 5,206 IL
 Northern Berkshire ARC
 N1WM
 (+KB1DMR) 1045 2 26 4,912 WMA
 Holland ARC
 K8DAA 1206 2 12 4,768 MI
 20/9 RC Inc
 K8TKA 1085 2 59 4,544 OH
 Sierra Nevada ARS
 W7TA 924 2 45 4,468 NV
 Turlock ARC
 W6BXN
 (+AA6D) 1217 2 28 4,182 SJV
 Salem ARC
 W7SAA 1077 2 20 4,174 OR
 Kitchener Waterloo ARC
 VC390IC
 (+CK3IC) 1116 2 29 3,954 ON
 Orlando ARC
 K1AA
 (+W1SE) 851 2 15 3,868 NFL
 Antietam RA
 W3CWC 722 2 39 3,744 MDC
 K9BAR 962 2 31 3,636 IL
 Whitman ARC, Inc.
 W1N 1113 2 45 3,572 EMA
 North Shore ARC
 VE3NSR 700 2 20 3,556 ON

Fulton Cty ARC
 K8BXQ
 (+KD8JBS) 697 2 14 3,350 OH
 ARA of Long Beach
 W6RO 631 2 51 3,048 LAX
 Lakeside ARC
 K6SEE 683 2 30 2,946 SDG
 Central NH ARC
 W1JY 428 2 18 2,796 NH
 Bear Bait RC
 KC2ZZO 454 2 14 2,692 NNY
 CCDX ARC
 AD1T
 (+W1WWW) 738 2 16 2,628 NH
 Peak RA
 W7PRA 854 2 12 2,626 OR
 Warrensburg Area ARC, Inc.
 W0AU 547 2 10 2,470 MO
 Barrow ARC
 WR4BC
 (+W4WYI) 502 2 26 2,332 GA
 RASON
 N1NW 444 2 39 2,278 CT
 KJ4YEN 363 2 33 2,264 NC
 Elks Lodge ARC #1004
 W5ELK 414 2 12 2,100 AR
 International Brotherhood of Radio
 Operators
 K8KMX 301 2 32 1,862 OH
 Keuka Lake ARA
 AE1PT 271 2 30 1,736 WNY
 Kent ARS
 K3ARS 167 2 18 1,736 MDC
 Ripley Cty ARC
 K9RC
 (+K9VZC) 114 2 12 1,518 IN
 Sierra ARC of the High Desert
 N6N 152 2 22 1,286 ORG
 St Joseph Cty ARS
 WG8V 68 2 8 186 MI

7A
 Lake ARA
 K4FC
 (+KT4Q) 5446 2 40 17,042 NFL
 Big Bear ARC
 K6BB 1706 2 20 7,144 ORG
 W6TRW ARC
 W6TRW
 (+K6OUE) 2538 2 42 6,840 LAX
 Niagara Peninsula ARC, Inc.
 VE3VM
 (+VA3NRS) 1863 2 40 6,008 ON
 Central Mass ARA
 W1BIM 1537 2 31 5,984 WMA
 Kendall ARS
 KB5TX 1252 2 18 5,204 STX
 Greater Wichita Field Day
 N0W
 (+K0W) 1197 2 50 5,096 KS
 W3VPR
 (+K13DS) 925 2 38 4,228 MDC
 Calaveras ARS
 N6FRG 796 2 19 3,908 SJV
 Alexandria RC
 W4HFH 935 2 27 3,732 VA
 Marple Newtown ARC & Mobile Sixers RC
 N3NZ
 (+W3AWA) 716 2 53 3,658 EPA
 Silverado ARS
 W6CO
 (+KE6O) 922 2 48 3,422 EB

Maker Faire Field Day
 K0C 593 2 134 3,304 MO
 MGRA / CGARC
 W4R
 (+W4BA) 816 2 75 3,194 GA
 South Bay ARS
 K6QM 726 2 15 3,126 SDG
 Ventura Cty ARC
 K6MEP 353 2 15 2,244 SB
 W8KEA 443 2 20 2,206 MI
 Scarborough ARC
 VE3WE 294 2 12 1,544 ON
 Western Reserve ARC
 W8WRC
 (+KD8ELY) 195 2 35 1,520 OH

8A
 Cortek RA
 W9CA
 (+K9J) 8041 2 50 26,342 IL
 Gloucester Cty ARC
 W2MMD 3394 2 70 12,746 SNJ
 Hampden Cty RA
 W1NY
 (+W1Z) 2904 2 60 10,236 WMA
 Gwinnett ARS
 W4GR
 (+KD8DVY) 2703 2 153 9,624 GA
 Mahoning Valley ARA
 W8QLY
 (+W8IZC) 2545 2 32 9,046 OH
 Forsyth ARC
 W4NC
 (+W4WS) 2011 2 37 7,828 NC
 Lancaster NY ARC
 W2SO 969 2 12 3,634 WNY
 Four Lakes ARC
 W9JZ 611 2 41 3,386 WI
 Barry ARA
 K8BMI 757 2 21 3,298 MI
 Crawford Cty ARC
 W8BAE 913 2 22 2,880 OH
 K0USA 653 2 40 2,762 NE
 Delta ARS
 V7SUN 378 2 17 2,460 BC
 Delta ARS
 VE7SUN 378 2 17 2,460 BC
 Muskegon Area AR Council
 W8ZHO
 (+K8EOD) 376 2 50 2,378 MI

9A
 Raleigh ARS
 W4DW
 (+W4RNC) 4017 2 102 12,998 NC
 W9UUU 1711 2 48 6,190 IN
 Stanislaus ARA
 W6ERE 586 2 39 2,638 SJV

10A
 Woodbridge Wireless
 W4IY 5311 2 50 18,094 VA
 Rappahannock Valley ARC
 K4TS
 (+N4ENG) 2643 2 32 10,328 VA
 Ventura Cty ARS
 N6R 1565 2 150 5,838 SB
 Broken Arrow ARC
 W5BBS 814 2 40 4,064 OK
 Toledo Mobile RA
 W8HHF 685 2 42 3,332 OH
 El Dorado Cty ARC
 AG6AU 744 2 31 3,326 SV

Flying Pigs QRP Int — North Cent Tennessee
 WA4PIG 156 5 5 1,610 TN
 Pennsylvania Knightlites
 KA2QPG 145 5 10 1,580 WPA
 NP2CB Field Day Group
 NP2CB 92 5 7 1,510 NFL
 Pinyon Mesa Operators
 K0G 107 5 3 1,420 CO
 QRP Cheeseheads ARC
 NQ9RP 75 5 3 1,400 WI
 Terrace ARC
 VE7BQO 114 5 5 1,365 BC
 NG1P 198 5 3 1,240 ME
 CRA Sorel-Tracy
 VE2CBS 112 5 12 1,125 QC
 North Georgia VHF Society
 K4NGA 107 5 8 1,030 GA
 Marconi RC of Newfoundland Signal Hill
 Splinter Group
 VO1MRC 17 5 9 1,025 NL
 K2QR 44 5 4 990 WNY
 Northern Vermont QRP Soc
 N1QS 133 5 4 915 VT
 Yarmouth RC Inc
 W1YAR 43 5 7 765 ME
 ARC of Alameda
 K6QLF 10 5 3 585 EB
 Omarc Lite
 KC2SVS 25 5 5 345 NNJ

2A Battery
 Colorado QRP Club
 W0CQC
 (+NA0TC) 1532 5 5 15,890 CO
 Explorers RC
 NA3DX
 (+NA1DX) 557 5 10 5,730 MDC
 Dixie ARC
 W7DRC
 (+NA7UT) 661 5 32 5,480 UT
 Tri-State Mountaineers
 AC3V
 (+KB3VPA) 414 5 9 4,075 EPA
 Walton RA
 W2LZ
 (+W2CD) 285 5 8 3,190 WNY
 Barstow ARC
 WA6TST
 (+K6IIH) 285 5 23 2,990 ORG
 RARC-QRP
 W0MXX 155 5 10 2,560 MN
 Pueblo West ARC, Inc.
 NA0PW
 (+K00MBL) 170 5 15 2,095 CO
 Iowa QRP Club
 KQ0RP 170 5 5 2,035 IA
 Ottawa Valley QRP Soc
 VA3OVQ 122 5 5 1,970 ON
 Head Lake Group
 VE3LM 220 5 3 1,915 ON
 French Creek QRP Renegades
 W3PBC 172 5 3 1,905 EPA
 Yellowknife ARS
 VE8YK 66 5 10 1,590 NWT
 Glenn ARS
 KJ6HG 90 5 10 1,410 SV
 University ARC
 N7UW 109 5 10 990 WY
 K5TED 61 5 3 885 STX
 Portland Amateur Wireless Assn
 W1KVI 49 5 16 755 ME
 Pacific Area Naturist ARS
 NU6DE 50 5 3 705 ORG

3A Battery
 Rancho Escondido
 W5YA
 (+K5KM) 1937 5 10 19,970 NM
 PART of Westford
 W1IS 587 5 50 6,345 EMA
 Reno QRP Group
 W7FST 506 5 20 5,870 NV
 North DeKalb QRP Club
 W4DGH 604 5 15 5,780 AL
 Naval Postgraduate School ARC
 K6LY
 (+K6NPS) 611 5 15 4,705 SCV
 N0YJ 177 5 3 2,170 MO
 Nova — QRP
 WA4MM 143 5 3 1,830 VA

4A Battery
 Zuni Loop Mtn Expeditionary Force
 N6GA 1079 5 8 9,995 LAX
 St. Louis QRP Society
 NF0R 541 5 9 6,360 MO
 Portland ARC
 W7LT 462 5 20 4,440 OR
 McMinnville ARC / YCARES
 W7YAM 319 5 17 3,895 OR
 Elgin ARS
 VE3RSE 251 5 10 3,165 ON
 Houston QRP Club
 W5MSQ 179 5 11 2,130 STX
 Snake River ARC
 K7SI 203 5 8 1,970 ID
 Lodi ARC
 N6SJV 195 5 30 1,895 SJV

5A Battery
 South Park Marauders
 WV0H 469 5 20 5,165 CO



Ross, KR4USA, and his daughter Hope, a "radio princess," look for some magic on the "Magic Band" of 6 meters at K4PJ, the Oak Ridge (TN) ARC Field Day. [Photo courtesy Charlie Hargis, K4PJ]

