

Hilltop Transmitting Association

W3ZGD


Celebrating the Club's 60th Anniversary as the 2013 PAQP Bonus Station

2013 Pennsylvania QSO Party Summary

[12-13 October, 2013]

Category	<ul style="list-style-type: none"> • Multi-Band/Multi-Operator • Hours on air: 22 hours • Claimed score: 456,315 • Number of QSOs: 2267
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Operators: N3XUD, KB3STA, WA1HEW, KO3T, WS3C,
N3IQ, K3MSB, N3VQH, K3JPT, N3CU, K3NK, K4JLD, N3NRN

Stats: 

	160	80	40	20	15	10	6	2	Total
QSOs	34	472	798	669	239	45	6	4	2267
<i>SSB QSO's</i>	24	276	526	424	103	25	5	-	1380
<i>CW QSO's</i>	7	189	257	215	127	4	1	-	800
<i>RTTY QSO's</i>	-	4	9	7	8	16	-	-	44
<i>PSK31 QSO's</i>	3	3	6	23	1	-	-	-	36
<i>FM QSO's</i>	-	-	-	-	-	-	-	4	4
DXCC	1	6	5	25	22	15	1	1	36
CQ Zones	2	6	5	10	9	7	1	1	13
US States	4	23	40	41	22	10	2	1	48
<i>States CW</i>	1	30	36	33	22	10	1	0	41
<i>States SSB</i>	4	23	36	36	22	10	2	1	48
<i>States Digital</i>	2	5	1	12	3	0	0	0	18

<p>QSO rates/hr</p>	<p>Average hourly QSO rate across contest = 103.77 QSOs/hour</p> <p>Highest Hourly rates</p> <p>Day 1 1600z 213 QSOs</p> <p>Day 1 1700z 183 QSOs</p> <p>Day 1 1800z 176 QSOs</p> <p>Day 1 2300z 169 QSOs</p> <p>The best 60 minute rate was 220/hour from 1608 to 1707</p> <p>The best 30 minute rate was 252/hour from 1616 to 1645</p> <p>The best 10 minute rate was 282/hour from 1636 to 1645</p> <p>The best 1 minute rates were:</p> <p>7 QSO's/minute 2 times.</p> <p>6 QSO's/minute 13 times.</p> <p>5 QSO's/minute 46 times.</p> <p>4 QSO's/minute 101 times.</p> <p>3 QSO's/minute 165 times.</p> <p>2 QSO's/minute 303 times.</p>
<p>Most worked Areas</p>	<p>PA -- 820 36.0%</p> <p>DX -- 98 4.3%</p> <p>VA -- 88 3.9%</p> <p>TN -- 58 2.6%</p> <p>AZ -- 54 2.4%</p> <p>IL -- 54 2.4%</p>

Miscellaneous Stats:

- Number of **Pennsylvania Counties** worked = **67 of 67**
- Number of ARRL Sections worked = 76 of 84
(missed AK, HI, NL, NU, PE, QC, YT, VI)
- Number of Unique callsigns worked: 1425
- QSOs worked on Oct 12 = 1265
- QSOs worked on Oct 13 = 1002
- Points: CW/Digital = 880 QSOs/**1760** SSB = 1387 QSOs/**1387** points
- Most productive band – CW : 40m (257 QSOs)
- Most productive band – SSB : 40m (526 QSOs)
- Most productive band – Digital : 20m (30 QSOs)
- CQ Zones worked = 13 (2, 3, 4, 5, 6, 7, 8, 14, 15, 16, 20, 25, 33)
- Most worked station – **in state:**
 - **K3IR** (14) *LAN: 160 PSK31, 80 PSK31, 80 RTTY, 80 CW, 80 SSB, 40 CW, 40 SSB, 40 PSK31, 40 RTTY, 20 CW, 15 CW, 10 SSB, 10 CW, 6 SSB (worked on seven bands and all four modes!!!)*
 - Honorable mention **N3KAE** (12) *WYO*
- Most worked **Rover:**
 - **K8RYU/R** (17) from ADA, BED, FAY, FUL, FRA, HUN, JUN, PER
 - Honorable mention **N2CU/r** (16) 80 & 40m SSB/CW from BUT, CLA, CRN, ELK, ERI, FOR, LAW, MCK, MER, WAR
- Most worked station **outside PA:**
 - WW8OH (8) OH 160 SSB, 80 SSB, 80 CW, 40 SSB, 40 CW, 20 SSB, 20 CW, 15 CW
 - Honorable mention
 - W7LKG (7) WWA 80 CW, 40 SSB, 40 CW, 20 SSB, 20 CW, 15 CW, 15 SSB
 - K5YAA (6) OK 80 CW, 40 CW, 20 SSB, 20 CW, 15 CW, 15 SSB
 - KU8E (6) GA 80 SSB, 80 CW, 40 CW, 40 SSB, 20 SSB, 20 CW
 - N4PN (6) GA 80 SSB, 80 CW, 40 CW, 40 SSB, 20 SSB, 20 CW
- Most worked **DX station:**
 - **DK2OY** (4) 15 CW, 15SSB, 20 SSB, 20 CW
 - **DL3GA** (4) 40 CW, 20 CW, 15 CW, 10 CW

QSOs worked by band and mode:

Band	Mode	QSOs	Points	Mult	Mult2
160	CW	7	14	0	0
160	SSB	24	24	0	0
160	PSK31	3	6	0	0
80	SSB	276	276	5	0
80	CW	189	378	0	0
80	PSK31	3	6	0	0
80	RTTY	4	8	0	0
40	SSB	526	526	53	1
40	CW	257	514	27	0
40	PSK31	6	12	0	0
40	RTTY	9	18	4	1
20	SSB	424	424	30	0
20	CW	215	430	2	0
20	PSK31	23	46	0	0
20	RTTY	7	14	1	0
15	CW	127	254	7	0
15	SSB	103	103	6	0
15	PSK31	1	2	0	0
15	RTTY	8	16	0	0
10	CW	4	8	1	0
10	RTTY	16	32	0	0
10	SSB	25	25	7	0
6	CW	1	2	0	0
6	SSB	5	5	0	0
2	FM	4	4	0	0
TOTAL		2267	3147	143	2

Hourly QSO Rates by Band

Day 1										
Hour	160m	80m	40m	20m	15m	10m	6m	2m	Hour Rate	Running Total
16	-	-	131	55	25	2	-	-	213	213
17	-	10	102	21	40	9	1	-	183	396
18	-	10	32	97	20	17	-	-	176	572
19	-	14	58	12	31	-	-	-	115	687
20	-	24	46	70	-	-	-	-	140	827
21	-	25	64	34	24	-	-	2	149	976
22	-	37	45	34	4	-	-	-	120	1096
23	-	62	60	46	1	-	-	-	169	1265
Day 2										
00	-	81	33	22	-	-	-	-	136	1401
01	1	73	8	12	-	-	-	-	94	1495
02	7	29	-	1	-	-	-	1	38	1533
03	26	32	10	-	-	-	-	1	69	1602
04	-	30	7	-	-	-	-	-	37	1639
05	Contest Off Period									1639
06										1639
07										1639
08										1639
09										1639
10										1639
11										1639
12										1639
13	-	15	47	11	-	7	-	-	80	1719
14	-	3	12	21	6	4	-	-	46	1765
15	-	1	19	12	7	5	5	-	49	1814
16	-	2	36	41	2	-	-	-	81	1895
17	-	1	19	10	21	1	-	-	52	1947
18	-	1	22	49	18	-	-	-	84	2031
19	-	-	10	37	27	-	-	-	74	2105
20	-	6	21	49	3	-	-	-	79	2184
21	-	16	16	41	10	-	-	-	83	2267
Total	34	472	798	669	239	45	6	4		

Hourly QSO Rates by Mode

Hour	Total	CW	FM	SSB	RTTY	PSK31	Hour Rate	Running Total
16	213	75	-	134	3	1	213	213
17	183	53	-	127	2	1	183	396
18	176	80	-	95	1	-	176	572
19	115	44	-	71	-	-	115	687
20	140	22	-	114	-	4	140	827
21	149	43	2	102	2	-	149	976
22	120	48	-	68	4	-	120	1096
23	169	72	-	89	1	7	169	1265
00	136	59	-	72	-	5	136	1401
01	94	41	-	48	3	2	94	1495
02	38	-	1	30	3	4	38	1533
03	69	30	1	38	-	-	69	1602
04	37	11	-	24	1	1	37	1639
13	80	31	-	42	7	-	80	1719
14	46	17	-	21	7	1	46	1765
15	49	2	-	42	5	-	49	1814
16	81	18	-	56	3	4	81	1895
17	52	30	-	22	-	-	52	1947
18	84	40	-	44	-	-	84	2031
19	74	37	-	37	-	-	74	2105
20	79	21	-	52	1	5	79	2184
21	83	26	-	55	1	1	83	2267
Total	2267	800	4	1383	44	36		

QSOs per bands and modes

(percentage = % of unique calls)

	80m	6m	40m	20m	160m	15m	10m	Total
CW	191	1	257	215	7	127	4	802 (464=57.9%)
DIG	4		9	7		8	16	44 (43=97.7%)
FM				4				4 (4=100%)
PK	3		6	23	3	1		36 (34=94.4%)
SSB	276	5	526	424	24	103	25	1383 (1049=75.8%)
Total	474 82.1%	6 83.3%	798 84.7%	673 95.4%	34 97.1%	239 93.3%	45 97.8%	2269 1425=62.8%