

TABLE I

ANNUAL VIRGINIA NEW LAND PATENT ACREAGE

Year	Virginia Patent Acres	Rappahannock South Patent Acres	Virginia and Northern Neck Patent Acres
1664	146392	94640	146392
1665	93244	70156	93244
1666	135923	94160	135923
1667	105290	74891	105290
1668	64526	41683	64526
1669	82194	50943	82194
1670	82079	51051	82079
1671	48177	44695	48177
1672	91257	79543	91257
1673	106468	104455	106498
1674	104250	89160	104520
1675	34709	34013	34709
1676	28391	28391	28391
1677	24835	2048	24835
1678	49320	22733	49320
1679	23260	15860	23260
1680	33420	33420	33420
1681	38239	38239	38329
1682	69299	69299	69299
1683	54127	54127	54127
1684	40826	40826	40826
1685	28836	28836	28836
1686	36546	36546	36546
1687	55198	54773	55198
1688	28365	28365	28365
1689	18838	18838	18838
1690	60469	60469	63049
1691	39591	39591	51650
1692	17923	17923	28615
1693	22899	22899	22980
1694	24593	24593	46504
1695	25987	25987	46375
1696	25175	25175	34138
1697	7114	7114	13288
1698	11764	11764	14324
1699	36496	36496	39451
1700	18281	18281	19376
1701	65708	65708	65708
1702	46426	46426	46426
1703	49701	49701	49900
1704	24996	24996	51956
1705	45170	45170	52685

1706 16264 16264 27745

TABLE II
CUMULATIVE PATENT AND 1704 QUIT-RENT ACREAGE
COMPARATIVE ANALYSIS

County	Percent Patentees Among Landowners	Mean Year First Patent	Mean Matched Patent Acreage	Mean Matched Quit-Rent Acreage	Mean Non-Matched Quit-Rent Acreage
Charles City	21.1	1686	741.1	792.7	375.6
Essex	19.1	1677	529.6	571.9	375.8
Elizabeth City	8.7	1694	176.7	492.5	237.5
Gloucester	19.7	1678	374.1	684.6	364.3
Henrico	34.7	1686	985.0	1305.2	343.6
Isle of Wight	24.8	1682	737.0	688.2	518.7
James City	7.2	1681	244.7	1217.2	333.5
Lower Norfolk	33.0	1682	507.5	679.0	334.0
Middlesex	20.5	1691	174.7	807.0	303.4
Nansemond	35.4	1686	479.5	430.6	281.7
New Kent	17.9	1686	1051.9	479.5	430.6
Northampton	15.2	1674	1330.9	1141.7	432.5
Surry	19.1	1684	509.9	981.9	358.5
Warwick	12.6	1685	203.9	489.3	293.6
York	9.1	1684	259.0	678.1	276.5

All	20.7	1683	686.6	797.0	359.7

Note: Several counties were combined for this analysis:
Accomack and Northampton; New Kent, King & Queen, King
William; Lower Norfolk, Norfolk, and Princess Anne;
Charles City and Prince George.

Source: See text.

TABLE III

ANALYSIS OF NEW LAND PATENTEES APPEARING ON 1704 QUIT-RENT
LIST BY CUMULATIVE COUNTY PATENT ACREAGE GROUPINGS

Cumulative Patent Acreage	N	Percent Specu- lators*	Mean Year First Patent	Mean Quit-Rent Acreage	Mean Acreage Difference*
0-100	178	3.9	1687	522.4	457.7
101-200	169	20.1	1686	474.2	318.9
201-300	130	31.5	1686	530.5	269.5
301-400	118	40.7	1683	642.0	280.9
401-600	141	54.6	1684	661.9	153.1
601-800	93	63.4	1680	628.4	-69.2
801-1000	59	47.5	1679	1272.9	353.0
1001-1500	63	69.8	1679	921.8	-332.0
1501-2000	37	73.0	1673	1630.7	-119.7
2001-3000	28	57.1	1676	2030.0	-338.6
3001-5000	18	72.2	1678	2600.0	-1120.8
5001-10000	15	93.3	1671	3292.1	-3427.6
10000+	2	50.0	1669	10750.0	-8552.0

All	1051	38.9	1683	797.0	110.4

* Mean acreage difference equals 1704 quit-rent acreage minus cumulative county patent acreage. Negative numbers, where patented acreage exceeds owned acreage, is considered evidence of land speculation for the purposes of calculating percent speculators in each group.

TABLE IV

ANALYSIS OF NEW LAND PATENTEES APPEARING ON 1704 QUIT-RENT
LIST BY COUNTY QUIT-RENT ACREAGE GROUPINGS

Quit-Rent Acreage	N	Percent Specu- lators*	Mean Year First Patent	Mean Quit-Rent Acreage	Mean Acreage Difference*
0-100	100	68.0	1684	302.4	-216.2
101-200	182	62.6	1684	441.2	-268.7
201-300	137	42.3	1684	379.6	-111.3
301-400	116	52.6	1681	535.3	-167.7
401-600	140	30.0	1685	569.4	-49.3
601-800	86	22.1	1683	560.5	154.8
801-1000	77	18.2	1683	812.3	116.3
1001-1500	90	17.8	1684	784.0	478.1
1501-2000	45	15.6	1681	1375.9	409.1
2001-3000	37	10.8	1679	1521.0	1066.2
3002-5000	27	18.5	1679	2436.8	1289.7
5001-10000	10	10.0	1682	2393.4	4254.1
10000+	4	0.0	1669	7013.8	6908.5

All	1051	38.9	1683	686.6	110.4

* Mean acreage difference equals 1704 quit-rent acreage minus cumulative county patent acreage. Negative numbers, where patented acreage exceeds owned acreage, is considered evidence of land speculation for the purposes of calculating percent speculators in each group.

TABLE V
 COMPARISON OF 1704 QUIT-RENT ACREAGE
 AND MODERN LAND ACREAGE

County	Percent Modern Acreage	Acreage Patented 1676-1703
Accomack	67.7	25,582
Charles City	44.2	47,529
Elizabeth City	81.0	3,474
Essex	87.9	54,504
Gloucester	74.0	29,055
Henrico	94.5	99,623
Isle of Wight	67.4	51,928
James City	113.7	9,058
King & Queen	77.9	100,641
King William	56.7	36,652
Middlesex	58.7	12,600
New Kent	128.1	110,333
Norfolk	45.1	66,280*
Northampton	69.9	7,735
Nansemond	50.7	77,257
Prince George	61.9	72,336
Princess Anne	57.3	53,788*
Surry	62.6	45,023
Warwick	78.4	5,887
York	76.9	7,300

* Lands of Lower Norfolk County (1676-1690) divided equally between Norfolk County and Princess Anne County due to difficulty of separation.

Source: Thomas Jefferson Center for Political Economy, University of Virginia, Statistical Abstract of Virginia: 1966. Charlottesville, Va., 1967.
 Patent Data Base

TABLE VI
HEADRIGHT-PATENT LAG ANALYSIS

Lag (Years)	Constant	HEAD	YEAR	D.W.	R ²
0	1729000* (3.4)	79.50* (4.8)	-1003* (3.3)	1.53*	0.656
1	2212000* (3.7)	47.69* (2.4)	-1287* (3.6)	1.63	0.526
2	1896000* (3.2)	44.01* (2.4)	-1100* (3.1)	1.43*	0.492
3	2079000* (3.2)	28.58 (1.4)	-1208* (3.1)	1.20*	0.420

* denotes statistical significance at the 5% level of significance

Source: For headright certificates:

Accomack County (Nottingham, 1-64)
York County (Colonial Williamsburg abstracts)
Northumberland County (Virginia Colonial
Abstracts, County Order Books #4 & #5)
Lancaster County (Virginia Colonial Abstracts,
County Order Books #3, #3A & #4)

Note: For discussion of multiple regression analysis, see Appendix II.

$$\text{ACRES} = a_0 + a_1 \cdot \text{HEAD-L} + a_2 \cdot \text{YEAR} + u$$

where

ACRES = Virginia new land patent acreage
HEAD-L = annual headrights registered at county courts
lagged by L years
YEAR = patent year with 1664 as year 1

TABLE V II

TOTAL VIRGINIA POPULATION DENSITY
(ACRES/UNIT POPULATION) BASED ON
INITIAL HEADRIGHT ESTIMATED ACREAGE

	Year					
	1644	1653	1662	1674	1682	1699
Cumulative Acreage	449852	929566	1980529	3186721	3488194	4022941
Uncorrected Total Tithables	4370	7190	11838	13392	15162	21956
Uncorrected Tithable Density	102.9	129.3	167.3	238.0	230.1	183.2
Corrected Tithable Density	97.8	122.3	157.8	224.4	205.2	172.9
Corrected Total Population Density	55.6	64.0	77.0	99.7	86.6	64.0

TABLE VII I
 POPULATION DENSITY SOUTH OF THE RAPPAHANNOCK
 (ACRES/UNIT POPULATION) BASED ON
 INITIAL HEADRIGHT ESTIMATED ACREAGE

	Year			
	1662	1674	1682	1699
Cumulative Acreage	1476581	2366598	2610601	3144923
Uncorrected Total Tithables	9593	10852	12432	17093
Uncorrected Tithable Density	153.9	218.1	210.0	184.0
Corrected Tithable Density	145.2	205.7	187.5	173.6
Corrected Total Population Density	67.9	87.5	75.6	61.6

TABLE IX
 POPULATION DENSITY SOUTH OF THE RAPPAHANNOCK
 (ACRES PER UNIT POPULATION) BASED ON
 1663 AND 1704 QUIT-RENT ACREAGE

	Year			
	1662	1674	1682	1699
Cumulative Acreage	654476	1384307	1599356	2061563
Uncorrected Total Tithables	9593	10852	12432	17093
Uncorrected Tithable Density	68.2	127.6	128.6	120.6
Corrected Tithable Density	64.4	120.3	114.9	113.8

Corrected Total				
Population Density	30.1	51.2	46.3	40.3

Source: See text.

TABLE X
POPULATION DENSITY (ACRES/TITHABLE) BY COUNTY
BASED ON QUIT-RENT TOTALS

County	1674	1699
Accomack	281.3	232.2
Charles City	104.4	83.1
Elizabeth City	81.9	63.6
Gloucester	68.4	58.4
Henrico	135.5	190.6
Isle of Wight	143.9	169.5
James City	121.8	102.7
Lower Norfolk	129.0	157.2
Middlesex	84.6	73.0
Nansemond	62.5	143.5
New Kent	77.8	126.3
Northampton	306.3	192.4
Surry	172.5	165.9
Warwick	77.0	78.9
York	56.1	55.9

Source: See text.

TABLE XI

PERCENT POPULATION CHANGE (1674-1699)
 BASED ON 1674 DENSITY GROUPING

Density Group	N	Percent Change Population
50-75	3	20.0
75-100	4	56.5
100-150	5	69.6
150+	3	60.6

Source: See text.

TABLE XII

PERCENT POPULATION CHANGE (1674-1699)
 BASED ON 1699 DENSITY GROUPING

Density Group	N	Percent Change Population
50-70	3	36.1
70-100	3	53.5
100-150	3	46.9
150-190	3	67.8

190+ 3 67.7

Source: See text.

TABLE XIII
 MODEL OF LAND ACQUISITION (ACRES)
 IN THE COLONIAL CHESAPEAKE, 1664-1706

Model	Constant	TOBO-2	DENS-2	TACR-2	POP-2	YEAR	D.W.	R ²
1	296054* (3.1)	1413 (0.1)	- -	-0.103* (3.8)	3.444 (1.2)	1946 (1.2)	1.91	0.708
2	299667* (4.6)	- -	- -	-0.104* (5.0)	3.468 (1.2)	1967 (1.3)	1.91	0.708
3	278945* (3.6)	19060 (0.8)	-1007* (3.8)	- -	- -	-2226* (5.0)	1.77	0.686
4	-1732 (0.1)	75745* (3.3)	- -	- -	- -	-1026* (2.8)	1.43*	0.572
4AR1	5996 (0.2)	70281* (2.6)	- -	- -	- -	-1123* (2.4)	-	0.466
5	227910* (7.3)	- -	-1130* (5.3)	- -	- -	-2497* (9.2)	1.75	0.682
6	200798* (3.8)	9092 (0.4)	- -	-0.078* (4.5)	6.037* (2.9)	- -	1.84	0.696
7	218589* (12.2)	- -	- -	-0.082* (6.8)	6.386* (3.5)	- -	1.84	0.695
8	-53503 (1.0)	117404* (6.1)	-60 (0.3)	- -	- -	- -	1.29*	0.487
9	-65774* (3.5)	117847* (6.2)	- -	- -	- -	- -	1.29*	0.486
10	88033	-	-191	-	-	-	0.60*	0.009

(1.4) - (0.6) - - -

* denotes statistical significance at the 5% level of significance

Note: Absolute value of t-statistics are in parentheses.

TABLE XIV
SENSITIVITY ANALYSIS OF LAND ACQUISITION (ACRES)
IN THE COLONIAL CHESAPEAKE, 1664-1706

Model	Constant	TOBO-2	DENS-2	YEAR	D.W.	R ²
Base Case	278945* (3.6)	19060 (0.8)	-1007* (3.8)	-2226* (5.0)	1.77	0.686
Deflated Tobacco Price	279235* (3.7)	24312 (0.8)	-1003* (3.8)	-2353* (7.3)	1.77	0.687
Total Population Density	321699* (3.6)	21133 (0.9)	-2613* (3.8)	-3598* (4.8)	1.76	0.686
Post-1690 Northern Neck Patents	300953* (3.9)	14628 (0.6)	-1105* (4.1)	-1956* (4.6)	1.71	0.644
Non-Northern Neck Patents	209018* (2.9)	10388 (0.5)	-842* (2.9)	-921* (2.8)	1.34*	0.463
Quit-Rent Base Acreage	208796* (3.6)	9466 (0.4)	-1062* (4.0)	-1168* (3.8)	1.84	0.698
Lapsed Land	-14680 (0.1)	-6804 (0.3)	-134 (1.9)	34 (0.3)	2.20	0.232
Patents <500 Acres	67090* (2.7)	5776 (0.7)	-245* (2.9)	-477* (3.4)	1.24*	0.536
Patents	140161* (2.7)	5779 (0.7)	-502* (2.9)	-1017* (3.4)	1.53*	0.616

<1000 Acres	(3.5)	(0.4)	(3.6)	(4.4)		
Patents	95913	12683	-482*	-619*	1.66	0.505
>1000 Acres	(2.0)	(0.6)	(2.2)	(2.5)		

* denotes statistical significance at the 5% level of significance

Note: Absolute value of t-statistics are in parentheses.

TABLE XV

MODEL OF ANNUAL TITHABLE POPULATION CHANGE (DPOP)
IN THE COLONIAL CHESAPEAKE, 1664-1706

Model	Constant	WAGE-1	TOBO-0	TOBO-1	TOBO-2	YEAR	D.W.	R ²
1	-258.7 (0.2)	-2.36 (1.7)	1349* (2.3)	- -	- -	26.3* (4.0)	2.01	0.330
2	-276.0 (0.3)	-2.54 (2.0)	- -	1383* (2.8)	- -	28.8* (4.4)	1.97	0.372
3	661.8 (0.7)	-3.27* (2.5)	- -	- -	836 (1.9)	26.6* (3.7)	1.88	0.305

* denotes statistical significance at the 5% level of significance

Note: Absolute value of t-statistics are in parentheses.

TABLE XVI

MODEL OF NOMINAL FARM TOBACCO PRICES (TOBO)
 IN THE COLONIAL CHESAPEAKE, 1664-1706

Model	Const.	TACR-3	TACR-4	POP-1	WAGE-1	YEAR	D.W.	R ²
1	1.557* (5.3)	-0.280* (2.4)	-	-.0068 (0.4)	-	.0086 (0.9)	0.73*	0.454
2	1.511* (5.5)	-	-0.257* (2.4)	-.0081 (0.5)	-	.0085 (0.9)	0.71*	0.456
3	1.590* (6.0)	-0.151 (1.3)	-	.0277 (1.5)	-0.0012* (3.2)	-.0066 (0.7)	1.16*	0.572
4	1.550* (6.6)	-	-0.139 (1.5)	.0255 (1.3)	-0.0012* (3.2)	-.0058 (0.6)	1.16*	0.577

* denotes statistical significance at the 5% level of
 significance

Note: TACR-3 and TACR-4 in millions of acres
 POP-1 in thousands of tithables
 Absolute value of t-statistics are in parentheses.

TABLE XVII
 ALTERNATIVE MODEL OF NOMINAL FARM TOBACCO PRICES (TOBO)
 IN THE COLONIAL CHESAPEAKE, 1664-1706

Model	Const.	ACRE-3	ACRE-4	DPOP-1	WAGE-1	YEAR	D.W.	R ²
1	0.985* (12.3)	0.993 (1.5)	- -	.0091* (2.5)	- -	-.0058* (2.7)	1.03*	0.490
2	0.908* (11.0)	- -	1.561* (2.5)	.0098* (2.8)	- -	-.0041 (1.9)	1.09*	0.533
3	1.385* (8.3)	1.043 (1.7)	- -	.0710 (2.0)	-0.0008* (2.7)	-.0039 (1.9)	1.25*	0.571
4	1.300* (7.9)	- -	1.535* (2.6)	.0788* (2.4)	-0.0008* (2.7)	-.0024 (1.2)	1.34*	0.609

* denotes statistical significance at the 5% level of significance

Note: ACRE-3 and ACRE-4 in millions of acres
 DPOP-1 in thousands of tithables
 Absolute value of t-statistics are in parentheses.

TABLE XVI II
 LAND ACQUISITION (ACRES) IN THE COLONIAL CHESAPEAKE
 WITH VARIOUS PATENT LAGS, 1664-1706

Lag (Years)	Constant	TOBO-L	DENS-L	YEAR	D.W.	R ²
0	351338* (4.2)	-25606 (0.8)	-1068* (3.7)	-3064* (6.0)	1.63*	0.590
1	366559* (4.8)	-8961 (0.3)	-1241* (4.7)	-2889* (6.4)	1.62*	0.681
2	278945* (3.6)	19060 (0.8)	-1007* (3.7)	-2226* (5.0)	1.77	0.686
3	178006* (2.2)	44468 (1.7)	-699* (2.6)	-1558* (3.5)	1.87	0.671
4	94104 (1.2)	66451* (2.6)	-449 (1.7)	-1023* (2.4)	1.81	0.680
5	53192 (0.7)	72146* (2.8)	-311 (1.2)	-713 (1.6)	1.58*	0.667
6	152273 (1.7)	17371 (0.6)	-478 (1.6)	-1226* (2.5)	1.46*	0.511
7	282302* (3.1)	24371 (0.9)	-867* (2.8)	-1652* (3.3)	1.31*	0.507
8	266227* (3.1)	-34689 (0.9)	-741* (2.8)	-1633* (3.3)	1.39*	0.441

	(3.1)	(1.2)	(2.5)	(3.1)		
9	129965	12365	-409	-762	1.41*	0.368
	(1.4)	(0.4)	(1.4)	(1.3)		

* denotes statistical significance at the 5% level of significance

Note: Absolute value of t-statistics are in parentheses.

TABLE XIX

HEADRIGHTS (HEAD) IN THE COLONIAL CHESAPEAKE
WITH VARIOUS PATENT LAGS, 1664-1706

Lag (Years)	Constant	TOBO-L	DENS-L	YEAR	D.W.	R ²
0	2727* (4.5)	-398 (1.9)	-8.83* (4.3)	-21.5* (5.8)	1.86	0.540
1	2742* (4.7)	-297 (1.6)	-9.54* (4.8)	-19.7* (5.7)	2.00	0.590
2	1723* (2.9)	82 (0.4)	-7.02* (3.5)	-12.7* (3.7)	2.09	0.586
3	747 (1.4)	425* (2.3)	-4.54* (2.5)	-6.1 (2.0)	2.32	0.637
4	104 (0.2)	588* (3.3)	-2.60 (1.4)	-2.1 (0.7)	2.28	0.656
5	984 (1.6)	298 (1.5)	-5.22* (2.6)	-5.1 (1.6)	2.11	0.589
6	1910* (3.0)	-97 (0.5)	-7.49* (3.5)	-8.6* (2.5)	1.82	0.499
7	1814* (3.0)	35 (0.2)	-8.05* (3.8)	-5.3 (1.6)	0.97*	0.546
8	719 (1.8)	94 (0.7)	-3.34* (2.5)	-2.1 (0.9)	1.58*	0.453
9	356 (1.0)	124 (1.1)	-1.93 (1.7)	-0.4 (0.2)	1.87	0.359

* denotes statistical significance at the 5% level of significance

Note: Absolute value of t-statistics are in parentheses.

Source: For headright certificates:

Accomack County (Nottingham, 1-64)
 York County (Colonial Williamsburg abstracts)
 Northumberland County (Virginia Colonial Abstracts, County Order Books #4 & #5)
 Lancaster County (Virginia Colonial Abstracts, County Order Books #3, #3A & #4)

TABLE XXII

NOMINAL FARM TOBACCO PRICE (TOBO) AS FUNCTION OF LAGGED BRISTOL EMIGRATION TO THE COLONIAL CHESAPEAKE (BRIS-L), 1654-1686

Lag (Years)	Constant	BRIS-L	YEAR	D.W.	R ²
0	84.18* (10.1)	-1.67* (3.9)	-0.049* (9.9)	0.95*	0.784
1	70.37* (8.4)	-1.09* (2.5)	-0.041* (8.2)	0.78*	0.716
2	64.77* (8.1)	-0.79 (1.9)	-0.038* (7.9)	0.81*	0.702
3	62.61* (9.1)	-0.91* (2.6)	-0.037* (8.9)	0.85*	0.748
4	54.27* (13.1)	-0.98* (4.6)	-0.032* (12.8)	0.82*	0.859
5	45.88* (11.1)	-0.79* (3.7)	-0.027* (10.9)	1.44*	0.814
5AR1	44.19* (8.6)	-0.54* (2.5)	-0.026* (8.4)	--	0.729
6	39.00	-0.59* (2.5)	-0.023* (8.4)	1.20*	0.728

(8.7) (2.5) (8.5)

* denotes statistical significance at the 5% level of
significance

Note: Bristol headrights in thousands of headrights
Absolute value of t-statistics are in parentheses

Source: Tobacco prices (Menard, 1973b, 85)
Bristol emigration (A.E. Smith, 309)

TABLE XXIII

VIRGINIA TITHABLE POPULATION CHANGES (DPOP)
AS FUNCTION OF BRISTOL EMIGRATION
TO THE COLONIAL CHESAPEAKE (BRIS-L), 1654-1686

Lag (Years)	Constant	BRIS-L	YEAR	D.W.	R ²
0	6658 (1.1)	-112.8 (0.4)	-3.76 (1.1)	1.06*	0.041
1	7256 (1.2)	-35.0 (0.1)	-4.14 (1.1)	1.28*	0.054
2	8963 (1.4)	-21.1 (0.1)	-5.17 (1.3)	1.18*	0.068
3	7181 (1.1)	-39.5 (0.1)	-4.11 (1.1)	1.15*	0.049
4	10021 (1.6)	-580.6 (1.8)	-5.74 (1.6)	1.32*	0.138
5	13525* (2.2)	-782.6* (2.5)	-7.82* (2.2)	1.52*	0.234
6	13893* (2.2)	-577.5 (1.7)	-8.07* (2.1)	1.35*	0.171

* denotes statistical significance at the 5% level of

significance

Note: Bristol headrights in thousands of headrights.
 Absolute value of t-statistics are in parentheses.

Source: Tithable population totals (Menard, 1980, 157-161)
 Bristol emigration (A.E. Smith, 309)

TABLE XX

MODEL OF BRISTOL EMIGRATION TO THE CHESAPEAKE (BRIS)
 AS FUNCTION OF LAGGED TOBACCO PRICES (TOBO-L), 1654-1686

Lag	Constant	TOBO-L	WAGE	YEAR	D.W.	R ²	(Years)
-1	10790* (2.1)	-82.6 (1.3)	-1.27* (3.3)	-5.92 (2.0)	1.72	0.503	
0	16323* (3.5)	-145.1* (2.8)	-1.09* (3.2)	-9.24* (3.3)	1.93	0.594	
1	20112* (4.3)	-170.8* (3.6)	-1.01* (3.2)	-11.5* (4.1)	2.28	0.645	
2	21638* (4.2)	-171.3* (3.5)	-1.11* (3.6)	-12.4* (4.0)	2.42	0.642	
3	21500* (4.0)	-163.0* (3.3)	-1.27* (4.2)	-12.3* (3.8)	2.00	0.626	
4	15330* (2.4)	-97.1 (1.7)	-1.44* (4.3)	-8.57* (2.3)	1.88	0.527	

* denotes statistical significance at the 5% level of
 significance

Note: Absolute value of t-statistics are in parentheses.

Source: Bristol emigration (A.E.Smith, 309)
 Tobacco prices (Menard, 1973b, 85)
 English wage index (Wrigley, 642-643)

TABLE XXI
 CHESAPEAKE SERVANT REGISTRATIONS (REGIS) AS
 FUNCTION OF LAGGED TOBACCO PRICE (TOBO-L), 1660-1706

Lag (Years)	Constant	TOBO-L	WAGE-1	YEAR	D.W.	R ²
0	-2251 (1.3)	41.2 (0.6)	-0.584* (2.9)	1.53 (1.5)	1.25*	0.227
1	-1365 (0.8)	-12.7 (0.2)	-0.654* (3.3)	1.06 (1.0)	1.31*	0.222
2	84.2 (0.0)	-75.2 (1.4)	-0.703* (3.8)	0.253 (0.2)	1.39*	0.256
3	1127 (0.7)	-96.2* (2.4)	-0.707* (4.0)	0.350 (0.4)	1.45*	0.315
4	1409 (0.8)	-89.6* (2.5)	-0.671* (3.9)	0.531 (0.5)	1.44*	0.318
5	946 (0.5)	-65.4 (1.8)	-0.653* (3.7)	0.276 (0.2)	1.45*	0.279

* denotes statistical significance at the 5% level of
 significance

Note: Absolute value of t-statistics are in parentheses.

Source: Charles, Northumberland, Talbot, Somerset, and
 Prince George County registrations
 (Menard,1975,159)
 York and Lancaster County registrations
 (Menard,1977,365)
 Tobacco prices (Menard,1973b,85)
 English wage index (Wrigley,642-643)

TABLE XXIV

TITHABLE POPULATION CHANGE (DPOP) BY TIME PERIOD, 1630-1730

Time Period	Constant	TOBO-0	WAGE-1	YEAR	D.W.	R ²
1630-1730	-24284* (4.7)	246.4* (3.6)	0.580 (0.6)	14.34* (4.5)	1.40*	0.309
1630-1660	-34995* (4.0)	168.1* (4.2)	-0.276 (0.5)	21.23* (3.9)	0.95*	0.455
1660-1700	-20761* (2.6)	712.7* (2.7)	-1.479 (1.9)	12.55* (2.8)	1.41*	0.385
1700-1730	-18170 (0.5)	552.7 (0.5)	2.625 (1.1)	9.90 (0.4)	1.53*	0.131

* denotes statistical significance at the 5% level of
 significance

Note: Absolute value of t-statistics are in parentheses.

Source: Tithable population totals (Menard,1980,157-161)
 Tobacco prices (Menard,1973b,85)
 English wage index (Wrigley,642-643)

TABLE XIX
 HEADRIGHTS (HEAD) IN THE COLONIAL CHESAPEAKE
 WITH VARIOUS PATENT LAGS, 1664-1706

Lag (Years)	Const.	TOBO-L	TACR-L	POP-L	YEAR	D.W.	R ²
0	3977* (5.5)	-553* (2.8)	-1.25* (6.0)	19.1 (1.0)	33.2* (2.7)	2.48*	0.679
1	3600* (5.3)	-431* (2.4)	-1.20* (6.2)	22.2 (1.1)	32.8* (2.8)	2.48*	0.696
2	2247* (3.2)	-53.8 (0.3)	-0.862* (4.3)	22.3 (1.0)	22.8 (1.9)	2.36*	0.642
3	1118 (1.8)	322 (1.7)	-0.566* (3.2)	12.7 (0.5)	17.6 (1.6)	2.46*	0.671
4	653 (1.2)	542* (3.0)	-0.393* (2.6)	-13.1 (0.5)	20.9* (2.0)	2.47*	0.709
5	1432* (2.4)	167 (0.8)	-0.546* (3.4)	-17.4 (0.5)	27.0* (2.4)	2.30*	0.639
6	2296* (3.7)	-270 (1.4)	-0.727* (4.6)	-16.1 (0.4)	31.7* (2.7)	2.04	0.586
7	2361* (3.5)	-139 (0.7)	-0.672* (4.2)	-57.2 (1.0)	42.2* (3.1)	1.17*	0.623
8	1302* (3.5)	-35.4 (0.7)	-0.306* (4.2)	-49.1 (1.0)	24.9* (3.1)	1.90	0.560

	(3.0)	(0.3)	(3.1)	(1.4)	(2.9)		
9	708	52.3	-0.192*	-29.6	16.6*	2.13	0.435
	(1.9)	(0.5)	(2.2)	(0.9)	(2.1)		

* denotes statistical significance at the 5% level of significance

Note: Absolute value of t-statistics are in parentheses.
TACR-L in thousands of acres
POP-L in thousands of tithables

Source: For headright certificates:

Accomack County (Nottingham, 1-64)
York County (Colonial Williamsburg abstracts)
Northumberland County (Virginia Colonial
Abstracts, County Order Books #4 & #5)
Lancaster County (Virginia Colonial Abstracts,
County Order Books #3, #3A & #4)

TABLE XVIII

LAND ACQUISITION (ACRES) IN THE COLONIAL CHESAPEAKE
WITH VARIOUS PATENT LAGS, 1664-1706

Lag (Years)	Constant	TOBO-L	TACR-L	POP-L	YEAR	D.W.	R ²
0	375166* (3.4)	-45457 (1.5)	-0.113* (3.5)	5.06 (1.7)	1032 (0.5)	1.86	0.648
1	382802* (4.0)	-29869 (1.2)	-0.126* (4.6)	5.08 (1.8)	1964 (1.2)	1.78	0.719
2	296054* (3.1)	1413 (0.1)	-0.103* (3.8)	3.44 (1.2)	1946 (1.2)	1.91	0.708
3	227121* (2.5)	28121 (1.1)	-0.078* (3.2)	0.56 (0.2)	2208 (1.4)	1.94	0.696
4	167239* (2.1)	54916* (2.1)	-0.054* (2.5)	-2.98 (0.8)	2570 (1.7)	1.96	0.709
5	165359* (2.1)	55252* (2.1)	-0.045* (2.2)	-5.69 (1.3)	3094* (2.1)	1.81	0.710
6	299797* (3.5)	-7752 (0.3)	-0.062* (2.8)	-8.28 (1.5)	4016* (2.4)	1.67*	0.606

7	451637*	-56905*	-0.081*	-13.7	5764*	1.61*	0.640
	(4.8)	(2.2)	(3.7)	(1.8)	(3.0)		
8	363049*	-60006*	-0.067*	-8.09	3635	1.60*	0.525
	(3.7)	(2.1)	(3.0)	(1.0)	(1.9)		
9	146959	3590	-0.037	-1.67	1527	1.46*	0.387
	(1.4)	(0.1)	(1.6)	(0.2)	(0.7)		

* denotes statistical significance at the 5% level of significance

Note: Absolute value of t-statistics are in parentheses.

