

Virginia QSO Party 2016 Pre-Brief

Sterling Park Amateur Radio Club (SPARC)

http://www.qsl.net/sterling/VA_QSO_Party/QSOParty.htm

Gordon Miller, NQ4K

John Huggins, KX4O

Updates: 6 Nov 15: entire briefing
12 Nov 15: Band info
19 Nov 15: Map of bonus stations
1 Dec 15: Corrected date on pg 7

17 Dec 15: Added bonus stations, pg 13
Updated plaques pg 16
20 Dec 15: Added bonus station, pg 13.
22 Dec 15: Added 2016 Certificate

18 Jan 16: Updated bonus station scoring, pg12
24 Jan 16: Sponsors. Pg 16-17
5 Feb 16: Updated sponsors, pg 16-17



Appreciation



- Hams Everywhere
 - For enthusiastically participating
- Members of SPARC
 - Committee Members
 - Dick, W2YE, for rules and club station
 - Bill, KJ4VTH, for plaque management
 - Henry, K2BFY, for electronic scoring software
 - Eric, AJ4LN, for scoring of electronic logs
 - Gordon, NQ4K, for scoring and presentations to clubs
 - John, KX4O, for assistance with scoring and graphics
 - Red, N3TG, for club station mobile
 - All members for
 - K4NVA operation
 - Advice, and
 - Log scoring
- Plaque Sponsors
- Manassas Hamfest: Time and space for Awards Ceremony

[Topics](#)

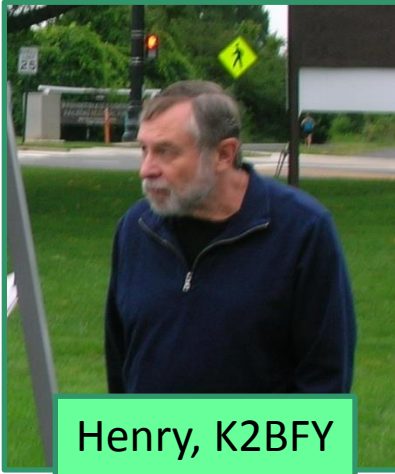


Topics



- Rules
- Meta-Analysis of the 2015 QSO Party
- All Time High Scores
- Description of Certificates

VQP Committee



Henry, K2BFY
E-Scoring SW



Bill, KJ4VTH
Plaques



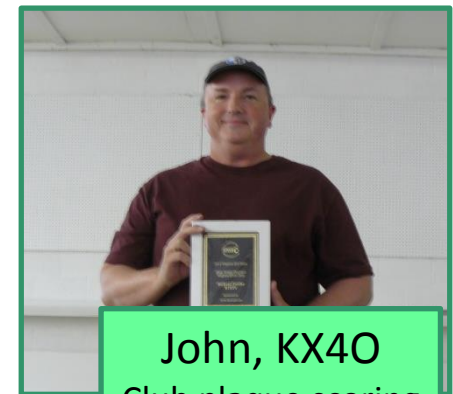
Gordon, NQ4K
Coordination, Scoring



Dick, W2YE
Rules

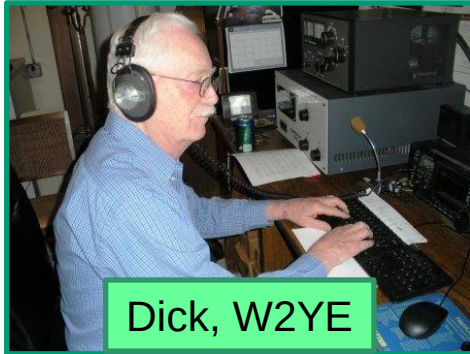


Eric, AJ4LN
E-Log scoring



John, KX4O
Club plaque scoring

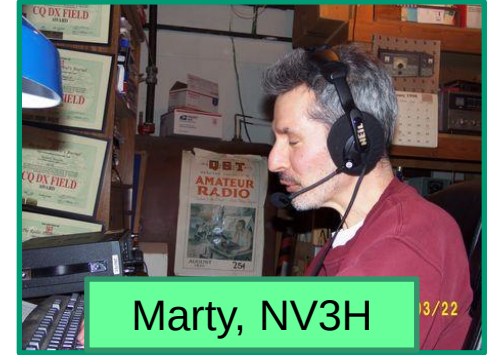
2015 VQP K4NVA Operation



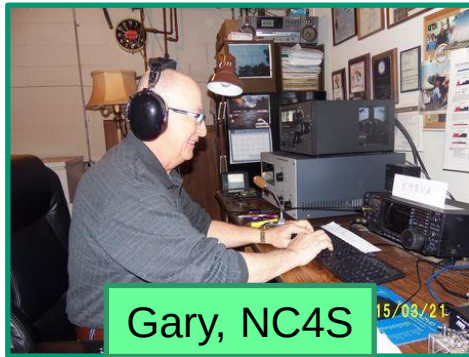
Dick, W2YE



Gordon, NQ4K



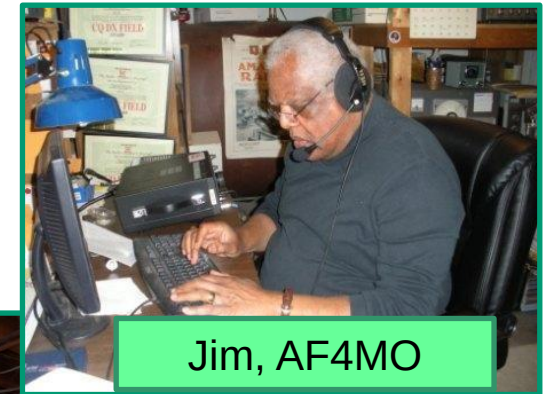
Marty, NV3H



Gary, NC4S



Evelyn, Guest Op



Jim, AF4MO

Visitors



David, Visitor



Chaz, KK4TNO



Duane, K4UW



Kevin, WB0POH



Virginia QSO Party

2016 Rules

2 changes:

Added 27th plaque: High SO Young Adult

Increased number of bonus stations

Operate HF

On air for significant time

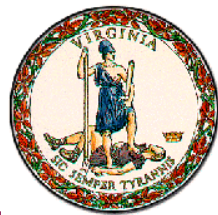
Either:

1) Operate from low QSO QTH

2) Commemorate a special event or activity



2016 Rules Objective and Dates



To promote amateur radio activity in the
95 VA Counties and
38 VA Independent Cities.

Sat 19 Mar 1400 UTC – Sun 20 Mar 0200 UTC
(Saturday, 10 AM – 10 PM local)

Sun 20 Mar 1200 UTC – Sun 2400 UTC
(Sunday, 8 AM – 8 PM local)



2016 Rules Entry Categories



OP Categories

Single OP
Multi OP / Single Trans
Multi OP / Multi Trans

Power Categories

High (> 150 w)
Low (150 w or less)
QRP (5 w or less)

Mode Categories

Phone (SSB/FM)
CW
Digital (RTTY/PSK)
Mixed

Station Categories

Fixed Station
Mobile
Expedition

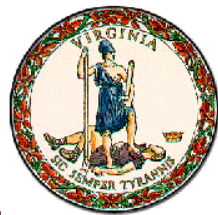
Band Categories

Multi-Band
Single Band

Club Entry



2016 Rules Valid Contacts



- VA stations work all stations.
- Out-of-State stations work VA stations only.
- Work fixed stations once per band/mode.
- Work VA Mobiles and Expeditions in each VA County or Independent City from which they operate.
- Stations on County or Independent City lines count as one QSO and only one County/Independent City multiplier.
- Mobile and Expedition stations use suffix in callsign.
- Satellite contacts allowed.
- No cross-mode or repeater QSO's.
- Spotting nets, DX clusters, etc., may be used to locate other stations - no self-spotting permitted.



2016 Rules Exchange



- QSO number and QTH
 - VA County or Independent City for VA stations
 - State, Province or DX Country for others
- VA Mobile and Expedition Stations log QSO's by VA Independent City or County of operation.
- Identify all QSO's with band, mode, sequential QSO number sent/received and date/time of contact in UTC.
- Please follow standard contest practices by making and responding to "CQ VA QSO Party" calls.
- Multiple Transmitter stations may maintain sequential QSO numbers independently for each transmitter.

2016 Rules Scoring



- QSO Points
 - Phone 1 pt
 - CW 2 pts
 - Digital 2 pts
 - VA Mobile 3 pts
- Multipliers
 - Multipliers are only counted once. VA Station multipliers are
 - VA counties and independent cities
 - US States
 - Canadian Provinces
 - DX Countries
 - No DX multiplier for US (including AK, HI), VA and Canada
 - Mobile / Expedition stations that contact 10 or more different stations while operating from a county or independent city may claim it as a multiplier, if not otherwise worked.
 - Outside of VA station
 - VA Counties and Independent Cities



2016 Rules Scoring



- Bonus Points

- VA Mobile and Expedition stations: 100 points for each VA County/Independent City from which they log a valid QSO.
- Contact with bonus station: 100 points for first contact with each of the 14 bonus stations.

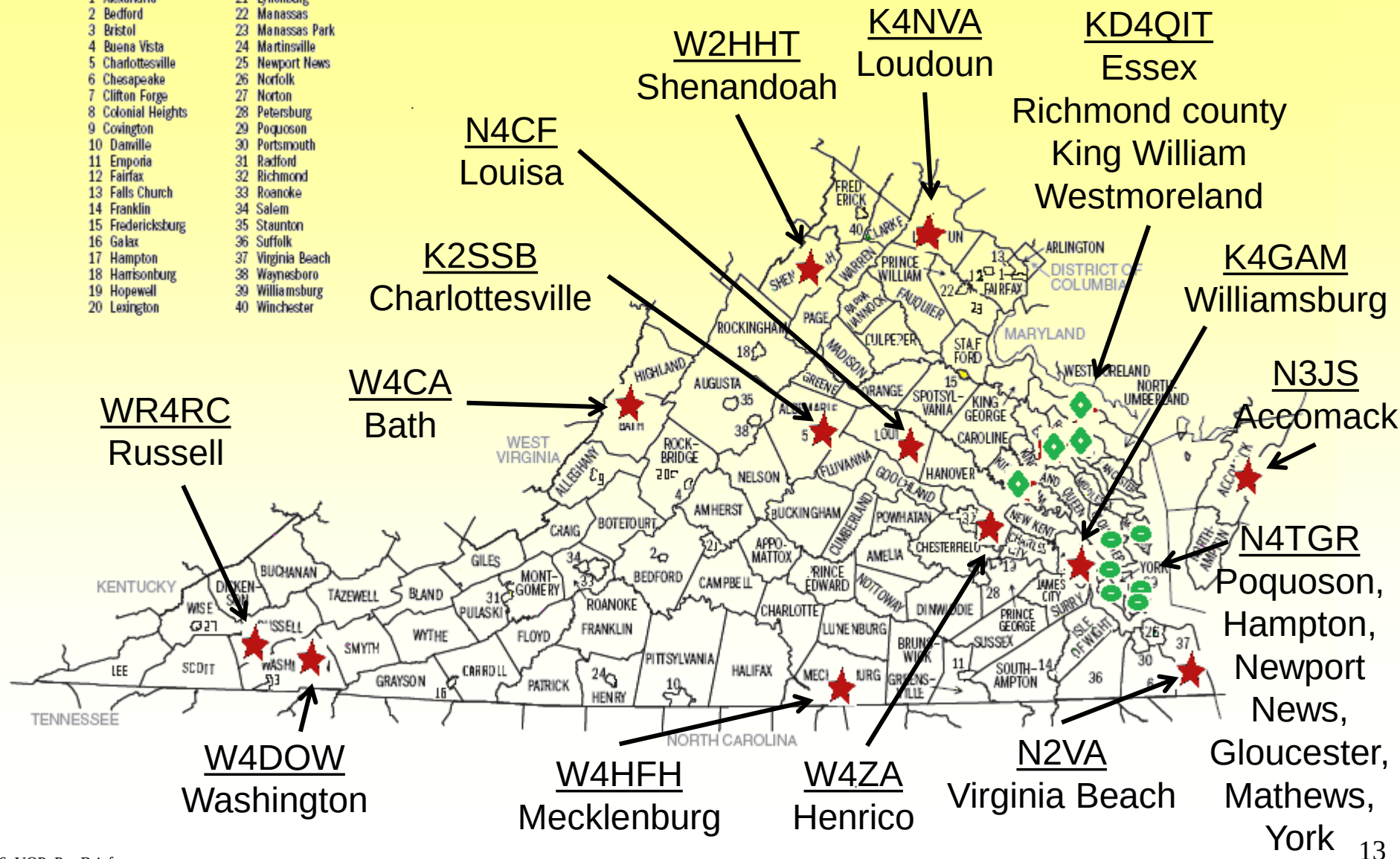
- Final score

QSO Points X Multipliers + Bonus Points

2016 Rules Bonus Stations

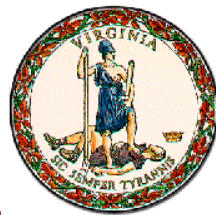


- | | |
|--------------------|-------------------|
| 1 Alexandria | 21 Lynchburg |
| 2 Bedford | 22 Manassas |
| 3 Bristol | 23 Manassas Park |
| 4 Buena Vista | 24 Martinsville |
| 5 Charlottesville | 25 Newport News |
| 6 Chesapeake | 26 Norfolk |
| 7 Clifton Forge | 27 Norton |
| 8 Colonial Heights | 28 Petersburg |
| 9 Covington | 29 Poquoson |
| 10 Danville | 30 Portsmouth |
| 11 Emporia | 31 Radford |
| 12 Fairfax | 32 Richmond |
| 13 Falls Church | 33 Roanoke |
| 14 Franklin | 34 Salem |
| 15 Fredericksburg | 35 Staunton |
| 16 Galax | 36 Suffolk |
| 17 Hampton | 37 Virginia Beach |
| 18 Harrisonburg | 38 Waynesboro |
| 19 Hopewell | 39 Williamsburg |
| 20 Lexington | 40 Winchester |





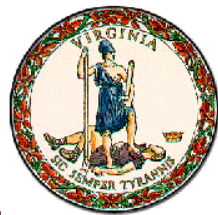
2016 Rules Entries



- Fixed, Expedition, and Mobile operations will be considered separately.
 - Please submit separate logs.
- Multiple OP stations should indicate all OPs by name / call sign.
- **Electronic (preferred)** or paper logs, summary and dupe sheets (200 or more QSO's) are required for all entries.
 - The summary and 'dupe sheet' requirements are waived if recognized contesting software is used.
- For Club Competition purposes, be sure to indicate club name on summary sheet and log.
- Submit entries by April 15, 2016 by mail to the VA QSO Party, Call Box 599, Sterling, VA 20167 or by email to vqp@verizon.net.
- A \$1.00 donation to help defray the costs of printing and mailing is encouraged.



2016 Rules Awards



- All participants submitting a log will receive a certificate.
- Plaques are identified on the contest web site.



2016 VQP Plaques and Sponsors (1 of 2)



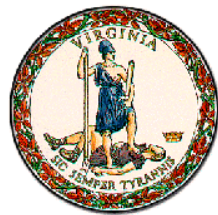
Plaque	Sponsor
Plaques available only to Virginia Stations	
Virginia Single Operator High Power	North Shenandoah DX Association
Virginia Single Operator Low Power	Don Sambol, K7CS
Virginia Single Operator Phone High Power	Shenandoah Valley ARC
Virginia Single Operator Phone Low Power	John Heartney, KG4NXT
Virginia Single Operator Phone/Mixed QRP	Alexandria Radio Club, W4HFH
Virginia Single Operator CW QRP	Vietnam Veterans (George Marsh, K4GAM)
Virginia Mobile Multiple Operator	In memory of Jim Purks, KF4PQL (SK) (Kevin, W4KLS)
Virginia Mobile Single Operator	Middle Peninsula Amateur Radio Club, in memory of Joe Imburgia, KI4LXT (SK)
Virginia Expedition	Alamance Amateur Radio Club
Virginia Club Combined Score	Vienna Wireless Society
Virginia Club - Virginia QSOs Only	www.hamradio.me (John Huggins, KX4O)
Multiple Operator Single Transmitter Station	Morgan Phenix, K4RHD
Multiple Operator Multiple Transmitter Station	Gordon Miller, NQ4K
Single Operator CW High Power	Loudoun Amateur Radio Group
Single Operator CW Low Power	Loudoun Amateur Radio Group



2016 VQP Plaques and Sponsors (2 of 2)



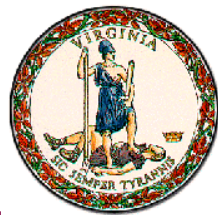
Plaque	Sponsor
Plaques available to any Single Operator Station	
Single Operator VHF Only	Richmond Amateur Telecommunications Society
Single Operator Novice/Tech/Rookie	Richmond Amateur Radio Club
Single Band	Vienna Wireless Society
Single Operator Virginia Counties/Independent Cities Contacted	Tom Zeltwanger, KG3V
Single Operator Digital Mode	Chris Walter, KI4CBF
SO Youth (18 or younger) (Enter age in soapbox or on summary sheet)	K4AMG Memorial Amateur Radio Club
Single Operator Young Adult (19-24) (Enter age in soapbox or on summary sheet) NEW for 2016	K4AMG Memorial Amateur Radio Club
Single Operator VA QSOs Only	www.hamradio.me (John Huggins, KX4O)
Plaques available to Single Operator stations Outside of Virginia	
Outside Virginia Single Operator	Alexandria Radio Club, W4HFH
Outside Virginia Phone/Mixed QRP	Dave Williams, K7HMP *
Outside Virginia Single Operator CW QRP	Rappahannock Amateur Radio Association
Plaque available only to a Single Operator DX station (outside US and Canada)	
DX Station	North Shenandoah DX Association



2015 Virginia QSO Party

Log Metadata Analysis and QSO Analysis

2015 Scoring Party



18 April 2015 at Gordon's QTH



Red, N3TG

Gordon, NQ4K

Dick, W2YE

Pre-Party Presentations



Pre-Party Presentations



Roanoke Valley Amateur Radio Club, 26 Feb 15



Chesapeake Amateur Radio Service, 2 Mar 15

The Shenandoah Valley Amateur Radio Club, 6 Mar 15. Cancelled due to snow.

Year	No. of logs
2015	375
2014	379
2013	386
2012	356
2011	358
2010	341
2009	364
2008	336
2007	353
2006	279
2005	170
2004	138
2003	142
2002	124
2001	110

Same a last year.

So close to 400, but
did not make it again
this year.

Log MetaData



Mostly Amateur Extras.

License Class	05	06	07	08	09	10	11	12	13	14	15
Extra	103	170	229	210	224	213	214	236	253	252	252
Advanced	8	17	12	11	9	10	10	14	13	14	15
General	32	47	71	67	81	70	83	67	75	67	71
Tech	11	20	5	11	16	14	10	6	12	5	10
Club	4	4	11	13	11	10	6	18	12	13	16
Other	11	21	23	24	23	24	35	15	21	28	11
Total											375

Log MetaData

Scores	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
High	803,540	523,382	934,990	944,597	1,097,159	1,178,532	608,100	402,774	843,300	1,129,640	926172
Average	17,287	17,235	16,975	18,483	18,669	21,910	24,099	16,400	20,772	20,854	17,513
Median	2,964	3,990	2,109	2,515	2,570	2,976	4,300	3,329	3,330	3,564	3,608
Low	1	1	0	1	1	2	1 (6x)	1 (2x)	0	0	1 (4x)

Nothing unusual.

Distribution between modes is about same.

Mode	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
CW	22	39	43	54	66	41	52	45	50	55	47
Mixed	148	98	117	110	90	88	96	105	108	124	140
Phone	0	140	187	169	204	208	205	204	226	198	185
DG	0	2	6	3	4	4	5	2	2	2	3

Effectively no Digital logs

Log MetaData

Most hams use low power.

QRP continuing to grow slowly.

Power	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Hi-Low	155	260	330								
High				73	80	66	73	63	67	63	51
Low				238	263	248	256	272	287	285	285
QRP	15	19	23	25	21	25	29	21	32	31	39

Expeditions show increase.

Station	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Fixed	145	220	310	291	311	295	312	308	318	346	320
Mobile	24	55	39	37	47	43	39	40	45	30	39
Expedition	1	4	4	8	6	3	7	6	5	3	16
Checklog								1			

Log MetaData

Multi-Ops may be rebounding

# Ops	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	
1	263	333	315	350	318	337	339	374	369	359	
2	8	7	15	6	9	6	5	6	3	6	
3		4	2	3	4	4	3	2	2	4	
4	5	4	1	1	2	3	2	1	2	3	
5	1	1				1	1		1	1	W4F
6		1		1	1	2	1				
7					1	1		2		1	KW4VA
8	2		1		2		1		1	1	K4NVA
9		1	1	1			3		1		
10			1			1		1			
11						2					
13		1		2		1	1				
15					2						
Multi-Ops	16	19	21	14	21	21	17	12	10	16	

Log MetaData

40M remains popular.

Most chase propagation to get QSOs.

Band	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
All	133	201	266	265	273	260	284	272	272	279	266
SB(160M)							1				
SB(80M)	3	6	20	13	16	9	4	2	4	1	2
SB(40M)	11	13	27	21	27	38	37	58	79	73	69
SB(20M)	4	11	16	18	18	11	13	13	10	9	12
SB(15M)	1									1	2
SB(10M)	1			2			1		2	1	
SB(6M)	0	1	1								
SB(2M)	2	24	9		20	15	12	10	10	12	15
SB (1.25M)					1		1				
SB (70 cm)								1			
VHF Only	15	23	14	4	9	6	5	10	9	3	9

Log QTHs



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Not VA	60	97	143	128	137	102	108	116	129	136	116
VA	110	182	210	208	227	239	250	240	257	243	259
Total	170	279	353	336	364	341	358	356	386	379	375

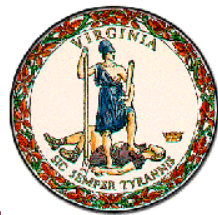
Not VA

Canada 6

DX 3

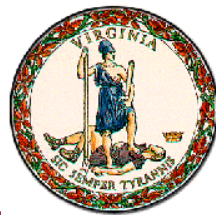
Other US 107

Log QTHs DX



DX QTH	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Argentina			1								
Azores				1							
Columbia							1				
Curacao							2				
Czeck Rep	1		1	1		1		1	1	1	1
England						1	1				
France										2	
Germany	1	1		2	1	1	1		1	1	1
Hungary	1				1	1					
Ireland										1	
Italy		1		1							
Jamaica							1				
Japan				1				1			
Lithuania					1	1	1			1	1
Netherlands	1	1	1	1	1	1	1				
Paraguay					1						
Poland					2	1	2	1	2	1	
Portugal		1	1	1	1	1					
Slovak Republic										1	
Spain			1								
Sweden						2				3	
Ukraine			1		1						
West Indies								1			

Logs from US and Canada



QTH	05	06	07	08	09	10	11	12	13	14	15
AL	1	3	1	3	2	3	2	2	1	2	
AZ			2	3	5	1	1	4	3	1	
AR		1				1				1	
BC	1	2	1	4	1						
CA	1	3	7	1	3	2	3	3	2	1	6
CO		2	2				1		1		1
CT			1		2	1			4	1	2
DE		1	1		1	2		2	1	1	1
FL	3	7	6	7	8	5	9	9	7	7	9
GA	2	6	4	4	3	3		1	4	2	2
IA	1		1	1					1	1	
ID				1					1	1	1
IL	1	3	2	4	4	5	3	2	2	5	2
IN	1	4	3	2	2	1	1	3	1	2	1
KS		2	3	1	2	4	2	4	2	1	1
KY	1	2	2	2	3	1	1	1	1		
LA	1	1		1	1	1		2			2
MDC	3	4	3	3	3	2	2	4	6	6	7
ME			2	1	1			1		1	

QTH	05	06	07	08	09	10	11	12	13	14	15
MI	6	3	5	2	6	2	1	4	4	2	3
MN	2	1		3	3	2	2	1	1	4	2
MO	1	1	1	2	1	2	5	4	3	7	3
MS	1	1		2	2		1				1
MT	1	1	1	1						1	
NB			1					1	1		
NC	2	3	4	4	5	8	7	2	8	12	8
ND										1	1
NE		3	2	1							
NH	1	1	2	3	2	2	2	2	1	2	1
NJ	4	4	6	5	3		4	6	6	11	9
NM								1	1		1
NT				1				1			
NV			1		1	1	1	1			
NY	1	2	7	7	5	3	7	9	6	9	7
OH	1	3	7	6	9	8	7	6	15	6	6

QTH	05	06	07	08	09	10	11	12	13	14	15
OK		2	1	1					1		
ON	3	5	9	8	5	3	4	7	5	4	5
OR					1	1	1	1	1		
PA	4	3	6	10	8	12	15	6	12	7	9
RI		1		1	2	2	2	3			
QC	1		3	1	1	1	2	1	1	2	1
SC	1		1	1		2		2	1	1	2
SD			1	3	1						1
SK	1	1	1	3	3			1	1		
TN	2	6	4	4	7	8	5	5	7	9	
TX	2			1	4	3	1	3	2	3	4
UT					1	1					
VT			2	1	2	1				1	
WA		1		4	4	2	1	2	2		2
WI	2	4	3	3	6	1	3	1	3	1	1
WV	2	5	2	3	1	2	1	1		4	2
WY			1	2							1

5 or more in GREEN

34 states 2 provinces

Logs from VA

Logs from 70 C&IC
Down 5 from last year



QTH	05	06	07	08	09	10	11	12	13	14	15
ACC	1	1				1	3	1		1	1
ALB				2	2	3		4	2	2	2
ALL	1							1	2	1	1
ALX	2	2	1	1	2	2	2	3		2	1
AMH	1		1		1	2	2			1	1
APP								1			
ARL	3	4	8	1	4	7	4	4	7	9	8
AUG			1	1	1	1	4	4	5	2	3
BAT	1	1	2	1	1	3		2		1	
BED	1	2		2	3	1	3	3	5	3	3
BHM							1			1	
BOT							1	1	1	2	3
BRX								1	1	1	1
CAM			1	2		1	3	1	4	3	2
CCY				1	1	1	1		1	1	
CHE				3	2	2	3	3	1	2	2
CHX						2	1	2	2	1	1
CLA	2	2	2	2	2	2	3	2	3	4	5
CLN							1	1	1	1	1
CPX	1	3	7	5	3	9	6	6	5	6	8
CRA			1	1	1	1		2	1	1	
CRL		1	1	1	1		1	1		1	1
CUL	2	3	2	3	4	4	3	4	5	3	3
CUM											1
CVX	1	2	2	2	1	1	1	1	1	2	1
DIC			1		1		1				
DIN						1	1	1	1		1
ESS		1		1							
Exp	1	4	4	8	6	3	7	6		3	16
FAU	11	14	15	12	19	18	14	7	10	14	12
FBX	1	1	1	1		1		1	1	2	
FCX											1
FFX	12	12	28	15	19	15	23	15	19	22	20
FLO					1	2		1			
FLU		1				1		2	1	2	1
FRA	2	3	3	3	4	2	3	3	4	3	2
FRE	2	3	2	2	3	1	2	7	5	8	5
FRX					1	1	1	1		1	

QTH	05	06	07	08	09	10	11	12	13	14	15
GIL	1	2	1	2	1	1	2	1	1	2	1
GLO				2				2	1		3
GOO	1	1	2	3	1	1	2	2	1	1	
GRA								1			
GRN	1	1	1	1	1	1	1		1	1	1
HAL						1	1				
HAN	2	1	5	2	6	5	5	3	3	2	2
HAX				1		2	2				
HBX					1	1	2		1	1	
HCO	2	2	5	2	3	4	3	6	3	1	3
HOX							1	1	1	1	1
IOW	1	1	1	5	6	4	7	4	6	3	3
JAM		3	2	4	3	2	3	3	1	2	4
KGE				1	1	1	1	1	1		
KQN								1			
KWM									1		
LAN		1	2	3	1	3	2	1	2	2	4
LDN	14	20	15	13	18	22	24	21	22	20	10
LEE					1						
LSA			1	1		2			1	2	2
LYX			3	1			1	1	1	1	1
MAD			1	1	1						
MAT					1		1	1	2	1	1
MAX			1							1	
MPX									1		
MEC		1									
MID				1							
Mobi	24	55	39	37	47	43	39	40	45	30	39
MON	1	1	1	3		2	2	3	2	1	3
MOV			1						1		1
NEL		1	1	1	1			1	1		
NEW			1	1				1	1	1	
NFX			2	1	2	3	2	3	2	2	2
NNX							1	1	2	3	2
NRX					1						
NUM	2	2	2	3	1	3	5	7	9	9	7
ORG					1	2	4	2	4	3	2

QTH	05	06	07	08	09	10	11	12	13	14	15
PAG	1	2	2	1	1	1	1	1	2	3	3
PAT											1
PIT	2		1		1	3	2				
POW		1	1	2	2	1					1
POX	1	1		2		1		1	1	1	
PRG	1							8			
PRW	2	6	11	7	6	7	4	8	11	8	13
PUL		1									
RAP									1		
RAX									1		1
RBR									1	1	1
RHM			1	1	1	1	2	1	2	3	2
RIC	1										
RIX			2		1	1					
ROA	2	1	4	6	1	2	5	1	1	2	3
ROX						1	1	1		1	
RUS			1		1	1	1			1	1
SAX			1	2	1	2	2	2	1	1	
SCO	1	1	1		1						
SHA					1		2				
SHE		1	1	1	1		1	3	3	2	4
SMY		3			1		2	1		1	
SPO			2	1	2	2	2	3	2	2	1
STA	2	4	3	5	3	1		1	2		1
STX							1				
SUR					1	1	1	1	1	1	1
SUS							1	1			
SUX						1			2	3	3
TAZ					1						
VBX		7	6	6	6	4	3	4	6	4	5
WAR	1	1	1	1	1	1	2	2	2	2	2
WAS											1
WAX	1		1	1	1	1	1	1	2	3	1
WES		1	1			1					
WIS			1	2	3	2	4				
WIX			4	3		1	2	4	3	2	1
WMX	1			1	1	1	1	2	1	2	1
WYT					1		1			1	1
YOR			2	2	1	1	1	1		1	1

Logging Programs



Program	2007	2008	2009	2010	2011	2012	2013	2014	2015
N1MM	39	50	69	75	94	118	121	139	142
N3FJP's VA State QSO Party Program	98	113	127	104	118	112	128	117	126
PAPER	81	63	60	46	36	46	48	45	39
None Stated	5	22	28	25	13	2	19		
WriteLog	23	24	19	15	20	11	6	9	10
Fat Fingers	38	11	15	24	34	38	20		23
GenLog	9	11	10	13	12	7	10	6	7
Cabrillo Analyzer		8	10	6	5				
VA QSO LOGGER	32	12	6	4	8	6	4		3
NA	5	5	3	4	1	1	1		1
TR Log POST	3	4	2	2	2	1	1		
Ham Radio Deluxe	2	2	2						2
Cab-converter(TM)	1				1		3		2
CU2JT Logger	1	1							
Log-EQF V9	1								
Win-EQF	1	1	1	4	5	4	1		1
WINLOG32	1								
Xlog		2			1				
Other		7	12			12	24		6
Aether									6

N1MM and N3FJP are about the same.

Still a lot of paper and manual logs.

QSO Analysis



Measure	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Contacts (electronic logs only) (i.e. # QSOs x 2)	22,300	51,048	76,654	80,756	86,116	92,944	107,422	89,576	101,640	103,598	91,584
Non-Virginia contacts	1/3	1/3	1/3	1/3	1/3	1/3	26%		27%	23%	22%
States Contacted		50	50	50	50	50	50	50	50	50	50
Provinces Contacted		10	10	14	11	12	12	12	11	12	12
DX Entities	~41	68	112	118		119				4%	1%
C&C Not Activated	17	7	6	2	1	3	5	5	4	3	0
High # QSOs in C&IC	2,789	3,969	5,434	3,166	5,272 FAU	9,178 LDN			12,012 LDN	10,559 LDN	5,024 FAU

2008: Buchanan (BCH) Norton (NRX)

2009: Highland

2010: Buchanan (BCH), Buckingham (BHM), Essex (ESS)

2011: Amelia (AME), Colonial Heights (COX), Nottoway (NOT), Petersburg (PBX), Poquoson (PQX)

2012: Bland (BLA), Buchanan (BCH), Emporia (EMX), Nottoway (NOT), Petersburg (PBX)

2013: Buckingham (BHM), Highland (HIG), Northampton (NHA), Smyth (SMY)

2014: Colonial Heights (COX), Martinsville (MVX), Richmond (RIX) (city)

2015: All activated

QSO Analysis

Missing C&IC by Year

All activated in 2015!



C&IC	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Amelia (AME)						X				
Bristol BRX)		X								
Bland (BLA)							X			
Buchanan (BCH)			X		X		X			
Buckingham (BHM)					X			X		
Charles City (CCY)		X								
Charlotte (CHA)		X								
Colonial Heights (COX)						X			X	
Danville (DAX)	X									
Emporia (EMX)							X			
Essex (ESS)					X					
Highland (HIG)				X				X		
Hopewell (HOX)	X									
Martinsville (MVX)	X								X	
Northampton (NHA)	X							X		
Norton (NRX)		X	X							
Nottoway (NOT)		X				X	X			
Petersburg (PBX)	X					X	X			
Poquoson (PQX)	X					X				
Richmond (RIX) (city)									X	
Smyth								X		
Tazewell (TAZ)	X									
Wythe (WYT)		X								

Red "X" is 2 or more times missing.



Mode QSOs



Digital almost gone.

Mode	2010	2011	2012	2013	2014	2015
CW	9,660	13,137	8,553	12,452	12,108	8,392
DG	885	1,308	543	600	274	150
PH	35,927	39,276	35,692	37,768	39,417	37,250
Grand Total	46,472	53,721	44,788	50,820	51,799	45,792

Band QSOs



Band	No. of QSOs
40M	30,648
20M	4,889
80M	4,739
2M	2,339
70cm	982
1.25M	735
33cm	560
15M	497
10M	199
160M	105
6M	99
Grand Total	45,792

QSO Analysis

Contacts in Counties and Independent Cities (1 of 3)



C&C	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Accomack	150	156	37	3	109	710	106	592	13	64	134
Albemarle	7	84	189	586	172	826	1583	727	933	712	1017
Alexandria *	215	145	171	29	316	462	640	447	222	487	334
Alleghany	2	11	120	58	63	53	26	67	57	39	90
Amelia	26	60	1	53	18	1	0	2	70	1	262
Amherst	42	54	582	151	834	426	347	20	9	128	288
Appomattox	0	35	48	39	67	3	18	245	5	1	336
Arlington	344	411	614	158	262	506	1422	1773	1719	1766	1872
Augusta	4	40	532	604	601	827	1062	1324	2145	1104	1789
Bath	85	124	310	944	862	359	13	517	4	1017	15
Bedford	61	539	1208	663	737	584	961	783	2130	1117	1424
Bedford *	24	21	63	49	35	73	62	95	84	n/a	n/a
Bland	0	4	2	32	4	2	28	0	118	8	64
Botetourt	1	18	49	113	49	62	245	200	414	520	659
Bristol *	0	9	0	5	6	10	63	461	796	781	686
Brunswick	31	46	3	60	23	28	29	2	27	21	35
Buchanan	2	2	1	0	1	0	25	0	203	19	22
Buckingham	74	113	34	62	20	0	845	9	0	197	117
Buena Vista *	1	2	56	71	56	84	12	127	79	2	104
Campbell	4	58	169	129	89	142	577	322	1158	787	615
Caroline	5	24	51	85	35	17	434	356	162	524	387
Carroll	8	201	144	574	238	87	654	337	196	547	559

C&C	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Charles City	0	5	0	53	189	194	27	57	199	164	5
Charlotte	20	33	0	69	28	5	7	14	46	2	234
Charlottesville *	1	20	80	59	23	106	186	214	198	139	165
Chesapeake *	15	185	715	433	234	728	1404	1234	1162	865	1419
Chesterfield	58	76	193	639	306	132	640	1249	887	773	706
Clarke	127	348	403	645	222	220	316	468	335	343	3638
Colonial Heights *	0	3	13	72	2	1	0	2	62	0	287
Covington *	25	86	398	153	132	118	111	86	6	645	521
Craig	1	9	128	106	104	242	89	561	479	519	81
Culpeper	531	1164	1320	2212	2835	2516	2809	2424	2090	2260	2695
Cumberland	86	116	9	45	14	4	35	4	15	6	438
Danville *	0	0	34	1	115	184	163	50	9	1	104
Dickenson	47	30	242	45	458	156	130	48	243	170	73
Dinwiddie	26	1	18	53	22	628	200	173	288	129	592
Emporia *	18	37	11	56	22	24	20	0	21	9	152
Essex	0	552	12	166	29	0	45	201	22	138	55
Fairfax	1545	1304	3602	1933	3113	3142	4274	2192	4005	3428	2777
Fairfax *	82	143	415	162	326	146	223	370	491	260	139
Falls Church *	63	90	66	1	78	12	1	142	17	4	227
Fauquier	1550	3936	5434	5272	8804	5970	8476	6269	6528	9013	5025
Floyd	80	124	26	87	308	169	295	230	110	87	121

GREEN: 5 Loc more than 2,000

QSO Analysis

Contacts in Counties and Independent Cities (2 of 3)



C&C	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Fluvanna	42	105	95	87	70	52	62	381	221	860	473
Franklin	144	844	584	626	579	694	1184	1130	1302	859	1050
Franklin *	15	58	28	84	44	68	230	94	72	55	13
Frederick	86	322	948	149	405	359	615	970	710	1571	923
Fredericksburg *	132	881	1222	233	52	676	52	445	814	2163	89
Galax *	3	1	37	36	47	60	171	20	157	56	127
Giles	222	405	44	392	448	265	626	316	281	458	251
Gloucester	3	7	114	211	81	126	2	256	345	56	665
Goochland	2789	2562	4605	4346	3772	3527	2898	3100	1721	1925	3
Grayson	9	11	48	86	8	37	84	26	109	64	36
Greene	98	305	542	427	456	538	624	493	456	730	731
Greensville	21	29	11	50	20	20	26	9	19	41	225
Halifax	49	26	30	66	18	561	626	54	79	8	195
Hampton *	6	24	47	319	51	546	831	3	29	100	378
Hanover	352	151	1154	840	2063	2085	2071	949	1282	799	887
Harrisonburg *	11	35	18	29	350	303	832	1	155	211	124
Henrico	142	222	1032	1136	652	1348	1510	1480	618	166	687
Henry	1	1	33	108	85	172	297	85	54	1	94
Highland	0	1	84	28	0	8	1	16	0	1	308
Hopewell *	1	0	6	13	18	2	159	139	248	701	467
Isle of Wight	66	124	242	573	988	2258	967	1935	1811	1341	1184
James City	15	610	760	1025	1312	239	857	885	323	360	983

C&C	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
King & Queen	2	14	6	41	55	25	34	32	168	119	124
King George	24	46	86	44	311	311	991	860	1129	15	145
King William	1	16	3	63	30	3	30	27	66	101	43
Lancaster	0	126	616	891	628	1032	984	602	1098	386	490
Lee	0	1	3	14	65	1	287	24	57	46	33
Lexington *	0	2	58	60	42	69	15	88	15	1	183
Loudoun	1299	3465	3586	4347	8629	9178	11843	8463	12010	10559	3324
Louisa	13	42	712	711	32	196	58	136	139	748	995
Lunenburg	12	45	9	49	72	1	49	55	90	128	192
Lynchburg *	9	42	786	322	147	53	259	168	643	240	417
Madison	15	329	61	434	447	259	373	568	561	216	290
Manassas *	111	220	109	101	152	117	249	382	153	84	156
Manassas Park *	56	196	118	76	120	90	302	267	165	141	174
Martinsville *	0	0	60	208	62	40	258	48	442	0	400
Mathews	0	10	52	213	187	62	28	200	305	222	292
Mecklenburg	38	394	9	59	34	54	55	3	32	45	54
Middlesex	1	13	47	304	186	24	14	16	12	102	19
Montgomery	118	1280	1817	1751	213	1197	613	612	598	1016	345
Nelson	10	111	287	230	275	47	121	157	554	21	268
New Kent	0	12	699	329	31	12	32	161	1056	103	43
Newport News *	11	16	54	27	43	129	691	930	686	892	475
Norfolk *	5	18	151	151	113	291	162	214	244	249	188

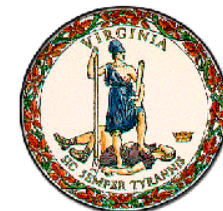
QSO Analysis

Contacts in Counties and Independent Cities (3 of 3)

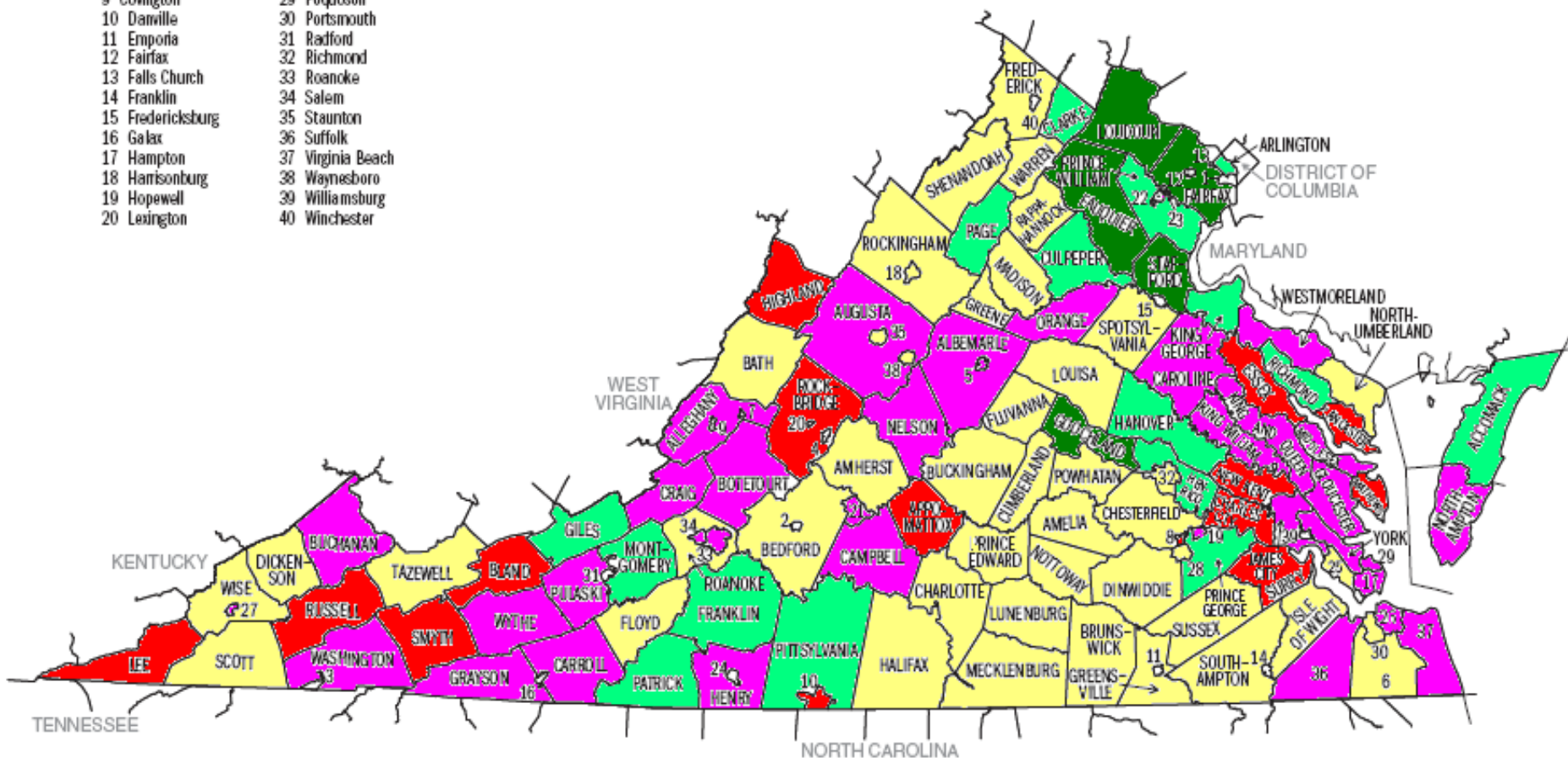


C&C	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Northampton	3	0	132	15	187	137	1	55	0	5	9
Northumberland	23	140	195	267	145	976	2038	2307	2711	3154	3023
Norton *	1	2	0	0	28	7	25	22	34	57	50
Nottoway	25	61	0	27	28	2	0	0	75	30	212
Orange	9	40	175	124	500	681	284	1186	1501	1165	794
Page	286	825	1237	910	755	627	839	778	1035	1137	1055
Patrick	107	179	3	384	409	652	707	361	225	2	505
Petersburg *	25	0	1	70	17	1	0	0	81	26	274
Pittsylvania	200	1	109	92	207	776	1065	63	59	34	165
Poquoson *	7	0	27	10	21	11	0	1	11	12	487
Portsmouth *	38	34	108	146	123	69	31	43	88	98	103
Powhatan	54	1166	2223	1919	1157	1922	15	4	12	25	167
Prince Edward	47	91	20	51	54	3	27	151	209	8	278
Prince George	333	3	19	60	46	25	10	3	76	27	265
Prince William	396	1166	3031	2125	974	2580	2728	2498	1447	1914	3537
Pulaski	7	288	4	30	2	30	42	6	262	93	90
Radford *	4	5	1	21	4	54	51	72	66	22	32
Rappahannock	79	440	274	896	298	491	335	756	649	426	413
Richmond	364	65	23	87	68	7	46	107	4	81	83
Richmond *	19	14	201	36	77	78	169	34	60	0	132
Roanoke	44	93	409	217	144	416	593	634	250	403	366
Roanoke *	10	17	208	225	108	990	801	243	65	91	71
Rockbridge	0	37	76	103	177	125	86	226	278	293	650

C&C	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Rockingham	19	108	370	562	677	710	1036	798	948	1431	1533
Russell	0	51	47	34	215	393	98	52	286	180	203
Salem *	3	20	127	499	136	453	75	409	280	312	68
Scott	53	91	77	61	186	59	104	46	206	48	109
Shenandoah	48	200	216	64	36	71	129	653	295	472	520
Smyth	0	1153	2	9	211	5	428	253	0	434	32
Southampton	14	37	15	65	114	37	817	10	7	26	32
Spotsylvania	20	92	325	199	409	161	397	443	428	506	173
Stafford	1193	1623	1295	1671	1020	131	153	1235	341	100	332
Staunton *	13	35	86	64	58	43	43	22	18	2	152
Suffolk *	1	41	7	44	87	66	37	59	306	154	645
Surry	0	1	1	22	182	205	352	237	202	192	348
Sussex	12	5	6	63	30	43	1020	5	5	8	181
Tazewell	36	0	26	52	489	70	177	16	233	168	114
Virginia Beach *	9	2421	1083	993	1029	1897	360	506	715	236	1330
Warren	83	357	316	415	205	454	670	832	515	770	484
Washington	3	19	10	10	159	12	116	52	43	199	416
Waynesboro *	38	56	424	266	352	508	390	273	418	1114	533
Westmoreland	6	89	23	25	30	396	31	50	79	106	89
Williamsburg *	1	3	92	134	85	103	76	115	80	595	61
Winchester *	21	89	163	103	9	107	654	1099	661	214	188
Wise	11	3	144	711	902	1240	1293	40	109	112	102
Wythe	5	3	0	45	175	52	226	20	75	1064	1176
York	2	35	368	462	382	169	352	310	59	558	402



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|--------------------|-------------------|
| 1 Alexandria | 21 Lynchburg |
| 2 Bedford | 22 Manassas |
| 3 Bristol | 23 Manassas Park |
| 4 Buena Vista | 24 Martinsville |
| 5 Charlottesville | 25 Newport News |
| 6 Chesapeake | 26 Norfolk |
| 7 Clifton Forge | 27 Norton |
| 8 Colonial Heights | 28 Petersburg |
| 9 Covington | 29 Poquoson |
| 10 Danville | 30 Portsmouth |
| 11 Emporia | 31 Radford |
| 12 Fairfax | 32 Richmond |
| 13 Falls Church | 33 Roanoke |
| 14 Franklin | 34 Salem |
| 15 Fredericksburg | 35 Staunton |
| 16 Galax | 36 Suffolk |
| 17 Hampton | 37 Virginia Beach |
| 18 Harrisonburg | 38 Waynesboro |
| 19 Hopewell | 39 Williamsburg |
| 20 Lexington | 40 Winchester |

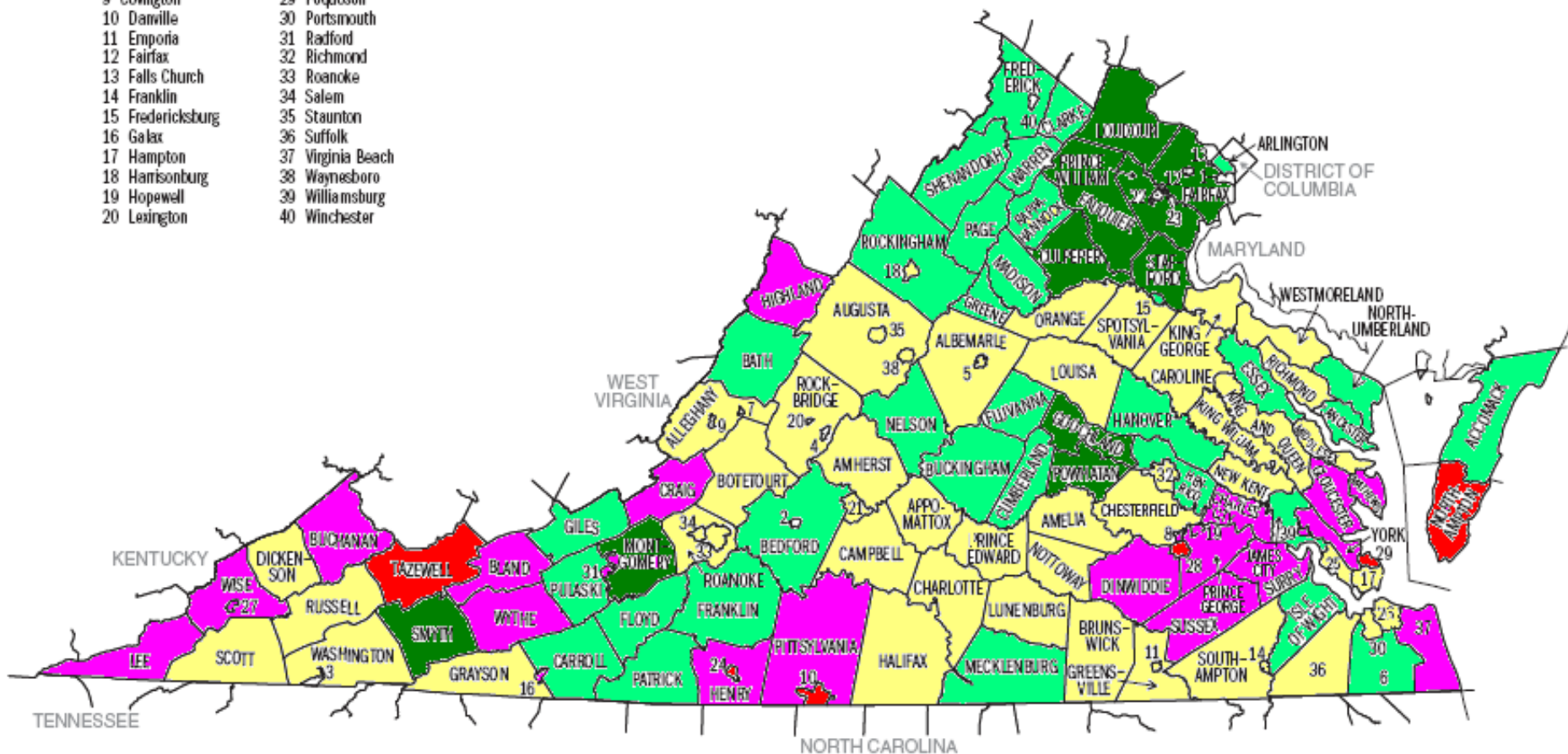


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2006 QSO Contact Analysis

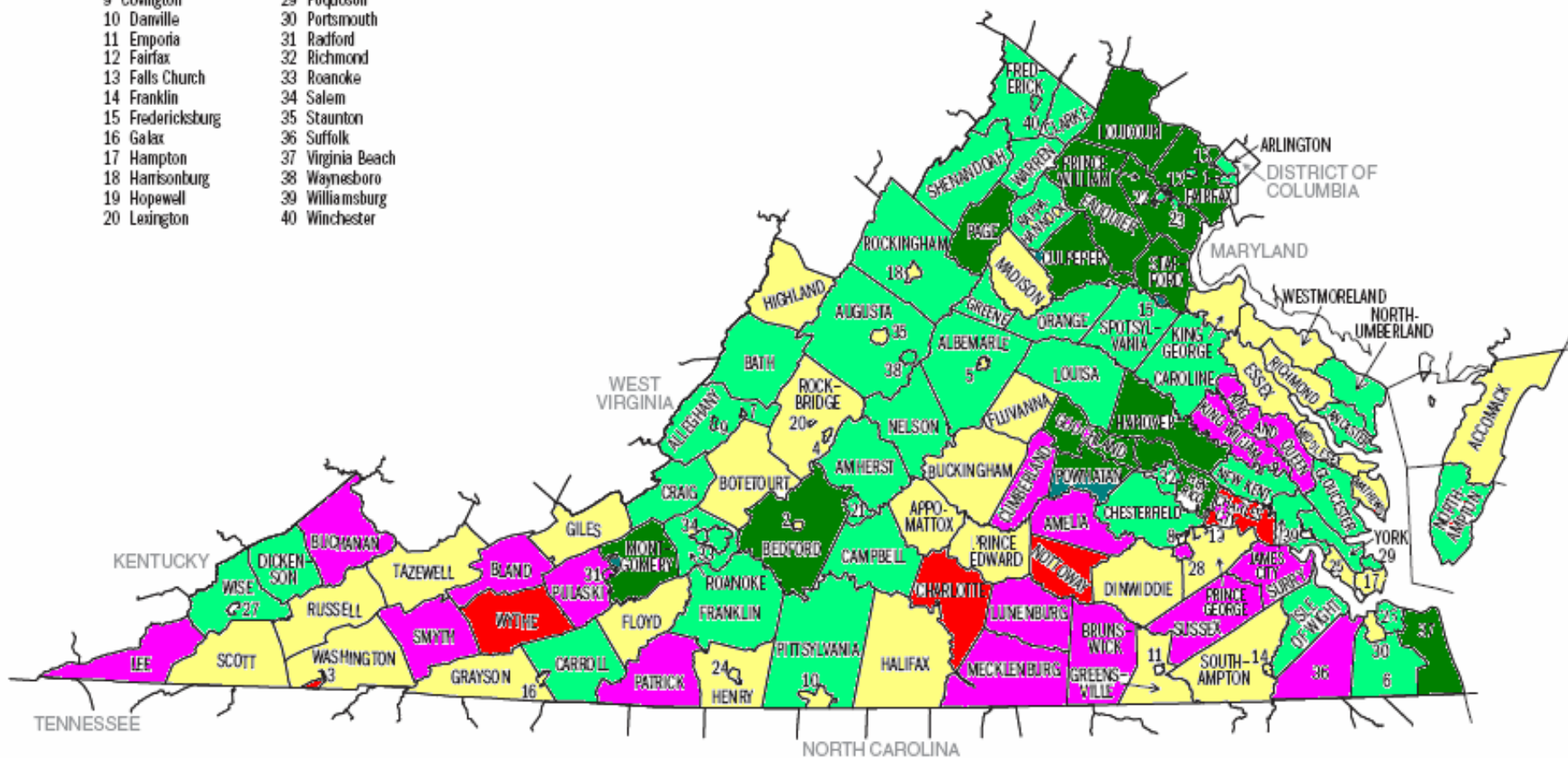


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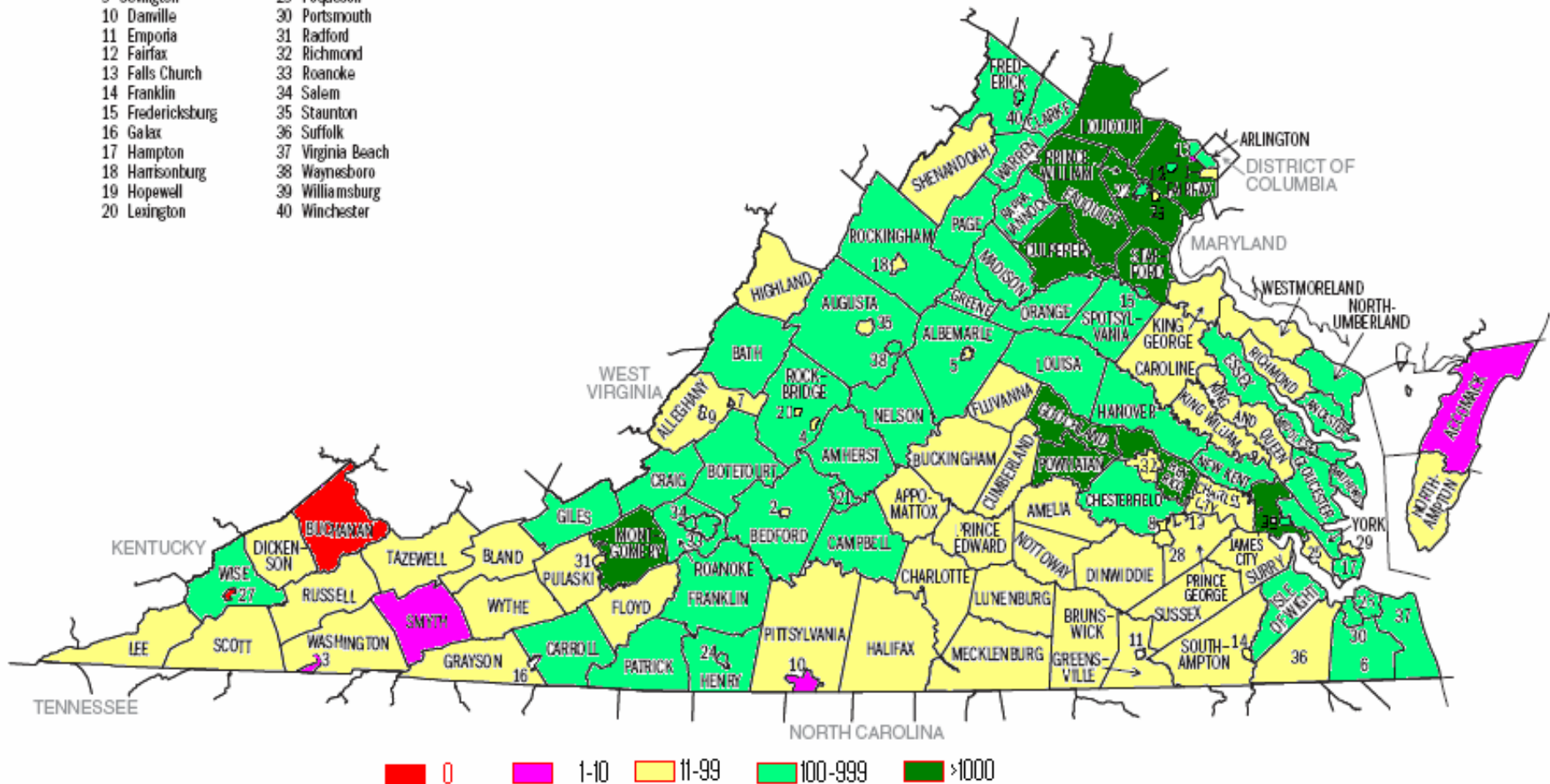
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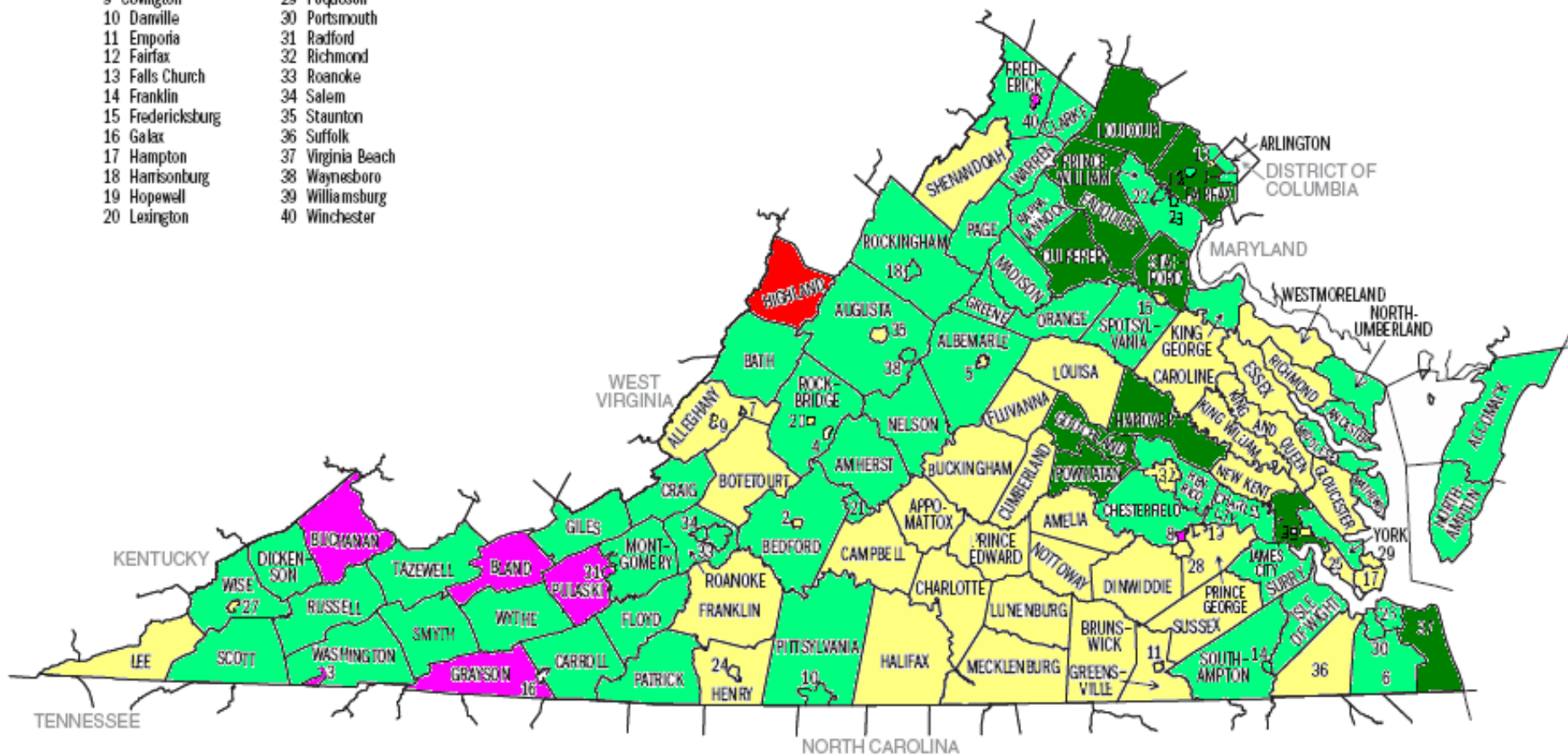


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| 11 Emporia | 31 Radford |
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| 13 Falls Church | 33 Roanoke |
| 14 Franklin | 34 Salem |
| 15 Fredericksburg | 35 Staunton |
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| 18 Harrisonburg | 38 Waynesboro |
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| 10 Danville | 30 Portsmouth |
| 11 Emporia | 31 Radford |
| 12 Fairfax | 32 Richmond |
| 13 Falls Church | 33 Roanoke |
| 14 Franklin | 34 Salem |
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| 17 Hampton | 37 Virginia Beach |
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| 19 Hopewell | 39 Williamsburg |
| 20 Lexington | 40 Winchester |

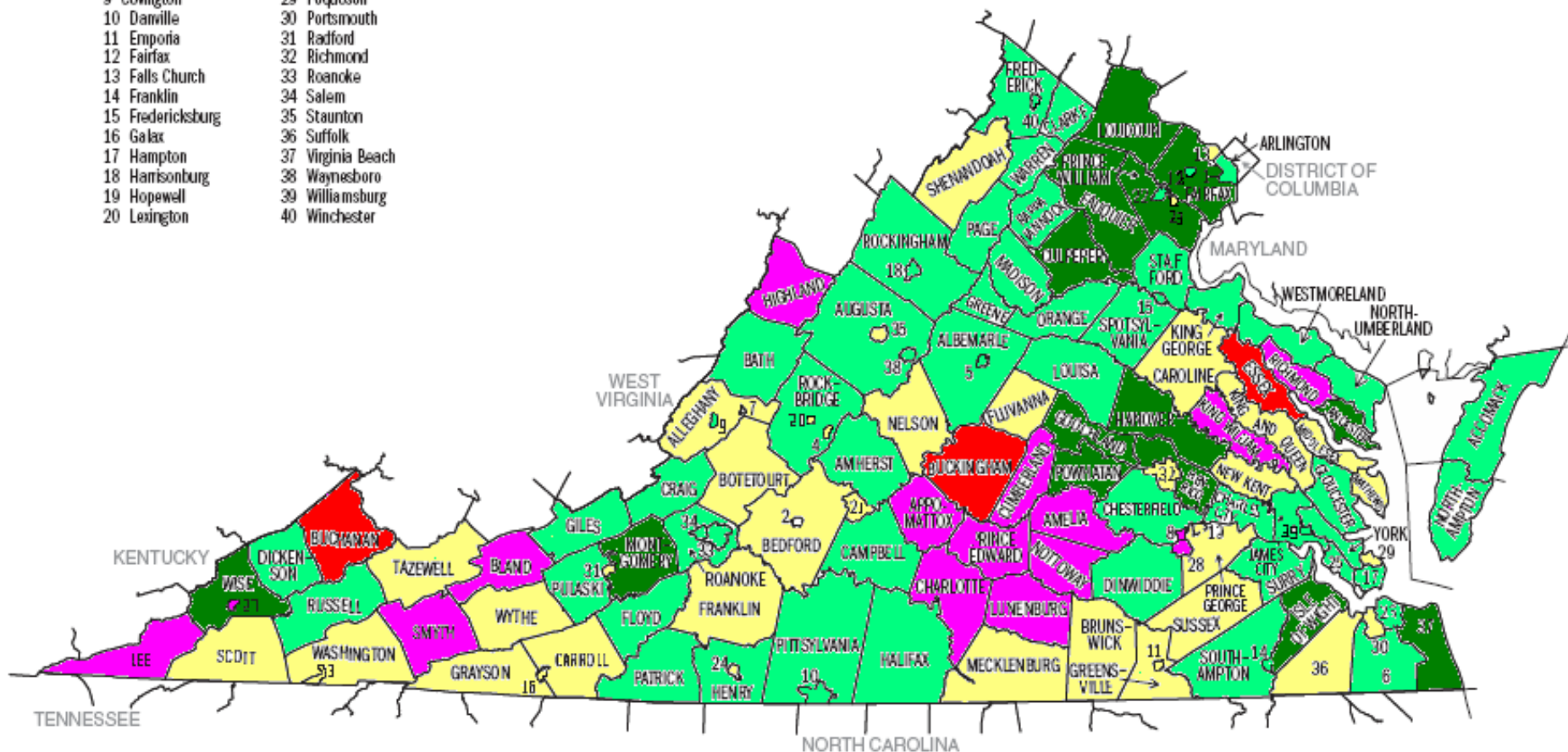


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2010 QSO Contact Analysis

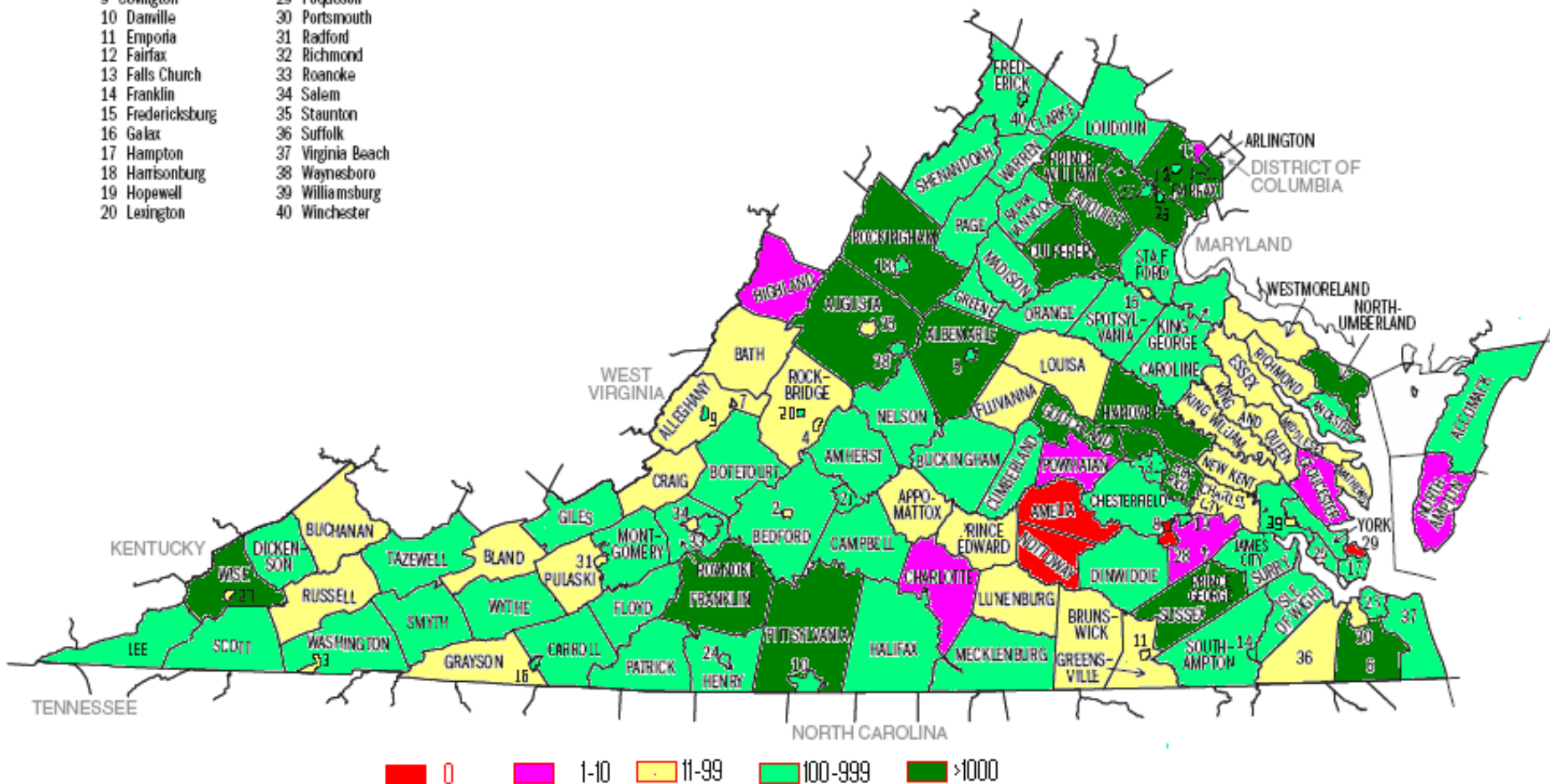


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|--------------------|-------------------|
| 1 Alexandria | 21 Lynchburg |
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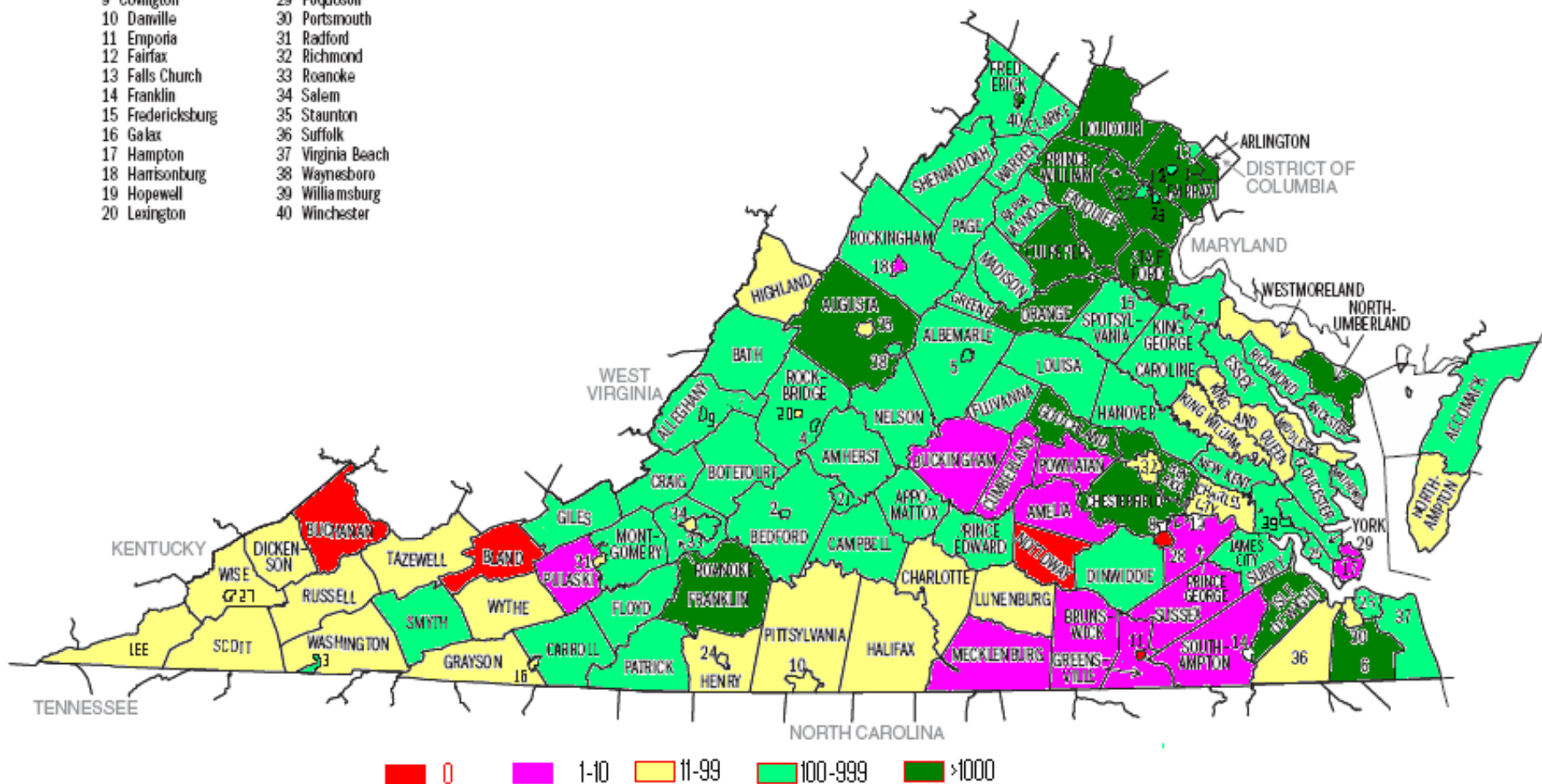


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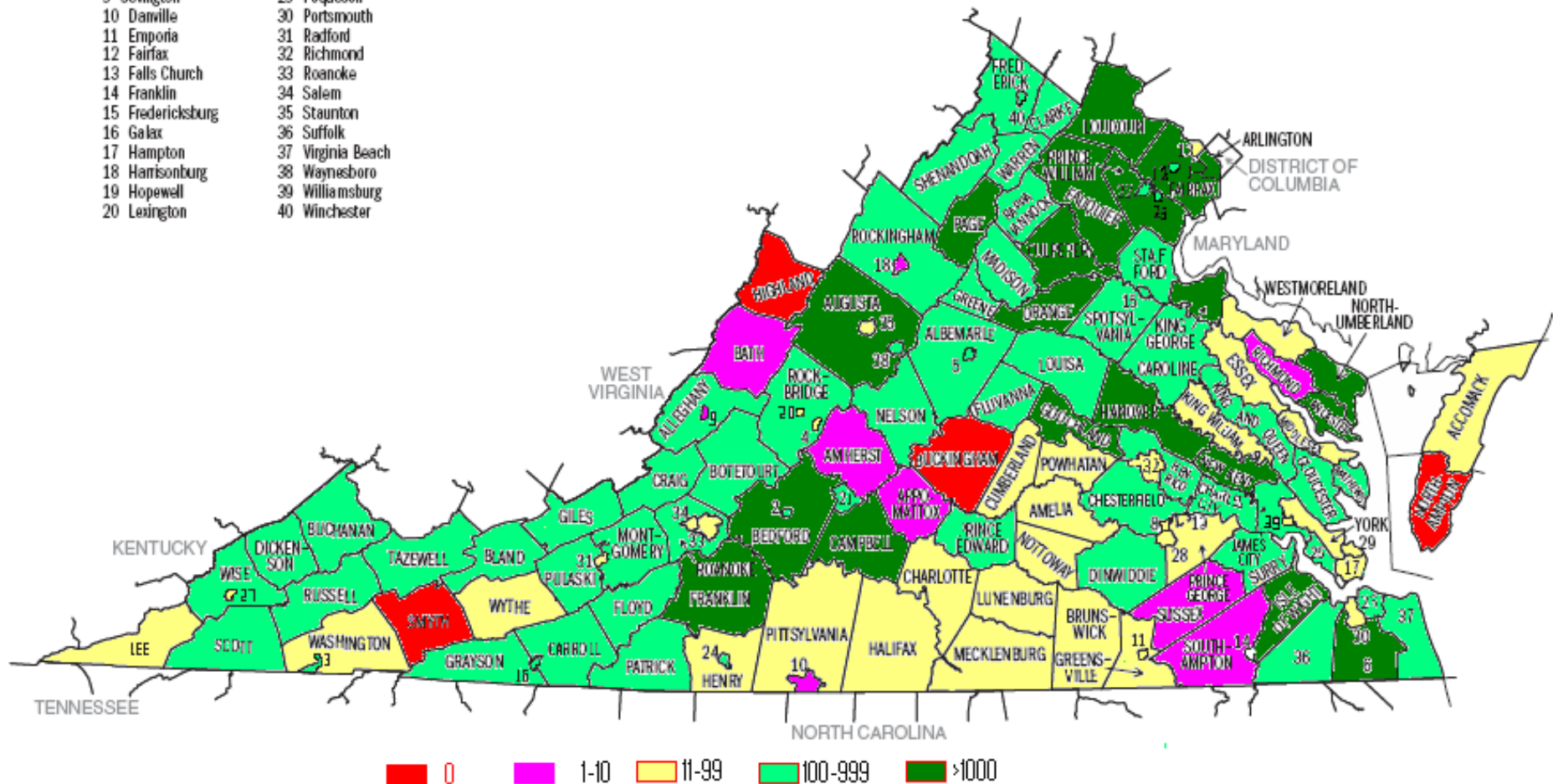
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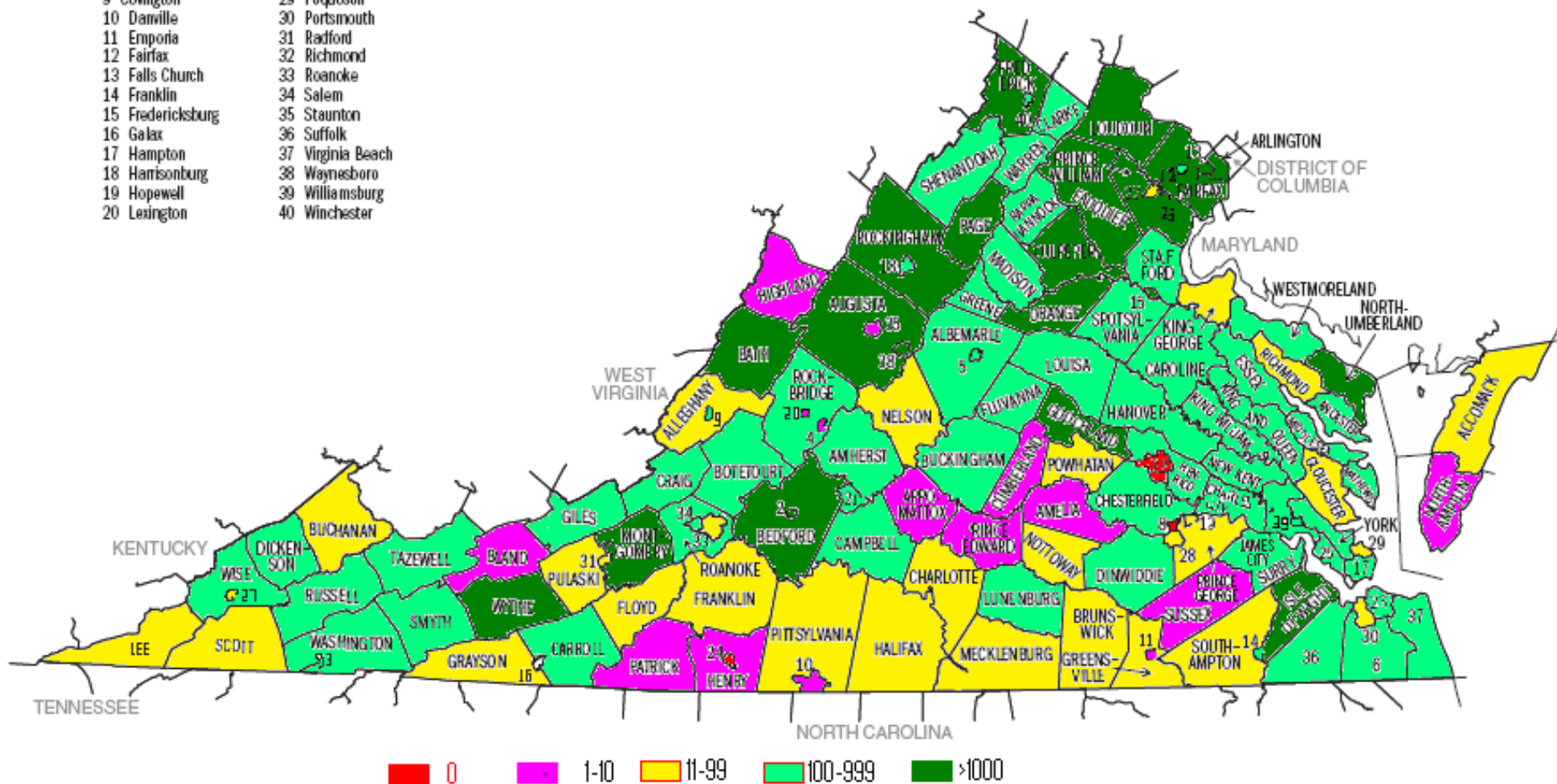
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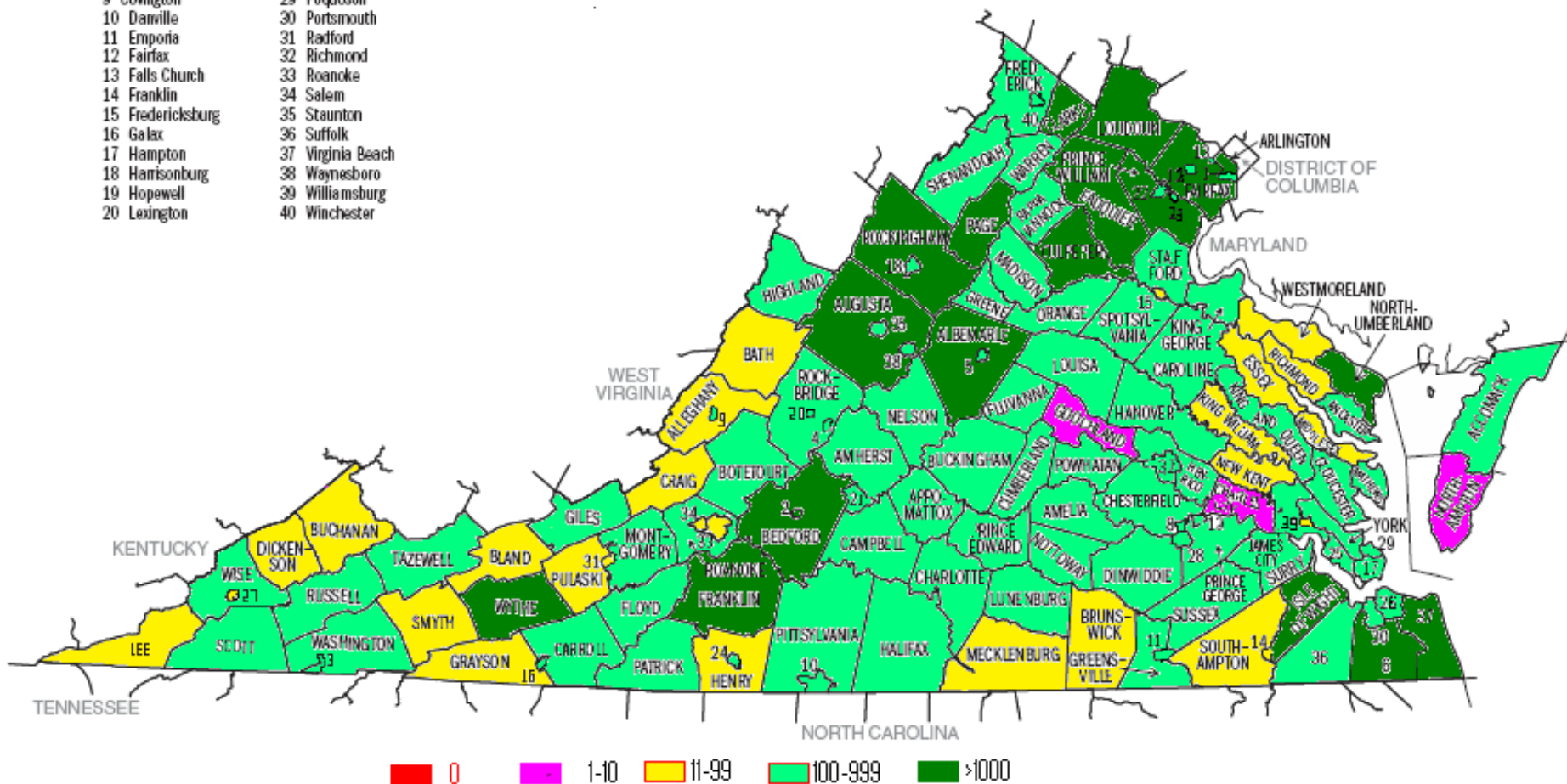
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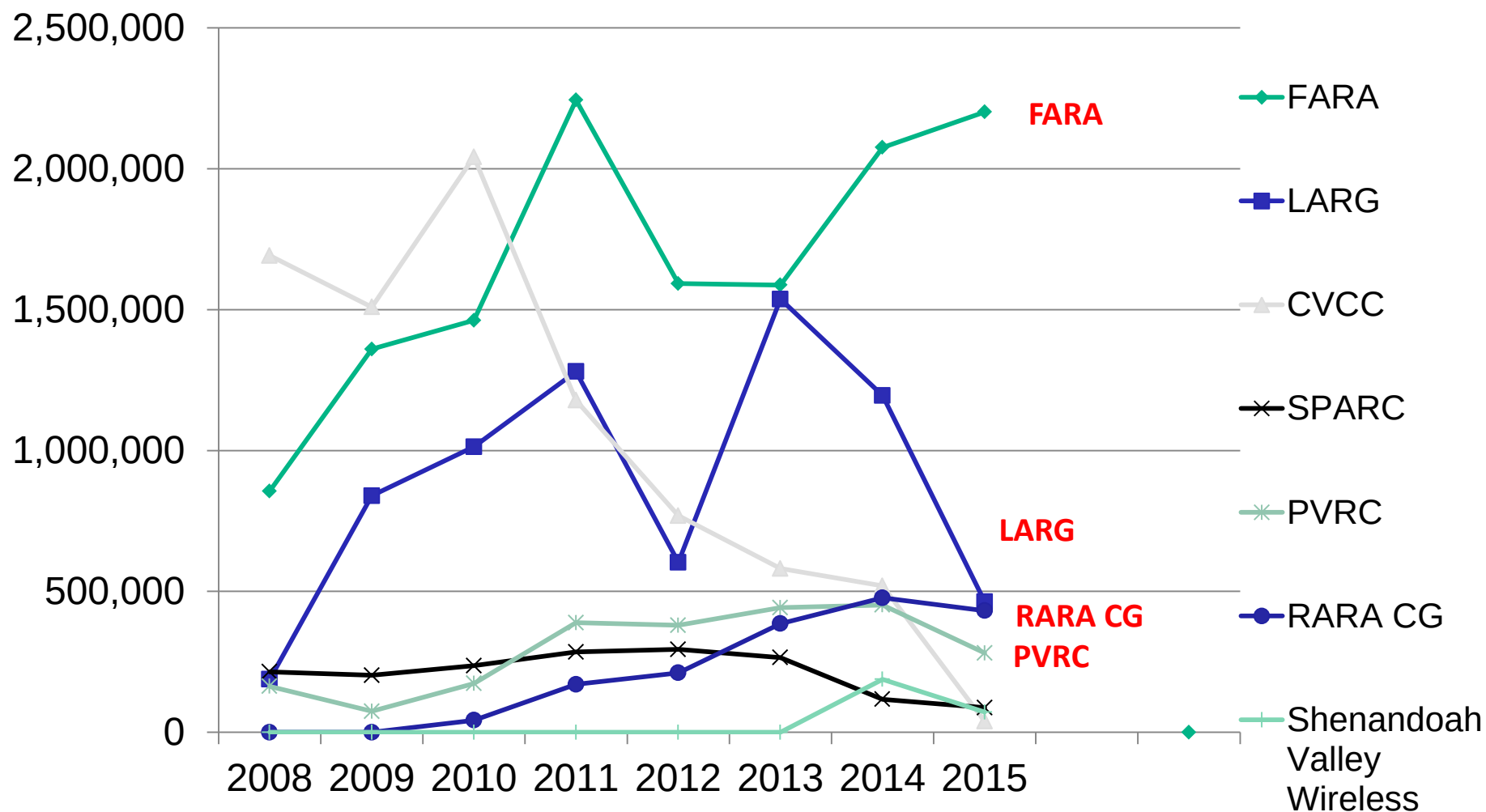
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High Club - Combined Score



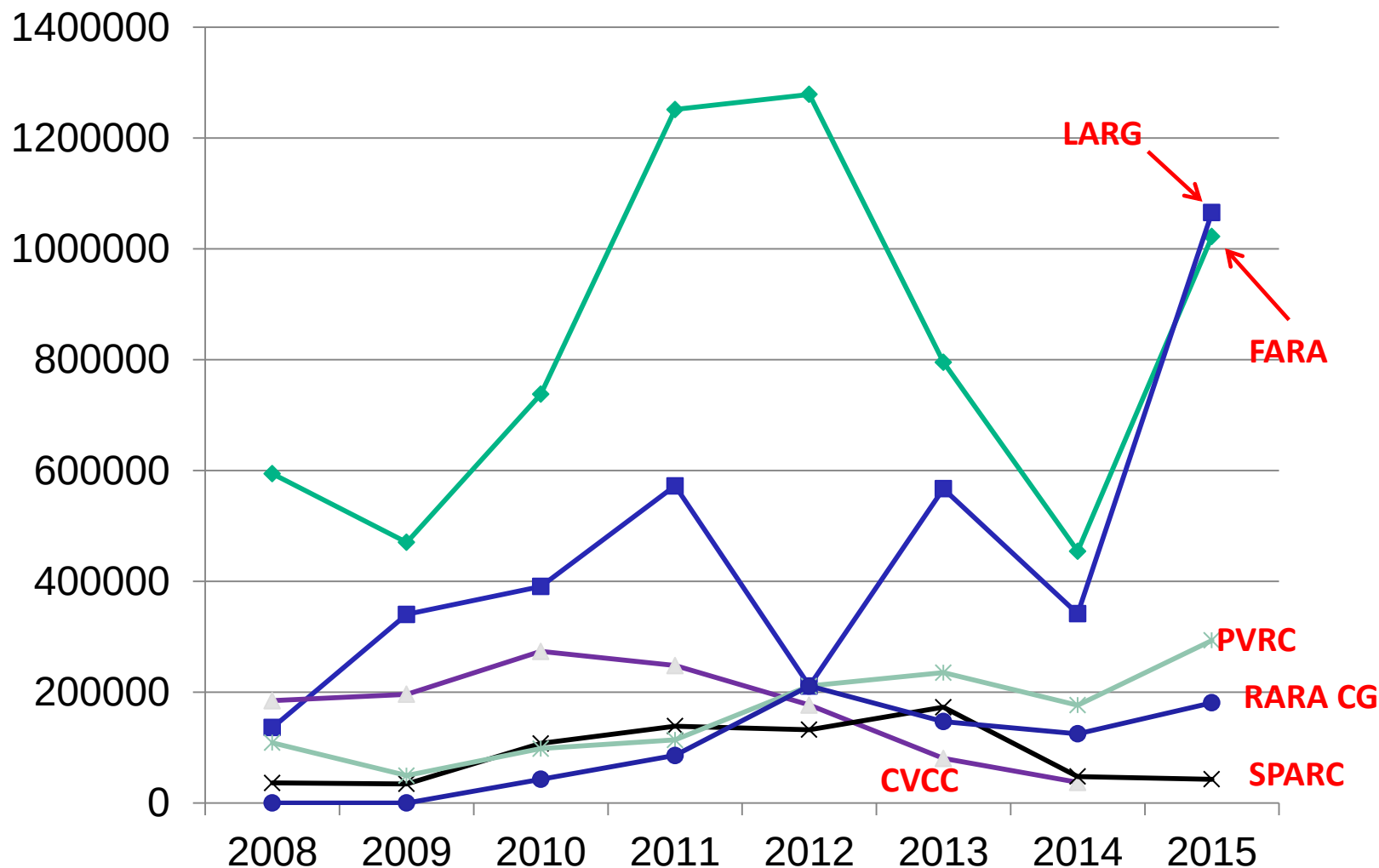
Log Counts by Club



Club	2010	2011	2012	2013	2014	2015
None Given	108	123	126	122	128	118
Fauquier ARA	35	32	27	28	29	30
Loudoun ARG	24	25	17	28	25	19
Potomac Valley Radio Club	7	8	13	14	18	16
RARA Contest Group	3	5	7	18	16	14
Ole Virginia Hams	5	4	6	12	11	12
Chesapeake ARS Inc., W4CAR	10	6	8	6	9	9
Arlington ARC	4	5	3	5	9	8
Alexandria Radio Club	5	6	13	9	7	8
Tennessee Contest Group	5	4	4	2	3	8
Shenandoah Valley ARC	4	6	14	12	14	7
Sterling Park ARC	15	11	12	15	7	7
Western Tidewater Radio Assoc	7	12	7	9	6	7
Williamsburg Area ARC	2	5	3	3	2	7
K4AMG Memorial ARC						7
Western Tidewater RA						7
Roanoke Valley ARC	11	9	10	4	5	6
Middle Peninsula ARC	2		5	2	2	6
Woodbridge Wireless Inc						6

Club	2010	2011	2012	2013	2014	2015
Page Valley ARC					4	4
Shenandoah Valley Wireless					6	3
Frankford Radio Club	4	3	6	4	5	3
Yankee Clipper Contest Club	2		3	3	3	3
Pottstown Area ARC						3
Vienna Wireless Society	3	9	7	5	7	2
Bristol (TN) ARC				3	4	2
Society of Midwest Contesters	2		2	2	4	2
Central Virginia Contest Club	10	11	10	4	3	2
Franklin County ARC	9	5	1	2	3	2
North Shenandoah DX Assoc		2	2	3	3	2
Alamance ARC				4	2	2
DFW Contest Group					2	2
Virginia Mountain ARC				2	2	2
Portage County ARS				3		2
Albemarle Amateur Radio Club	3	4	4	6	3	1
Florida Contest Group		3	5	2	2	1
Mad River RC					2	1
QCWA Chapter 119	9	7	3	3	2	1
Arlington Radio Public Service Club	6	5	3	2		1
Virginia Tech ARA				2		1
Alabama Contest Group					2	
Arizona Outlaws Contest Club				2		
Valley Amateur Radio Association				9		
South East Contest Club	2		2	2	3	

High Club – VA QSOs Only



Plaque Recipients by Club

Club	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Alabama Contest Club		1								
Alamance ARC	1		1	1	1	2	1	4	1	1
Alexandria Contest Club		1		1						
AMRAD									1	
Arlington ARC			1							
CVCC	3	3	4	3	4	2	1	1		
Fauquier ARA	4	5	3	4	7	7	9	5	7	7
Fluvanna County ARES									2	
Franklin County ARC	1	1	1	1	2	1		1		1
Gloucester County ARC									1	
Loudoun ARG	1		1		1	2	2	3	4	3
Mad River Radio Club		1	1	1	1					
Mount Vernon ARC		1	1							
None Stated / Other	3	3	3	5	4	9	9	5	5	5
Not Awarded			2							
Ontario Contest Club	2	2								
PVRC	2	3	1							1
RARA Contest Group									3	1
Roanoke Valley ARC								1	1	
Rappackers Contest Group			2	3						
Rockbridge ARC					1					
Shenandoah Valley ARC								1		
South East Contest Club	1		2					1		
Sterling Park ARC					1			1		
Tennessee Contest Group				3						
VA DX Century Club	1									
Western Tidewater Radio Assoc					2	1	1	1		1/2
Williamsburg Area ARC				1						1
The Ferguson ARC										1
Swamp Fox Contest Club										1
Chesapeake ARS										2-1/2



All Time High Scores (after 2014 VQP)

5 x New High

2x Multiple plaques



Category	Call Sign	Score	Year	Call	2015 Score
High VA Single OP High Power	N4BAA	387,466	2006	K2PI	205,796
High VA Single OP Low Power	KW4VA	389,658	2011	K1HTV	253,330
High Single OP Novice/Technician/Rookie	KJ4ZFE	60,842	2011	KM4IML	74,876
High Outside VA Single OP	N4PN	97,476	2008	KW3A	36,723
High Outside VA Phone/Mixed QRP	WB2P	27,191	2014	WN4AFP	12,096
High VA Single-Op Phone/Mixed QRP	WA4PGM	87,440	2003	N4RP	59,306
High Single OP VHF	N4RP/M	40,399	2012	KK4IML	74,876
High VA Club - Combined Score	FARA	2,243,633	2011	FARA	2,210,452
High VA Mobile Multiple Operator	WA4PGM	214,000	2008	K4EG/M	66,155
High VA Mobile Single Operator	KJ4ADN/M	164,810	2013	KJ4OAP/M	93,459
High Single OP CW High Power	K0ZR	293,189	2014	Not awarded	
High Single OP CW Low Power	N3UA	192,572	2011	K4ORD	78,653
High Multiple Op / Single Transmitter	N4A	352,226	2008	K4Z	261,424
High Multiple Op / Multiple Transmitter	W4MYA	1,178,532	2010	KW4VA	926,172
High Single Band	KJ4ADN/M	164,810	2013	KA4AQM	56,400
High SO VA Counties/Independent Cities	W4VX	105	2013	W4ZAO	108
High DX Station All Mode	CU2JT	5,882	2006	OK2EC	128
High Single Op Digital Mode	WS4V	28,368	2009	KJ4YKG	616
High VA Single OP Phone Only High Power	AI2C	288,552	2013	K5VIP	55,580
High VA Single OP Phone Only Low Power	KJ4ADN/M	164,810	2013	W4GO	115,864
High Expedition	K4EG	121,610	2011	N4TGR	57,932
High VA Club – VA QSOs Only	FARA	1,279,016	2012	LARG	1,065,914
High VA QRP CW	K4ORD	45,044	2008	W3TB	24,924
High Outside-VA QRP CW	W8TM	21,482	2008	KK4UNZ	8,272
High Single Operator - Youth	KK4BSM	57,959	2014	KJ4EYZ	86,516
High Single Operator – VA QSOs Only	K1HTV	69,265	2014	K1HTV	83,814

ROOKIE
YOUTH(13)



Virginia QSO Party

Certificates



2004 Virginia QSO Party



State Boat
Chesapeake Bay Deadrise

*The Sterling Park Amateur Radio Club
congratulates*



State Fossil
Chesapeake jennersonius

*for promoting amateur radio activity
in Virginia's 95 Counties and 39 Independent Cities
with your enthusiastic participation
in this annual event.*

Counties

Accomack
Albemarle
Alleghany
Amelia
Amherst
Appomattox
Arlington
Augusta
Bath
Bedford
Bland
Botetourt
Brunswick
Buchanan
Buckingham
Campbell
Caroline

Carroll
Charles City
Charlotte
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Clarke
Craig
Culpeper
Cumberland
Dickenson
Dinwiddie
Essex
Fairfax
Fauquier

Floyd
Frisvanna
Franklin
Frederick
Giles
Gloucester
Goochland
Grayson
Greene
Greensville
Halifax
Hanover
Henrico

Henry
Highland
Isle of Wight
James City
King & Queen
King George
King William
Lancaster
Lee
Loudoun
Louisa
Lunenburg
Madison

Mathews
Mecklenburg
Middlesex
Montgomery
Nelson
New Kent
Northampton
Northumberland
Nottoway
Orange
Page
Patrick
Pittsylvania

Powhatan
Prince Edward
Prince George
Prince William
Pulaski
Rappahannock
Richmond
Roanoke
Rockbridge
Rockingham
Russell
Scott
Shenandoah

Smyth
Southampton
Spotsylvania
Stafford
Surrey
Sussex
Tazewell
Warren
Washington
Westmoreland
Wise
Wythe
York

Poquoson
Williamsburg
Danville
Lexington
Portsmouth
Winchester
Emporia
Lynchburg
Radford

Galax
Norfolk
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Chesapeake
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Independent Cities

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Buena Vista
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Newport News
Staunton
Charlottesville



2005 Virginia QSO Party



Floral Emblem
Dogwood



State Bird
Cardinal

*The Sterling Park Amateur Radio Club
congratulates*

*for promoting amateur radio activity
in VA's 95 Counties and 39 Independent Cities with
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Counties

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2006 Virginia QSO Party



State Dog
American Fox Hound

*The Sterling Park Amateur Radio Club
congratulates*



State Bat
Virginia Big-Eared Bat

*for promoting amateur radio activity
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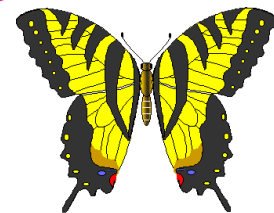
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2007 Virginia QSO Party



State Fish
Brook Trout
(adopted in 1993)



State Insect
Tiger Swallowtail Butterfly
(adopted in 1991)

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2008 Virginia QSO Party



Chincoteague Pony



Smithfield Ham

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Harrisonburg



2009 Virginia QSO Party



Virginia Peanut



Hanover Tomato

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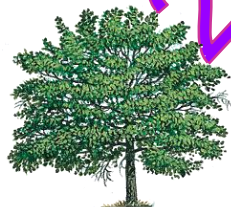
Hopewell
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Galax
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Harrisonburg



2010 Virginia QSO Party



State Tree
Flowering Dogwood

*The Sterling Park Amateur Radio Club
congratulates*



State Shell
Crassostrea virginica

*for promoting amateur radio activity
in Virginia's 95 Counties and 39 Independent Cities
with your enthusiastic participation
in this annual event.*

Counties

Accomack
Albemarle
Alleghany
Amelia
Amherst
Appomattox
Arlington
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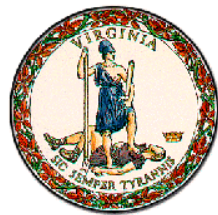
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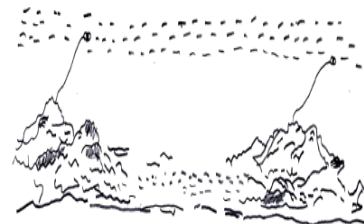


Mahlon Loomis
(1826-1886)

2011 Virginia QSO Party



The
Sterling Park Amateur Radio Club
thanks



First Wireless Telegraphy QSO
occurred between two stations
in Loudoun County, VA in October 1866.

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2012 Virginia QSO Party



1912: US Navy built "Three Sisters" radio towers. Shown behind US Army cavalry drill at Fort Myer, VA.

*The
Sterling Park Amateur Radio Club
thanks*



1913: QRV as NAA. QSO w/ Eiffel Tower and USS Delaware in Azores.
1915: wireless telephone msg to CA.

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2013 Virginia QSO Party



WRVA QRV: 2 Nov 25
Voice of Virginia / Edgewood Radio

*The
Sterling Park Amateur Radio Club
thanks*



QTH: Tobacco Row, Richmond, VA.
And WRVA/mobile

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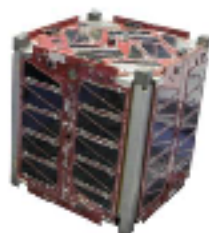
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2014 Virginia QSO Party



TJ3SAT, built by Thomas Jefferson High School, Fairfax, VA, and industry partners, was launched into space on 10 Nov 13.

*The
Sterling Park Amateur Radio Club
thanks*



Call sign: KK4PHU
Downlink: 437,320 MHz 1200 bps AFSK
Mission life: 6 months.

**«NAME», «CALL»
«CERTIFICATE»**

(CONTACTED «CIC» COUNTIES AND INDEPENDENT CITIES. SCORED «SCORE» POINTS)

*for promoting amateur radio activity
in Virginia's 95 Counties and 38 Independent Cities through
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Williamsburg
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2015 Virginia QSO Party



Vic Clark, W4KFC (SK)
ARRL President 1982-1983
When living in Fairfax County

*The
Sterling Park Amateur Radio Club
thanks*



Kay Craigie, N3KN
ARRL President 2010 - Present
Living in Montgomery County

*for promoting amateur radio activity
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2016 Virginia QSO Party



*The
Sterling Park Amateur Radio Club
thanks*

The Richmond Amateur Radio Club is the successor to the Richmond Shortwave Club and the Tri-County Radio Club.

George C. Robinson, 3GX, was 1 of 5 Virginia operators on 1913 list of amateur stations and founded the Tri-County Radio Club in April 1916.

*for promoting amateur radio activity
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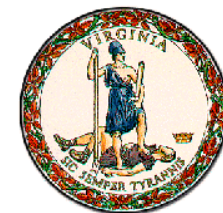
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How are we doing?

State	Logs Rec'd	Rank by Logs	Licensed Ops	% Log/Licensed	Rank by % Participation	Party Date
CA	730	1	101,062	1	6	Oct 15
FL	516	2	40,155	1.3	4	Apr 15
PA	383 *	3	23,855	2.1	1	Oct 14
VA	375	4	18,669	2.1	2	Mar 15
OH	337	5	28,459	0.9	7	Aug 15
NC	325	6	19,350	1.38	3	Feb 15
NY	301	7	27,942	0.87	9	Oct 15
MI	295	8	20,864	0.86	10	Apr-15
WA	292	9	29,900	0.89	8	Sep-15
TX	252	10	50,163	0.52	12	Sep-15
IL	213	11	20,543	1.06	5	Oct 15
AZ	128	12	17,939	0.55	11	Oct 15

We do very well!

* PA: Count of unique callsigns.



2016 Virginia QSO Party



See you on the air!

73,

Sterling Park Amateur Radio Club