

Salovey - Emotional Intelligence (EI)



- First called social intelligence.
- The ability to perceive, express, understand, and regulate emotions.
- Some studies show EI to be a greater predictor for future success than IQ
- Emotionally intelligent people are:
 - Self-aware
 - Able to read others
 - Able to delay gratification
 - Able to avoid being overwhelmed by anxiety, anger or depression

Emotional Intelligence Questionnaire:

Reverse your values on numbers 5,28 and 33 and add these values to the rest of the numbers in front of the other numbers.

ACCDN
DIGITAL NETWORK

State Farm
CLEMSON

State Farm State Farm

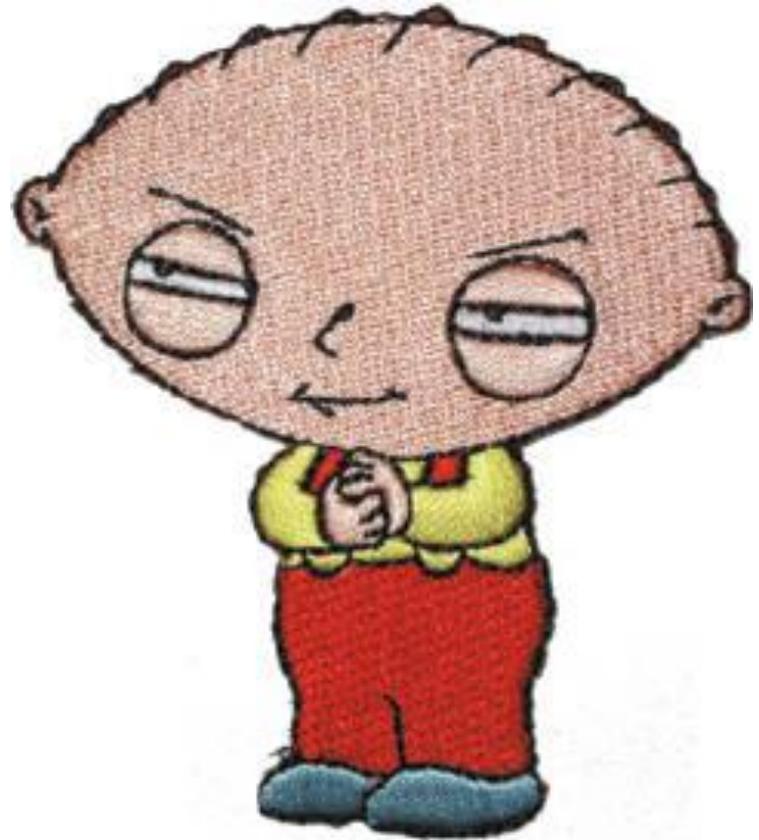
LITTLEJOHN

ACC NETWORK	SYR	S	79	CLEM	Paw Print	81	2ND 7.0
			BONUS +			BONUS +	POSS: CLEM

Brain Size and Intelligence

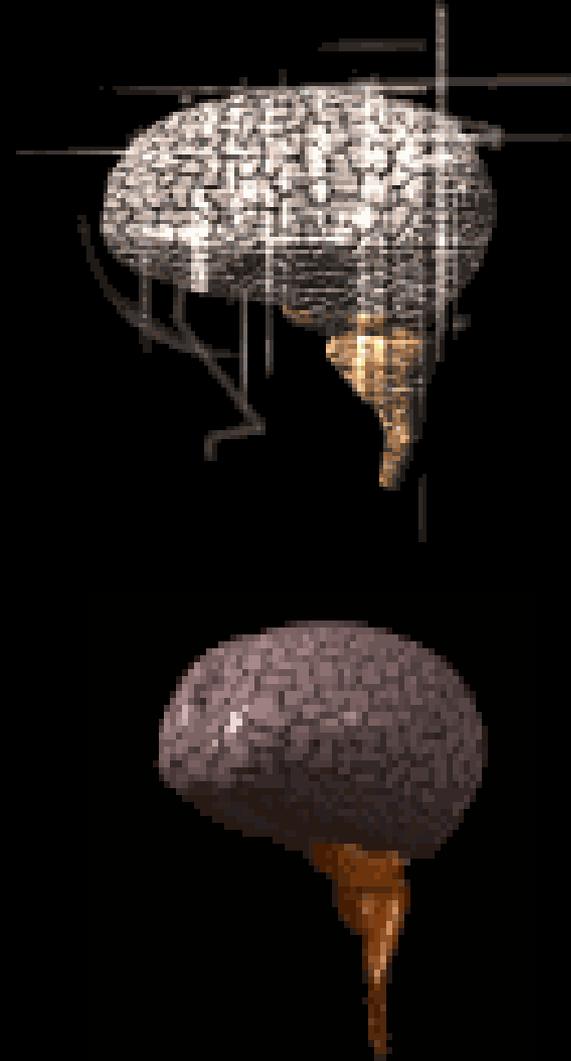
Is there a link?

- Small $+0.15$ correlation between head size and intelligence scores (relative to body size).
- Using an MRI we found $+0.44$ correlation with brain size and IQ score.



Brain Function and Intelligence

- Neurological processing speed is also a bit quicker in people with high IQ's. (They perceive stimuli faster, retrieve info more quickly.)



How do we Assess Intelligence?



- Alfred Binet and Theodore Simon established a concept called a **mental age** (what a person of a particular age should know).
- They discovered that by discovering someone's mental age they can predict future performance.
- Hoped they could use test to help children, not label them.

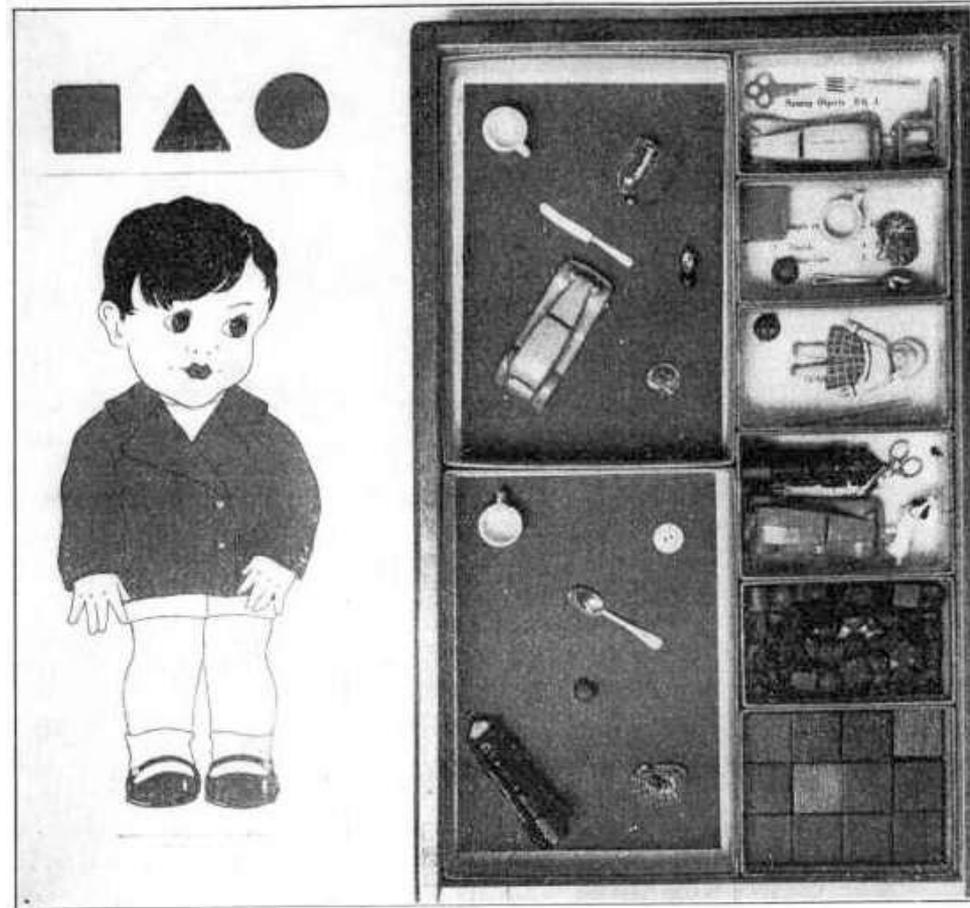
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"The five candles represent his mental age."

Binet-Simon Test

- The test had four important distinctions:
- Scores were interpreted at their current performance
- Used to identify students in need of help, not label them or categorize them.
- Emphasized that training and opportunity could affect intelligence.
- Was empirically constructed





What do scores mean?

What to do if you score low on an IQ test?

- Lewis Terman, of Stanford University, began with a different assumption than Binet; Terman felt that intelligence was unchanging and innate (genetic).
- He created the “Stanford-Binet Test”



Study, and develop self-discipline and attention span.

$$\text{IQ} = \frac{\text{mental age}}{\text{chronological age}} \times 100$$

Remove your genes from the population (eugenics).



Terman (from Stanford) and his IQ Test

- A 8 year old has a mental age of 10, what is her IQ?
- A 12 year old has the mental age of 9, what is his IQ?
- Used Binet's research to construct the modern day IQ test called the Stanford-Binet Test.

$$\text{IQ} = \frac{\text{mental age}}{\text{chronological age}} \times 100$$

Coming to America

- The idea of IQ testing became popular in America for three reasons:
 - A huge increase in immigration
 - New laws requiring universal education
 - Military assessing new recruits for WWI
 - Despite its utility, IQ testing had a big downside. Tests ended up reinforcing prevailing prejudices about race and gender.
 - Ignored was the fact that environmental disadvantages limit the full development of people's intellectual abilities.

The Normal Curve and Stanford-Binet IQ Scores

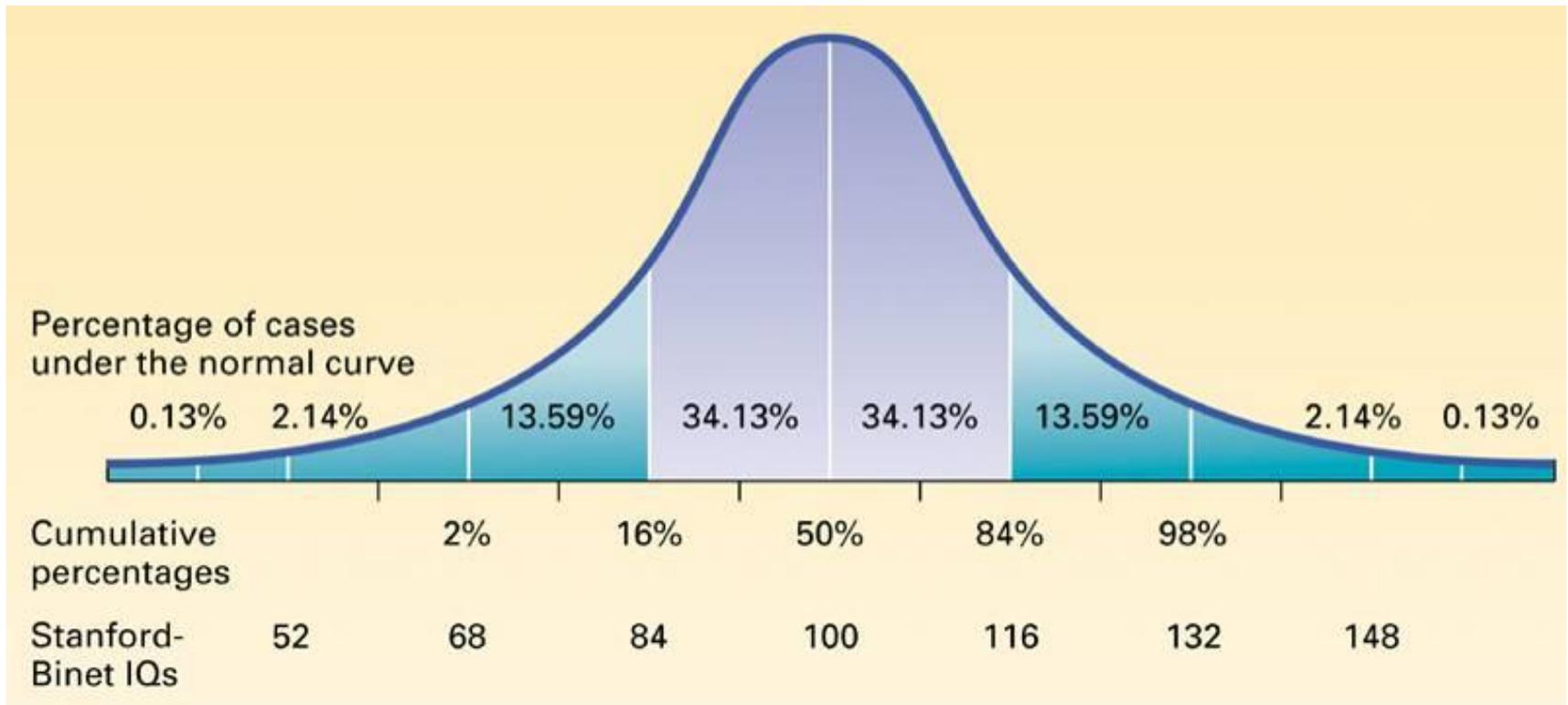


Fig. 8.1

Changes in how *intelligence* is defined: Binet v. Terman

- Binet: intelligence malleable
- Terman: intelligence is inherited and stable



**Eugenics Seeks to Improve the Natural, Physical,
Mental and Temperamental Qualities of
the Human Family**



**CARNEGIE INSTITUTION OF WASHINGTON
DEPARTMENT OF GENETICS**

The Eugenics Record Office, Cold Spring Harbor, Long Island, N. Y.

Founded by Mrs. E. H. Harriman

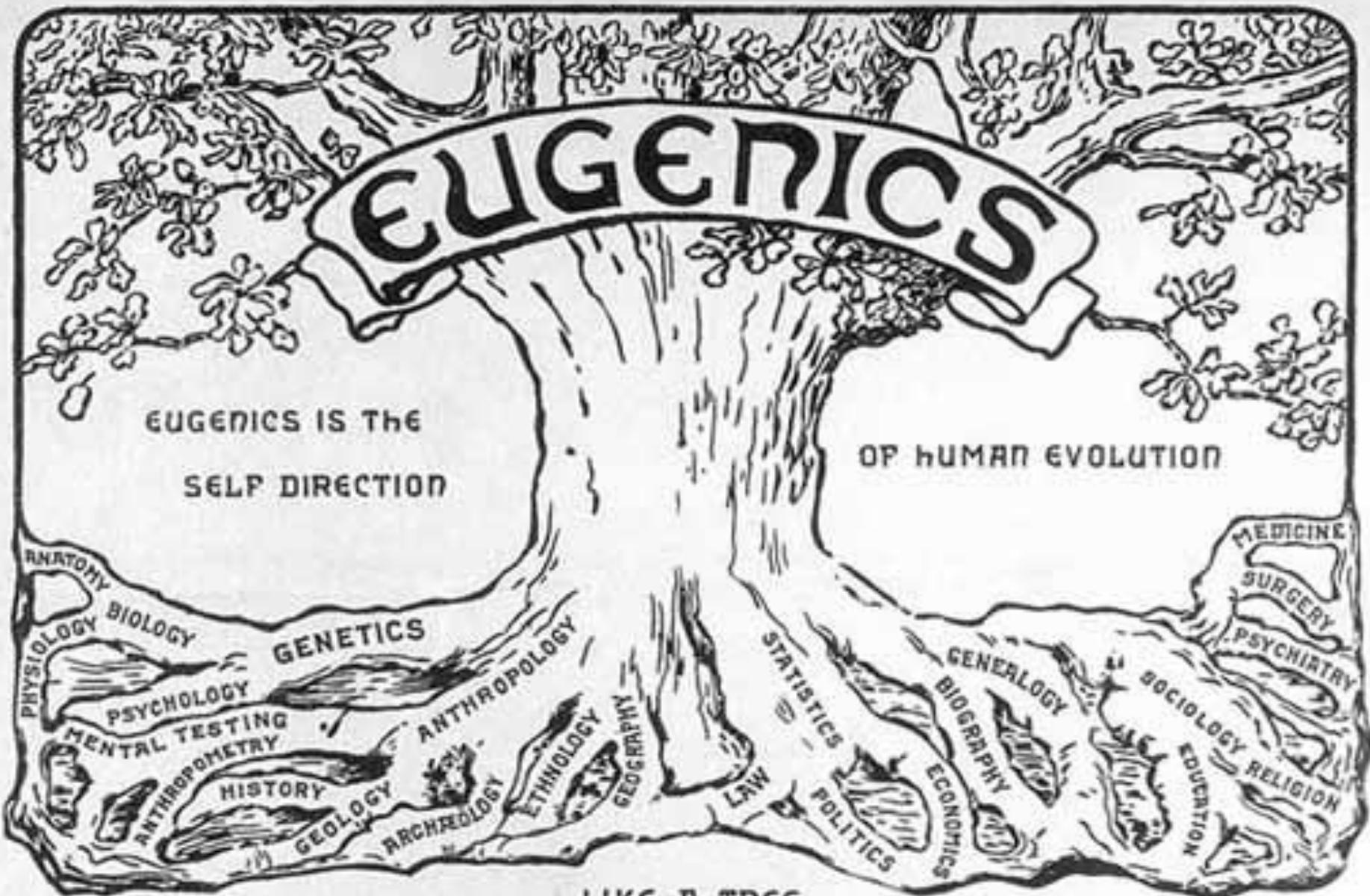
Established October 1, 1910

CHARLES B. DAVENPORT, Director

HARRY H. LAUGHLIN, Assistant Director

This office is devoted to the study of the biological forces which determine the natural capacities and limitations of mankind. It looks forward to having ultimately a good working pedigree-index of the natural traits of a large portion of the families of America.

Science can not experiment with human beings. It desires merely to learn and publish the actual results of man's experiments on himself. Every marriage is an experiment in heredity. Every person should be interested in the actual



EUGENICS

EUGENICS IS THE
SELF DIRECTION

OF HUMAN EVOLUTION

LIKE A TREE

EUGENICS DRAWS ITS MATERIALS FROM MANY SOURCES AND ORGANIZES
THEM INTO AN HARMONIOUS ENTITY.

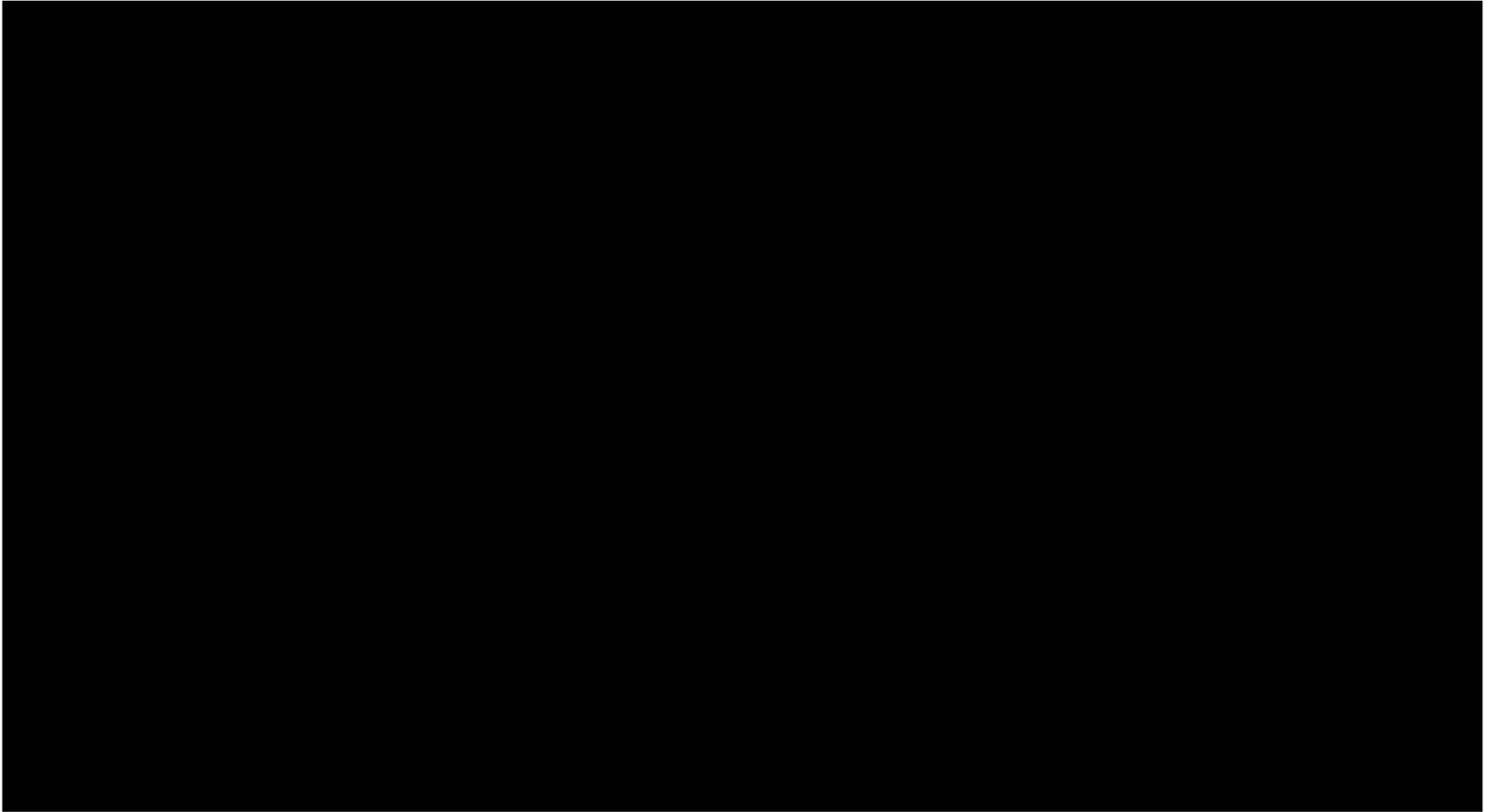
Nazi Propaganda: "Qualitative decline in the population...It will come to this if individuals with lesser value have four children and those of higher value have two."

Qualitativer Bevölkerungsabstieg. bei zu schwacher Fortpflanzung der Höherwertigen



**So würde es kommen,
wenn Minderwertige 4 Kinder und Höherwertige 2 Kinder haben.**

George Bernard Shaw -
a Nobel Prize and Oscar-winning Irish author and
philosopher.



Virginia's test case - Carrie Buck

"A probable potential parent of socially inadequate offspring."



• At her trial, she was said to have "a record of immorality, prostitution, untruthfulness and syphilis."

• In private writings, the director of the home where she lived described her family as: "These people belong to the shiftless, ignorant and worthless class of anti-social whites of the South"

<http://www.hsl.virginia.edu/historical/eugenics/3-buckvbell.cfm>

<http://www.eugenicsarchive.org/eugenics/>

Some well-known individuals who supported eugenics:



Alexander Graham Bell
John D. Rockefeller
Theodore Roosevelt
Woodrow Wilson
Winston Churchill
Margaret Sanger