

2003 OQP Results

It has almost become expected that the Ohio QSO Party means weird or lousy radio conditions. In the five years since the rebirth of the OQP, only 2000 produced "normal" conditions. We had major solar flares in 1999 and 2001, and a solar particle storm in 2002. But unlike previous years when we Buckeyes felt somehow picked on by the propagation gods, at least for 2003 we had only a run of the mill geomagnetic disturbance, much like those that afflicted the ham bands for much of the year, including many other contests. But in spite of all that, and helped by gorgeous weather here in Ohio, we had a pretty darn goodtime celebrating Ohio's Bicentennial.

[OQP Photo Gallery](#)

Ohio Results

Leading all single operators was Scott Lehman, N9AG, operating as W8EX in the High Power class from Darke county. Interestingly, Scott beat the QSO total of last year's winner (WX3M operating at W8AV) by two QSOs! W8EX did have ten more multipliers than W8AV had in 2002, which was enough to set a new record single operator score.

The low power winner, and second overall, was Mike Tessmer, K9NW, who operated from N8BJQ's station in Champaign county. Mike was also the low power winner in 2002.

The Ohio QRP category was won by Ethan Miller, K8GU, another repeat winner, from Holmes county. Second place was the all CW effort of W8TM in Hamilton county.

Last January Tim Mitchell, K9TM, reserved the special event callsign K8O, and then kept the news under wraps until OQP time. He invited 3 Michiganders, K8CC, KT8X, and W8MJ, down to join him at his Lucas county QTH (only about 500 feet from the Michigan line!) and proceeded to demolish the multiop record. The number

TOP 5 Breakdowns

High Power

	PHONE					CW				
	75	40	20	15	10	80	40	20	15	10
W8EX	71	108	92	7	2	90	167	61	10	1
N8VW	59	134	77	14	1	75	118	69	5	0
W8GN	78	75	57	2	0	109	93	83	4	0
W8KEN	130	143	155	0	0	0	0	0	0	0
N8HR	175	151	82	0	0	0	0	0	0	0

Low Power

	PHONE					CW				
	75	40	20	15	10	80	40	20	15	10
K9NW	56	75	29	1	1	103	183	59	4	1
K8AJS	33	31	4	0	0	115	103	57	0	0
N8OT	44	57	6	1	0	12	28	4	0	
WT8C	60	95	72	0	0	12	28	4	1	1
K8IJ	0	0	0	0	0	27	136	49	0	0

QRP

	PHONE					CW				
	75	40	20	15	10	80	40	20	15	10
K8GU	9	40	3	0	0	28	118	37	0	0
W8TM	0	0	0	0	0	0	198	0	3	0

Multi Operator

two score was turned in by last year's winner, AD8J, in Jefferson county.

Winning the mobile category, in another repeat victory, was the team of K8MR and W8DRZ, who operated from 21 counties in southeast and eastern Ohio.

The Ohio YL award, new in 2003, was won by Carolyn Donner, N8ST, from Brown county.

[All Ohio Scores](#)

Out of State Results

For much of the OQP, close in qsos on 40 meters were a major challenge. This made it tough for guys in Ohio to work other Ohioans. But if you were 400 miles or so away, you had a good shot into Ohio. Located a prime distance away, and fully prepared to take advantage of it, was Jim Funk, N9JF, in western Illinois. He broke the existing low power out of state record by 50%, and came within 150 points of breaking the overall (e.g. high power) record as well. Hal Offutt, W1NN, had hoped to be operating from Ohio, but scheduling problems arose, so he operated from home in EPA and took second place. The top high power effort was by K9OM in Florida, which was also the third overall out of state score.

The winning out of state QRP score was from Dennis Cobb, WA8ZBT, in Texas. He's no foreigner to Ohio, having previously lived in Fostoria for 25 years.

The out of state YL winner was Louisiana's Deandra Norred-Forrest, KD5MDO. And despite miserable propagation to Europe for most of the contest period, Zoli, HA1AG, managed 59

Multi Operator

	PHONE					CW				
	75	40	20	15	10	80	40	20	15	10
K8O	127	326	508	54	0	134	240	143	24	0
AD8J	113	194	214	11	0	94	172	101	9	0
WO8HIO	112	251	221	0	0	19	35	8	0	0
W8VND	66	105	36	0	0	2	153	0	0	0
N8XX	10	128	34	4	0	30	101	44	1	0

Mobile

	PHONE					CW				
	75	40	20	15	10	80	40	20	15	10
K8MR	0	49	16	1	0	138	463	117	0	0
AF8A	0	23	17	0	0	89	348	138	0	0
W8CAR	0	36	1	0	0	48	395	86	0	0
KU8E	0	0	0	0	0	0	378	101	0	0
AA8HH	8	59	28	0	0	16	174	10	0	0

TOP Scorer's Breakdowns

High Power

	PHONE					CW				
	75	40	20	15	10	80	40	20	15	10
K9OM	5	16	85	0	0	23	64	65	1	0
K4BAI	14	40	5	0	0	32	87	24	2	0
K5KG	5	19	25	1	0	17	54	14	1	0
AD6WL	1	6	34	11	0	2	15	39	2	0
K4XU	0	0	21	0	0	0	0	40	1	0

Low Power

	PHONE					CW				
	75	40	20	15	10	80	40	20	15	10
N9JF	40	89	0	0	0	35	121	9	0	0
W1NN	18	101	0	0	0	34	104	6	0	0
K8IR	28	64	0	0	0	31	103	1	0	0
K2PS	22	61	6	0	0	25	97	11	1	0
W5AC	0	6	97	0	0	6	26	68	1	0

QRP

	PHONE					CW				
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Ohio qsos to earn the top score from outside W/VE.

[All Out of State Scores](#)

Club Results

Once again the Ohio Club competition was won by the North Coast Contesters, led by the 232K point multiop score of AD8J. Within close distance in second place was the Lake County Amateur Radio Association. LCARA's efforts were again reflected in Lake county being the most worked county.

Winning the out of state club competition was the Society of Midwest Contesters, with a record breaking 128K total.

Who was Rare. Who was Not.

There were 24705 qsos reported in the 2003 OQP. SSB narrowly beat out CW, 12,435 to 12,270. By band and mode, we had:

	80	40	20	15	10
SSB	3186	5701	3374	169	5
CW	2468	7347	2366	86	3

The OQP log checking revealed qsos reported from 87 of Ohio's 88 counties. Missing in action was Madison county, located just west of Columbus. All the other Ohio counties had at least double digit numbers of reported qsos.

With the adjustment of the Canadian multipliers to reflect what Canada is really like (i.e. Labrador is really part of the province of Newfoundland, and we lumped together the three northern territories of Yukon, Northwest, and Nunuvut, where nobody lives anyway), we had all the multipliers outside Ohio worked! Of course there is lots of room for improvement, as there were only single qsos reported in Prince Edward Island, Newfoundland, and the Northern Territories.

If you ever heard someone in Lake county working someone in Pennsylvania, that was normal! Lake, Lucas, and Cuyahoga were the most worked Ohio counties, with Pennsylvania, Texas, and Florida the most reported locations outside Ohio.

	75	40	20	15	10	80	40	20	15	10
WA8ZBT	0	7	34	1	0	4	25	42	1	0
WA4PGM	19	32	0	0	0	16	44	0	0	0
K5IID	24	15	0	0	0	31	33	1	0	0
NA3V	8	26	0	0	0	6	36	0	0	0
W1KLM	16	23	13	0	0	0	0	0	0	0

Multi Operator

	PHONE					CW				
	75	40	20	15	10	80	40	20	15	10
KG4NWS	18	97	3	0	0	0	0	0	0	0
VE7FO	0	1	28	0	0	0	21	35	0	0

DX

	PHONE					CW				
	75	40	20	15	10	80	40	20	15	10
HA1AG	0	1	28	0	0	0	4	26	0	0

Plaques

PLAQUES - OHIO

Category	Winner	Sponsor
Single Op High Power	N9AG	Findlay Radio Club
Single Op Low Power	K9NW	Cincinnati Buckeye Netters
Single Op QRP	K8GU	Kanga US
Single Op YL	N8ST	Buckeye Belles
Mobile	K8MR	Lake County Amateur Radio Assn
Multi Operator Club	K8O	Wayne Amateur Radio Club
	North Coast Contesters	
		Mad River Radio Club

PLAQUES - OUT OF STATE

Single Op High Power	K9OM	Muskingum Ham Radio Group
Single Op Low Power	N9JF	Canton Amateur Radio Club
Single Op QRP	WA8ZBT	Pat Collins, N8VW
Single Op DX	HA1AG	Northern Ohio DX Association
Single Op YL	KD5MDO	Chix on Six and Two YL Group

PRIZES!

A number of state qso parties have awarded small prizes to top entries in their contests. Most notable has been the California QSO Party, which gives out bottles of wine. Not to be outdone, the OQP sponsors considered various things of note from Ohio, and decided we do have one thing unique and very dear to the hearts of ham radio operators - the Dayton Hamvention!

So we decided to award a ticket to the 2004 Hamvention to five out of state hams who made at least 200 qsos in the OQP. Along the way we decided to expand things, and award tickets to 5 more lucky folks from a pool of those who made at least 88 qsos. (88 being the number of Ohio counties; but the 88 qsos did not have to be from all 88 counties). A number of members of the sponsoring Mad River Radio Club chipped in to pay for these prizes. The winners were drawn by K8NZ, N8TR, and W8CAR during a lull in activity during the ARRL DX CW contest at K8AZ, and the winners are:

From the out-of-state 200+ qso group:

W1NN, K4BAI, NT5TU (operator of W5AC), K8IR, and N9JF.

From the 88+ qso group:

AB8NI, AF8C, NC8V, KW8N, and KV0T.

Thanks go to those MRRC'ers who donated to make the Hamvention ticket awards possible: K5IID, AC8E, AD8P, AD8J, AF8A, K8GU, K8MR, KU8E, N8VW, W8AV, and W8RU.

The winners will be mailed their tickets after Hamvention tickets are distributed, likely in April.

Anyone interested in helping sponsor these awards (and possibly expanding them) for the 2004 OQP, please contact OQP Chairman Jim Stahl, K8MR, at k8mr@arrl.net

New for 2004

The OQP is adding a "Rover" class beginning this year. Although we have often loosely interchanged the words "mobile" and "rover" in the past, we will now have two ways to get out and see Ohio. Mobile will stay the same, limited to stations that are capable of motion (although they can operate while stopped) and also limited to 100 watts. The new Rover will be modeled as closely as possible to the definition of "Rover" as used in the ARRL VHF contests: one or two operators, transporting all equipment between locations in two or more counties. If you wish to lug a big generator and run high power, so be it. You may also make QSOs while mobile between stops; just please let's have no last-hour-of-the-contest conversions from mobile to rover. (One difference from the ARRL VHF rovers: we will permit use of AC mains for power.)

Why? Lots of experience, both in the OQP and by other mobile contesters in other QSO parties, shows that while CW contacts are usually not difficult to make with a relatively weak mobile CW signal, it is rarely possible to attract much attention with a similarly weak SSB signal. So people operating phone rarely get the benefit of those travelling through the rare counties of Ohio.

The rover class will permit someone to stop, quickly put up a simple antenna (say a dipole up 25 feet) and have a pretty decent signal. It also will let people get out and enjoy the thrill of operating from some rare counties, in multiple locations, without the need or expense of mobile antennas, a rig small enough to fit in a car, or the hassles of mobile ignition (and other) noise, etc. For a solo operator who wants to travel but does not want to operate while driving, it will let him make up for the lost time of driving by being a lot louder when he does stop.

[image:54,right,5]What can be done as a rover? We have a good example right here in Ohio. Ralph Matheny, K8RYU, has been doing just that for the past few years, putting some of the rarest southern Ohio counties on the air, on both CW and SSB. Under the new system, K8RYU would have had a combined score of 116,280 vs. a sum of 42,662 from his six individual scores.

[image:56,left,5][image:55,left,5]Although we referred to simple antennas, Ralph's are anything but. Check out the photos of his installation. With that system, it's clear he does not operate while driving!

IF YOU LIKED THE OQP, YOU MIGHT ALSO LIKE...

The Michigan QSO Party. Also sponsored by the Mad River Radio Club, it will take place on Saturday, April 17 (Noon to midnight, EDT). The format and rules are virtually identical to the OQP, and a number of those who were active from Ohio in the OQP will be traveling north to operate from Michigan. Full details are available at: www.miqp.org

And don't forget that many of the active out of state participants in the OQP are actively involved with QSO Parties in their own states. Make a point to get on in these events and say thanks to them for their activity in the OQP!

Thanks to

This year the OQP log checking was done by Pat Collins, N8VW, who is also the chief web guy for the OQP. OQP Committee members AF8A and W8AV chipped in, with Gary, AF8A, doing much of the precontest publicity and maintaining the list of OQP records.

Everett Jackson, WZ8P, is the one who handles the beautiful plaques for the category winners. Note that Everett is in the printing business - if you need top quality work for your local club or any other reason, check it out with him. OQP Chairman K8MR handles the complaint department.

Thanks to the various clubs from around Ohio who sponsored the plaques, and most of all, thanks to all those hams, both inside Ohio and out, who braved the often trying conditions last August 23 to make the 2003 celebration of Ohio's 200th anniversary a lot of fun for all.

We hope you will all join us for the 2004 Ohio QSO Party, on Saturday, August 28. Note to Mr. Murphy: the real date for you, and you only, is September 28!

Ohio Scores

OHIO High Power

	CW QSO	CW Mult	PH QSO	PH Mult	Total QSO	Total Mult	Score	QTH	CLUB
W8EX	329	89	280	83	611	174	163212	DARK	SouthWest Ohio DX Association
N8VW	267	65	285	79	552	144	117936	DELA	Mad River Radio Club
W8GN	289	73	212	75	501	148	116920	LAKE	Lake County Amateur Radio Assoc.
W8KEN	0	0	428	93	428	93	39804	GEAU	North Coast Contesters
N8HR	0	0	408	93	408	93	37944	MUSK	Muskingum Valley Ham Radio Club
NC8V	115	56	112	39	227	95	32490	ATHE	Athens County ARA
KW8N	103	47	108	43	211	90	28260	ERIE	Mad River Radio Club

N8TR	0	0	328	85	328	85	27880	LORA	North Coast Contesters
N8VZ	0	0	103	49	103	49	5047	ATHE	Athens County ARA

Ohio Low Power

	CW QSO	CW MULT	SSB QSO	SSB Mult	Total QSO	Total Mult			
K9NW	350	98	162	61	512	159	137058	CHAM	Sultans of Shwing
K8AJS	275	77	68	40	343	117	72306	WAYN	
N8OT	165	66	108	51	273	117	51246	BUTL	
WT8C	46	30	227	72	273	102	32538	LAKE	Lake County Amateur Radio Association
K8IJ	212	66	0	0	212	66	27984	CLER	
K8BL	81	43	126	46	208	90	25920	LAKE	Lake County Amateur Radio Association
ND8DX	21	18	226	74	247	92	24656	MAHO	Mad River Radio Club
AB8NI	28	20	164	66	192	86	18920	LAKE	Lake County ARA
N8SK	0	0	265	64	265	64	16960	ADAM	Edison Amateur Radio Society
NS8O	78	42	72	29	150	71	16188	MEIG	Athens County ARA
N8UW	128	59	0	0	128	59	15104	MONT	
N8GP	0	0	209	70	209	70	14630	WASH	Marietta Amateur Radio Club
W8KIC	138	53	0	0	138	53	14628	GEAU	North Coast Contesters
K8RYU	68	40	63	33	131	73	14527	LAWR	Marietta Amateur Radio Club
W8DD	26	17	154	52	180	69	14214	MEDI	Mad River Radio Club
WT8E	3	3	163	66	166	69	11661	ATHE	Athens County ARA
KV0T	0	0	169	61	169	61	10309	LAKE	Lake County Amateur Radio Association
KQ8RP	0	0	150	66	150	66	9900	FRAN	
AF8C	89	41	9	7	98	48	8976	CUYA	West Park Radiops
W8IDM	102	42	0	0	102	42	8568	OTTA	West Park Radiops
K8RYU	53	33	31	21	84	54	7830	JACK	Marietta Amateur Radio Club
K8RYU	75	33	11	7	86	40	7038	GALL	Marietta Amateur Radio Club
KB8UUZ	0	0	127	55	127	55	6985	PORT	
W8PN	81	43	0	0	81	43	6966	CUYA	West Park Radiops
N8ST	0	0	128	51	128	51	6528	BROW	

N8XWO	0	0	109	51	109	51	5559	ATHE	Athens County ARA
W8KNO	1	1	95	56	96	57	5529	PORT	
K8RYU	75	33	1	1	76	34	5134	MEIG	Marietta Amateur Radio Club
K8RYU	69	34	2	2	71	36	5040	VINT	Marietta Amateur Radio Club
W8VE	54	28	3	3	57	31	3441	STAR	
K8RYU	38	24	13	10	51	34	3026	SCIO	Marietta Amateur Radio Club
N8GB	0	0	79	36	79	36	2844	LAKE	Lake County Amateur Radio Association
W8TK	43	30	0	0	43	30	2580	FRAN	Caribbean Contesting Consortium
K8YN	0	0	57	30	57	30	1710	COSH	
WA8YVF	0	0	46	35	46	35	1610	CUYA	
W8IMF	0	0	40	26	40	26	1040	CUYA	
KC8OVB	0	0	42	23	42	23	966	ATHE	Athens County ARA
KC8UTL	0	0	29	26	29	26	754	KNOX	
KC8TZR	0	0	17	11	17	11	187	HANC	Findlay Radio Club
WD8NVN	0	0	12	11	12	11	132	FRAN	
KC4IYD	0	0	11	8	11	8	88	LORA	
WA8MWA	7	5	0	0	7	5	70	FRAN	

Ohio QRP

	CW QSO	SSB QSO	CW Mult	SSB Mult	Total QSO	Total Mult	SCORE	QTH	
K8GU	183	65	52	31	235	96	40128	HOLM	Findlay Radio Club
W8TM	201	80	0	0	201	80	32160	HAMI	

Ohio Multi Operator

	CW QSO	CW Mult	PH QSO	PH Mult	Total QSO	Total Mult	SCORE	QTH	
K8O	540	98	1015	107	1555	205	429475	LUCA	Mad River Radio Club
AD8J	376	84	532	97	908	181	232404	JEFF	North Coast Contesters
WO8HIO	62	31	584	91	646	122	86376	RICH	MAUMEE VALLEY CONTEST CLUB
W8VND	155	60	207	69	362	129	66693	HAMI	Queen City Emergency Net

K8RT	K8ANC, K8RT, KC8ANO, KC8QEV, KC8SMP, N8JOZ, N8PA, WO8R								
KC8RSA	KC8RSA, KC8UQB, KC8VLP, Brian Binkley								
W8ID	K8ARL, KC8AKF, KC8PBU, W8ID, WB8REI								
W8WE	K8ANC, K8RT, KC8ANO, KC8QEV, KC8SMP, N8JOZ, N8PA, WO8R								

Ohio Mobile

	CW QSO	PH QSO	CW Mult	PH Mult	Score	Counties	
K8MR (+W8DRZ)	718	66	60	30	135000	21	NODXA
AF8A (+W8AV)	573	40	64	24	104368	23	Mad River Radio Club
W8CAR (+K8NZ)	531	37	63	19	89954	17	Lake County ARA
KU8E	479	0	65	0	62270	14	Southeast Contest Club
AA8HH	200	95	49	39	43560	11	QCEN
KJ9C	211	44	44	18	28892	11	Hoosier DX and Contest Club
W8UE	213	0	51	0	21624	13	
WD8LQB	4	63	3	31	2414	8	
WB6JBM	0	86	0	26	2236	14	Queen City Emergency Net

Ohio Club Scores

CLUB	Score	Entries
North Coast Contesters	314716	4
Lake County Amateur Radio Assn.	279058	6
Queen City Emergency Net	176905	4
SouthWest Ohio DX Association	163212	1
Sultans of Shwing	137058	1
Northern Ohio DX Association	135000	1
Maumee Valley Contest Club	131736	2
Athens County ARA	88099	7
Marietta Amateur Radio Club	57225	7
Findlay Radio Club	40315	2
Muskingum Valley Ham Radio Club	37944	1
Hoosier DX and Contest Club	28892	1

West Park Radiops	24510	3
Edison Amateur Radio Society	16960	1
The Canton Amateur Radio Club	7645	1
Intercity Amateur Radio Club	5786	2
Caribbean Contesting Consortium	2580	1

Out Of State Scores

High Power

	CW QSO	CW Mult	PH QSO	PH Mult	Total QSO	Total Mult	Score	QTH	CLUB
K9OM	153	75	106	45	259	120	49440	FL	
K4BAI	145	65	59	33	204	98	34202	GA	South East Contest Club
K5KG	86	49	50	25	136	74	16428	FL	Florida Contest Group
AD6WL	58	38	52	32	110	70	11760	CA	
K4XU	41	33	21	17	62	50	5150	OR	
W6YX	43	29	18	14	61	43	4472	CA	Northern California Contest Club
HA1AG	30	25	29	21	59	46	4094	DX	HADXC
W6RLL	31	29	12	12	43	41	3034	AZ	
W4ARM	32	25	10	9	42	34	2516	FL	Florida Contest Group
W6KC	17	15	26	19	43	34	2040	CA	
K3MD/3	24	17	8	8	32	25	1400	PA	Frankford Radio Club
HA7UG	19	16	1	1	20	16	663	DX	
SP4JWR	12	12	0	0	12	12	288	DX	

Low Power

	CW QSO	CW Mult	PH QSO	PH Mult	Total QSO	Total Mult	Score	QTH	CLUB
N9JF	165	81	129	56	294	137	62883	IL	Society of Midwest Contesters
W1NN	144	75	119	61	263	136	55352	PA	
K8IR	135	74	92	46	227	120	43440	MI	
K2PS	134	74	89	42	223	116	41412	NJ	Frankford Radio Club
W5AC	101	61	103	49	204	110	33550	TX	Texas A&M ARC
N4PN	99	60	96	45	195	105	30870	GA	Florida Contest Group - Pan

K5OT	171	84	0	0	171	84	28728	WI	Society of Midwest Contesters
VE3NBJ	109	64	56	32	165	96	26304	ON	Contest Club Ontario
NA2X	81	52	49	33	130	85	17935	NY	
N2CU	75	44	63	35	138	79	16827	NY	WNYDXA
W3BBO	76	43	50	32	126	75	15150	PA	
K9CW	110	63	0	0	110	63	13860	IL	Society of Midwest Contesters
W4DAN	58	45	50	34	108	79	13114	TN	
N9CO	69	45	37	26	106	71	12425	CO	Society of Midwest Contesters
NO5W	94	61	0	0	94	61	11468	TX	Northwest Houston ARS
N2ZU	55	43	44	28	99	71	10934	NJ	
NA4K	58	44	39	22	97	66	10230	TN	Tennessee Contest Group
NU8Z	51	36	51	28	102	64	9792	MI	Mad River Radio Club
K4WW	48	31	49	31	97	62	8990	KY	Kentucky Contest Group
VA3IX	47	32	49	30	96	62	8866	ON	
K9PG	48	35	35	23	83	58	7598	IL	Society Of Midwest Contesters
KV5D	47	34	27	18	74	52	6292	AR	
W1TO	69	38	0	0	69	38	5244	MA	Yankee Clipper Contest Club
K4UK	61	42	0	0	61	42	5124	VA	
K4AMC	41	32	21	16	62	48	4944	TN	Tennessee Contest Group
K0HW	24	19	46	31	70	50	4700	SD	
K6DGW	35	27	26	20	61	47	4512	CA	Northern California Contest Club
WN8P	56	40	0	0	56	40	4480	KS	
ND2T	36	27	26	18	62	45	4410	CA	Northern California Contest Club
W2CVW	43	39	6	6	49	45	4140	NJ	
K3GY	23	19	49	27	72	46	4370	PA	
AA1KS	8	8	59	38	67	46	3450	ME	
W4YA	49	33	0	0	49	33	3234	FL	Florida Contest Group
K8DD	37	31	8	8	45	39	3198	MI	Eastern MI ARC
AB7RW	41	34	0	0	41	34	2788	WA	
W2LRO	30	23	17	13	47	36	2772	NJ	

K0SR	30	22	18	12	48	34	2652	MN	Minnesota Wireless Assn
KK4TA	7	7	45	29	52	36	2124	FL	Florida Contest Group
W8WAY	0	0	48	37	48	37	1776	MI	W8CDZ
KF4ZEO	1	1	48	34	49	35	1750	TN	
W9RE	20	19	15	11	35	30	1650	IN	Society of Midwest Contesters
W4TYU	31	22	0	0	31	22	1364	TN	Tennessee Contest Group
K1KI	29	21	0	0	29	21	1218	CT	YCCC
NN5A	0	0	38	30	38	30	1140	TN	Tennessee Contest Group
W4ZPR	25	22	0	0	25	22	1100	VA	
K9DXR	0	0	37	29	37	29	1073	IL	
DL5AWI	24	22	0	0	24	22	1056	DX	
W4NZ	25	20	0	0	25	20	1000	TN	Tennessee Contest Group
NX9T	0	0	35	27	35	27	945	NC	
KJ9C	16	15	7	7	23	22	858	IN	Hoosier DX and Contest Club
WA5TRX	1	1	32	23	33	24	816	LA	
KD4GBA	0	0	31	23	31	23	713	CA	
W4GFQ	0	0	35	20	35	20	700	MDC	
KD5MDO	18	17	1	1	19	18	666	LA	
K4IU	13	13	7	7	20	20	660	MN	
K9JIG	0	0	30	22	30	22	660	WI	
K0LWV	19	17	0	0	19	17	646	MO	
W4NTI	18	17	0	0	18	17	612	AL	
K5WW	0	0	27	22	27	22	594	TX	
N4NTO	18	16	0	0	18	16	576	NC	
W8RU/3	14	12	4	4	18	16	512	PA	Mad River Radio Club
W6PRI	12	12	4	4	16	16	448	CA	
DL5MC	12	11	4	4	16	15	420	DX	
N7MAL	12	12	0	0	12	12	288	AZ	
WA7HDZ	0	0	16	14	16	14	224	WA	
WA5SWN	0	0	16	14	16	14	224	KS	
WA6BOB	10	10	0	0	10	10	200	CA	Southern California Contest Club
PA3ARM	10	9	0	0	10	9	180	DX	

WA4VAP	2	2	11	9	13	11	165	KY	
KG4RZH	0	0	13	9	13	9	117	VA	
NC6P	0	0	11	10	11	10	110	CA	Northern California Contest Club
KD5TXL	0	0	10	10	10	10	100	OK	
W4BCG	0	0	10	7	10	7	70	TN	Tennessee Contest Group
AK6DV	0	0	7	7	7	7	49	CA	Northern California Contest Club
W6ZZZ	0	0	2	2	2	2	4	CA	Northern California Contest Club

grp

	CW Qso	CW Mult	PH Qso	PH Mult	Total QSO	Total Mult	Score	QTH	Club
WA8ZBT	72	48	42	28	137	89	14136	TX	
WA4PGM	60	39	51	30	101	66	11799	VA	
K5IID	65	41	39	23	65	41	10688	WV	Mad River Radio Club
NA3V	41	27	34	26	67	47	6148	PA	
W1KLM	0	0	52	32	20	17	1664	AR	Tennessee Contest Group
KE9V	26	20	0	0	38	31	1040	IN	Society of Midwest Contesters
KC8LTL	20	17	6	5	20	17	1012	MI	Cherryland ARC
W3ZMN	12	11	0	0	12	11	264	PA	

Multi Operator

	CW QSO	CW Mult	PH QSO	PH Mult	Total QSO	Tota Mult	Score	QTH	Club
VE7FO	56	42	29	22	85	58	9024	BC	
KG4NWS	0	0	118	54	118	0	6372	SC	
Operators:									
VE7FO: VE7FO, VA7CCF									
KG4NWS: KG4NWS, KA4NWS									

Club

Society of Midwest Contesters	128184	7
Florida Contest Group	55262	5
Frankford Radio Club	42812	2
South East Contest Club	34202	1
Texas A&M ARC	33550	1

Contest Club Ontario	26304	1
Tennessee Contest Group	20412	7
WNYDXA	16827	1
Northern California Contest Club	13557	6
Northwest Houston ARS	11468	1
Kentucky Contest Group	8990	1
YCCC	6462	2
HADXC	4094	1
Eastern MI ARC	3198	1
Minnesota Wireless Assn	2584	1
W8CDZ	1776	1
Cherryland ARC	1012	1
Hoosier DX and Contest Club	858	1
Southern California Contest Club	200	1

soapbox

AD8P	Lots of fun in spite of the daytime band conditions
K8AJS	The G5RV antenna that worked so well in Radiosport wasn't the right choice for Ohio QSO Party. I thought it would have more high-angle radiation than it evidently did, but working the Ohio mobiles on 20 and 40 meters was very difficult. Worked lots of stations in the deep South, Plains and West Coast, though...hi. My Ohio county total wasn't good, worse than last year, I believe. I had a great time, the rates were much better here after the sun went down, and 80 meters was the band with the best. My total on 80 meters was done in much fewer hours than the time I spent all day on 40. Next year I'll make sure I have some dipoles close to the ground, so I have better luck with the Ohio mobiles.
K8IJ	I had a great time operating portable from my sister-in-law house in Ohio. 20M was terrible, 40M was great. Many thanks to all. Vy 73, Charlie
K8RT	YL/XYL Contest Party. Club effort.
KB8UUZ	Lots of fun! Started slow, but got better. Looking forward to next year!
KJ9C/M	Tough to hear the OH stations. Also tough to make this look like Cabrillo. 213 CW/45 SSB=471 QSO POINTS, 19 counties, 44 S/P, some DX as well.
KV0T	My first time, what great fun!

N8UW	1ST QSO PARTY TS570D 100W -> G5RV @ 30' CASUAL WITH A COUPLE BREAKS - LOTS OF FUN, THANKS
N8VZ	This is my contribution to the Athens County ARA club score -- N8VZ
W8AL	A portable station was set up at the club yearly picnic, using an IC-706 with a Carolina Windom antenna. Fun was had by all !
W8EX	When my host, N8NR, went to have dinner with K9NW host, N8BJQ, K9NW and I should have swapped stations. Conditions not so good for short skip or DX, but were outstanding to Pennsylvania!
W8ID	Had a great time even with low score! Is there an award for low score??? Hope so, I have a wall all picked out for it! Got a kick out of people coming out of the woodwork to get Seneca County at the last minute! K8ARL
W8KEN	Very poor band conditions!
W8KNO	By what I heard, the signals were there but my antenna was not high enough. Hope to hav a new computer by next year. Lost my laptop and tower due to a power surge.
W8TK	One could rack up a nice score working only K8MR/M!
W8WE	YL/XYL Contest Party. A good time was had by all.
AD6WL	Conditions were not so great but the operators were. Thanks to the Mad River Radio Club. It was nice to hear KW8N put Erie on the air the last couple of hours of the contest.
HA1AG	Condx was vy bad, congrats to W8CAR for the great mobile operation!
K0HW	Tnx for the contest, wish I could have spent more time on it. See you all next year.
K0LWV	Good contest - low noise here, had fun.
K2PS	Hadn't intended to operate this contest, but TOEC was a flop (no prop to EU this AM), and I happened to tune across some OQP activity, so I figured why not? Turned out to be a lot of fun! Nice number of mobiles, K8MR, AF8A, W8CAR, KU8E, K8RYU, KJ9C, W8UE, WB6JBM/8, and AA8HH (hope I didn't forget anyone). They did a fabulous job - worked 80 of the 88 OH counties, missing CLIN (couldn't raise KU8E right at the end of the test), MADI, MARI, MERC, MORR, PREB, SCIO, WARR. And 20, 15, and 10 were nearly non-existent for the NJ to OH path. uortunately most of the activity was on 40 and later 80.
K3MD/3	Made around 8 contacts driving around town doing errands /m cw I did not log. All the best. John K3MD

K4UK	Decided to run my K2 this year QRO at 13 watts, CW only. Enjoyed working all the mobile stations. Wasn't able to operate the whole period as my wife had accepted a dinner invitation for the evening.
K4XU	conditions were not so good. Glad to give out OR.
K5OT	Great fun following the mobiles!
K6DGW	QUITE A FEW OH STNS ON. MOST WERE WEAK BUT TOTALLY WORKABLE, A FEW WERE REALLY STRONG (K8O) BUT IT WAS A FUN AFTERNOON AND EVENING. SPENT QUITE A BIT OF TIME WHILE EMPLOYED IN COLUMBUS AND DAYTON AND MADE IT TO AES IN CLEVELAND WHEN I JUST TRULLY NEEDED TO GET AWAY FOR AWHILE. HAPPY BIRTHDAY OHIO! HOPE TO CU IN THE CQP IN EARLY OCT ... I'LL BE AT N6A FOR ALPINE COUNTY.
K9DXR	Fair condx, only running 100wts into a ground mounted vert.
KD5MDO	Very small log, but perhaps I will qualify for out of state YL
KE9V	Woke up this morning with a toothache. It never got better. All I could manage was about an hour on the air. The K2 at 5 watts and the dipole performed much better than I did.
KF4ZEO	had fun
KG4NWS	I really enjoyed this contest! It was my first time to work the Ohio QSO Party and though I didn't find a lot of people in Ohio on SSB those that were on were all friendly and seemed to be having fun. See y'all next year.
KG4RZH	great fun on my Hallicrafters SR-160.
N2CU	Ohio... too close for high bands :(
N4NTO	Enjoyed the party!
N4PN	Nice QSO Party. Nice to hear my old buddy Jim, K8MR in many counties. Thanks to all of the mobiles who really make the contest fun.
N9JF	Missed Clinton, Madison and Morrow for a "sweep". Nice job by the OH stations!
NC6P	Nice contest, hope to work you in October
ND2T	A low-rate, relaxed few hours. The California to Ohio path was solidly open on 15M, but few 8s seemed to notice. Many thanks the fleet of mobiles, especially K8MR, KJ9C, KU8E, and W8CAR. See you in the California QSO Party 4-5 October.
NN5A	I'll be back next year!

NO5W	Great party and outstanding job by the mobiles that were out and about including K8MR, KU8E, AF8A, and the aptly named W8CAR. The mobiles really make these parties interesting and the 2003 OQP was no exception. Hope to see everyone in the TX QP in late September. 73, Chuck, NO5W
NU8Z	Conditions into Ohio were very poor from south Michigan. It did improve on 40 in the early evening and on 80 late in the contest. Had fun!! I will be back next year.
VA3IX	Did you ever have so much fun, under terrible condx?
W3BBO	Thanks to all the mobiles who make the State QSOP interesting!
W4ARM	Sure hope some consideration is given to adding operating time on Sundays!!
W4GFQ	Tks for the great causal contesting.
W6RLL	Lots of activity this year. Thanks to all who worked me.
W9RE	Good activity wish I had more time!
WA5SWN	I've hesitated about sending in my log - not many contacts, low score - but maybe you guys need to know that somebody in Kansas tried. My operating time was severely limited by thunderstorms, but I had fun anyway.
WA5TRX	I had fun working the OHIO QSO Party. Found quite a few stations early in the contest. Bad conditions could have better. Found nothing on 15 & 10 meters. See you next year.
W5AC	Big thanks to all the mobile guys..the 9 (mobile) stations accounted for 1/3 of the QSOs that I made! And without them I wouldn't have 39 of my mults. Thank you guys! 100 other Ohio Stations were worked, of which 9 came back to my CQ and didn't have a clue that their state QSO party was going on. 73, Dennis/NT5TU
W1NN	I had plans to be mobile again in Ohio but things just didn't work out so decided to see what I could do from out of state. 40 Meters was very good from EPA during the day but as the evening wore on, skip lengthened out and I could hear very few OH stations. My last 40 Meter mobile contact was at 0214. I did what I could on 80 but my low antenna just doesn't hack it on this band.
VE7FO	Well, the giant VE7 Multi-Multi station bombasts the airwaves again with one MkV running full out at 200W. Conditions to W8 were better than I expected so it never got really boring. Brenda (VA7CCF) would work 20 phone dry, I would do the same for cw and then it was her turn again. She left around 1900Z and I put a little more time in with a couple of breaks. I moved to 40 cw around 0010 and, while there were plenty of signals, no one could hear

me. Once I switched from the 80 dipole to the 40 things got better. Heard some signals on 80 but they couldn't hear me.

High Power Breakdown by Band/Mode

		PHONE							CW						
Callsign	QTH	75	40	20	15	10	mults	OH mults	80	40	20	15	10	mults	OH mults
AD6WL	CA	1	6	34	11	0	32	32	2	15	39	2	0	38	38
HA1AG	DX	0	1	28	0	0	21	21	0	4	26	0	0	25	25
K3MD/3	PA	6	2	0	0	0	8	8	17	6	1	0	0	17	17
K4BAI	GA	14	40	5	0	0	33	33	32	87	23	2	0	64	64
K4XU	OR	0	0	21	0	0	17	17	0	0	40	1	0	33	33
K5KG	FL	5	19	25	1	0	25	25	17	54	14	1	0	49	49
K9OM	FL	5	16	85	0	0	45	45	23	64	64	1	0	74	74
SP4JWR	DX	0	0	0	0	0	0	0	0	0	12	0	0	12	12
W4ARM	FL	0	0	10	0	0	9	9	0	24	8	0	0	25	25
W6KC	CA	0	0	19	7	0	19	19	0	0	16	1	0	15	15
W6RLL	AZ	0	1	10	1	0	12	12	1	12	17	1	0	29	29
W6YX	CA	0	3	13	2	0	14	14	0	18	22	3	0	29	29
KW8N	ERIE	0	42	66	0	0	43	12	0	71	32	0	0	47	15
N8HR	MUSK	175	151	82	0	0	93	46	0	0	0	0	0	0	0
N8TR	LORA	73	146	108	1	0	85	38	0	0	0	0	0	0	0
N8VW	DELA	59	134	77	14	1	79	33	75	118	69	5	0	65	28
N8VZ	ATHE	21	81	1	0	0	49	28	0	0	0	0	0	0	0
NC8V	ATHE	7	105	0	0	0	39	14	9	106	0	0	0	56	30
W8EX	DARK	71	108	92	7	2	83	37	90	166	61	10	1	88	46
W8GN	LAKE	78	75	57	2	0	75	35	109	93	83	4	0	73	30
W8KEN	CUYA	130	143	155	0	0	93	45	0	0	0	0	0	0	0

Low Power Breakdown by Band/Mode

		PHONE							CW						
Callsign	QTH	75	40	20	15	10	mults	OH mults	80	40	20	15	10	mults	OH mults

AA1KS	ME	0	0	59	0	0	38	38	0	0	8	0	0	8	8
AB7RW	WA	0	0	0	0	0	0	0	0	15	26	0	0	34	34
AK6DV	CA	0	0	7	0	0	7	7	0	0	0	0	0	0	0
DL5AWI	DX	0	0	0	0	0	0	0	0	0	24	0	0	22	22
DL5MC	DX	0	0	4	0	0	4	4	0	0	11	1	0	11	11
K0HW	SD	11	25	10	0	0	31	31	7	17	0	0	0	19	19
K0LWV	MO	0	0	0	0	0	0	0	0	15	4	0	0	17	17
K0SR	MN	5	10	3	0	0	12	12	5	20	4	0	0	22	22
K1KI	CT	0	0	0	0	0	0	0	6	19	4	0	0	21	21
K2PS	NJ	22	61	6	0	0	42	42	25	97	11	1	0	74	74
K3GY	PA	17	31	0	0	0	26	26	12	10	0	0	0	18	18
K4AMC	TN	5	16	0	0	0	16	16	8	33	0	0	0	32	32
K4IU	MN	0	6	1	0	0	7	7	0	13	0	0	0	13	13
K4UK	VA	0	0	0	0	0	0	0	13	48	0	0	0	42	42
K4WW	KY	10	39	0	0	0	31	31	13	35	0	0	0	31	31
K5OT	WI	0	0	0	0	0	0	0	36	130	4	0	0	83	83
K5WW	TX	0	5	22	0	0	22	22	0	0	0	0	0	0	0
K6DGW	CA	0	2	20	4	0	20	20	0	2	30	3	0	27	27
K8DD	MI	8	0	0	0	0	8	8	34	3	0	0	0	31	31
K8IR	MI	28	64	0	0	0	46	46	31	102	1	0	0	73	73
K9CW	IL	0	0	0	0	0	0	0	37	73	0	0	0	63	63
K9DXR	IL	0	37	0	0	0	29	29	0	0	0	0	0	0	0
K9JIG	WI	14	16	0	0	0	22	22	0	0	0	0	0	0	0
K9PG	IL	13	22	0	0	0	23	23	16	32	0	0	0	35	35
KD4GBA	CA	0	0	30	1	0	23	23	0	0	0	0	0	0	0
KD5MDO	LA	0	0	1	0	0	1	1	0	4	14	0	0	17	17
KD5TXL	OK	0	0	10	0	0	10	10	0	0	0	0	0	0	0
KF4ZEO	TN	4	44	0	0	0	34	34	0	1	0	0	0	1	1
KG4RZH	VA	5	8	0	0	0	9	9	0	0	0	0	0	0	0
KJ9C	IN	0	7	0	0	0	7	7	0	16	0	0	0	15	15
KK4TA	FL	1	1	43	0	0	29	29	0	0	7	0	0	7	7
KV5D	AR	0	13	14	0	0	18	18	0	29	18	0	0	34	34
N2CU	NY	28	35	0	0	0	35	35	34	40	1	0	0	44	44
N2ZU	NJ	11	33	0	0	0	28	28	12	42	0	0	0	42	42

N4NTO	NC	0	0	0	0	0	0	0	0	18	0	0	0	16	16
N4PN	GA	10	74	12	0	0	45	45	19	63	16	0	0	59	59
N7MAL	AZ	0	0	0	0	0	0	0	0	6	6	0	0	12	12
N9CO	CO	1	10	26	0	0	26	26	10	34	25	0	0	45	45
N9JF	IL	40	88	0	0	0	55	55	35	120	9	0	0	80	80
NA2X	NY	27	22	0	0	0	33	33	34	46	0	0	0	51	51
NA4K	TN	12	27	0	0	0	22	22	14	44	0	0	0	44	44
NC6P	CA	0	0	11	0	0	10	10	0	0	0	0	0	0	0
ND2T	CA	0	0	24	2	0	18	18	0	9	25	2	0	27	27
NN5A	TN	0	38	0	0	0	30	30	0	0	0	0	0	0	0
NO5W	TX	0	0	0	0	0	0	0	0	52	41	0	0	60	60
NU8Z	MI	26	24	0	0	0	27	27	14	33	3	0	0	35	35
NX9T	NC	18	17	0	0	0	27	27	0	0	0	0	0	0	0
PA3ARM	DX	0	0	0	0	0	0	0	0	0	9	1	0	9	9
VA3IX	ON	27	22	0	0	0	30	30	22	24	0	0	0	31	31
VE3NBJ	ON	17	38	0	0	0	31	31	28	80	0	0	0	63	63
W1NN	PA	18	100	0	0	0	60	60	34	103	6	0	0	74	74
W1TO	MA	0	0	0	0	0	0	0	28	40	1	0	0	38	38
W2CVW	NJ	0	6	0	0	0	6	6	3	40	0	0	0	39	39
W2LRO	NJ	2	14	0	0	0	12	12	2	28	0	0	0	23	23
W3BBO	PA	10	40	0	0	0	32	32	17	57	1	0	0	42	42
W4BCG	TN	2	8	0	0	0	7	7	0	0	0	0	0	0	0
W4DAN	TN	14	36	0	0	0	34	34	4	54	0	0	0	45	45
W4GFQ	MDC	14	21	0	0	0	20	20	0	0	0	0	0	0	0
W4NTI	AL	0	0	0	0	0	0	0	4	14	0	0	0	17	17
W4NZ	TN	0	0	0	0	0	0	0	9	16	0	0	0	20	20
W4TYU	TN	0	0	0	0	0	0	0	12	19	0	0	0	22	22
W4YA	FL	0	0	0	0	0	0	0	0	22	27	0	0	33	33
W4ZPR	VA	0	0	0	0	0	0	0	0	25	0	0	0	22	22
W5AC	TX	0	6	97	0	0	49	49	6	26	67	1	0	60	60
W6PRI	CA	0	0	4	0	0	4	4	0	0	12	0	0	12	12
W6ZZZ	CA	0	2	0	0	0	2	2	0	0	0	0	0	0	0
W8RU/3	PA	0	4	0	0	0	4	4	0	14	0	0	0	12	12
W8WAY	MI	1	47	0	0	0	37	37	0	0	0	0	0	0	0

W9RE	IN	0	15	0	0	0	11	11	0	19	0	0	0	18	18
WA4VAP	KY	0	11	0	0	0	9	9	0	2	0	0	0	2	2
WA5SWN	KS	0	0	16	0	0	14	14	0	0	0	0	0	0	0
WA5TRX	LA	0	2	30	0	0	23	23	0	0	1	0	0	1	1
WA6BOB	CA	0	0	0	0	0	0	0	0	0	10	0	0	10	10
WA7HDZ	WA	0	1	15	0	0	14	14	0	0	0	0	0	0	0
WN8P	KS	0	0	0	0	0	0	0	0	38	18	0	0	40	40
AB8NI	LAKE	68	71	23	1	1	66	37	13	13	2	0	0	20	18
AF8C	CUYA	0	4	4	1	0	7	3	14	44	31	0	0	41	11
K8AJS	WAYN	33	31	4	0	0	40	20	115	103	57	0	0	77	40
K8BL	LAKE	0	46	80	0	0	45	10	0	39	42	0	0	43	16
K8IJ	CLER	0	0	0	0	0	0	0	27	136	49	0	0	66	29
K8RYU	JACK	21	10	0	0	0	21	10	14	39	4	0	0	33	12
K8RYU	LAWR	0	63	0	0	0	33	19	0	60	8	0	0	40	20
K8RYU	MEIG	1	0	0	0	0	1	1	34	41	0	0	0	33	7
K8RYU	GALL	0	11	0	0	0	7	2	0	64	7	0	0	39	19
K8RYU	VINT	2	0	0	0	0	2	2	25	44	0	0	0	34	12
K8YN	COSH	0	57	0	0	0	30	9	0	0	0	0	0	0	0
K9NW	CHAM	56	75	29	1	1	61	27	103	183	59	4	1	98	59
KB8UUZ	PORT	94	17	16	0	0	55	36	0	0	0	0	0	0	0
KC4IYD	LORA	0	4	7	0	0	8	4	0	0	0	0	0	0	0
KC8OVB	ATHE	0	25	17	0	0	23	7	0	0	0	0	0	0	0
KC8TZR	HANC	0	15	2	0	0	11	4	0	0	0	0	0	0	0
KC8UTL	KNOX	16	10	0	3	0	26	19	0	0	0	0	0	0	0
KQ8RP	FRAN	89	52	9	0	0	66	39	0	0	0	0	0	0	0
KV0T	LAKE	67	58	44	0	0	61	30	0	0	0	0	0	0	0
N8GB	LAKE	0	79	0	0	0	36	15	0	0	0	0	0	0	0
N8GP	WASH	79	74	56	0	0	70	37	0	0	0	0	0	0	0
N8OT	BUTL	44	57	6	1	0	51	34	58	75	32	0	0	66	40
N8SK	ADAM	61	204	0	0	0	64	38	0	0	0	0	0	0	0
N8ST	BROW	44	82	2	0	0	51	30	0	0	0	0	0	0	0
N8UW	MONT	0	0	0	0	0	0	0	43	64	21	0	0	59	38
N8XWO	ATHE	38	65	6	0	0	51	33	0	0	0	0	0	0	0
ND8DX	MAHO	73	94	57	2	0	74	34	9	11	1	0	0	18	13

NS8O	MEIG	11	56	5	0	0	29	10	9	62	7	0	0	42	18
W8DD	MEDI	40	70	44	0	0	52	18	0	15	11	0	0	17	3
W8IDM	OTTA	0	0	0	0	0	0	0	51	51	0	0	0	42	16
W8IMF	CUYA	14	20	6	0	0	26	10	0	0	0	0	0	0	0
W8KIC	GEAU	0	0	0	0	0	0	0	48	90	0	0	0	53	22
W8KNO	PORT	39	41	15	0	0	56	41	0	1	0	0	0	1	1
W8PN	CUYA	0	0	0	0	0	0	0	49	8	24	0	0	43	20
W8TK	FRAN	0	0	0	0	0	0	0	9	33	1	0	0	30	13
W8VE	STAR	3	0	0	0	0	3	2	46	8	0	0	0	28	15
WA8MWA	FRAN	0	0	0	0	0	0	0	0	0	7	0	0	5	1
WA8YVF	CUYA	33	9	3	1	0	35	27	0	0	0	0	0	0	0
WD8NVN	FRAN	12	0	0	0	0	11	11	0	0	0	0	0	0	0
WT8C	LAKE	60	95	72	0	0	72	32	12	28	4	1	1	30	23
WT8E	ATHE	44	89	30	0	0	66	36	3	0	0	0	0	3	3

QRP Breakdown by Band/Mode

		PHONE							CW						
Callsign	QTH	75	40	20	15	10	mults	OH mults	80	40	20	15	10	mults	OH mults
K5IID	WV	24	15	0	0	0	23	23	31	33	1	0	0	41	41
KC8LTL	MI	3	3	0	0	0	5	5	5	15	0	0	0	17	17
KE9V	IN	0	0	0	0	0	0	0	9	16	1	0	0	20	20
NA3V	PA	8	26	0	0	0	26	26	6	35	0	0	0	27	27
W1KLM	AR	16	23	13	0	0	32	32	0	0	0	0	0	0	0
W3ZMN	PA	0	0	0	0	0	0	0	0	12	0	0	0	11	11
WA4PGM	VA	19	32	0	0	0	30	30	16	44	0	0	0	39	39
WA8ZBT	TX	0	7	34	1	0	28	28	4	25	42	1	0	48	48
K8GU	HOLM	9	40	3	0	0	31	15	28	118	37	0	0	65	28
W8TM	HAMI	0	0	0	0	0	0	0	0	198	0	3	0	80	50

Mobile Breakdown by Band/Mode

	PHONE	CW
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Callsign	QTH	75	40	20	15	10	mults	OH mults		80	40	20	15	10	mults	OH mults
AA8HH	LOGA	0	0	0	0	0	39	17		0	24	0	0	0	49	16
	MERC	0	0	8	0	0	39	17		0	12	6	0	0	49	16
	PAUL	0	2	0	0	0	39	17		0	16	0	0	0	49	16
	ALLE	5	2	3	0	0	39	17		1	9	1	0	0	49	16
	BUTL	0	12	1	0	0	39	17		0	12	3	0	0	49	16
	VANW	0	7	1	0	0	39	17		0	35	0	0	0	49	16
	PREB	0	15	9	0	0	39	17		0	6	0	0	0	49	16
	PUTN	1	4	2	0	0	39	17		0	12	0	0	0	49	16
	DARK	0	17	4	0	0	39	17		0	21	0	0	0	49	16
	CHAM	0	0	0	0	0	39	17		15	1	0	0	0	49	16
	HARD	2	0	0	0	0	39	17		0	26	0	0	0	49	16
AF8A	WOOD	0	1	0	0	0	24	4		12	11	0	0	0	64	24
	COSH	0	3	3	0	0	24	4		0	7	5	0	0	64	24
	WYAN	0	0	0	0	0	24	4		14	17	0	0	0	64	24
	PAUL	0	5	1	0	0	24	4		0	23	2	0	0	64	24
	FULT	0	0	0	0	0	24	4		3	19	0	0	0	64	24
	KNOX	0	2	5	0	0	24	4		0	11	7	0	0	64	24
	HARD	0	0	0	0	0	24	4		0	17	10	0	0	64	24
	HENR	0	0	0	0	0	24	4		22	30	0	0	0	64	24
	AUGL	0	0	0	0	0	24	4		0	18	9	0	0	64	24
	HOLM	0	0	1	0	0	24	4		0	5	8	0	0	64	24
	HANC	0	0	0	0	0	24	4		9	9	0	0	0	64	24
	ALLE	0	0	3	0	0	24	4		0	20	17	0	0	64	24
	LICK	0	2	0	0	0	24	4		0	10	8	0	0	64	24
	RICH	0	0	0	0	0	24	4		11	8	0	0	0	64	24
	DELA	0	0	0	0	0	24	4		0	21	14	0	0	64	24
	LOGA	0	2	0	0	0	24	4		0	8	14	0	0	64	24
	CRAW	0	0	0	0	0	24	4		14	13	0	0	0	64	24
	PUTN	0	0	4	0	0	24	4		4	22	5	0	0	64	24
	MARI	0	1	0	0	0	24	4		0	10	16	0	0	64	24
	DEFI	0	0	0	0	0	24	4		0	16	0	0	0	64	24

	MORR	0	2	0	0	0	24	4	0	11	11	0	0	64	24
	WILL	0	0	0	0	0	24	4	0	21	0	0	0	64	24
	UNIO	0	5	0	0	0	24	4	0	21	10	0	0	64	24
K8MR	MUSK	0	0	0	0	0	30	10	2	33	0	0	0	60	21
	HARR	0	1	0	0	0	30	10	0	16	7	0	0	60	21
	WAYN	0	0	0	0	0	30	10	0	6	0	0	0	60	21
	ATHE	0	1	0	0	0	30	10	0	28	18	0	0	60	21
	COSH	0	3	0	0	0	30	10	11	27	0	0	0	60	21
	NOBL	0	6	2	0	0	30	10	0	25	16	0	0	60	21
	BELM	0	0	2	1	0	30	10	0	17	18	0	0	60	21
	LICK	0	0	0	0	0	30	10	17	31	0	0	0	60	21
	MONR	0	6	1	0	0	30	10	0	37	7	0	0	60	21
	HOCK	0	2	0	0	0	30	10	0	23	15	0	0	60	21
	RICH	0	0	0	0	0	30	10	25	8	0	0	0	60	21
	FAIR	0	2	0	0	0	30	10	3	43	1	0	0	60	21
	CARR	0	1	0	0	0	30	10	0	8	7	0	0	60	21
	ASHL	0	0	0	0	0	30	10	29	15	0	0	0	60	21
	GUER	0	1	2	0	0	30	10	0	19	7	0	0	60	21
	HOLM	0	0	0	0	0	30	10	2	20	0	0	0	60	21
	TUSC	0	1	0	0	0	30	10	0	11	4	0	0	60	21
	KNOX	0	0	0	0	0	30	10	16	28	0	0	0	60	21
	MORG	0	17	6	0	0	30	10	0	30	14	0	0	60	21
	MEDI	0	0	0	0	0	30	10	24	5	0	0	0	60	21
	PERR	0	8	3	0	0	30	10	9	33	3	0	0	60	21
KJ9C	PREB	0	1	0	0	0	18	7	0	24	6	0	0	44	11
	AUGL	0	2	1	0	0	18	7	0	16	10	0	0	44	11
	MIAM	0	4	1	0	0	18	7	0	14	11	0	0	44	11
	MERC	0	7	3	0	0	18	7	0	16	7	0	0	44	11
	CLAR	0	2	0	0	0	18	7	0	20	4	0	0	44	11
	VANW	0	2	1	0	0	18	7	0	4	2	0	0	44	11
	DARK	0	5	2	0	0	18	7	0	9	0	0	0	44	11
	PUTN	0	2	0	0	0	18	7	0	2	8	0	0	44	11

	SHEL	0	1	2	0	0	18	7	0	13	9	0	0	44	11
	MONT	0	2	0	0	0	18	7	0	17	7	0	0	44	11
	ALLEN	0	3	3	0	0	18	7	0	11	1	0	0	44	11
KU8E	CLIN	0	0	0	0	0	0	0	0	17	0	0	0	65	25
	PREB	0	0	0	0	0	0	0	0	14	9	0	0	65	25
	GREE	0	0	0	0	0	0	0	0	29	0	0	0	65	25
	WARR	0	0	0	0	0	0	0	0	17	1	0	0	65	25
	BUTL	0	0	0	0	0	0	0	0	20	11	0	0	65	25
	PIKE	0	0	0	0	0	0	0	0	32	5	0	0	65	25
	HAMI	0	0	0	0	0	0	0	0	23	7	0	0	65	25
	BROW	0	0	0	0	0	0	0	0	24	13	0	0	65	25
	ROSS	0	0	0	0	0	0	0	0	44	8	0	0	65	25
	ADAM	0	0	0	0	0	0	0	0	34	13	0	0	65	25
	PICK	0	0	0	0	0	0	0	0	31	5	0	0	65	25
	CLER	0	0	0	0	0	0	0	0	36	16	0	0	65	25
	HIGH	0	0	0	0	0	0	0	0	31	6	0	0	65	25
	FAYE	0	0	0	0	0	0	0	0	26	7	0	0	65	25
W8CAR	LAKE	0	0	0	0	0	19	4	0	17	0	0	0	62	21
	MONR	0	7	0	0	0	19	4	0	19	11	0	0	62	21
	PORT	0	0	0	0	0	19	4	26	20	0	0	0	62	21
	NOBL	0	2	0	0	0	19	4	0	12	9	0	0	62	21
	TUSC	0	0	0	0	0	19	4	14	29	0	0	0	62	21
	TRUM	0	2	0	0	0	19	4	0	21	3	0	0	62	21
	STAR	0	0	0	0	0	19	4	2	28	0	0	0	62	21
	HARR	0	4	0	0	0	19	4	0	26	3	0	0	62	21
	JEFF	0	0	0	0	0	19	4	0	28	2	0	0	62	21
	WASH	0	9	0	0	0	19	4	0	38	18	0	0	62	21
	COLU	0	0	0	0	0	19	4	0	25	3	0	0	62	21
	ASHT	0	4	0	0	0	19	4	0	26	4	0	0	62	21
	GUER	0	2	1	0	0	19	4	0	19	14	0	0	62	21
	BELM	0	6	0	0	0	19	4	0	22	11	0	0	62	21
	MAHO	0	0	0	0	0	19	4	0	21	6	0	0	62	21

	GEAU	0	0	0	0	0	19	4	0	20	0	0	0	62	21
	CARR	0	0	0	0	0	19	4	6	22	2	0	0	62	21
W8UE	SENE	0	0	0	0	0	0	0	4	12	0	0	0	51	18
	PAUL	0	0	0	0	0	0	0	0	8	7	0	0	51	18
	WILL	0	0	0	0	0	0	0	0	7	4	0	0	51	18
	ERIE	0	0	0	0	0	0	0	0	13	3	0	0	51	18
	WOOD	0	0	0	0	0	0	0	0	12	6	0	0	51	18
	DEFI	0	0	0	0	0	0	0	0	16	4	0	0	51	18
	HENR	0	0	0	0	0	0	0	0	15	6	0	0	51	18
	CRAW	0	0	0	0	0	0	0	2	4	0	0	0	51	18
	FULT	0	0	0	0	0	0	0	0	17	2	0	0	51	18
	HURO	0	0	0	0	0	0	0	0	21	0	0	0	51	18
	LUCA	0	0	0	0	0	0	0	0	6	10	0	0	51	18
	SAND	0	0	0	0	0	0	0	0	10	0	0	0	51	18
	OTTA	0	0	0	0	0	0	0	0	18	6	0	0	51	18
WB6JBM	CLIN	3	2	0	0	0	26	12	0	0	0	0	0	0	0
	ROSS	5	5	0	0	0	26	12	0	0	0	0	0	0	0
	BUTL	2	0	0	0	0	26	12	0	0	0	0	0	0	0
	ADAM	0	13	0	0	0	26	12	0	0	0	0	0	0	0
	FAYE	5	0	0	0	0	26	12	0	0	0	0	0	0	0
	BROW	0	13	0	0	0	26	12	0	0	0	0	0	0	0
	GREE	2	0	0	0	0	26	12	0	0	0	0	0	0	0
	CLER	0	5	0	0	0	26	12	0	0	0	0	0	0	0
	JACK	1	0	0	0	0	26	12	0	0	0	0	0	0	0
	HAMI	1	1	0	0	0	26	12	0	0	0	0	0	0	0
	WARR	7	0	0	0	0	26	12	0	0	0	0	0	0	0
	HIGH	0	10	0	0	0	26	12	0	0	0	0	0	0	0
	PIKE	0	6	0	0	0	26	12	0	0	0	0	0	0	0
	SCIO	0	5	0	0	0	26	12	0	0	0	0	0	0	0
WD8LQB	BUTL	0	3	0	0	0	31	19	0	0	0	0	0	3	0
	PAUL	9	1	0	0	0	31	19	0	0	0	0	0	3	0
	MERC	5	3	5	0	0	31	19	0	0	2	0	0	3	0
	DEFI	12	1	0	0	0	31	19	0	0	2	0	0	3	0

	DARK	2	2	1	0	0	31	19	0	0	0	0	0	3	0
	VANW	2	2	1	0	0	31	19	0	0	0	0	0	3	0
	PREB	3	5	2	0	0	31	19	0	0	0	0	0	3	0
	HAMI	0	4	0	0	0	31	19	0	0	0	0	0	3	0

Multi-Op Breakdown by Band/Mode

Callsign	QTH	PHONE							CW						
		75	40	20	15	10	mults	OH mults	80	40	20	15	10	mults	OH mults
HA7UG	DX	0	0	1	0	0	1	1	0	6	13	0	0	16	16
KG4NWS	SC	18	97	3	0	0	54	54	0	0	0	0	0	0	0
VE7FO	BC	0	1	28	0	0	22	22	0	21	35	0	0	42	42
AD8J	JEFF	113	194	214	11	0	97	47	94	172	101	9	0	84	40
AD8P	ALLE	88	89	7	0	0	60	30	103	50	20	0	0	61	28
K8O	LUCA	127	326	508	54	0	107	51	134	239	143	24	0	98	50
K8RT	RICH	11	72	12	0	0	48	28	0	0	2	0	0	2	1
KC8RSA	ALLE	40	39	6	0	0	48	21	0	0	0	0	0	0	0
N8XX	BROW	10	128	34	4	0	62	26	30	101	44	1	0	60	28
W8AL	STAR	38	51	6	4	0	44	19	1	19	0	0	0	11	0
W8BD	WILL	81	66	37	5	0	69	31	48	46	14	0	0	43	16
W8FY	VANW	100	47	12	10	0	67	35	0	46	0	3	0	27	10
W8ID	SENE	43	0	32	0	0	38	23	0	0	0	0	0	0	0
W8VND	HAMI	66	105	36	0	0	69	36	2	153	0	0	0	60	28
W8WE	RICH	8	1	9	0	0	13	8	0	10	0	0	0	9	6
WO8HIO	RICH	112	251	221	0	0	91	41	19	35	8	0	0	31	10
WW8OH	LICK	77	4	184	16	0	75	30	0	0	0	0	0	0	0

QSO's by County

County	QSO's
LAKE	718
LUCA	516
CUYA	459
BUTL	454

ATHE	411
JEFF	375
HAMI	343
DARK	334
WAYN	325
CHAM	322
RICH	308
ALLE	291
LORA	263
DELA	261
MUSK	248
BROW	247
SUMM	244
VANW	228
WASH	212
PORT	188
WILL	180
CARR	177
CLER	175
FRAN	175
HOLM	166
TRUM	158
LICK	150
STAR	150
ADAM	149
OTTA	146
ASHL	139
MEIG	138
HANC	137
MAHO	129
KNOX	117
MONT	117
MEDI	114
BELM	104

GEAU	95
ERIE	89
LAWR	72
WARR	70
MERC	66
SENE	66
GALL	63
MONR	57
COSH	56
HURO	56
JACK	55
PREB	54
HIGH	53
ASHT	51
LOGA	51
NOBL	50
GREE	48
TUSC	44
HENR	42
VINT	42
AUGL	41
PAUL	40
CLIN	39
GUER	38
ROSS	38
HARD	36
MIAM	36
SCIO	36
HARR	34
MORG	34
CRAW	32
PUTN	32
DEFI	31
PERR	31

WOOD	30
FULT	29
UNIO	28
HOCK	26
FAIR	25
PICK	24
MARI	23
COLU	22
PIKE	22
SHEL	22
FAYE	20
WYAN	18
MORR	17
CLAR	14
SAND	11
MADI	0

QSO's by State/Province

State/Province	QSO's	State/Province	QSO's
PA	1441	AL	92
TX	985	BC	87
FL	893	ME	84
CA	886	SD	82
IL	830	UT	80
MI	687	LA	78
NJ	635	MS	56
TN	579	OK	52
NY	545	WY	50
WI	494	NH	49
GA	432	MT	41
VA	427	HI	40
IN	309	NV	36
ON	307	NB	34

NC	289	RI	30
CO	284	ID	29
DX	279	VT	24
WV	218	ND	19
MN	214	NE	16
MA	206	DE	14
WA	176	QC	14
KY	169	AB	9
CT	141	AK	7
AR	140	NS	6
SC	134	SK	5
AZ	130	MB	2
MO	130	NF	1
MD	125	NWT	1
OR	124	PEI	1
KS	100		
IA	95		
NM	93		