

GEO/ADDL MSS 32

1961

Mixt Observations
on
Political Arithmetick

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Table of Generations.

25 Years Each at a Mean.

1 Generation	A Father & Mother.	2.
2.	2 Grand Fathers & 2 Grand Mothers	4.
3.		8.
4. 100 Years		16.
5.		32.
6.		64.
7.		128.
8. 200 Years.		256.
9.		512.
10.		1,024.
11.		2,048.
12. 300 Years.		4,096.
13.		8,192.
14.		16,384.
15.		32,768.
16. 400 Years.		65,536.
17.		131,072.
18.		262,144.
19.		524,288.
20. 500 Years.		1,048,576.
21.		2,097,152.
22.		4,194,304.
23.		8,388,608.
24. 600 Years.		16,777,216.
25.		33,554,432.
26.		67,108,864.
27.		134,217,728.
28. 700 Years.		268,435,456.

St Luke gives 74 Generations from
Adam to Christ.

Let it be supposed that the Oldest Son
is born, when his Father is 25 Years
Old, without resting on Longevity before the Flood.
This makes 4 Generations for Every
Hundred Years.

The Expiration of the 72^d Generation
since the Birth of our Saviour, was
in the Year 1750.

The 73^d Generation will be in 3 Years
more, in 1776.

Which being added to St. Luke's
Account of 74 Generations from Adam
to Christ, will make 147 Generations
since the Creation.

Genealogists may trace the Names of
a few Ancestors Male & Female for
a few Generations. beyond which they
commence the Chapter of Romance.

A Family traced for 12 Generations
must waste for the 300 Years. 4,096
Male and Female Ancestors
A Chain of 2048 Forefathers, & as many
Mothers.

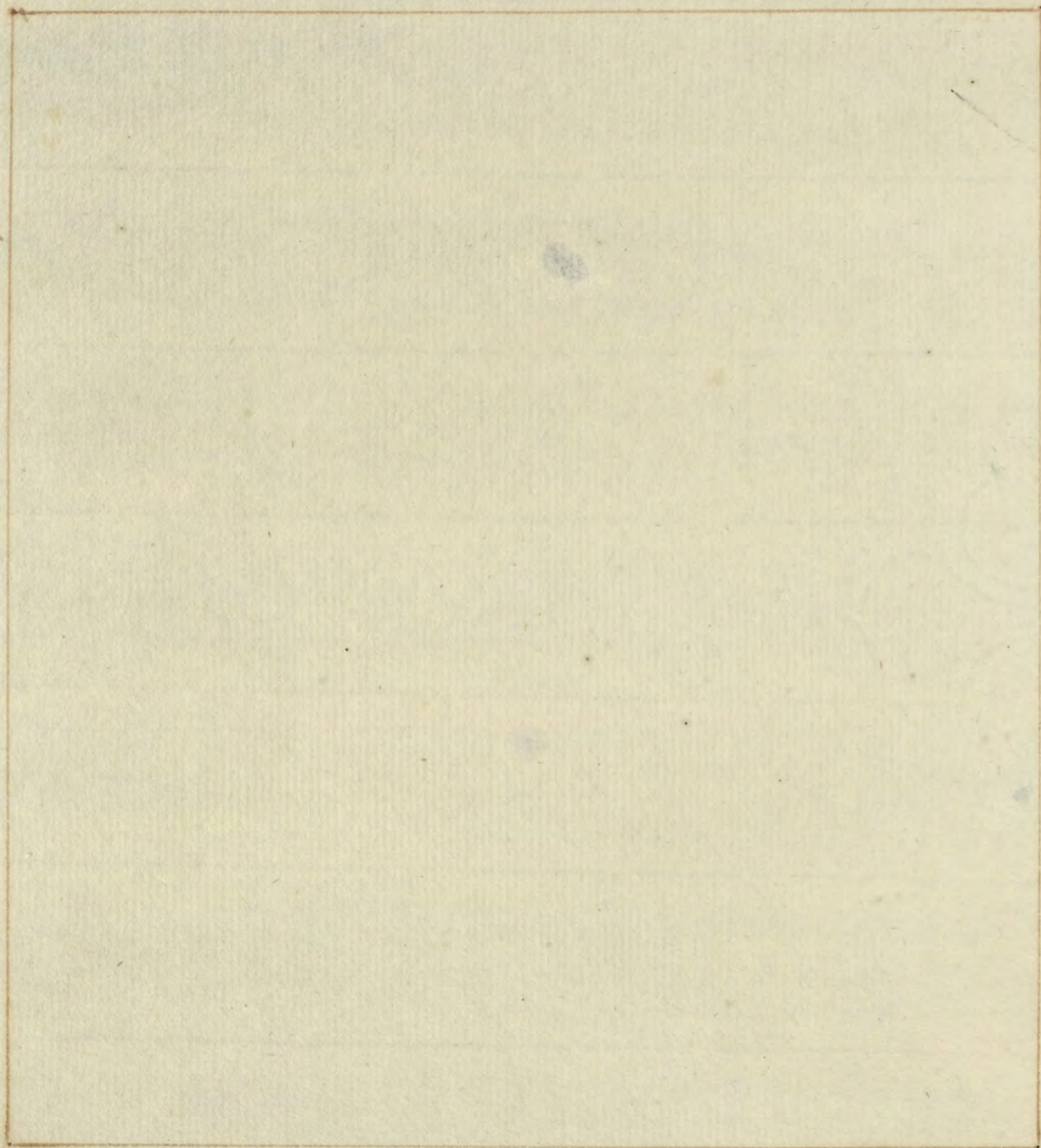
Almost every French Name in these
Kingdoms whose Father or Grand Father

1963

An Essay on

? "Duty".

(Incomplete.)



was not known to have sought Refuge
in these Kingdoms, at the wicked
Revocation of the Edict of Nantz,
pretends to trace his Descent from
the Normans, that came over with
William the Conqueror, Crowned here
in 1066.

To prove such a Norman Descent
they must go back from 1772, more than
706 Years.

They must trace rather more than
28 Generations.

To do which they must give the Names
of no less than 268 Millions, 436 Thousand
and 456 Ancestors.

Absurd, as this may appear, the
Table annexed Overleaf, proves it.

How immense so ever Population
may have been, before the Deluge,
It does not seem to have continued
with the same Rapidity since that
Epocha.

As the Lives of Men have so
greatly shortened since the Days of
the Antediluvians.

Population seems to have come to
a Crisis, and now to be lessening.

was not known to have been
in their Kingdom, at the
Revocation of the Edict of
prevents to those for whom
the Government, that can
William, the Emperor, French
in 1685.

to give such a statement
they must go back from the
700 years.
They must have rather more
22 generations.
To be which they must give
of the life than 200 million
and 1000 years.
Edward, as this may appear,
The number of years.

There is no way to see
may have been before the
It has not been to know
with the same rapidity
years.

Little more of the
greatly affected since the
The number of
Populations are seen to
a time, and then to be

4
For in the Geographical Tables^{3.}
of Vossius, and Riccioli, published
at Utrecht in 1704.

I find that they only allow, for the
Number of Inhabitants on this Earth,
757 Millions.

Europe 107 Millions.

Asia 400 Mill^l. of which they allow 200
to China.

Africa 100 Millions.

And America 150 Millions.

I must observe that out of These,
full half do not live to be 25, or to
be Fathers, or Mothers according to
S^t Luke's Calculation.

For our London Bills of Mortality
began in 1562 in the Reign of
Queen Elizabeth.

In Order to find whether the Plague
was increasing or diminishing,
Since which Time, most of the
Capitals of Europe have copied
Us.

By a Mean taken from a
Number of Years of our London Bills
of Mortality, we find.

Table of Probability of Lengths of Lives

Ages		Length of Life.		Ages.		Length of Life.	
Birth	Years	Months		Births	Years	Months.	
1.	33			41.	21	6	
2.	38			42.	20	11	
3.	40			43.	20	4	
4.	41			44.	19	9	
5.	41	6		45.	19	3	
6.	42			46.	18	9	
7.	42 highest	3	Years	47.	18	2	
8.	41	6		48.	17	8	
9.	40	10		49.	17	2	
10.	40	2		50.	16	7	
11.	39	6		51.	16		
12.	38	9		52.	15	6	
13.	38			53.	15		
14.	37	5		54.	14	6	
15.	36	9		55.	14		
16.	36			56.	13	5	
17.	35	4		57.	12	10	
18.	34	8		58.	12	3	
19.	34			59.	11	8	
20.	33	5		60.	11	1	
21.	32	11		61.	10	6	
22.	32	4		62.	10		
23.	31	10		63.	9	6	
24.	31	3		64.	9		
25.	30	4		65.	8	6	
26.	30	2		66.	8		
27.	29	7		67.	7	6	
28.	29			68.	7		
29.	28	6		69.	6	7	
30.	28			70.	6	2	
31.	27	6		71.	5	8	
32.	26	11		72.	5	4	
33.	26	3		73.	5		
34.	25	7		74.	4	9	
35.	25			75.	4	6	
36.	24	5		76.	4	3	
37.	23	10		77.	4	1	
38.	23	8		78.	3	11	
39.	22	1		79.	3	9	
40.	21	10		80.	3	1	

That, out of 1000 born in London. A.
 614 only, live to be 2, Years Old.
 526 live to be 5.
 490 live to be 10.
 459 live to be 20.
 385 live to be 30.
 294 live to be 40.
 204 live to be 50.
 130 live to be 60.
 69 live to be 70.
 29 live to be 80.
 5 live to be 90.

And out of 3391 Persons.
 Only One has lived to be 100 Years old.

Tables of the Probability of the
 Length of Life, at different Ages,
 have been calculated, and grounded
 on the Mean, or Medium, of the
 Deaths at different Ages, found in
 the Bil. of Mortality in several
 Capitals. Such as London.
 Paris.
 Vienna.
 Berlin.
 Brunswick
 Breslau in Silisia.

Of which the Table
 overleaf is the Result.

Total of 1000 persons
 31000 pounds
 320 pounds
 400 pounds
 450 pounds
 380 pounds
 290 pounds
 200 pounds
 180 pounds
 60 pounds
 20 pounds
 20 pounds
 20 pounds

Total of 3301 persons
 Total sum for food to be 100 pounds

Table of the Probability of the
 Length of Life, at different Ages,
 from various Calculations, and
 on these Tables, or, Tables, of the
 Length of different Ages, and
 the Probability of Survival
 Capital. London
 Paris
 Bremen
 Brunswick
 Berlin

By another Calculation made in 5.
England on the Number of 100,000 Souls.

7 lived to the Age of 100.
5 - - - to - - - 101.
4 - - - to - - - 103.
2 - - - to - - - 104.
1 - - - to - - - 107.

As to great Longevity.
Out of 1 Million of Burials.

7 had lived to the Age of 108.
3 - - - to - - - 109.
4 - - - to - - - 110.
3 - - - to - - - 111.
3 - - - to - - - 112.
3 - - - to - - - 116.
And 1 - - - to - - - 118.

Heaver said that Population ~~diminishes~~
diminishes.

The Grounds, on which I suppose a
Depopulation of the known Parts of this
Earth, are as follows.

Spite of Baretti's magnificent Account
of Italy, once so peopled.

Italy is scarcely cultivated for Want
of Inhabitants to cultivate the Country;
Poverty in the Countries make the
People flock to Cities, nevertheless, thinly
inhabited.

England in the hands of France

100
100
100
100
100
100

Out of 100 millions of pounds

100
100
100
100
100
100

There is a great deal of money
in the hands of the French
at present, in which they
propose to make use of this
money, as follows.

Some of the money is to be
used for the purchase of
the French fleet, and for
other purposes, which are
not yet determined.

Rome that contained many Citizens that were Masters of some Thousands Slaves.

Rome that alone was found to contain 4 Millions, 63 Thousands Inhabitants, in the Reign of Augustus Caesar, when a Lustrum was performed.

The Extent of the City of Rome & its Suburbs, being at that Time 50 Miles in Compass.

Compare this with Baretto's swelled account of modern Rome.

Sicily contained powerful, populous Kingdoms. The Vulcano remains, the Inhabitants have disappeared.

I may, modestly, assert, that Greece does not contain one Hundredth Part, of the Inhabitants, Greece once contained.

Spain & Portugal formerly so peopled, are deserted.

What is France compared to the ancient Gauls, Caesar speaks of.

France daily depopulates.

There were 20 Millions of Subjects in the Reign of Charles the 9th.

Spite of all the French Conquests since in 1700: When a Denom brement was made, there were only 19½ Millions.

I shall relate a singular Observation I made, that will shew the Misery of French Subjects; and the Probabilty of much greater Depopulation, since the Beginning of this Century.

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In the Etrennes Mignonnes for the Year 1768, published by the Authority of Government at Paris.

I found (that within a Triffle) One Third of the Children born at Paris; that Third was sent to the Infans trouves, the French Foundling Hospital.

For I found in it for the foregoing Year. Baptisms at Paris. 10,576.
Out of which were sent to the Foundling Hospital 6,025.

The North that over-ran Europe in Swarms for want of Lands to cultivate, that very North is now thinly peopled.

Poland, & Turkey in Europe are depopulated, Russia has many Thousand Acres to each Inhabitant.

The Spaniards have destroyed the Aborigines of America; It is allowed that there are not one fiftieth of the People, that were there before the Conquest.

What is Asia Major compared with the Days of Xerxes, and of Darius.

Asia Minor that contained so many powerful Monarchies, and so prodigious a Number of populous great Cities; that Country, the Earthly Paradise, is reduced to a few, three or four considerable Towns.

Egypt has shared the same Fate.

China is certainly populous: Popish Missionaries talk of twice the Number of Inhabitants in Europe 200 Millions: I do not pin my Faith on the Sleeves of Missionaries.

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8 The Interior Parts of Africa have never
been known.

As to the Shores of the Mediterranean, they
are thinly peopled, since the Roman
Conquests, their Rivals the Carthaginians
are vanished.

The Coast of Guinea since discovered,
contains whole Nations, consisting of a few
Thousands, yearly thinning.

This Depopulation is certain. The progressive
Consequence in One or two Thousand Years
more, no less deplorably obvious.

I shall conclude with Montesquieu's Opinion
on this Subject, and I shall give a few Extracts
from him, in his own Words, & Language.

La Poligamie chez les Mahometans est destructive
à la Generation.

Le Nombre de Femmes renfermées dans un
Serrail, obligées à une Continence forcée.

Le Nombre d'Hommes morts dès leur Naissance
à la Société, destinés à les garder.

Les Filles Esclaves renfermées aussi dans le
Serrail.

Le Grand Nombre de Prêtres, de Moines, et de
Religieuses qui se voient à une Continence
éternelle, devient autant d'uniques qui
contribuent à la Depopulation des Païs
Chrétiens.

Chaque Maison religieuse fait une Famille
éternelle, où il ne naît Personne, et qui
s'entretient aux Depens de toutes les autres Familles.

Cette Politique, est bien différente de celle
des Romains, qui établissoient des Loix
penales contre ceux qui se refusoient aux
Loix du Mariage.

Il faut avouer que les Païs Protestans sont plus
peuplés que les Catholiques.

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9
" L'effet ordinaire des Colonies est d'affoiblir
" les Païs d'où on les tire, sans peupler ceux
" où les envoie.
" Le Nombre prodigieux de Blancs, et de Nègres,
" n'a point rempli l'Amérique.
" La Douceur du Gouvernement contribue
" merveilleusement à la Propagation de
" l'Espèce.
" L'Angleterre, la Hollande, et la Suisse en
" seroient des Preuves.
" Si la Rage des Colonies n'avoit diminué
" les Nombres, chez les deux premiers.
" Et si la dernière n'avoit fait métier
" de mettre la Vie de ses Habitans à
" l'enchère du dernier Offrant, à toutes les
" Puissances Européennes.

1. L'effort redoublé des Français en 1792
2. Le Jour de la Bataille de Valmy
3. Le Jour de la Bataille de Fleurus
4. Le Jour de la Bataille de Marston
5. Le Jour de la Bataille de Mons
6. Le Jour de la Bataille de Landen
7. Le Jour de la Bataille de Rocourt
8. Le Jour de la Bataille de Raucourt
9. Le Jour de la Bataille de Leignin
10. Le Jour de la Bataille de Froidmont
11. Le Jour de la Bataille de Veerle
12. Le Jour de la Bataille de Veerle
13. Le Jour de la Bataille de Veerle
14. Le Jour de la Bataille de Veerle
15. Le Jour de la Bataille de Veerle
16. Le Jour de la Bataille de Veerle
17. Le Jour de la Bataille de Veerle
18. Le Jour de la Bataille de Veerle
19. Le Jour de la Bataille de Veerle
20. Le Jour de la Bataille de Veerle

