c11 Population

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Pop-n

Immigration

1. History

Who wants immigrants? Who not? Dim. returns tells that.

p. 721 "What Indians remained" – are more.
Since revolution, negroes have ~~about~~ declined, relatively.
1882, Chinese exclusion Act. 1907, Japanese.
1917, literacy test – "one can or cannot read" – should know better.
1924 Law – Red scare (you know, idea that Am's are so dumb that they'll fall for any line a bunch of illiterate immigrants hand them)

150,000/yr, national origins basis. Quota, weighted.

Those we call non-assimilable arrived when opp. not so open.

Wetbacks.

Non-assimilability – change in immigrants, or in us? Mormons. Fractional water

2. Advantages of mobility of labor

– a Produce more – dim. returns law. Distribute better.

b. Avoid war – 19th. Resentment of Japan vs Australia & U.S. Unify world.
We modify by for inv., Efor trade.

c. Keep vigor – every restriction has been sick, declining country.

d.

3. Disadvantages. – largely political.

a. Slow assimilation – disunited country

b. Overproduction? ~~Over~~ Drive down U.S. standards? Opposite problems, solve each other. Crowding won't lower – dim. returns doesn't apply to whole nation, nec. Many say U.S. still in stage of increasing returns. Dudley Stamp, lists as one of underdeveloped countries.

~~Go thru Kiekhofer~~

Tues.

vs Malthus:

No dim. rets to whole society.

2 good reasons

1. Distrib. costs lower

   access to others, less xpstn, time & road bldg.

   P.U.: power, phone. Graph of decr. costs.

   Cheaper; & new possibilities. CVP; L.A.; Carolina water.

2. Div of labor, extent of mkt.

   any mkt, beyond it, ~~#~~ projects non subsngnt, need many buyers, or sellers.

   New products, specialized, use resources more effic.

   Keener comp-n

   Quicker turnover

   Like embers

   Δ alternatives, new combos.

Why trouble?

Malchitr. of pop.

Breakdown of ec. org.

Japan

China

2 kinds of chronic pessimists, have always with us: Malthusians & their opposites, overproductionists. Or both together. Icelandic gloomy Gusses.

~~Both bad imply "Why Don't waste yr. time being sociably minded." What's the use?~~

Will discuss both. Malthus first.

Forget "geometric & arithmetic" —

Essentially 2 parts to thy

a. Δ welfare means Δ pop.

b. Δ pop. hits dim. ret.

Both wrong.

a. Δ welfare ≠ Δ pop?

Not so simple? Often just opposite.

i. Poorer families have more children

ii. Poorer regions, e.g. W. Va., poor foothill people in general, so. in gnrl, more children. Mormons. French Canad.

iii. Poorer nations — Russia, Japan, China, India, E. Eur. .... not NW Eur.

No one really knows why people reproduce at various rates. Religion? Maybe — but Catholic France & Ireland lowest of all. Urbanization? Often — but again, look at Fr. & Ireland.

Govt policy? Cd. be. Baby subsidies (direct, free med. care, [public ed.? - hardly, keeps them from work], tax deductions)

Empl. opp for young.

War? Usually, yes -- opposite to Malthus. 2d ww esp, great change in trend.

Paternalism? Usually. Am. Ind. e.g.; Civiliz-n from the top down. British in Rhodesia? or Tang? Beneficiaries build up no habits of responsibility & restraint.

Nutrition? Some biologists say so. Hunger Δs libido in rats, also ovulation — survival mechanism?

Boredom — India's nat. pastime.

Gnrl conclusion: Δ living standards likely to lower births. Peace, too. Malthus' '4 horsemen' opposite of truth.

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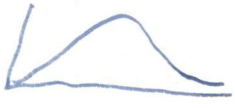
6. Δ pop hits dim. ret?



Not nec. Are great advantages from living closer.

U.S., as pop Δ, to have living standards.

Pioneers, great handicap was isolation. Every man did most things for self. Little specialization.

As 2d fmr comes, where locate? as near as possible.

W. A pop. cd. begin to specialize. In community, get doctor, preacher.

Comm. grows, afford to build r.r., Then contact outside world, grow for mkt, get more, put land to use best suited. Buy equipment you need cheaper abroad.

Town grows.... & as grows, mkt gets big enough to allow of more & more specialized stores.... & more than one, competing.

& as mkt grows, new factories possible --- need wide mkt to make possible — also need much labor pool, & wide contacts to buy raw materials.

Public utilities — phones, roads, electr., gas, etc, that require compact pop.

Finally, begin river basin projects.

Assoc.-n of minds, specialized researchers, teachers, science advances. Atomic energy. Oceanography. desalting ocean water. Chlorophyll. No limit.

So no fear of limits of earth. — nor of science. Only limits of social org. "Div'n of labor limited by extent of mkt" — & we break up mkts by tariff, excises, income tax, etc ad inf. Japan e.g.

Maldistribution of pop. a problem

Main points vs. Malthus

1. Teeming areas not poorest. Myth of teeming Orient. Pop. data.
When U.S. had depression, people left, '31-'36. I.e. when social org broke down.
2. Man controls reproductive forces of his means of subsistence, so analogy to animals no good.

3. ~~Many~~ Great poverty most correlated with bad inst.s, not dense pop. -- give some figures. Chile. Poverty mid plenty
Problem is not crowdg, but maldistribution of labor.
4. Dim. returns, to labor on one piece of land. May not apply to all society, as more specialization made possible.

5. Vast unused resources! & misused 94% India's water. Much of Cal's --- & now Ionics.

6. Change in habits, as people acquire intelligence to improve conditions, find pleasures other than large families --- & learn to control them, too.

7. Contradicts overproduction thy! farm surpluses. Brakes on prodctn. 2 Icelanders - gloomy Gusses.

8. In poor countries, not all product goes to producers. Power to produce subsistence far greater than production of it -- luxuries, armies, etc take much.
9. Man's desires Δ as his wealth does -- so he has fewer children.
Desire for knowledge -- that really lowers b.r. Given leisure, animals multiply -- man develops.

10. Tho mgnl wage may be lower in dense country, it has much rent, too.

11. If men raise themselves, become responsible. If others do it for them, may just procreate.

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2 solutions:

Restrict pop. by law
~~Improve social~~ Organize society better; use scientific advances. Stop war, waste.

"Over pop." - loaded. Means in speaker's opinion, solution is to reduce pop. But are also other possibilities. Italy.

Mc Connaughey:

as feed people better, b.r. falls.

a. Biological

Hi repro. a protective device of nature – closer to death more repro. In war, Δ b.r., crisis brings physiol. changes.

~~Protein in diet~~ liver inhibits estrogen.^ When impaired, hi libido, hi egg production. Poor, hi starch,

Sloanaker's rat exp.s.

b. Psych.

Undernourished, lethargic, few interests in life. ~~Fanait~~

India, nat. pastime is cop-n.

c. Ec.

Very poor, children are their labor force, & old age insurance

Accordgly, b.r. falls as standards Δ.

also, limitg factor, poor countries, often^ energy & strength of men, not land.

Better diet Δs output per man.

Period of preliminary starvation, followed by good diet, increases life span.

Goodwin, 1793 - anarchist - human perfectability.
Great influence. Malthus vs him.

Emphasizes how Malthusian theory condones poverty.

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Malthus vs birth control - pro moral restraint. But neo-Malthusians pro birth control.
Francis Place; Galton (eugenics)

Is anything in Darwin to support Malthus? - Analogy good?

b.c. has not op.d for eugenics, but opposite.

Vogt, leads neo-Malthusians
Vogt pro tariffs, to keep out products of cheap labor from India etc.

vs. Malthus

1. Best fed nations have lowest b.r. (how about Eur. when growing?)
2. W/in countries, poorer produce more children per cap.
3. Latin Am. .. 2/3 under-nourished, sparse pop.
4. Food surpluses, plowed under.

5. Is mostly not quantitative, but qualitative starvation.

Animal proteins esp.

Studies of rats, feeding on diets of different groups, get same anthropological contrasts. Sikhs vs Madrissi Kikuyu vs another tribe.

Shetland ponies – in 2 or 3 grntns in US become big ponies.

Short stature not genetic, but from hunger.

Hunger makes susceptible to disease. Parasites. – affect them more.

Weaker, less productive.

Greece, N. Brazil, sprayed DDT

China, fms so small, not bcs of land shortage, but fms too weak to till more, with primitive methods.

Large Chinese families, for old age insurance.

Dolce far niente, "strictly from hunger." Indolence. Latin Am. No excess vigor, no other amusements but sex. In India, "copulation is the national pastime".

& physical factors. Sloanaker's rat experiments.

Sloanaker's experiments.

Proteins of animal origin - experiments show higher protein diet reduces b.r. - rats.

Liver destroys excess estrogens in female. If liver impaired, as in Orient, ↓ libido, & egg production.

Greece, reduced malaria, result was ↑ food production, not ↑ pop. Because ~~food~~ they become much more productive w more food, work much harder, get over hump. Better diet slows reproduction.

Basic errors of Malthus.

1. Took pop. as indep. vble
Actually, responds to social &
ec. conditions.

2. Near limit of food
production. False – needs
healthy humans to work it.

Hi food p, U.S. now, Δ pop?
Biological fact, species reproduces
faster if near extinction.

Hunger, most, not generalized, but
key elements. – animal protein, McC.
stresses. – but not sure if

Area. West 310,298
East 53,920
364,218 sq. mi

Pop.
75.6 m (West 33.6 m
(East 42.1 m

Figs. to 208/sq mi

c. 1950.
Source: Pakistan Embassy

via Shahzada M. Alam

What country has lecst dense pop in Eur? Lowest living standard? Russ. Africa, least dense continent.

What has happened to U.S standard as density rose?

Source?

Denm

Pop 4 m (est '46)

Area 16,576 sq. mi

16 | 4,000. → 250.

32
80

India 280 m

1,100,000 sq m

1,1 | 280,0. → 254.

22
60

With Unaffiliated princely states in Ind

390 m

1,583 t sq mi

1,583 | 390,000

1.6 | 400. → 250

32
80
80

??? Pakistan 90 m

692,000 sq. miles? 215 t sq mi

492,000 " "

275 | 90,000. → 328

825
750
550
200

Fr 65 m ~~sq mi~~ pop

138 t ~~sq m~~

142 | 65,000. → 464

56
90
84
6

Note low density of these princely states:

	pop	area
Ind + Pak	390 m	1,375,000
Ind + Pak + Princely	390 m	1,583,000
Princely	20 m	208,000

208 | 20,000. → 96

1872
1280
1248

France

40 m pop

212 t sq m.

2 | 40,000 → 200.

213 | 40,500. → 190.5

213
1920
1917
30

Italy

45 m pop

120 t sq m

12 | 45,00. → 375.

36
90
84
60

Spain

26 m pop

195 t sq mi

200 | 26,000 → 130.

Eng excl. Wales & Sc.

38 m

50 t

50 | 3800 → 760.

UK 47 m

93 t sq m

100 | 50,000 → 500

Phillipines:

16 m
115 t

140.
115 | 16,000
115
450

French Indo China

23 m
286 t sq

87.
286 | 25,000
2288
2120

Siam

16 m
200 t

80.
200 | 16,000

Burma

14 m
230 t

60.
230 | 14,00
138
20

China

450 m
4,415 t sq mi

100 ✓
4,415 | 450,000
4415
2500

U S, continental

150 m
3 m sq mi

50
3,000 | 150,000

With Alaska, & possessions 3,673 t

Japan

73 m
142 t

514.
142 | 73,000
710
200
142
580

So:

Japan, probly densest pop in world, only twice Denmk. Most of underdev. wld, teeming hsa, less dense than Denmk. So sparse pop not cause of Danish prosperity. US, maybe; but Denmk is as densely pop as any ag ctry.

It is not that Danes have more; they use what they have better.

Pop of world, 1925, cd. live in circle radius of 75 miles, at density of Paris — & much of Paris unused. — parks. & very poorly improved.

Bm. 700

Spokane, c. 1400