Maimonides Institute for Medicine, Ethics and the Holocaust



הבן את העבר והגן על העתיד Remember the Past; Protect the Future

Human Genetics: From Eugenics to the Human Genome Project and Beyond

Dr Tessa Chelouche M.D.

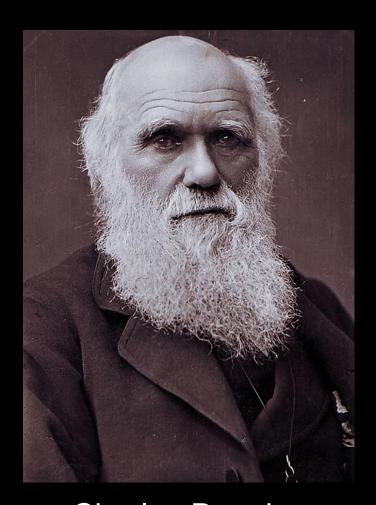
Co-director Program Medicine and the Holocaust, Technion Medical School, Haifa, Israel
Co-director Maimonides Institute for Medicine, Ethics and the Holocaust
Primary Care Physician, Clalit Health Services, Israel

18/4/2016

www.mimeh.org



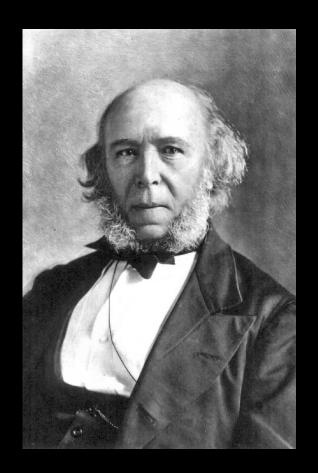
EUCENICS DRAWS ITS MATERIALS FROM MANY SOURCES AND ORGANIZES
THEM INTO AN HARMONIOUS ENTITY.



Charles Darwin 1809-1882

"Natural Selection"

"Natural selection was the survival process governing most living things in a world of limited resources and changing environments."



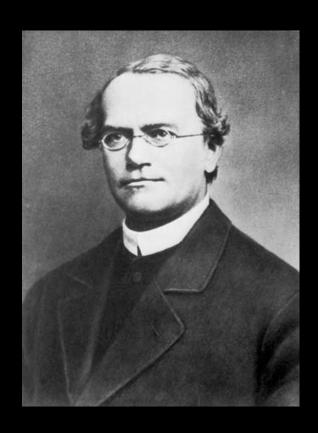
Herbert Spenser

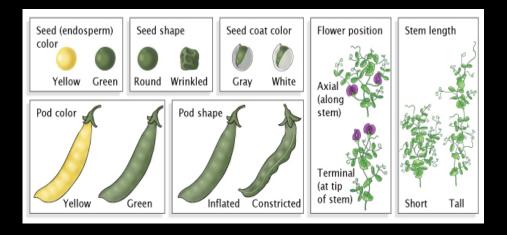
"Social Darwinism"

"Survival of the Fittest"

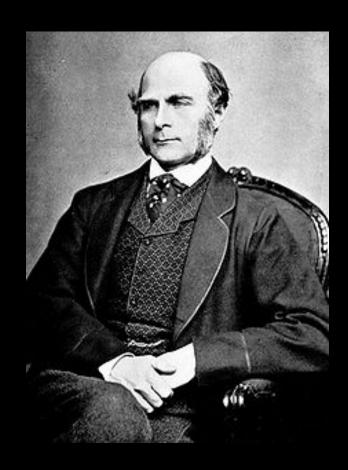
The "fittest" would naturally continue to perfect society and the "unfit" would and should die off.

Mendel's Laws on Heredity





Gregor Mendel 1822-1884

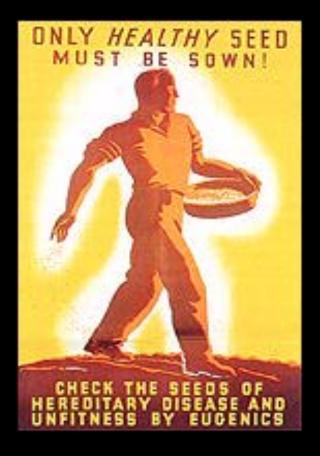


Francis Galton 1822-1911

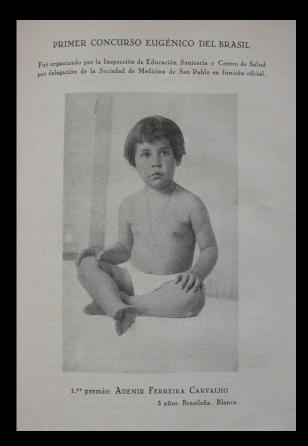
"Eugenics"

"The study of all agencies which can improve or impair the racial quality of future generations."

World Eugenics Movement







English Eugenics Society, 1930

"The Racial Characters of the Swedish Nation" ,1926

Brazil eugenics contest, 1933



"Types of Aliens Awaiting Admission at Ellis Island Station," 1915.

"The Jukes." : Heredity vs Environment? Richard Dugdale



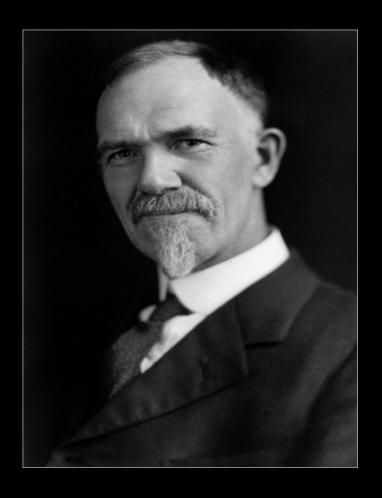






Dept. of Genetics, Carnegie Institute of Washington, 1934

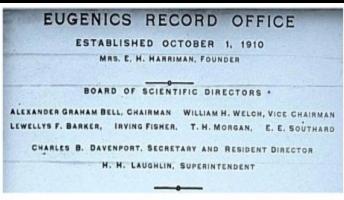




Charles Davenport 1866-1944



Biological Experiment Station Cold Spring Harbor, 1904





Eugenics Record Office 1910

54 Popular Science Monthly

Registering Human Pedigrees

How Kansas Developes Fitter Families; A Remarkable Experiment in Eugenics

By Arthur Capper, U. S. Senator from Kansas



Mrs. Mary T. Watts,

Audubon, Iowa

THE average

sult of haphazard mat-

ing. Men and women

marry with little scien-

tific thought as to their

physical and mental

fitness for bearing and

rearing children. When

the children come they

too often are brought

up in the same hap-

hazard fashion in which

their parents chose

each other. Is it any

wonder that the num-

ber of mentally and

physically unfit in-

farmers and breeders

For years, American

creases?

American family

of today is the re-

The Eugenics Building at the Kansas Free Fair, where families are judged and registered. Scated in the center is a "fitter family" surrounded by examiners



Dr. Florence B. Sherbon, University of Kansas

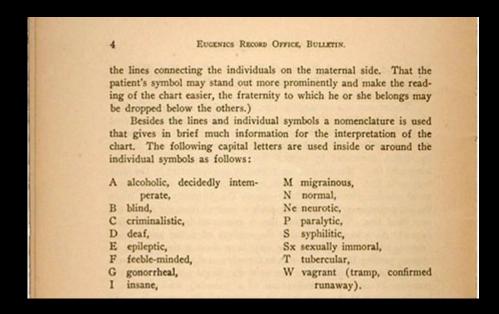
member of a family. Another sheet of the record shows the results of the intelligence test, and an examination by a psychiatric specialist of the nerve reflexes, emotional and intellectual responses. A thorough structural examination is made. including strength tests and measurements. The medical record gives the results of a complete physical and organic examination, with blood pressure, hemaglobin blood test and the Wasserman blood test. Every member of the family is examined

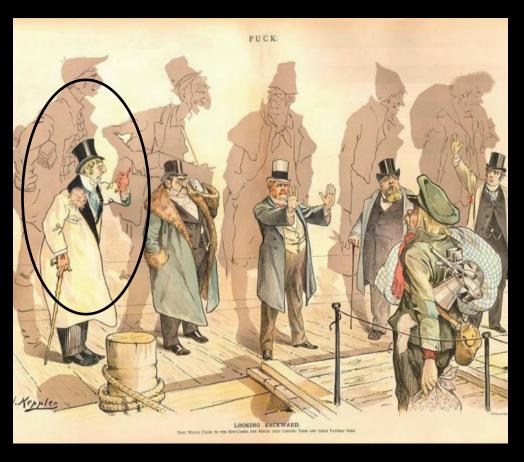
Family history records at the Eugenics Record Office



Categories of the "unfit"

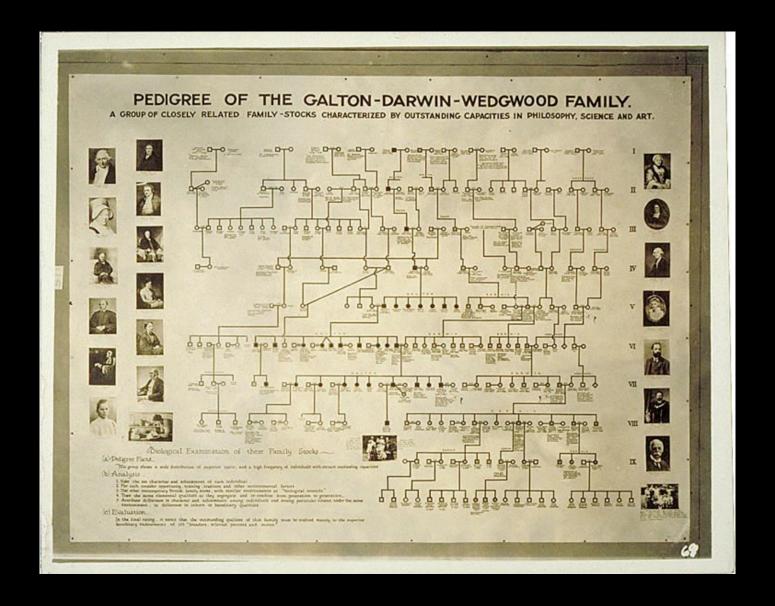
- Feebleminded
- pauper class
- inebriate class or alcoholic
- criminals of all descriptions
- epileptics
- insane
- constitutionally weak class
- predisposed to certain diseases
- deformed
- defective sense organs-deaf, blind and mute

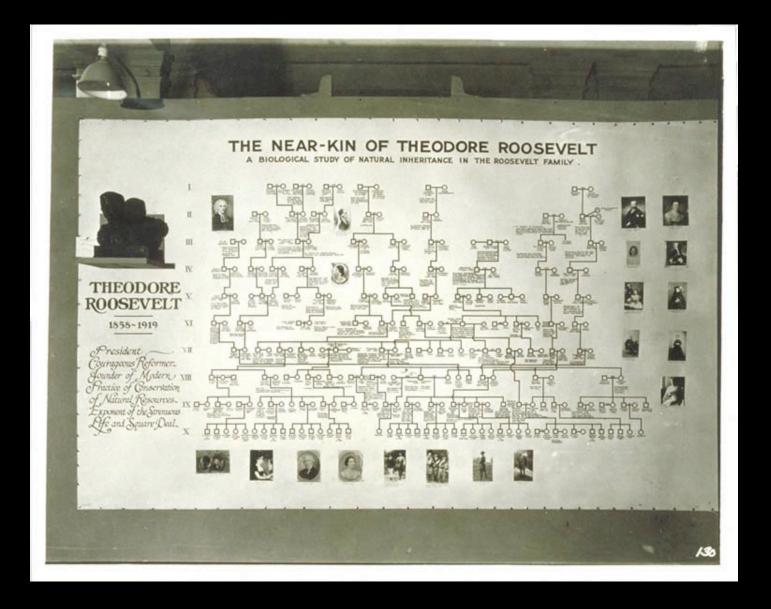




Harvard's Eugenics Era, Adam Cohen, Harvard Magazine, March April 2016

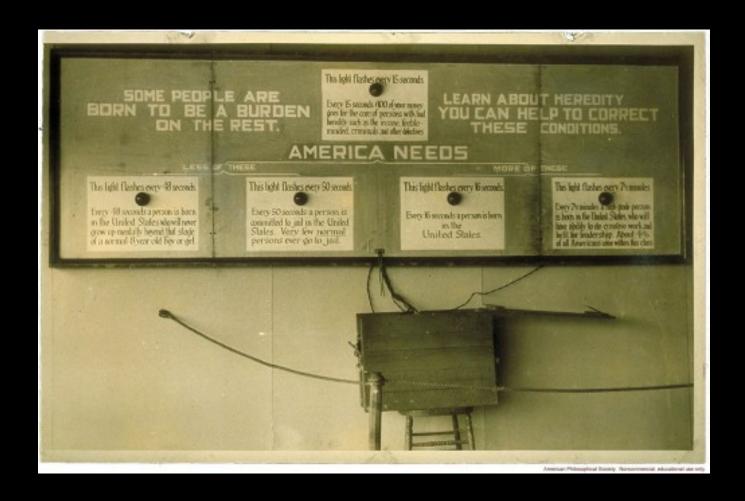
Harvard president Charles William Eliot, 1853 - 1909



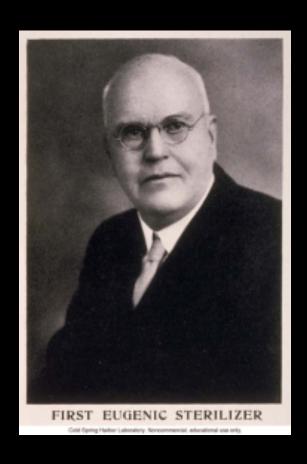




Fitter Family Contests



Eugenic Sterilization





Dr. Harry C. Sharp

Jeffersonville State Reformatory

1907 Indiana Eugenics Law

(Continued from other side)

Indiana Supreme Court ruled 1907 law unconstitutional 1921, citing denial of due process under Fourteenth Amendment. 1927 law reinstated sterilization, adding court appeals. Approximately 2,500 total in state custody were sterilized. Governor Otis R. Bowen approved repeal of all sterilization laws 1974; by 1977, related restrictive marriage laws repealed.

INSTALLED 2007 INDIANA HISTORICAL BUREAU, INDIANA UNIVERSITY, AND INDIANA UNIVERSITY FOUNDATION

Eugenic laws for Sterilization passed in California, 1909



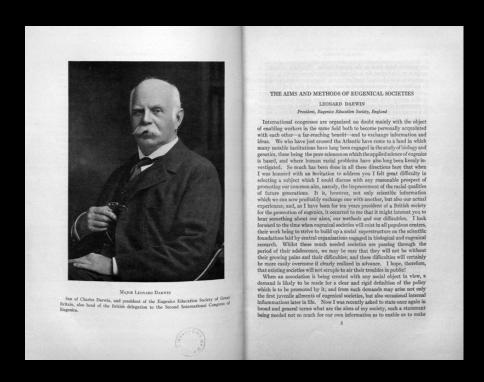
APPENDIX VI

OPERATIONS FOR EUGENIC STERILIZATION PER-FORMED IN THE CALIFORNIA STATE INSTITU-TIONS UP TO JANUARY 1, 1929.

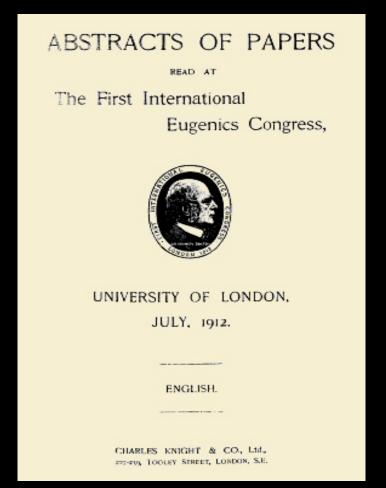
Institution Male Female	Total
So. Cal. State Hospital (Patton) 1,257 544	1,801
Stockton State Hospital 979 532	1,511
Napa State Hospital 174 427	601
Norwalk State Hospital 306 221	527
Mendocino State Hospital 123 58	181
Agnews State Hospital 10 136	146
Sonoma State Home for Feeble-	
minded 579 909	1,488
Married Married	
3,428 2,827	6,255

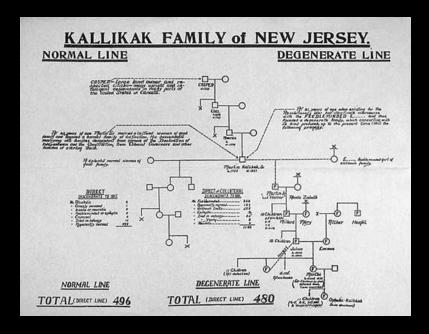
Stockton state hospital, one of the state institutions where sterilizations were performed in California

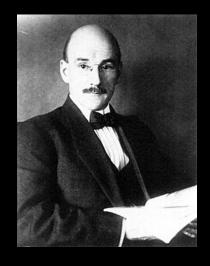
First International Eugenics Conference, London, 1912

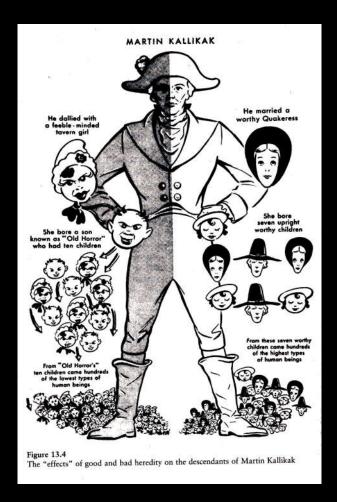


Conference President, Major Leonard Darwin





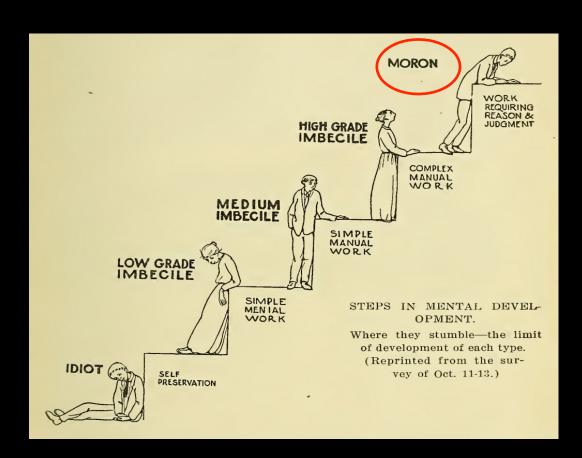




The Kallikak Family: A Study in the Heredity of Feeblemindedness, 1913

Henry Goddard

Eugenicists rapidly employed IQ or other intelligence tests to compare different racial and ethnic groups.



estimates of the total immigration into the United States prior to the official count put the total number of arrivals at not to exceed 250,000 in the entire period between 1776 and

THE MORON.

Dr. J. E. W. Wallin discusses the moron in the Training School Bulletin, May, 1920. He concludes that the term feeble-minaed should be used only in the sense of social or economic dependency due to congenital or early acquired intellectual deficiency. What other coexistent defects or anomalies may be found are secondary to the primary defect of intelligence. The degree of intelligence deficiency necessary to constitute feeble-mindedness must be such that the individual on attaining his maturity will not exceed an intelligence of IX years. But we cannot assume that the IX year level always connotes feeble-mindedness. A IX year individual who is not subject to temperamental, emotional or volitional abnormalities may be able to support himself and to live in conformity with the laws and customs of his environment. It may, however, be inadvisable to permit the persons of this degree of abnormality to marry and beget children. The terms "middle-grade morons," "high-grade morons" should be discarded, because they have been universally used as synonymous with feeble-minded individuals. The term moron should be restricted to feeble-minded individuals who do not develop beyond the VIII and IX year level.

well known p learned quickly

Justice John Court of New Yo that a male ch been damaged p dent sustained his birth, shou ages from the the mother's ac

A soldier writ April 21, urging bonus the nation be financially a the next genera harps back to the instinct, and th woman they man bring. These a

A recent bull U. S. Departmen attention to th bud mutations varieties of the of these mutat ferior fruit and of them constit ment over the through the isol of the valuable

The Anthrope Louis, with its Avenue and Ki has recently be Terry, professor ton Medical Sc Dr. C. H. Danf

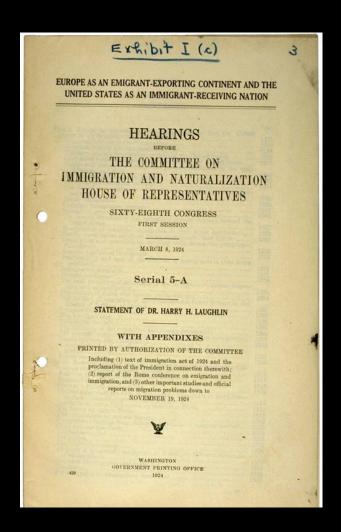
vance has been

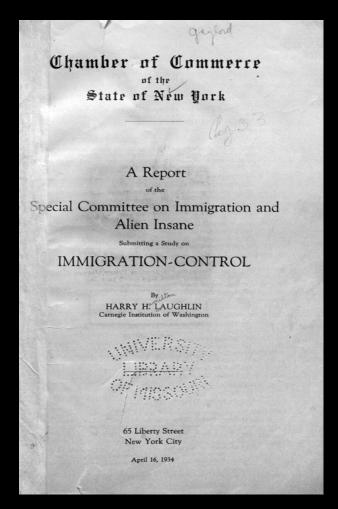
Cold Spring Harbor Laboratory. Noncommercial, educational use only

Intelligence Testing at Ellis Island

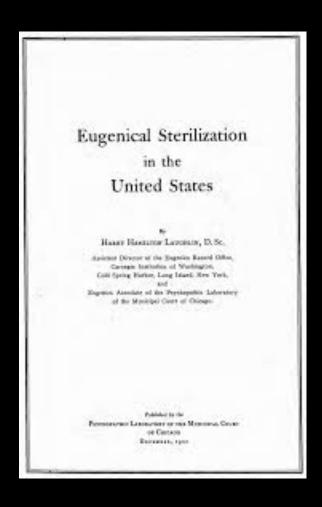


Eugenic Influence on the 1924 Immigration Restriction Act





Sterilization is legalized

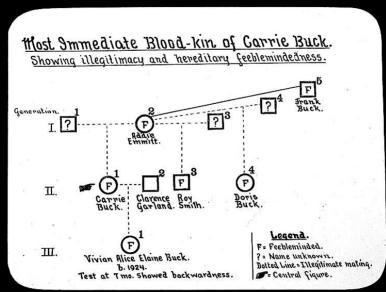




Harry H. Laughlin 1880-1943

Eugenic Sterilization Test Case Buck vs Bell 1927





Carrie Buck and her mother, Emma Virginia, USA

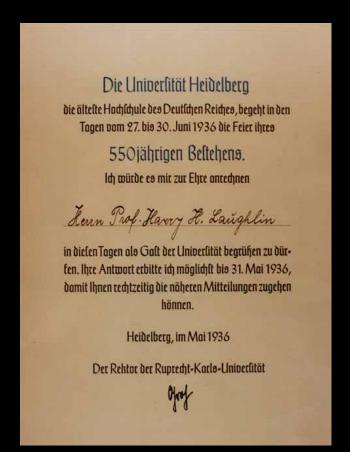
"It is better for all the world, if instead of waiting to execute degenerate offspring for crime, or to let them starve for their imbecility, society can prevent those who are manifestly unfit from continuing their kind. The principle that sustains compulsory vaccination is broad enough to cover cutting the fallopian tubes.

Three generations of imbeciles are enough."



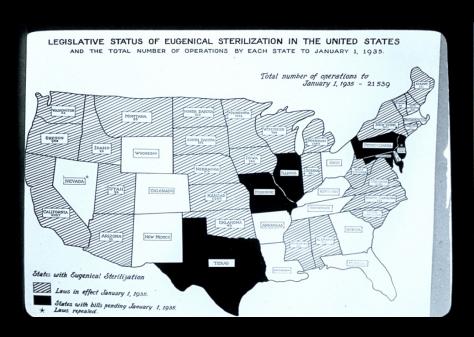
Supreme Court Justice Oliver Wendell Holmes, Jr. in *Buck v. Bell*, 1927

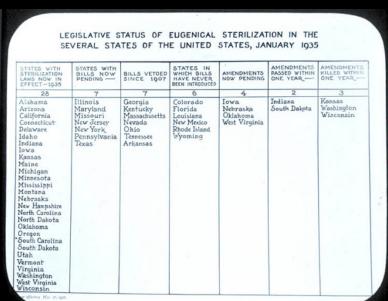
Germany honors American eugenicists



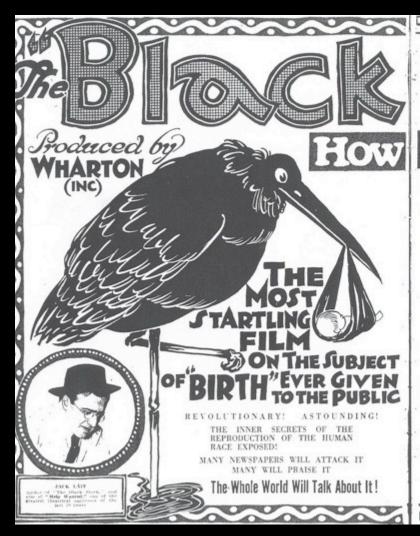


Sterilization in the USA





By the 1960s around 64,000 men and women had been sterilized



Stork

How Unfit Humans Breed

Should Doctors Let Defective and Deformed Babies Die ?

Dr. H. J. Haiselden, the noted Chicago physician, refused to operate on a defective bady because the was deformed and would grow up a cripple, possibly an imbeelle. He LET HER DIE, when an operation would have SAPED HER LIPE. Every newspaper in the land has commented on it. Hundreds of editorials have been written. Did Dr. Haiselden do right? THIS GRE 4T, ST HRTUNG FILM GIVES THE ANSWER.

DR. HAISELDEN HIMSELF TAKES THE LEADING PART IN THIS PLAY

This play is written by Jack Lait, with such heart throbs as only Jack Lait's pen can give. It pictures the primal passions of men and women as only Jack Lait can do—the passions of Society's great and the passions of tenement starvelings—the highest beauty and joy of life and its blackest dregs.



DR. H. J. HAISELDEN
The Yamous Chicago Physician who
let a defective dis. when he could
have raced her life by essenting

EVERY MOTHER IN AMERICA AND EVERY WOMAN WHO EXPECTS TO BE A MOTHER WILL FIGHT TO SEE THIS PLAY

IT WILL BE THE MOST TALKED OF PLAY OF THE YEAR

ALL STAR CAST INCLUDES-

Dr. H. J. Haiselden Hamilton Revelle Henry Bergman John T. Miltern Edgar L. Davenport Allan Murane Jane Fernley Elsie Esmond

Produced by WHARTON, Inc.

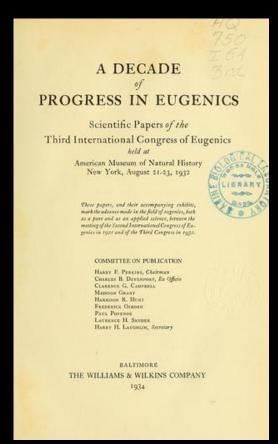
State Rights Now Selling by

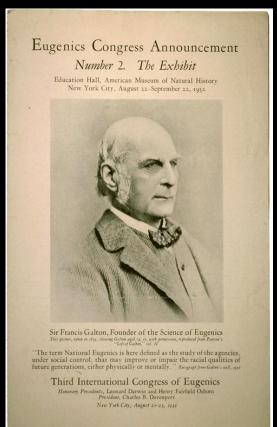
SHERIOTT PICTURES CORPORATION

218 West 42nd Street

New York City

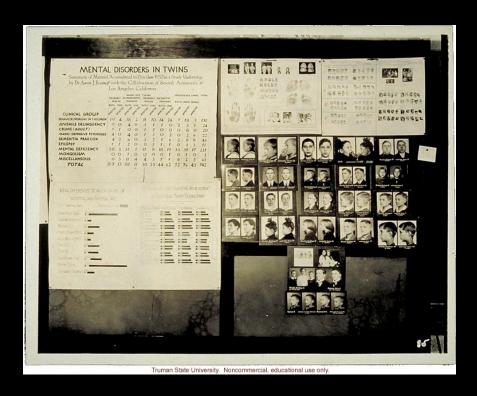
Third International Eugenics Conference, New York, 1932

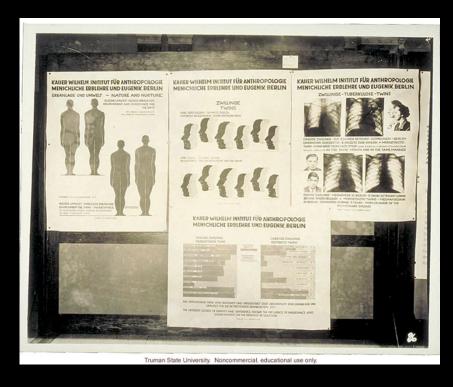






Third International Eugenics Conference, New York, 1932





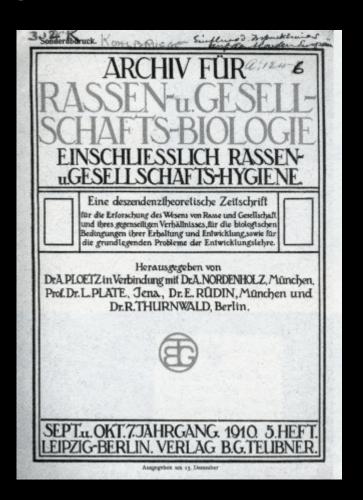
"Mental disorders in twins" USA

Kaiser Wilhelm Institute twin study
Germany

Racial Hygiene



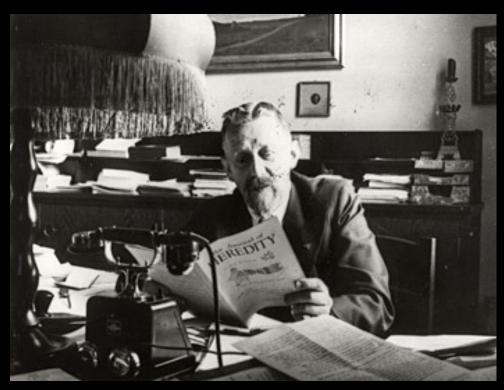
Alfred Ploetz (1860 - 1940) Founder of German Eugenics





German educational slide explaining the Kallikak family, 1924

German Racial Hygiene is modelled on American Eugenics

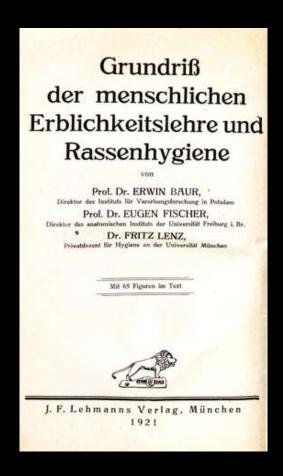


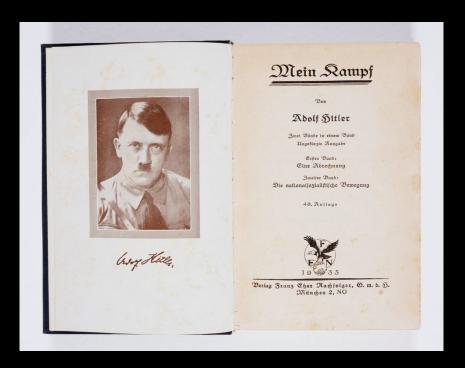
Eugene Fischer 1874-1967

Director of the Kaiser Wilhelm Institute for Anthropology, Eugenics, and Human Heredity

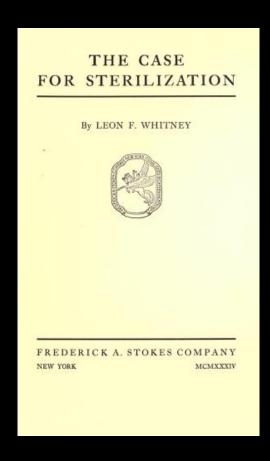


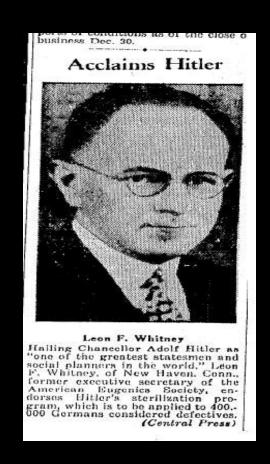
Hitler, greatly influenced by the Racial hygienists, includes the eugenic racist theories in *Mein Kampf*



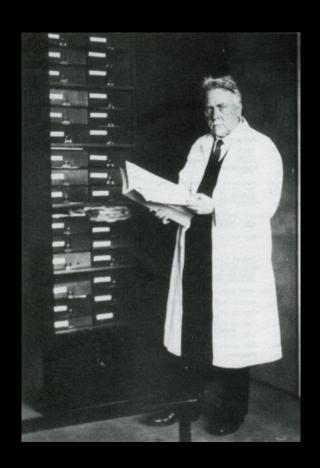


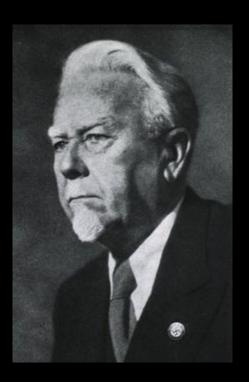
Hitler praises the American Sterilization Program





German Catalogue of family profiles



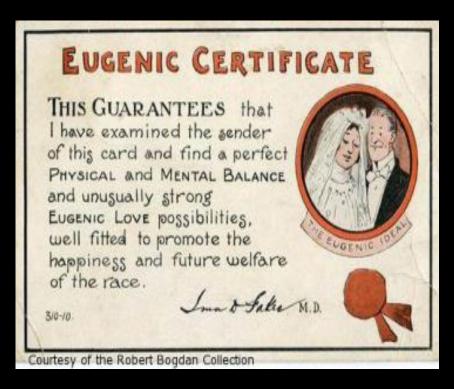


Dr Ernst Rudin



Charles Davenport, 1925, and Eugen Fischer, director of the Kaiser Wilhelm Institute for Anthropology, Human Genetics and Eugenics, the German equivalent of the Eugenics Record Office, about 1938.

Premarital Eugenic Counselling



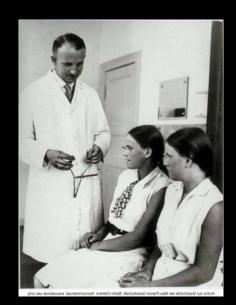


The Eugenic marriage policy USA

"Don't Go Blindly into Marriage!" Germany 1924



KWI for Anthropology, Human Heredity and Eugenics



Otmar von Verschuer, 1933



Eugen Fischer, 1927



"You, you National Socialist doctors, I cannot do without you for a single day, not a single hour. If not for you, if you fail me, then all is lost."

Adolf Hitler

Nazi Sterilization Law



- Congenital feeblemindedness
- Schizophrenia
- Manic Depression
- Hereditary Epilepsy
- Hereditary Blindness
- Hereditary Deafness
- Huntington's Chorea
- Severe hereditary physical deformity
- Severe Alcoholism
- Asocial/criminality



Heredity Courts rule over the sterilization cases

Doctor - Patient Confidentiality





400,000 Germans were sterilized



Religious prejudice was quantified into science



Nuremberg Law for the Protection of German Blood and German Honor, September 15, 1935



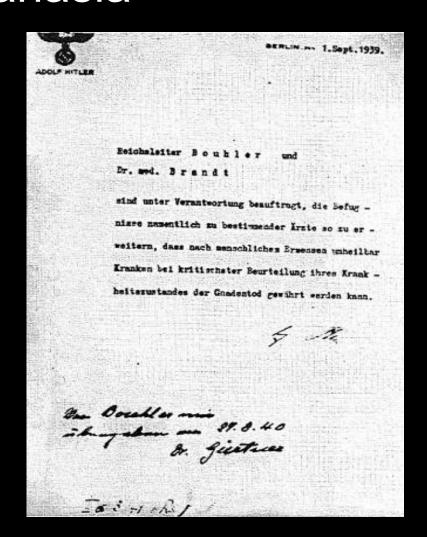
"Euthanasia"

Reich Leader Bouhler and Dr. Brandt

are charged with the responsibility to extend the powers of specific doctors in such a way that, after the most careful assessment of their condition, those suffering from illnesses deemed to be incurable may be granted a mercy death.

--Adolf Hitler

1st Sept 1939







5,000 children and 200,000 adults were murdered in the Nazi "Euthanasia" program

The ultimate decision to gas the Jews emerged from the fact that the technical apparatus already existed in the hospitals that were used to kill the mentally and physically ill in Germany in the "euthanasia" program.



Killing center, Bernberg

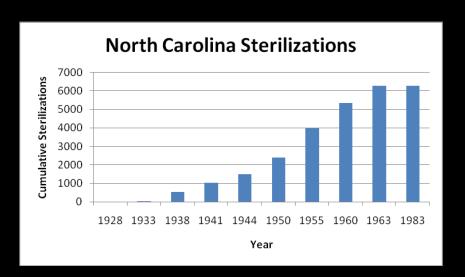


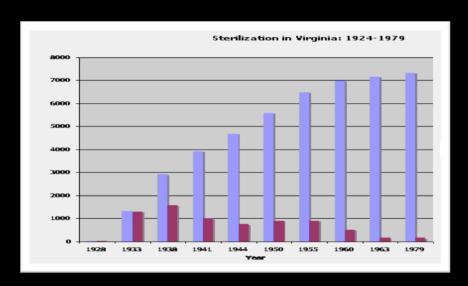
Auschwitz

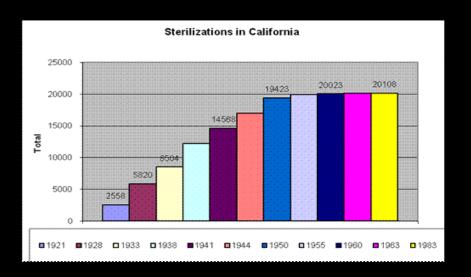


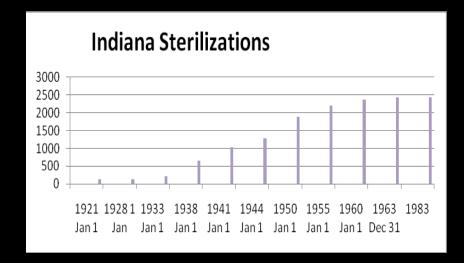
The Eugenics Record Office was closed in 1939 and renamed The Genetic Record Office











Thousands of American (and others) citizens continued to be coercively sterilized until the 1970s



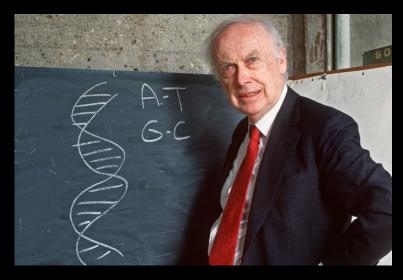
Victims of forced sterilization to receive \$10 million from North Carolina

By Stacey Naggiar, NBC News

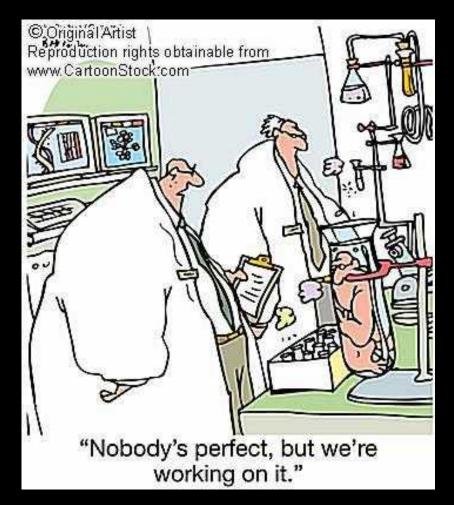
In a landmark move by the state of North Carolina Wednesday, lawmakers passed a budget that includes \$10 million to compensate the state's victims of forced sterilization.

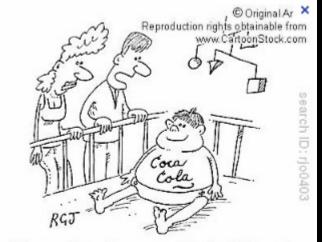
"There were challenges, we had to better educate our members -- and then of course we had to work through the fiscal challenges -- but at the end of the day, what we've done is something truly historic," state House Speaker Thom Tillis, a Republican, told NBC News.





James D. Watson Director and President





"The genetic engineers gave him that birthmark as part of a sponsorship deal."



"I'm sorry, Jerome. Instead of marriage and having kids, I've decided just to have myself cloned."

Is the new genetics the old eugenics?



- In 1978 Louise Brown became the world's first test tube baby.
- Today IVF is common practice worldwide.
- In 1997 Dolly was the first cloned sheep and stirred acrimonious debate across the world.
- DNA banks are rapidly proliferating.
- In 1983 the first genetic disease was mapped on DNA –Huntington's chorea; 1989 CF; 1990 BRCA
- 2003 Human Genome Project completed
- Genetic screening, genetic therapies, PGD, gene modification therapies.
- Stem cell research

• ...

The American and Nazi Eugenic programs involved coercion and abrogation of reproductive freedom, state control, discrimination, racism, denigration and stigmatization of the disabled and deprivation of life.

Eugenics was based on poor research and immoral value judgments and was a conduit for prejudices and an opportunity for social engineering.







The history of eugenics provides some important parameters for comparison to and understanding of the genetic claims that abound today and suggest how current claims are being made or might be used.

Nowhere is this history more dramatic and disturbingly relevant than in the case of Nazi Germany, where genetics and its associated eugenic claims became the center piece of an economic and a racial ideology that ultimately led to the Holocaust and the deaths of millions of people.

It was eugenic principles, both developed in Germany and borrowed from the Unites States that gave the Holocaust its scientific legitimacy.

Allen E. Garland







Maimonides Institute for Medicine, Ethics and the Holocaust



הבן את העבר והגן על העתיד Remember the Past; Protect the Future

Mission: explore the ethical implications of the medical transgressions that took place during the Holocaust for modern scientific theory, medical practice, healthcare policy, and human rights endeavors

www.mimeh.org

Take home message

There are important lessons to be learned from the study of how eugenics transformed from public health initiative to scientific racism.

Physicians possess the knowledge and skills to provide a realistic assessment of the quality of a patient's life or in some cases, of his or her genetic makeup.

However, the ultimate evaluation of quality of life should be made only by the individual patient and nothing should be done anywhere by anyone to exclude, infringe, repress or harm an individual based on his or her genetic makeup.

Recommended Reading

Edwin Black. War Against the Weak. Eugenics and America's Campaign to Create a Master Race, 2003

Adam Cohen. Imbeciles. The Supreme Court, American Eugenics and the Sterilization of Carrie Buck, 2016

Robert Proctor. Racial Hygiene: Medicine under the Nazis, 1988

Deadly Medicine. Creating the Master Race. USHMM, 2004

Tessa Chelouche, Geoffrey Brahmer, Susan Benedict. Casebook on Bioethics and the Holocaust. UNESCO Chair of Bioethics.

http://www.unesco-chair-bioethics.org/wp-content/uploads/2015/09/Casebook-on-Bioethics-and-the-Holocaust.pdf

Online DNA Learning Center. https://www.dnalc.org/search?q=eugenics



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Next Webinar: May 17, 2016- 12:00 PM EST

Comparative Bioethics: A Foundation for Considering Bioethical Issues in Medicine and Healthcare Policy – Sheldon Rubenfeld, M.D.