

The W3PIE Newsletter

October 2022

Summarizing just a few of the things that are going on at the Uniontown Amateur Radio Club:



PRESIDENT'S MESSAGE – Bunny Horvath, WA3NGA

Hello to all members and newsletter recipients as well. Not a lot to comment on this edition but there are a few things that I would like to mention:

1 - We held a simulated disaster drill on the 1st of October and for the most part it went pretty well. We had a total of 18 check ins that participated in the drill which I feel was a pretty good turn out. We did find that we have some problems with the emergency backup power as well as the battery backup power and the e-comm group is going to address those issues. It is best we find out about these problems during a drill and not during an actual emergency.

2- We have been mentioning on the Thursday night net that there is some equipment at the club that is free for the taking. If you are interested in any of this equipment please let me know because these things aren't going to be hanging around for ever. We are in the process of cleaning up at the club and stuff that has just been sitting around taking up space for years has to go. We want to update and modernize the club, which we have been doing, but quite frankly the relics have to go, we need the space.

3- I know that it is down the road a ways but the Christmas Party will be here before we know it. As of this time I haven't received very many reservations and we need to know how many people to plan for. PLEASE R.S.V.P. to officers@w3pie.org as soon as possible if you plan to attend so that we can get things progressing with the party, I'm sure all that attend will have a good time. Again, the date for the Christmas Party is December 17th at 6:30pm at the W3PIE Clubhouse. This will be a covered dish party, so we need to get the wheels in motion.

4- Just a reminder, the elections will be coming up very shortly, put on you thinking caps and encourage some new faces to get involved in the activities taking place at W3PIE. We need some new, young blood involved to keep the club on a positive course.

5- Last, but not least. The club is growing, with new members, new activities, and new equipment. If you have a friend or acquaintance that belongs to the club and hasn't been around for a while or you know of someone that may be interested in joining the club, please encourage them to attend one of our meetings. We most graciously welcome old friends and new friends alike.

Boy, I sure can get rambling sometimes, I guess. Anyway, 73 to all and please find It in your heart to help with the activities at OUR CLUB.

BUNNY

President - W3PIE

GENERAL MEMBERSHIP MEETING

On Wednesday, October 5th we will gather at 19:30 to conduct the business of the club, as well as get together with friends. Have you noticed how many cars, trucks, and SUVs appear at W3PIE on Wednesdays? It's like old times! We hope that you are one of the ones we see there!

WAYS AND MEANS

On Wednesday, October 19th, we will meet to plan our agenda for the remainder of 2022 and the upcoming year. This is another excellent opportunity to catch up with a growing number of your fellow club members. As always, guests are encouraged.

TECH WEDNESDAY

Many thanks to Cory Sickles, WA3UVV, for his closer look at oscilloscopes. Those in attendance learned more about the versatility of a good O'scope, what to look for when shopping for a new or gently used model, the importance of the correct probes, and more.

This month, wer will not hold Tech Wednesday on Octoberber 26th. Instead, since we bumped the EMCOMM meeting from the 12th, they are invited to assemble at the clubhouse on this evening, so as not to disturb their rhythm all too much.

Tech Wednesday will then take off for the Thanksgiving and Christmas holidays – to resume in January 2023 with an updated schedule. If you have suggestions for programs or topics, please let us know.

BRING A FRIEND – MEMBERSHIP BUILDING

Do you know someone at work or a fellow member of some other organization you are associated with that may be interested in becoming an active member of the amateur radio community, as well as an important member of our growing Club?

How about a friend who is already a ham but doesn't regularly attend meetings? A gentle reminder or offer to give them a ride may encourage interest and possibly help them (once again) become active on the air.

SIXTY-FIVE YEARS AGO THIS MONTH – A WORLD EVENT

If you had a shortwave radio in October of 1957, chances are you were tuning it to 20.005 megacycles (Mega Hertz hadn't been invented yet) to listen to a doppler-shifting "beep...beep...beep..." and looking toward the evening sky for a metallic reflection.

The Soviet Union launched the first artificial satellite – Sputnik – on October 4th. Circling the earth approximately every 90 minutes, this was one of the more significant events in The Race for Space and ultimately the goal of landing a man on the moon.

While most believed they were seeing the reflection of the satellite, it was actually the last stage of the booster – a modified Soviet ICBM – as Sputnik was too small to see from such a distance.

As a testament to the ingenuity of hams, it would be just over four years before the first OSCAR (Orbital Satellite Carrying Amateur Radio) found its way into orbit in December of 1961 – sending out a friendly "HI" on the lower end of the 2 meter band. But that is a story for another time...



RILEY HOLLINGSWORTH IS COMING TO VISIT

On Wednesday, October 12th at 19:00, we will meet at the clubhouse for a presentation from Riley Hollingsworth, K4ZDH – via ZOOM. He will be speaking about the Volunteer Monitoring program, which has become a successful effort to correct some bad behavior on the bands, as well as current ways to recognize and encourage good practices.

A full house turnout is strongly encouraged.



I WAS JUST THINKING – Jeff Martin

I was, like most hams I suppose; thinking about antennas. My antenna farm is horribly limited and this fact alone leaves me wanting to do more. The one thing I did to ensure I could get on all of the HF bands was to purchase an OCF 6-160 meter dipole. An Imax 2000 for vertical work on 10 meters and the prerequisite, 144/440 base antenna for repeater contacts. The OCF dipole like most antennas is a compromise and has its limitations but all the bands are covered to whatever extent the multiple lobes will effectively radiate my signal. It will have to do.

Now to the point of my blabbering! What if I could only operate on three HF bands? Which, of all the bands available to US amateur operators would I choose? Oh man! This is one of those things that can cause me to lie awake at night preventing me from getting the much needed beauty sleep I so desperately require!

Which bands would I choose? Well! I really do like 10 meters. It's not open a lot but when it is, it can be wide open and the contacts can be far reaching. Besides that, I would need 10 meters to talk to my friends on the Snowbird net. 20 meters. Yep! Gotta have 20 for the consistency of making DX contacts around the world so 20 is a must! Now it gets really tough! 40, 80 or 160? Hmmmmmm..... I'm often times on 80 and have met a good many folks that I like to talk to on occasion. I seldom find myself on 160 but when I do get on, I like the conversations that take place rather than the quick exchange of signal reports. Finally, there's 40. I don't spend near as much time on 40 as I should. It's a great band with great possibilities for both distant contacts and good conversation.

Well! It looks like it is going to be another long night, lying awake and pondering this particular quandary. What? You didn't expect me to tell you my decision immediately, did you? I'm hoping this might give us something to discuss on .045 so lay out your plan and tell us all what you might do in this unlikely scenario. Until next time.

TRADING POST

This section is open to members who are wishing to sell, trade, or acquire ham radio related items. Please contact the listing member directly through the information provided.

MFJ-954E Compact Mobile Antenna Tuner - \$100 (\$125 @ Gabfest)
In box. Only used 2 months. Went with auto tuner

Contact Mark, K3PPP – Mark@[pintoponyphotography.com](mailto:Mark@pintoponyphotography.com)

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Icom ic2300 65 Watt 2 meter mobile \$150

Icom IC-86 2 meter handheld with all accessories \$115

(2) Yaesu FTM200 digital 50 watt mobiles. Like new in box. \$329 each.

Yaesu FT70 Dr dual band digital handheld with spare battery, fast charge cradle, speaker mic, carry case. Like new in box. \$250.

Yaesu VX6R Dual band handheld. Extra battery, fast charging cradle, speaker mic, and carry case. Like new in box. \$329.

Call Barry, NJ3X on 147.045 repeater or 7245707845 text.

SUPPORT W3PIE THROUGH AMAZON

An additional way to support our club is to designate UARC as your charity of choice, when shopping through the www.smile.amazon.com portal. A small percentage (which adds up) of your purchase goes to support us, as we are a registered non-profit 501©(3) organization. Best of all, there's no cost to you.

CALENDAR FOR 2022 ACTIVITIES – Jim Kenney, KC3BHN

Day	January
1	New Years Day
5	W3PIE Reg Meeting
17	Martin L King
19	W3PIE W&M Meeting
26	W3PIE Workshop
29	Winter Field Day
30	Winter Field Day

Day	February
2	Groundhog Day
2	W3PIE Reg Meeting
6	VE Testing
14	Valentines Day
19	W3PIE W&M Meeting
21	Presidents Day
23	W3PIE Workshop

Day	March
2	W3PIE Reg Meeting
	Daylight Savings Starts
14	Daylight Savings Starts
16	W3PIE W&M Meetings
17	St. Patrick's Day
20	Spring Begins
23	W3PIE Workshop

Day	April
6	W3PIE Reg Meeting
15	Tax Day
20	W3PIE W&M Meeting
27	W3PIE Workshop
TBA	DX Road Trip

Day	May
4	W3PIE Reg Meeting
8	Mothers Day
15	VE Testing
18	W3PIE W&M Meeting
25	W3PIE Workshop
29	Memorial Day
TBA	DX Road Trip

Day	June
1	W3PIE Reg Meeting
14	Flag Day
15	W3PIE W&M Meeting
19	Father's Day
20	Summer Begins
22	W3PIE Workshop
25	Summer Field Day
26	Summer Field Day

Day	July
1-7	13 Colonies Contest
4	Independence Day
6	W3PIE Reg Meeting
20	W3PIE W&M Meeting
27	W3PIE Workshop

Day	August
3	W3PIE Reg Meeting
7	DX Eng. Hamfest
13	Gabfest
13	Extra VE Testing
17	W3PIE W&M Meeting
24	W3PIE Workshop

Day	September
7	W3PIE Reg Meeting
4	VE Testing
5	Labor Day
21	W3PIE W&M Meeting
22	Fall Begins
28	W3PIE Workshop

Day	October
5	W3PIE Reg Meeting
8-9	PA QSO Party
10	Columbus Day
19	W3PIE W&M Meeting
15-16	BSA JOTA
19	W3PIE W&M Meeting
26	W3PIE Workshop
31	Halloween

Day	November
2	W3PIE Reg Meeting
	Daylight Savings Ends
11	Veterans Day
16	W3PIE W&M Meeting
24	Thanksgiving

Day	December
3	W3PIE Xmas Party
7	W3PIE Reg Meeting
4	VE Testing
21	W3PIE W&M Meeting
21	Winter Begins
24	Christmas Eve
25	Christmas
31	New Years Eve

NETS

The Uniontown ARC holds the Information and Traffic Net on the 147.045 MHz repeater, every Thursday evening at 21:00. Should the 147.045 MHz repeater be inoperative or become inoperative, wait two (2) minutes then tune to the backup repeater, which is 145.170 MHz.







Detailed repeater information such as mode capabilities and offset / PL tone can be found [HERE](#)

In addition, the Keystone-Wide net occurs at 20:00 on Sunday nights, accessible through WIRES-X room 60328. Any System Fusion radio that can reach the Club's 443.750 MHz repeater is your ticket to participate. (We now have that capability on the 147.255 MHz machine, as well). Repeaters and nodes from the western and eastern sections of Pennsylvania are connected to Keystone-Wide. In addition, we have had check-ins from as far away as Australia.

The network is up at all times, so give a call and see who you might be able to chat with - local and not so local. To see the list of repeaters and nodes connected in real time, please visit [Live WiresX Connections \(w3kwh.net\)](#). Special thanks to Christine Rial, N3LRG, for creating this user-friendly resource.

The motivation for Keystone-Wide was to establish a statewide digital voice intercom that allows hams from one area to conveniently meet each other, share ideas, bring clubs together, and generally improve our greater amateur radio community. It can also serve public service efforts such as SKYWARN, when severe weather systems are moving through multi-county areas.

Whenever you are in your shack or just driving around, please tune your System Fusion radio to one of the supporting repeaters or nodes. Throwing out your call or responding to someone else's helps to increase activity and bring more points of presence into this valuable resource.

	Callsign	Node Name	Node Number	City	State	Country	Map	Node Comments
1	K3LV/R	K3LV-RPT	55931	Manheim	Pennsylvania	USA		447.925 mHz K3LV repeater
2	K3MI	K3MI-ND	50177	Finleyville	Pennsylvania	USA		
3	K3MJW	K3MJW-RPT	11845	New Kensington	Pennsylvania	USA		
4	KD3XM	KD3XM-ND2	73699	Rural Valley	Pennsylvania	USA		
5	KK4SGQ	KK4SGQ-ND	70853	GOODE	Virginia	USA		
6	N3BJY	N3BJY-RPT	33491	Evans City	Pennsylvania	USA		
7	W3HH	W3HH-ND2	52899	Ocala	Florida	USA		
8	W3KWH	W3KWH-RPT	33352	Carnegie	Pennsylvania	USA		Steel City ARC Repeater 444.450 Mhz
9	W3PIE	W3PIE-ND	50328	Uniontown	Pennsylvania	USA		
10	W3TXG	W3TXG-TOM	74263	Seven Fields	Pennsylvania	USA		

Sample listing of Keystone-Wide's connected repeaters and nodes

YOUR IDEAS

Are there some things that you would like to get involved with at the Club? Are there topics you would like to suggest for Tech Wednesdays? Would you like to know more about the stations we have, that are available for member use? Do you have some questions on antennas, digital modes, some new (to you) aspect of ham radio, upgrading your license, helping to mentor others, etcetera? Then come on out and let us know. Or, just send an email to: officers@w3pie.org with the details.

CARTOON – WES, KC3RFO



THE W3PIE STATION RESOURCES – A REMINDER

Most radio clubs do not have their own property, nor do they have any sort of a club station at some shared location, such as a firehouse, church, or Red Cross office. While many members of the Uniontown ARC may take it for granted, the equipment and antenna farm that we have on our own property is “drool worthy” to nearly all of our visitors.

One of the first reasons for amateur radio clubs to form, over 100 years ago, was a way to pool personal funds and create a station that was better in all respects than what the individual members could assemble for themselves, privately. While there are times in our history when that was not true, owing to a rather modest station, today we have a wide array of modern and well-featured transceivers, amplifiers, and antenna systems – as well as an investment in multi-user logging resources.

For those members living in HOA communities, small lots in high-noise areas, or simply at low altitudes with too much geology surrounding them, the club station represents an excellent way to get on the air in high style and further enjoy the fun of ham radio.

The W3PIE station is actually several stations, configured about the clubhouse and annex. It would be very easy to layout five operating positions, in a multi-multi contest setup, if desired. Unfortunately, the station sits idle most weekends. Perhaps this is because of inertia (things at rest tend to stay at rest – things in motion tend to stay in motion) or perhaps we need someone to step up and become our contest and special event leader.

As a way to generate some interest in a leadership opportunity and change of inertia, I am including a five-week contest calendar, produced by WA7BNM. Hopefully, at least some of you will see something here that catches your interests and compels you to come out to the club and get on the air.

CONTEST CALENDAR – www.contestcalendar.com

Weekly Contests

+ K1USN Slow Speed Test	0000Z-0100Z, Monday (Oct 3)
+ ICWC Medium Speed Test	1300Z-1400Z, Monday (Oct 3)
+ OK1WC Memorial	1630Z-1729Z, Monday (Oct 3)
+ ICWC Medium Speed Test	1900Z-2000Z, Monday (Oct 3)
+ Worldwide Sideband Activity Contest	0100Z-0159Z, Tuesday (Oct 4)
+ ICWC Medium Speed Test	0300Z-0400Z, Tuesday (Oct 4)
+ RTTYOPS Weeksprint	1700Z-1900Z, Tuesday (Oct 4)
+ Phone Weekly Test	0230Z-0300Z, Wednesday (Oct 5)
+ A1Club AWT	1200Z-1300Z, Wednesday (Oct 5)
+ CWops Test	1300Z-1400Z, Wednesday (Oct 5)
+ Mini-Test 40	1700Z-1759Z, Wednesday (Oct 5)
+ Mini-Test 80	1800Z-1859Z, Wednesday (Oct 5)
+ CWops Test	1900Z-2000Z, Wednesday (Oct 5)
+ CWops Test	0300Z-0400Z, Thursday (Oct 6)
+ CWops Test	0700Z-0800Z, Thursday (Oct 6)
+ RTTYOPS Weeksprint	1700Z-1900Z, Thursday (Oct 6)
+ NCCC RTTY Sprint	0145Z-0215Z, Friday (Oct 7)
+ NCCC Sprint Ladder	0230Z-0300Z, Friday (Oct 7)
+ K1USN Slow Speed Test	2000Z-2100Z, Friday (Oct 7)

October 3 - 9

+ German Telegraphy Contest	0700Z-1000Z, Oct 3
+ RSGB 80m Autumn Series, CW	1900Z-2030Z, Oct 3
+ ARS Spartan Sprint	0100Z-0300Z, Oct 4
+ VHF-UHF FT8 Activity Contest	1700Z-2100Z, Oct 5

+ 432 MHz Fall Sprint	1900 local - 2300 local, Oct 5
+ UKEICC 80m Contest	2000Z-2100Z, Oct 5
+ Walk for the Bacon QRP Contest	0000Z-0100Z, Oct 6 and 0200Z-0300Z, Oct 7
+ SARL 80m QSO Party	1700Z-2000Z, Oct 6
+ NRAU 10m Activity Contest	1700Z-1800Z, Oct 6 (CW) and 1800Z-1900Z, Oct 6 (SSB) and 1900Z-2000Z, Oct 6 (FM) and 2000Z-2100Z, Oct 6 (Dig)
+ SKCC Sprint Europe	1900Z-2100Z, Oct 6
+ Makrothen RTTY Contest	0000Z-0800Z, Oct 8 and 1600Z-2400Z, Oct 8 and 0800Z-1600Z, Oct 9
+ QRP ARCI Fall QSO Party	0000Z-2359Z, Oct 8
+ Nevada QSO Party	0300Z, Oct 8 to 2100Z, Oct 9
+ Oceania DX Contest, CW	0600Z, Oct 8 to 0600Z, Oct 9
+ Microwave Fall Sprint	0800 local - 1400 local, Oct 8
+ SKCC Weekend Sprintathon	1200Z, Oct 8 to 2400Z, Oct 9
+ Scandinavian Activity Contest, SSB	Cancelled for 2022
+ Arizona QSO Party	1500Z, Oct 8 to 0500Z, Oct 9
+ Pennsylvania QSO Party	1600Z, Oct 8 to 0400Z, Oct 9 and 1300Z-2200Z, Oct 9
+ South Dakota QSO Party	1800Z, Oct 8 to 1800Z, Oct 9
+ PODXS 070 Club 160m Great Pumpkin Sprint	2000Z, Oct 8 to 2000Z, Oct 9
+ UBA ON Contest, CW	0600Z-0900Z, Oct 9

October 10 - 16

+ 4 States QRP Group Second Sunday Sprint	0000Z-0200Z, Oct 10
+ 10-10 Int. 10-10 Day Sprint	0001Z-2359Z, Oct 10
+ NAQCC CW Sprint	0030Z-0230Z, Oct 12
+ VHF-UHF FT8 Activity Contest	1700Z-2100Z, Oct 12
+ RSGB 80m Autumn Series, Data	1900Z-2030Z, Oct 12

+ EACW Meeting	1900Z-2000Z, Oct 13
+ ARRL EME Contest	0000Z, Oct 15 to 2359Z, Oct 16
+ JARTS WW RTTY Contest	0000Z, Oct 15 to 2400Z, Oct 16
+ 10-10 Int. Fall Contest, CW	0001Z, Oct 15 to 2359Z, Oct 16
+ New York QSO Party	1400Z, Oct 15 to 0200Z, Oct 16
+ Worked All Germany Contest	1500Z, Oct 15 to 1459Z, Oct 16
+ Feld Hell Sprint	2000Z-2359Z, Oct 15
+ Argentina National 7 MHz Contest	2130Z-2230Z, Oct 15
+ Asia-Pacific Fall Sprint, CW	0000Z-0200Z, Oct 16
+ UBA ON Contest, 2m	0700Z-1000Z, Oct 16
+ Illinois QSO Party	1700Z, Oct 16 to 0100Z, Oct 17
+ RSGB RoLo CW	1900Z-2030Z, Oct 16
+ Run for the Bacon QRP Contest	2300Z, Oct 16 to 0100Z, Oct 17

October 17 - 23

+ ARRL School Club Roundup	1300Z, Oct 17 to 2359Z, Oct 21
+ RSGB FT4 Contest	1900Z-2030Z, Oct 17
+ VHF-UHF FT8 Activity Contest	1700Z-2100Z, Oct 19
+ AGCW Semi-Automatic Key Evening	1900Z-2030Z, Oct 19
+ Walk for the Bacon QRP Contest	0000Z-0100Z, Oct 20 and 0200Z-0300Z, Oct 21
+ NTC QSO Party	1900Z-2000Z, Oct 20
+ Telephone Pioneers QSO Party	1700Z-2000Z, Oct 21 (CW/Dig) and 2200Z, Oct 21 to 0100Z, Oct 22 (SSB) and 1700-2000Z, Oct 22 (SSB) and 2200Z, Oct 22 to 0100Z, Oct 23 (CW/Dig)
+ YBDXPI FT8 Contest	0000Z, Oct 22 to 2359Z, Oct 23
+ UK/EI DX Contest, SSB	1200Z, Oct 22 to 1200Z, Oct 23
+ YLRL DX/NA YL Anniversary Contest	1400Z, Oct 22 to 0200Z, Oct 24
+ Stew Perry Topband Challenge	1500Z, Oct 22 to 1500Z, Oct 23

+ North American SSB Sprint Contest	0000Z-0400Z, Oct 23
+ Classic Exchange, CW	1300Z, Oct 23 to 0700Z, Oct 24 and 1300Z, Oct 25 to 0700Z, Oct 26

October 24 - 30

+ SKCC Sprint	0000Z-0200Z, Oct 26
+ UKEICC 80m Contest	2000Z-2100Z, Oct 26
+ RSGB 80m Autumn Series, SSB	1900Z-2030Z, Oct 27
+ Zombie Shuffle	1600-2400 local, Oct 28
+ CQ Worldwide DX Contest, SSB	0000Z, Oct 29 to 2359Z, Oct 30
+ Ham Spirit Contest, CW	0600Z, Oct 29 to 0559Z, Oct 30

October 31 - November 6

+ QCX Challenge	1300Z-1400Z, Oct 31
+ QCX Challenge	1900Z-2000Z, Oct 31
+ QCX Challenge	0300Z-0400Z, Nov 1
+ Silent Key Memorial Contest	0600Z-0859Z, Nov 1
+ VHF-UHF FT8 Activity Contest	1700Z-2100Z, Nov 2
+ UKEICC 80m Contest	2000Z-2100Z, Nov 2
+ Walk for the Bacon QRP Contest	0000Z-0100Z, Nov 3 and 0200Z-0300Z, Nov 4
+ NRAU 10m Activity Contest	1800Z-1900Z, Nov 3 (CW) and 1900Z-2000Z, Nov 3 (SSB) and 2000Z-2100Z, Nov 3 (FM) and 2100Z-2200Z, Nov 3 (Dig)
+ SKCC Sprint Europe	2000Z-2200Z, Nov 3
+ IPARC Contest, CW	0600Z-1800Z, Nov 5
+ Ukrainian DX Contest	Cancelled for 2022
+ ARRL Sweepstakes Contest, CW	2100Z, Nov 5 to 0300Z, Nov 7
+ IPARC Contest, SSB	0600Z-1800Z, Nov 6
+ EANET Sprint	0800Z-1200Z, Nov 6

W3PIE'S PHYSICAL AND VIRTUAL PRESENCE

More information on the Uniontown Amateur Radio Club can be found at www.W3PIE.org and our Facebook Page [\(3\) W3PIE | Facebook](#). Keep up with what is happening by visiting these sites on the Infobahn, throughout the month.

Also, our physical address is 433 Old Pittsburgh Road in Uniontown, PA 15401. There is usually something going on at the Clubhouse, on the first, second, third, and fourth Wednesday of each month – plus a variety of other time, as well.

WHERE ARE ALL THE HAMS?

	Novice	Tech	General	Adv	Extra	Total	
California	769	62445	19753	3694	15641	102302	13.23%
Texas	305	27499	13111	2447	11105	54467	7.04%
Florida	477	18849	11768	2718	9914	43726	5.65%
Washington	202	19399	8144	1231	5696	34672	4.48%
Ohio	345	12749	7327	1370	6114	27905	3.61%
New York	435	12376	6896	1449	5938	27094	3.50%
Pennsylvania	292	11064	6308	1382	5526	24572	3.18%
North Carolina	158	10604	5797	1093	5066	22718	2.94%
Arizona	115	11440	5046	1051	4528	22180	2.87%
Michigan	190	10105	5350	1056	4666	21367	2.76%
Oregon	108	11599	4935	744	3585	20971	2.71%
Virginia	192	9685	5335	1008	4748	20968	2.71%
Illinois	270	8960	5263	1068	4412	19973	2.58%
Tennessee	121	9512	5101	890	4284	19908	2.57%
Colorado	104	10824	4504	749	3719	19900	2.57%
Georgia	125	9167	4902	902	4063	19159	2.48%
Utah	37	13135	3226	321	2125	18844	2.44%
Indiana	172	7531	4116	763	3202	15784	2.04%
Missouri	103	7739	3854	679	3103	15478	2.00%
Massachusetts	166	5902	3524	704	3270	13566	1.75%
New Jersey	223	6141	3281	752	3067	13464	1.74%
Alabama	71	5690	3088	560	2842	12251	1.58%
Minnesota	114	5440	2976	638	2487	11655	1.51%
Wisconsin	102	4994	3238	615	2540	11489	1.49%
Maryland	110	5039	2834	594	2678	11255	1.46%
Idaho	29	6447	2446	263	1591	10776	1.39%
South Carolina	68	4800	2650	508	2284	10310	1.33%
Oklahoma	47	5161	2496	405	1978	10087	1.30%
Kentucky	81	4839	2486	425	2004	9835	1.27%
Nevada	41	4701	1874	346	1533	8495	1.10%
Arkansas	42	4309	1918	339	1619	8227	1.06%
Connecticut	130	3365	1910	413	1675	7493	0.97%
Kansas	74	3509	1957	308	1513	7361	0.95%
Iowa	61	3083	1666	421	1489	6720	0.87%
New Mexico	28	3447	1490	286	1329	6580	0.85%
West Virginia	43	3295	1438	217	1234	6227	0.81%
Louisiana	62	2706	1700	365	1358	6191	0.80%
New Hampshire	51	2510	1484	279	1464	5788	0.75%
Mississippi	24	2352	1362	244	1241	5223	0.68%

Puerto Rico	137	2982	1104	196	650	5069	0.66%
Maine	40	1957	1233	225	1121	4576	0.59%
Montana	31	2239	1137	181	811	4399	0.57%
Hawaii	29	2126	778	148	698	3779	0.49%
Nebraska	33	1763	989	245	743	3773	0.49%
Alaska	17	1614	902	156	653	3342	0.43%
Wyoming	11	1024	620	113	453	2221	0.29%
Vermont	15	967	538	110	497	2127	0.28%
South Dakota	19	876	576	125	485	2081	0.27%
Rhode Island	22	891	501	99	457	1970	0.25%
Delaware	20	813	497	85	411	1826	0.24%
North Dakota	11	799	422	65	291	1588	0.21%
Other*	1	278	96	7	217	599	0.08%
DC	4	243	120	22	116	505	0.07%
Guam	1	112	50	8	103	274	0.04%
Virgin Islands	-	116	77	10	54	257	0.03%
		8%	50.6%	24.1%	4.5%	20.0%	
TOTAL	6478	391212	186194	35092	154391	773367	

HOUSEKEEPING

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