A HISTORY OF US GOVERNMENT
EXPERIMENTS ON HUMAN SUBJECTS
(MEN, WOMEN AND CHILDREN of ALL AGES)

Does our government respect human life the way it claims to do?

PUBLIC LAW 95-79 [P.L. 95-79]
TITLE 50, CHAPTER 32, SECTION 1520
"CHEMICAL AND BIOLOGICAL WARFARE PROGRAM"

"The use of human subjects will be allowed for the testing of chemical and biological agents by the U.S. Department of Defense, accounting to Congressional committees with respect to the experiments and studies."

"The Secretary of Defense [may] conduct tests and experiments involving the use of chemical and biological [warfare] agents on civilian populations [within the United States]."

[-SOURCE-]

DOES OUR GOVERNMENT RESPECT HUMAN LIFE?

The following list comes from declassified documents, news reports, videos, the National Archives, and from the final report of the Advisory Committee on Human Radiation Experiments. http://www.seas.gwu.edu/nsarchive/radiation/

1833): Dr. William Beaumont, an army surgeon physician, pioneers gastric medicine with his study of a patient with a permanently open gunshot wound to the abdomen and writes a human medical experimentation code that asserts the importance of experimental treatments, but also lists requirements stipulating that human subjects must give voluntary, informed consent and be able to end the experiment when they want. Beaumont's Code lists verbal, rather than just written, consent as permissible (Berdon).

1845: (1845 - 1849) J. Marion Sims, later hailed as the "father of gynecology," performs medical experiments on enslaved African women without anesthesia. These women would usually die of infection soon after surgery. Based on his belief that the movement of newborns' skull bones during protracted births causes trismus, he also uses a
shoemaker's awl, a pointed tool shoemakers use to make holes in leather, to practice moving the skull bones of babies born to enslaved mothers (Brinker).

1895: New York pediatrician Henry Heiman infects a 4-year-old boy whom he calls "an idiot with chronic epilepsy" with gonorrhea as part of a medical experiment ("Human Experimentation: Before the Nazi Era and After").

1896: Dr. Arthur Wentworth turns 29 children at Boston's Children's Hospital into human guinea pigs when he performs spinal taps on them, just to test whether the procedure is harmful (Sharav).

1900: A U.S. doctor doing research in the Philippines infects a number of prisoners with the Plague. He continues his research by inducing Beriberi in another 29 prisoners. four test subjects die (Merritte, et al.; Cockburn and St. Clair, eds.).

Under commission from the U.S. surgeon general, Dr. Walter Reed goes to Cuba and uses 22 Spanish immigrant workers to prove that yellow fever is contracted through mosquito bites. Doing so, he introduces the practice of using healthy test subjects, and also the concept of a written contract to confirm informed consent of these subjects. While doing this study, Dr. Reed clearly tells the subjects that, though he will do everything he can to help them, they may die as a result of the experiment. He pays them $100 in gold for their participation, plus $100 extra if they contract yellow fever (Berdon, Sharav).

1906: Harvard professor Dr. Richard Strong infects prisoners in the Philippines with cholera to study the disease; 13 of them die. He compensates survivors with cigars and cigarettes. During the Nuremberg Trials, Nazi doctors cite this study to justify their own medical experiments (Greger, Sharav).

1907: Indiana passes the world's first law authorizing the state to force the sterilization of those it deems unfit to reproduce. In Germany, Adolph Hitler is only 18 years old.

1911: Dr. Hideyo Noguchi of the Rockefeller Institute for Medical Research publishes data on injecting an inactive syphilis preparation into the skin of 146 hospital patients and normal children in an attempt to develop a skin test for syphilis. Later, in 1913, several of these children's parents sue Dr. Noguchi for allegedly infecting their children with syphilis ("Reviews and Notes: History of Medicine: Subjected to Science: Human Experimentation in America before the Second World War").

1913: Medical experimenters "test" 15 children at the children's home St. Vincent's House in Philadelphia with tuberculin, resulting in permanent blindness in some of the children. Though the Pennsylvania House of Representatives records the incident, the researchers are not punished for the experiments ("Human Experimentation: Before the Nazi Era and After").
1915: Dr. Joseph Goldberger, under order of the U.S. Public Health Office, produces Pellagra, a debilitating disease that affects the central nervous system, in 12 Mississippi inmates to try to find a cure for the disease. One test subject later says that he had been through "a thousand hells." In 1935, after millions die from the disease, the director of the U.S Public Health Office would finally admit that officials had known that it was caused by a niacin deficiency for some time, but did nothing about it because it mostly affected poor African-Americans. During the Nuremberg Trials, Nazi doctors used this study to try to justify their medical experiments on concentration camp inmates (Greger; Cockburn and St. Clair, eds.).

1918: In response to the Germans' use of chemical weapons during World War I, President Wilson creates the Chemical Warfare Service (CWS) as a branch of the U.S. Army. Twenty-four years later, in 1942, the CWS would begin performing mustard gas and lewisite experiments on over 4,000 members of the armed forces (Global Security, Goliszek).

1919: (1919 - 1922) Researchers perform testicular transplant experiments on inmates at San Quentin State Prison in California, inserting the testicles of recently executed inmates and goats into the abdomens and scrotums of living prisoners (Greger).

1925: Margaret Mead publishes "Coming of Age in Samoa", an account of adolescent life in Samoa apparently devoid of the angst and stress of adolescence in more modern cultures. Liberals seize on this work as proof that by re-engineering the society, man himself can be re-engineered for the better; that environment only is what determines behavior. Being the provenance and justification of the liberal philosophy, Mead is elevated to a cultural heroine. However, as Freemen pointed out in his critical analysis, Mead erred in using only two young women as her source of information. Samoans love a good joke, they love to "talk story" and during a later investigation by the government in Samoa, the women that Mead had talked to were not shy about admitting they had simply told Mead what Mead clearly wanted to hear, unaware of what Mead would do with the information, and Mead, dearly wishing to hear what she heard, never bothered to speak with any other Samoans. Had she done so, she would have found that Samoan children go through the same growing pains as children everywhere. The most obvious evidence that Mead was wrong was her assumption that Samoans were sexually promiscuous because the Hawaiians of the time were. In fact, the Samoan culture has never been a sexually promiscuous one. 

Virtually the entire justification for government intrusion into private lives derived from Mead's work, and it should hardly come as a surprise that both the liberal and anthropological establishment have reacted to this controversy much as the Catholic Church reacted to Galileo, and even though Mead's basic conclusion of environment over heredity has been called into question, public policy continues to be shaped by it's assumption.
1927: Carrie Buck of Charlottesville is legally sterilized against her will at the Virginia Colony Home for the Mentally Infirm. Carrie Buck was the mentally normal daughter of a mentally retarded mother, but under the Virginia law, she was declared potentially capable of having a "less than normal child" after having one normal child (by rape) and was forcibly sterilized.

The settlement of Poe v. Lynchburg Training School and Hospital (same institution, different name) in 1981 brought to an end the Virginia law. It is estimated that as many as 10,000 perfectly normal women were forcibly sterilized for "legal" reasons including alcoholism, prostitution, and criminal behavior in general.

1931: The Puerto Rican Cancer Experiment is undertaken by Dr. Cornelius Rhoads, a pathologist from the Rockefeller Institute for Medical Research. Under the auspices of the Rockefeller Institute for Medical Investigations, Rhoads purposely infected his subjects with cancer cells. Thirteen of the subjects died. Though a Puerto Rican doctor later discovers that Rhoads purposely covered up some of details of his experiment, and in spite of Rhoads' written opinions that the Puerto Rican population should be eradicated, Rhoads went on to establish U.S. Army Biological Warfare facilities in Maryland, Utah, and Panama. He later was named to the U.S. Atomic Energy Commission and was at the heart of the recently revealed radiation experiments on prisoners, hospital patients, and soldiers (Sharav; Cockburn and St. Clair, eds.). these are covered in the ACHE report. http://www.seas.gwu.edu/nsarchive/radiation/

1930s: Seventeen U.S. states have laws permitting forced sterilization. German officials cite those laws as precedent for the forced sterilization of Jews under Nazi rule.

1931 - 1933: Mental patients at Elgin State Hospital in Illinois are injected with radium-266 as an experimental therapy for mental illness (Goliszek).

1932: The Tuskegee Syphilis Study begins. The U.S. Public Health Service in Tuskegee, Ala. diagnoses 400 poor, black sharecroppers with syphilis but never tells them of their illness nor treats them; instead researchers use the men as human guinea pigs to follow the symptoms and progression of the disease. They all eventually die from syphilis and their families are never told that they could have been treated (Goliszek, University of Virginia Health System Health Sciences Library). (The government office supervising the study was the predecessor to today's Centers for Disease Control (CDC)).

1932: Margaret Sanger, the founder of Planned Parenthood, wrote in "A Plan For Peace" that her aims were, "To give certain dysgenic groups in our population their choice of segregation [concentration camps] or sterilization". Between 2000-4000 forced sterilizations per year were taking place in the United States. The following year, when Ernst Rudin established the Nazi system for forced sterilization of those it deemed unfit to reproduce, Rassenhygiene (Race hygiene), he chose as his inspiration and model the writings of William H. Tucker, associate professor of psychology at Rutgers University, Camden, New Jersey, USA. When Rudin's forced sterilization of Jews by irradiation with X-rays was revealed, Margaret Sanger refused to denounce him.
1932: Veterans from WW1, made homeless by the stock market crash of 1929, build a tent city near Washington D.C. while they try to collect on a promised combat bonus which the government has failed to pay (a situation the US troops in Bosnia and Iraq can identify with). Rather than pay the money, the government orders US Cavalry to destroy the tent city. The troops attack the camp on horseback with drawn sabers, against unarmed men, woman, & children.

If anyone doubts that our government would use it's own weapons against it's own troops, gaze upon this atrocity. These were not deserters. They were honorable soldiers, who had won the World War, been refused their promised pay, made homeless by the government's economic policies, then cut down.

1934: Leon Whitley, of the American Eugenics Society, receives a letter requesting a copy of his recent book,"The Case for Sterilization". He mails it off, and soon receives a personal letter of thanks...from Adolph Hitler.

In his letter of thanks for American writer Madison Grant, Hitler declares Grant's book,"The Great Race" to be his "bible".

1935: The Pellagra Incident. After millions of individuals die from Pellagra over a span of two decades, the U.S. Public Health Service finally acts to stem the disease. The director of the agency admits it had known for at least 20 years that Pellagra is caused by a niacin deficiency but failed to act since most of the deaths occurred within poverty-stricken black populations.

1937: Scientists at Cornell University Medical School publish an angina drug study that uses both placebo and blind assessment techniques on human test subjects. They discover that the subjects given the placebo experienced more of an improvement in symptoms than those who were given the actual drug. This is first account of the placebo effect published in the United States ("Placebo Effect").

1939: In order to test his theory on the roots of stuttering, prominent speech pathologist Dr. Wendell Johnson performs his famous "Monster Experiment" on 22 children at the Iowa Soldiers' Orphans' Home in Davenport. Dr. Johnson and his graduate students put the children under intense psychological pressure, causing them to switch from speaking normally to stuttering heavily. At the time, some of the students reportedly warn Dr. Johnson that, "in the aftermath of World War II, observers might draw comparisons to Nazi experiments on human subjects, which could destroy his career" (Alliance for Human Research Protection).

1940's: In a crash program to develop new drugs to fight Malaria during World War II, doctors in the Chicago area infect nearly 400 prisoners with the disease. Although the Chicago inmates were given general information that they were helping with the war effort, they were not provided adequate information in accordance with the later standards set by the Nuremberg War Crimes Tribunal. Nazi doctors on trial at Nuremberg
cited the Chicago studies as precedents to defend their own behavior in aiding the German war effort.

1941: Dr. William C. Black infects a 12-month-old baby with herpes as part of a medical experiment. At the time, the editor of the Journal of Experimental Medicine, Francis Payton Rous, calls it "an abuse of power, an infringement of the rights of an individual, and not excusable because the illness which followed had implications for science" (Sharav).

1941: An article in a 1941 issue of Archives of Pediatrics describes medical studies of the severe gum disease Vincent's angina in which doctors transmit the disease from sick children to healthy children with oral swabs (Goliszek).

1941: Drs. Francis and Salk and other researchers at the University of Michigan spray large amounts of wild influenza virus directly into the nasal passages of "volunteers" from mental institutions in Michigan. The test subjects develop influenza within a very short period of time (Meiklejohn).

1941: Researchers give 800 poverty-stricken pregnant women at a Vanderbilt University prenatal clinic "cocktails" including radioactive iron in order to determine the iron requirements of pregnant women (Pacchioli).

1942: The United States creates Fort Detrick, a 92-acre facility, employing nearly 500 scientists working to create biological weapons and develop defensive measures against them. Fort Detrick's main objectives include investigating whether diseases are transmitted by inhalation, digestion or through skin absorption; of course, these biological warfare experiments heavily relied on the use of human subjects (Goliszek).

1942: U.S. Army and Navy doctors infect 400 prison inmates in Chicago with malaria to study the disease and hopefully develop a treatment for it. The prisoners are told that they are helping the war effort, but not that they are going to be infected with malaria. During Nuremberg Trials, Nazi doctors later cite this American study to defend their own medical experiments in concentration camps like Auschwitz (Cockburn and St. Clair, eds.).

1942: The Chemical Warfare Service begins mustard gas and lewisite experiments on 4,000 members of the U.S. military. Some test subjects don't realize they are volunteering for chemical exposure experiments, like 17-year-old Nathan Schnurman, who in 1944 thinks he is only volunteering to test "U.S. Navy summer clothes" (Goliszek). The experiments continue until 1945 and made use of Seventh Day Adventists who chose to become human guinea pigs rather than serve on active duty.

1943: In response to Japan's full-scale germ warfare program, the U.S. begins research on biological weapons at Fort Detrick, MD.
1943: In order to "study the effect of frigid temperature on mental disorders," researchers at University of Cincinnati Hospital keep 16 mentally disabled patients in refrigerated cabinets for 120 hours at 30 degrees Fahrenheit (Sharav).

1944: U.S. Navy uses human subjects to test gas masks and clothing. Individuals were locked in a gas chamber and exposed to mustard gas and lewisite.

1944: As part of the Manhattan Project that would eventually create the atomic bomb, researchers inject 4.7 micrograms of plutonium into soldiers at the Oak Ridge facility, 20 miles west of Knoxville, Tenn. ("Manhattan Project: Oak Ridge").

1944: Captain A. W. Frisch, an experienced microbiologist, begins experiments on four volunteers from the state prison at Dearborn, Mich., inoculating prisoners with hepatitis-infected specimens obtained in North Africa. One prisoner dies; two others develop hepatitis but live; the fourth develops symptoms but does not actually develop the disease (Meiklejohn).

1944: Laboratory workers at the University of Minnesota and University of Chicago inject human test subjects with phosphorus-32 to learn the metabolism of hemoglobin (Goliszek).

1944-1946: In order to quickly develop a cure for malaria -- a disease hindering Allied success in World War II -- University of Chicago Medical School professor Dr. Alf Alving infects psychotic patients at Illinois State Hospital with the disease through blood transfusions and then experiments malaria cures on them (Sharav).

1944: A captain in the medical corps addresses an April 1944 memo to Col. Stanford Warren, head of the Manhattan Project's Medical Section, expressing his concerns about atom bomb component fluoride's central nervous system (CNS) effects and asking for animal research to be done to determine the extent of these effects: "Clinical evidence suggests that uranium hexafluoride may have a rather marked central nervous system effect ... It seems most likely that the F [code for fluoride] component rather than the T [code for uranium] is the causative factor ... Since work with these compounds is essential, it will be necessary to know in advance what mental effects may occur after exposure." The following year, the Manhattan Project would begin human-based studies on fluoride's effects (Griffiths and Bryson).

1944: The Manhattan Project medical team, led by the now infamous University of Rochester radiologist Col. Safford Warren, injects plutonium into patients at the University's teaching hospital, Strong Memorial (Burton Report).

1945: Continuing the Manhattan Project, researchers inject plutonium into three patients at the University of Chicago's Billings Hospital (Sharav).

1945: The U.S. State Department, Army intelligence and the CIA begin Operation Paperclip, offering Nazi scientists immunity and secret identities in exchange for work on
top-secret government projects on aerodynamics and chemical warfare medicine in the United States ("Project Paperclip").

1945: Researchers infect 800 prisoners in Atlanta with malaria to study the disease (Sharav).

1945: "Program F" is implemented by the U.S. Atomic Energy Commission (AEC). This is the most extensive U.S. study of the health effects of fluoride, which was the key chemical component in atomic bomb production. (Griffiths and Bryson) One of the most toxic chemicals known to man, fluoride, it is found, causes marked adverse effects to the central nervous system but much of the information is squelched in the name of national security because of fear that lawsuits would undermine full-scale production of atomic bombs.

1946: Gen. Douglas MacArthur strikes a secret deal with Japanese physician Dr. Shiro Ishii to turn over 10,000 pages of information gathered from human experimentation in exchange for granting Ishii immunity from prosecution for the horrific experiments he performed on Chinese, Russian and American war prisoners, including performing vivisections on live human beings (Goliszek, Sharav). Male and female test subjects at Chicago's Argonne National Laboratories are given intravenous injections of arsenic-76 so that researchers can study how the human body absorbs, distributes and excretes arsenic (Goliszek).

1946: Continuing the Newburg study of 1945, the Manhattan Project commissions the University of Rochester to study fluoride's effects on animals and humans in a project codenamed "Program F." With the help of the New York State Health Department, Program F researchers secretly collect and analyze blood and tissue samples from Newburg residents. The studies are sponsored by the Atomic Energy Commission and take place at the University of Rochester Medical Center's Strong Memorial Hospital (Griffiths and Bryson).

1946 - 1947: University of Rochester researchers inject four male and two female human test subjects with uranium-234 and uranium-235 in dosages ranging from 6.4 to 70.7 micrograms per one kilogram of body weight in order to study how much uranium they could tolerate before their kidneys become damaged (Goliszek).

1946: Six male employees of a Chicago metallurgical laboratory are given water contaminated with plutonium-239 to drink so that researchers can learn how plutonium is absorbed into the digestive tract (Goliszek).

1946: Researchers begin using patients in VA hospitals as test subjects for human medical experiments, cleverly worded as "investigations" or "observations" in medical study reports to avoid negative connotations and bad publicity (Sharav).

1946: The American public finally learns of the biowarfare experiments being done at Fort Detrick from a report released by the War Department (Goliszek).
1946 - 1953: The U.S. Atomic Energy Commission sponsors studies in which researchers from Harvard Medical School, Massachusetts General Hospital and the Boston University School of Medicine feed mentally disabled students at Fernald State School Quaker Oats breakfast cereal spiked with radioactive tracers every morning so that nutritionists can study how preservatives move through the human body and if they block the absorption of vitamins and minerals. Later, MIT researchers conduct the same study at Wrentham State School (Sharav, Goliszek).

1946: Human test subjects are given one to four injections of arsenic-76 at the University of Chicago Department of Medicine. Researchers take tissue biopsies from the subjects before and after the injections (Goliszek).

1947: Col. E.E. Kirkpatrick of the U.S. Atomic Energy Commission (AEC) issues a top-secret document (707075) dated Jan. 8. In it, he writes that "certain radioactive substances are being prepared for intravenous administration to human subjects as a part of the work of the contract" (Goliszek).

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1947: A secret AEC document dated April 17 reads, "It is desired that no document be released which refers to experiments with humans that might have an adverse reaction on public opinion or result in legal suits," revealing that the U.S. government was aware of the health risks its nuclear tests posed to military personnel conducting the tests or nearby civilians (Goliszek).

1947: The CIA begins studying LSD's potential as a weapon by using military and civilian test subjects for experiments without their consent or even knowledge. Eventually, these LSD studies will evolve into the MKULTRA program in 1953 (Sharav).

1947: (1947 - 1953) The U.S. Navy begins Project Chatter to identify and test so-called "truth serums," such as those used by the Soviet Union to interrogate spies. Mescaline and the central nervous system depressant scopolamine are among the many drugs tested on human subjects (Goliszek).

1948: Based on the secret studies performed on Newburgh, N.Y. residents beginning in 1945, Project F researchers publish a report in the August 1948 edition of the Journal of the American Dental Association, detailing fluoride's health dangers. The U.S. Atomic Energy Commission (AEC) quickly censors it for "national security" reasons (Griffiths and Bryson).
1950: The CIA and later the Office of Scientific Intelligence begin Project Bluebird (renamed Project Artichoke in 1951) in order to find ways to "extract" information from CIA agents, control individuals "through special interrogation techniques," "enhance memory" and use "unconventional techniques, including hypnosis and drugs" for offensive measures (Goliszek).

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[continues...](Concept: CIA)

1950 - 1953: The U.S. Army releases chemical clouds over six American and Canadian cities. Residents in Winnipeg, Canada, where a highly toxic chemical called cadmium is dropped, subsequently experience high rates of respiratory illnesses ([Cockburn and St. Clair, eds.](#)).

1950: In order to determine how susceptible an American city could be to biological attack, the U.S. Navy sprays a cloud of *Bacillus globigii* bacteria from ships over the San Francisco shoreline. According to monitoring devices situated throughout the city to test the extent of infection, the eight thousand residents of San Francisco inhale five thousand or more bacteria particles, many becoming sick with pneumonia-like symptoms (Goliszek). At least one death is known.

1950: Dr. Joseph Strokes of the University of Pennsylvania infects 200 female prisoners with viral hepatitis to study the disease ([Sharav](#)).

1950: Doctors at the Cleveland City Hospital study changes in cerebral blood flow by injecting test subjects with spinal anesthesia, inserting needles in their jugular veins and brachial arteries, tilting their heads down and, after massive blood loss causes paralysis and fainting, measuring their blood pressure. They often perform this experiment multiple times on the same subject (Goliszek).

1950: Dr. D. Ewen Cameron, later of MKULTRA infamy due to his 1957 to 1964 experiments on Canadians, publishes an article in the *British Journal of Physical Medicine*, in which he describes experiments that entail forcing schizophrenic patients at Manitoba's Brandon Mental Hospital to lie naked under 15- to 200-watt red lamps for up to eight hours per day. His other experiments include placing mental patients in an
electric cage that overheats their internal body temperatures to 103 degrees Fahrenheit, and inducing comas by giving patients large injections of insulin (Goliszek).

1950: Department of Defense begins plans to detonate nuclear weapons in desert areas and monitor downwind residents for medical problems and mortality rates.

1950 - 1953: An array of germ warfare weapons is allegedly used against North Korea. Accounts claim that there were releases of feathers infected with anthrax, fleas and mosquitoes dosed with Plague and Yellow Fever, and rodents infected with a variety of diseases. The Eisenhower administration later pressed Sedition Charges against three Americans who published charges of these activities. However, none of those charged were convicted.

1951: The U.S. Navy's Project Bluebird is renamed Project Artichoke and begins human medical experiments that test the effectiveness of LSD, sodium pentothal and hypnosis for the interrogative purposes described in Project Bluebird's objectives (1950) (Goliszek).

1951: The U.S. Army secretly contaminates the Norfolk Naval Supply Center in Virginia and Washington, D.C.'s National Airport with a strain of bacteria chosen because African-Americans were believed to be more susceptible to it than Caucasians. The experiment causes food poisoning, respiratory problems and blood poisoning (Cockburn and St. Clair, eds.).

1951 - 1952: Researchers withhold insulin from diabetic patients for up to two days in order to observe the effects of diabetes; some test subjects go into diabetic comas (Goliszek).

1951 - 1956: Under contract with the Air Force's School of Aviation Medicine (SAM), the University of Texas M.D. Anderson Cancer Center in Houston begins studying the effects of radiation on cancer patients -- many of them members of minority groups or indigents, according to sources -- in order to determine both radiation's ability to treat cancer and the possible long-term radiation effects of pilots flying nuclear-powered planes. The study lasts until 1956, involving 263 cancer patients. Beginning in 1953, the subjects are required to sign a waiver form, but it still does not meet the informed consent guidelines established by the Wilson memo released that year. The TBI studies themselves would continue at four different institutions -- Baylor University College of Medicine, Memorial Sloan-Kettering Institute for Cancer Research, the U.S. Naval Hospital in Bethesda and the University of Cincinnati College of Medicine -- until 1971 (U.S. Department of Energy, Goliszek).

1951: American, Canadian and British military and intelligence officials gather a small group of eminent psychologists to a secret meeting at the Ritz-Carlton Hotel in Montreal about Communist "thought-control techniques." They proposed a top-secret research program on behavior modification -- involving testing drugs, hypnosis, electroshock and lobotomies on humans (Barker).
1951: Department of Defense begins open air tests using disease-producing bacteria and viruses. Tests last through 1969 and there is concern that people in the surrounding areas have been exposed.

1952: Military scientists use the Dugway Proving Ground -- which is located 87 miles southwest of Salt Lake City, Utah -- in a series of experiments to determine how *Brucella suis* and *Brucella melitensis* spread in human populations. Today, over a half-century later, some experts claim that we are all infected with these agents as a result of these experiments (Goliszek).

1952: In a U.S. Department of Defense-sponsored experiment, Henry Blauer dies after he is injected with mescaline at Columbia University's New York State Psychiatric Institute (Sharav).

1952: At the famous Sloan-Kettering Institute, Chester M. Southam injects live cancer cells into prisoners at the Ohio State Prison to study the progression of the disease. Half of the prisoners in this National Institutes of Health-sponsored (NIH) study are black, awakening racial suspicions stemming from Tuskegee, which was also an NIH-sponsored study (Merritte, et al.).

1953:

1953 - 1970: The CIA begins project MKNAOMI to "stockpile incapacitating and lethal materials, to develop gadgetry for the disseminations of these materials, and to test the effects of certain drugs on animals and humans." As part of MKNAOMI, the CIA and the Special Operations Division of the Army Biological Laboratory at Fort Detrick try to develop two suicide pill alternatives to the standard cyanide suicide pill given to CIA agents and U-2 pilots. CIA agents and U-2 pilots are meant to take these pills when they find themselves in situations in which they (and all the information they hold in their brains) are in enemy hands. They also develop a "microbioinoculator" -- a device that agents can use to fire small darts coated with biological agents that can remain potent for weeks or even months. These darts can be fired through clothing and, most significantly, are undetectable during autopsy. Eventually, by the late 1960s, MKNAOMI enables the CIA to have a stockpile of biological toxins -- infectious viruses, paralytic shellfish toxin, lethal botulism toxin, snake venom and the severe skin disease-producing agent *Micosporum gypseum*. Of course, the development of all of this "gadgetry" requires human experimentation (Goliszek).

1953 - 1974: CIA Director Allen Dulles authorizes the MKULTRA program to produce and test drugs and biological agents that the CIA could use for mind control and behavior modification. MKULTRA later becomes well known for its pioneering studies on LSD, which are often performed on prisoners or patrons of brothels set up and run by the CIA. The brothel experiments, known as "Operation Midnight Climax," feature two-way mirrors set up in the brothels so that CIA agents can observe LSD's effects on sexual behavior. Ironically, governmental figures sometimes slip LSD into each other's drinks as part of the program, resulting in the LSD psychosis-induced suicide of Dr. Frank Olson.
indirectly at the hands of MKULTRA's infamous key player Dr. Sidney Gottlieb. Of all the hundreds of human test subjects used during MKULTRA, only 14 are ever notified of the involvement and only one is ever compensated ($15,000). Most of the MKULTRA files are eventually destroyed in 1973 (Elliston; Merritte, et al.; Barker).

1953: The U.S. Atomic Energy Commission (AEC) sponsors iodine studies at the University of Iowa. In the first study, researchers give pregnant women 100 to 200 microcuries of iodine-131 and then study the women's aborted embryos in order to learn at what stage and to what extent radioactive iodine crosses the placental barrier. In the second study, researchers give 12 male and 13 female newborns under 36 hours old and weighing between 5.5 and 8.5 pounds iodine-131 either orally or via intramuscular injection, later measuring the concentration of iodine in the newborns' thyroid glands (Goliszek).

1953: Secretary of Defense Charles Wilson issues the Wilson memo, a top-secret document establishing the Nuremberg Code as Department of Defense policy on human experimentation. The Wilson memo requires voluntary, written consent from a human medical research subject after he or she has been informed of "the nature, duration, and purpose of the experiment; the method and means by which it is to be conducted; all inconveniences and hazards reasonably to be expected; and effects upon his health or person which may possibly come from his participation in the experiment." It also insists that doctors only use experimental treatments when other methods have failed (Berdon).

1953: As part of an AEC study, researchers feed 28 healthy infants at the University of Nebraska College of Medicine iodine-131 through a gastric tube and then test concentration of iodine in the infants' thyroid glands 24 hours later (Goliszek).

1953 - 1957: Eleven patients at Massachusetts General Hospital in Boston are injected with uranium as part of the Manhattan Project (Sharav).

1953: In an AEC-sponsored study at the University of Tennessee, researchers inject healthy two- to three-day-old newborns with approximately 60 rads of iodine-131 (Goliszek).

1953: Newborn Daniel Burton becomes blind when physicians at Brooklyn Doctors Hospital perform an experimental high oxygen treatment for Retrolental Fibroplasia, a retinal disorder affecting premature infants, on him and other premature babies. The physicians perform the experimental treatment despite earlier studies showing that high oxygen levels cause blindness. Testimony in Burton v. Brooklyn Doctors Hospital (452 N.Y.S.2d875) later reveals that researchers continued to give Burton and other infants excess oxygen even after their eyes had swelled to dangerous levels (Goliszek, Sharav).

1953: The CIA begins Project MKDELTA to study the use of biochemicals "for harassment, discrediting and disabling purposes" (Goliszek).
1953: A 1953 article in *Clinical Science* describes a medical experiment in which researchers purposely blister the abdomens of 41 children, ranging in age from eight to 14, with cantharide in order to study how severely the substance irritates the skin (Goliszek).

1953: The AEC performs a series of field tests known as "Green Run," dropping radiodine 131 and xenon 133 over the Hanford, Wash. site -- 500,000 acres encompassing three small towns (Hanford, White Bluffs and Richland) along the Columbia River (Sharav).

1953: In an AEC-sponsored study to learn whether radioactive iodine affects premature babies differently from full-term babies, researchers at Harper Hospital in Detroit give oral doses of iodine-131 to 65 premature and full-term infants weighing between 2.1 and 5.5 pounds (Goliszek).

1953: U.S. military releases clouds of zinc cadmium sulfide gas over Winnipeg, St. Louis, Minneapolis, Fort Wayne, the Monocacy River Valley in Maryland, and Leesburg, Virginia. Their intent is to determine how efficiently they could disperse chemical agents.

1953: Joint Army-Navy-CIA experiments are conducted in which tens of thousands of people in New York and San Francisco are exposed to the airborne germs Serratia marcescens and Bacillus glogigii.

1954: The CIA begins Project QKHILLTOP to study Chinese Communist Party brainwashing techniques and use them to further the CIA's own interrogative methods. Most experts speculate that the Cornell University Medical School Human Ecology Studies Program conducted Project QKHILLTOP's early experiments (Goliszek).

1954 - 1975: U.S. Air Force medical officers assigned to Fort Detrick's Chemical Corps Biological Laboratory begin Operation Whitecoat -- experiments involving exposing human test subjects to hepatitis A, plague, yellow fever, Venezuelan equine encephalitis, Rift Valley fever, rickettsia and intestinal microbes. These test subjects include 2,300 Seventh Day Adventist military personnel, who choose to become human guinea pigs rather than potentially kill others in combat. Only two of the 2,300 claim long-term medical complications from participating in the study ("Operation Whitecoat").

1954: In a general memo to university researchers under contract with the military, the Surgeon General of the U.S. Army asserts the human experimentation guidelines -- including informed, written consent -- established in the classified Wilson memo (Goliszek).

1955: The Tampa Bay area of Florida experienced a sharp rise in Whooping Cough cases, including 12 deaths, after a CIA test where a bacteria withdrawn from the Army's Chemical and Biological Warfare arsenal was released into the environment. Details of the test are still classified.
1955: In U.S. Army-sponsored experiments performed at Tulane University, mental patients are given LSD and other drugs and then have electrodes implanted in their brain to measure the levels (Barker, "The Cold War Experiments").

1955 - 1957: In order to learn how cold weather affects human physiology, researchers give a total of 200 doses of iodine-131, a radioactive tracer that concentrates almost immediately in the thyroid gland, to 85 healthy Eskimos and 17 Athapaskan Indians living in Alaska. They study the tracer within the body by blood, thyroid tissue, urine and saliva samples from the test subjects. Due to the language barrier, no one tells the test subjects what is being done to them, so there is no informed consent (Goliszek).

1955 - 1965: As a result of their work with the CIA's mind control experiments in Project QKHILLTOP, Cornell neurologists Harold Wolff and Lawrence Hinkle begin the Society for the Investigation of Human Ecology (later renamed the Human Ecology Fund) to study "man's relation to his social environment as perceived by him" (Goliszek).

1955: Army Chemical Corps continues LSD research, studying its potential use as a chemical incapacitating agent. More than 1,000 Americans participate in the tests, which continue until 1958.

1956 - 1958: In Savannah, Georgia and Avon Park, Florida, the Army carried out field tests in which mosquitoes infected with yellow fever and dengue fever were released into residential neighborhoods from both ground level and from aircraft. Many people were swarmed by Mosquitoes, and fell ill, some even died. After each test, U.S. Army personnel posing as public health officials photographed and tested the victims. It is theorized that the mosquitoes were infected with a strain of Yellow Fever. However, details of the testing remain classified. These experiments result in a high incidence of fevers, respiratory distress, stillbirths, encephalitis and typhoid among the two cities' residents, as well as several deaths (Cockburn and St. Clair, eds.).

1957: The U.S. military conducts Operation Plumbbob at the Nevada Test Site, 65 miles northwest of Las Vegas. Operation Pumbbob consists of 29 nuclear detonations, eventually creating radiation expected to result in a total 32,000 cases of thyroid cancer among civilians in the area. Around 18,000 members of the U.S. military participate in Operation Pumbbob's Desert Rock VII and VIII, which are designed to see how the average foot soldier physiologically and mentally responds to a nuclear battlefield ("Operation Plumbbob", Goliszek).

1957 - 1964: As part of MKULTRA, the CIA pays McGill University Department of Psychiatry founder Dr. D. Ewen Cameron $69,000 to perform LSD studies and potentially lethal experiments on Canadians being treated for minor disorders like post-partum depression and anxiety at the Allan Memorial Institute, which houses the Psychiatry Department of the Royal Victoria Hospital in Montreal. The CIA encourages Dr. Cameron to fully explore his "psychic driving" concept of correcting madness through completely erasing one's memory and rewriting the psyche. These "driving" experiments involve putting human test subjects into drug-, electroshock- and sensory
deprivation-induced vegetative states for up to three months, and then playing tape loops of noise or simple repetitive statements for weeks or months in order to "rewrite" the "erased" psyche. Dr. Cameron also gives human test subjects paralytic drugs and electroconvulsive therapy 30 to 40 times, as part of his experiments. Most of Dr. Cameron's test subjects suffer permanent damage as a result of his work (Goliszek, "Donald Ewan Cameron").

1957: In order to study how blood flows through children's brains, researchers at Children's Hospital in Philadelphia perform the following experiment on healthy children, ranging in age from three to 11: They insert needles into each child's femoral artery (thigh) and jugular vein (neck), bringing the blood down from the brain. Then, they force each child to inhale a special gas through a facemask. In their subsequent *Journal of Clinical Investigation* article on this study, the researchers note that, in order to perform the experiment, they had to restrain some of the child test subjects by bandaging them to boards (Goliszek).

1958: LSD is tested on 95 volunteers at the Army's Chemical Warfare Laboratories for its effect on intelligence.

1958: Approximately 300 members of the U.S. Navy are exposed to radiation when the Navy destroyer *Mansfield* detonates 30 nuclear bombs off the coasts of Pacific Islands during Operation Hardtack (Goliszek).

1958: The U.S. Atomic Energy Commission (AEC) drops radioactive materials over Point Hope, Alaska, home to the Inupiats, in a field test known under the codename "Project Chariot" (Sharav).

1960: The Army Assistant Chief-of-Staff for Intelligence (ACSI) authorizes field testing of LSD in Europe and the Far East. Testing of the European population is code named Project THIRD CHANCE; testing of the Asian population is code named Project DERBY HAT.

1961: In response to the Nuremberg Trials, Yale psychologist Stanley Milgram begins his famous Obedience to Authority Study in order to answer his question "Could it be that (Adolf) Eichmann and his million accomplices in the Holocaust were just following orders? Could we call them all accomplices?" Male test subjects, ranging in age from 20 to 40 and coming from all education backgrounds, are told to give "learners" electric shocks for every wrong answer the learners give in response to word pair questions. In reality, the learners are actors and are not receiving electric shocks, but what matters is that the test subjects do not know that. Astoundingly, they keep on following orders and continue to administer increasingly high levels of "shocks," even after the actor learners show obvious physical pain ("Milgram Experiment").

1962: Researchers at the Laurel Children's Center in Maryland test experimental acne antibiotics on children and continue their tests even after half of the young test subjects develop severe liver damage because of the experimental medication (Goliszek).
1962: The U.S. Army's Deseret Test Center begins Project 112. This includes SHAD (Shipboard Hazard and Defense), which exposes U.S. Navy and Army personnel to live toxins and chemical poisons in order to determine naval ships' vulnerability to chemical and biological weapons. Military personnel are not test subjects; conducting the tests exposes them. Many of these participants complain of negative health effects at the time and, decades later, suffer from severe medical problems as a result of their exposure (Goliszek, Veterans Health Administration).

1962: The FDA begins requiring that a new pharmaceutical undergo three human clinical trials before it will approve it. From 1962 to 1980, pharmaceutical companies satisfy this requirement by running Phase I trials, which determine a drug's toxicity, on prison inmates, giving them small amounts of cash for compensation (Sharav).

1963: Chester M. Southam, who injected Ohio State Prison inmates with live cancer cells in 1952, performs the same procedure on 22 senile, African-American female patients at the Brooklyn Jewish Chronic Disease Hospital in order to watch their immunological response. Southam tells the patients that they are receiving "some cells," but leaves out the fact that they are cancer cells. He claims he doesn't obtain informed consent from the patients because he does not want to frighten them by telling them what he is doing, but he nevertheless temporarily loses his medical license because of it. Ironically, he eventually becomes president of the American Cancer Society (Greger, Merritte, et al.).

1963: Researchers at the University of Washington directly irradiate the testes of 232 prison inmates in order to determine radiation's effects on testicular function. When these inmates later leave prison and have children, at least four have babies born with birth defects. The exact number is unknown because researchers never follow up on the men to see the long-term effects of their experiment (Goliszek).

1963: In a National Institutes of Health-sponsored (NIH) study, a researcher transplants a chimpanzee's kidney into a human. The experiment fails (Sharav).

1963 - 1966: New York University researcher Saul Krugman promises parents with mentally disabled children definite enrollment into the Willowbrook State School in Staten Island, N.Y., a resident mental institution for mentally retarded children, in exchange for their signatures on a consent form for procedures presented as "vaccinations." In reality, the procedures involve deliberately infecting children with viral hepatitis by feeding them an extract made from the feces of infected patients, so that Krugman can study the course of viral hepatitis as well the effectiveness of a hepatitis vaccine (Hammer Breslow).

1963 - 1971: Leading endocrinologist Dr. Carl Heller gives 67 prison inmates at Oregon State Prison in Salem $5 per month and $25 per testicular tissue biopsy in compensation for allowing him to perform irradiation experiments on their testes. If they receive vasectomies at the end of the study, the prisoners are given an extra $100 (Sharav, Goliszek).
1963: Researchers inject a genetic compound called radioactive thymidine into the testicles of more than 100 Oregon State Penitentiary inmates to learn whether sperm production is affected by exposure to steroid hormones (Greger).

1963: In a study published in *Pediatrics*, researchers at the University of California's Department of Pediatrics use 113 newborns ranging in age from one hour to three days old in a series of experiments used to study changes in blood pressure and blood flow. In one study, doctors insert a catheter through the newborns' umbilical arteries and into their aortas and then immerse the newborns' feet in ice water while recording aortic pressure. In another experiment, doctors strap 50 newborns to a circumcision board, tilt the table so that all the blood rushes to their heads and then measure their blood pressure (Goliszek).

1964 - 1968: The U.S. Army pays $386,486 (the largest sum ever paid for human experimentation) to University of Pennsylvania Professors Albert Kligman and Herbert W. Copelan to run medical experiments on 320 inmates of Holmesburg Prison to determine the effectiveness of seven mind-altering drugs. The researchers' objective is to determine the minimum effective dose of each drug needed to disable 50 percent of any given population (MED-50). Though Professors Kligman and Copelan claim that they are unaware of any long-term effects the mind-altering agents might have on prisoners, documents revealed later would prove otherwise (Kaye).

1964 - 1967: The Dow Chemical Company pays Professor Kligman $10,000 to learn how dioxin -- a highly toxic, carcinogenic component of Agent Orange -- and other herbicides affect human skin because workers at the chemical plant have been developing an acne-like condition called Chloracne and the company would like to know whether the chemicals they are handling are to blame. As part of the study, Professor Kligman applies roughly the amount of dioxin Dow employees are exposed to on the skin 60 prisoners, and is disappointed when the prisoners show no symptoms of Chloracne. In 1980 and 1981, the human guinea pigs used in this study would begin suing Professor Kligman for complications including lupus and psychological damage (Kaye).

1965: CIA and Department of Defense begin Project MKSEARCH, a program to develop a capability to manipulate human behavior through the use of mind-altering drugs.

1965: In a three year study, 70 volunteer prisoners at the Holmesburg State Prison in Philadelphia were subjected to tests of dioxin, the highly toxic chemical contaminant in Agent Orange. Lesions which the men developed were not treated and remained for up to seven months. None of the subjects was informed that they would later be studied for the development of cancer. This was the second such experiment which Dow Chemical undertook on "volunteers" who did not receive the information which the world proclaimed was necessary for "informed consent" at Nuremberg.

Note: Dow/Corning manufactured and sold artificial breast implants even after the health risks of the implants became known. The massive class action lawsuit was only recently settled.
1965: The Department of Defense uses human test subjects wearing rubber clothing and M9A1 masks to conduct 35 trials near Fort Greely, Alaska, as part of the Elk Hunt tests, which are designed to measure the amount of VX nerve agent put on the clothing of people moving through VX-contaminated areas or touching contaminated vehicles, and the amount of VX vapor rising from these areas. After the tests, the subjects are decontaminated using wet steam and high-pressure cold water (Goliszek).

1965: As part of a test codenamed "Big Tom," the Department of Defense sprays Oahu, Hawaii's most heavily populated island, with Bacillus globigii in order to simulate an attack on an island complex. Bacillus globigii causes infections in people with weakened immune systems, but this was not known to scientists at the time (Goliszek, Martin).

1966: The CIA continues a limited number of MKULTRA plans by beginning Project MKSEARCH to develop and test ways of using biological, chemical and radioactive materials in intelligence operations, and also to develop and test drugs that are able to produce predictable changes in human behavior and physiology (Goliszek).

1966: Dr. Henry Beecher writes, "The well-being, the health, even the actual or potential life of all human beings, born or unborn, depend upon the continuing experimentation in man. Proceed it must; proceed it will. 'The proper study of mankind is man,'" in his "exposé" on human medical experimentation Research and the Individual ("Human Experimentation: Before the Nazi Era and After").

1966: The National Commission for the Protection of Research Subjects issues its Policies for the Protection of Human Subjects, which eventually creates what we now know as institutional review boards (IRBs) (Sharav).

1966: The U.S. Army dispensed Bacillus subtilis variant niger throughout the New York City subway system. More than a million civilians were exposed when army scientists drop lightbulbs filled with the bacteria onto ventilation grates. Materials available on the incident noted the Army's justification for the experiment was the fact that there are many subways in the (former) Soviet Union, Europe, and South America. Although there are no harmful effects known for this release, details of the experiment are still classified.

1967: Continuing on his Dow Chemical Company-sponsored dioxin study without the company's knowledge or consent, University of Pennsylvania Professor Albert Kligman increases the dosage of dioxin he applies to 10 prisoners' skin to 7,500 micrograms, 468 times the dosage Dow official Gerald K. Rowe had authorized him to administer. As a result, the prisoners experience acne lesions that develop into inflammatory pustules and papules (Kaye).

1967: The CIA places a chemical in the drinking water supply of the FDA headquarters in Washington, D.C. to see whether it is possible to spike drinking water with LSD and other substances (Cockburn and St. Clair, eds.).
1967: In a study published in the *Journal of Clinical Investigation*, researchers inject pregnant women with radioactive cortisol to see if the radioactive material will cross the placentas and affect the fetuses (Goliszek).

1967: The U.S. Army pays Professor Kligman to apply skin-blasting chemicals to Holmesburg Prison inmates' faces and backs, so as to, in Professor Kligman's words, "learn how the skin protects itself against chronic assault from toxic chemicals, the so-called hardening process," information which would have both offensive and defensive applications for the U.S. military (Kaye).

1967: The CIA and Edgewood Arsenal Research Laboratories begin an extensive program for developing drugs that can influence human behavior. This program includes Project OFTEN -- which studies the toxicology, transmission and behavioral effects of drugs in animal and human subjects -- and Project CHICKWIT, which gathers European and Asian drug development information (Goliszek).

1967: Professor Kligman develops Retin-A as an acne cream (and eventually a wrinkle cream), turning him into a multi-millionaire (Kaye).

1967: Researchers paralyze 64 prison inmates in California with a neuromuscular compound called succinylocholine, which produces suppressed breathing that feels similar to drowning. When five prisoners refuse to participate in the medical experiment, the prison's special treatment board gives researchers permission to inject the prisoners with the drug against their will (Greger).

1967: CIA and Department of Defense implement Project MKNAOMI, successor to MKULTRA and designed to maintain, stockpile and test biological and chemical weapons.

1968: Planned Parenthood of San Antonio and South Central Texas and the Southwest Foundation for Research and Education begin an oral contraceptive study on 70 poverty-stricken Mexican-American women, giving only half the oral contraceptives they think they are receiving and the other half a placebo. When the results of this study are released a few years later, it stirs tremendous controversy among Mexican-Americans (Sharav, Sauter).

1968 - 1969: The CIA experimented with the possibility of poisoning drinking water by injecting a chemical substance into the water supply of the Food And Drug Administration in Washington, D.C.. There were no harmful effects noted from this experiment. However, none of the human subjects in the building were ever asked for their permission, nor was anyone provided with information on the nature or effects of the chemical used.

1969: President Nixon ends the United States' offensive biowarfare program, including human experimentation done at Fort Detrick. By this time, tens of thousands of civilians
and members of the U.S. armed forces have wittingly and unwittingly acted as participants in experiments involving exposure to dangerous biological agents (Goliszek).

1969: The U.S. military conducts DTC Test 69-12, which is an open-air test of VX and sarin nerve agents at the Army's Edgewood Arsenal in Maryland, likely exposing military personnel (Goliszek, Martin).

1969: Experimental drugs are tested on mentally disabled children in Milledgeville, Ga., without any institutional approval whatsoever (Sharav).

1969: Judge Sam Steinfield's dissent in Strunk v. Strunk, 445 S.W.2d 145 marks the first time a judge has ever suggested that the Nuremberg Code be applied in American court cases (Sharav).

1969: On June 9, 1969, Dr. Dr. Donald M. MacArthur, then Deputy Director of Research and Technology for the Department of Defense, appeared before the House Subcommittee on Appropriations to request funding for a project to produce a synthetic biological agent for which humans have not yet acquired a natural immunity. Dr. MacArthur asked for $10 million dollars to produce this agent over the next 5-10 years. The Congressional Record reveals that according to the plan for the development of this germ agent, the most important characteristic of the new disease would be "that it might be refractory [resistant] to the immunological and therapeutic processes upon which we depend to maintain our relative freedom from infectious disease". AIDS first appeared as a public health risk ten years later, appearing first in a population of gay men who had been subjects in a test of a new Hepatitis vaccine. In 1989, work by Alan Cantwell Jr., M.D. linking AIDS to the hepatitis B viral vaccine experiments was suppressed at the 1989 AIDS International Conference by officials of the World Health Organization.

1970: A year after his request, under H.R. 15090, Dr. MacArthur receives funding to begin CIA-supervised mycoplasma research with Fort Detrick's Special Operations Division, the army's top secret biological weapons facility. Speculation is raised that molecular biology techniques are used to produce AIDS-like retroviruses. Some experts believe that this research may have inadvertently created HIV, the virus that causes AIDS (Goliszek).

1970: Under order from the National Institutes of Health (NIH), which also sponsored the Tuskegee Experiment, the free childcare program at Johns Hopkins University collects blood samples from 7,000 African-American youth, telling their parents that they are checking for anemia but actually checking for an extra Y chromosome (XYY), believed to be a biological predisposition to crime. The program director, Digamber Borganokar, does this experiment without Johns Hopkins University's permission (Greger, Merritte, et al.).

1970: United States intensifies its development of "ethnic weapons" (Military Review, Nov., 1970), designed to selectively target and eliminate specific ethnic groups who are susceptible due to genetic differences and variations in DNA.
1971: President Nixon converts Fort Detrick from an offensive biowarfare lab to the Frederick Cancer Research and Development Center, now known as the National Cancer Institute at Frederick. In addition to cancer research, scientists study virology, immunology and retrovirology (including HIV) there. Additionally, the site is home to the U.S. Army Medical Research Institute, which researches drugs, vaccines and countermeasures for biological warfare, so the former Fort Detrick does not move far away from its biowarfare past (Goliszek).

1971: Stanford University conducts the Stanford Prison Experiment on a group of college students in order to learn the psychology of prison life. Some students are given the role as prison guards, while the others are given the role of prisoners. After only six days, the proposed two-week study has to end because of its psychological effects on the participants. The "guards" had begun to act sadistic, while the "prisoners" started to show signs of depression and severe psychological stress (University of New Hampshire).

1971: An article entitled "Viral Infections in Man Associated with Acquired Immunological Deficiency States" appears in Federation Proceedings. Dr. MacArthur and Fort Detrick's Special Operations Division have, at this point, been conducting mycoplasma research to create a synthetic immunosuppressive agent for about one year, again suggesting that this research may have produced HIV (Goliszek).

1972: In studies sponsored by the U.S. Air Force, Dr. Amedeo Marrazzi gives LSD to mental patients at the University of Missouri Institute of Psychiatry and the University of Minnesota Hospital to study "ego strength" (Barker).

1972: President Nixon announced a ban on the production and use of biological (but not chemical) warfare agents. However, as the Army's own experts reveal, this ban is meaningless because the studies required to protect against biological warfare weapons are generally indistinguishable from those to develop the actual chemical weapons. Research on offensive bio-war continued under the justification that such research was a necessary pre-cursor to defensive bio-war.

1974: Less publicized was National Security Study memorandum 200. This document declared that overpopulation of the world posed a grave threat to the nation and urged the imposition of population control measures wherever possible. While the media have reported the forced sterilizations in China, Canada, and Sweden, the abuses of the sterilization programs here in the United States remain concealed from public view. A class action suit in Los Angeles revealed that Chicano women were being sterilized immediately after giving birth. The non-English speaking women had been given sterilization consent forms in English and were told the operation was to deal with the after-affects of the pregnancy. Similar abuses were reported on reservations, with estimates of coerced or covert sterilization running as high as one woman out of every four. Yet another lawsuit in New York and a scandal in Puerto Rico led to the passage of laws requiring a standardized consent form printed in multiple languages in 1979.
More can be found in... Michael Parenti. [book] "Democracy for the Few" (St. Martin's Press 1995)

1975: The virus section of Fort Detrick's Center for Biological Warfare Research is renamed the Fredrick Cancer Research Facilities and placed under the supervision of the National Cancer Institute (NCI). It is here that a special virus cancer program is initiated by the U.S. Navy, purportedly to develop cancer-causing viruses. It is also here that retrovirologists isolate a virus to which no immunity exists. It is later named HTLV (Human T-cell Leukemia Virus).

1977: Senate hearings on Health and Scientific Research confirm that 239 populated areas had been contaminated with biological agents between 1949 and 1969. Some of the areas included San Francisco, Washington, D.C., Key West, Panama City, Minneapolis, and St. Louis.

1977: Ray Ravenhott, director of the population program of the U.S. Agency for International Development (AID), publicly announced the agency's goal to sterilize one quarter of the world's women. In reports by the St Louis Post-Dispatch, Ravenhott in essence cited the reasoning for this being U.S. corporate interests in avoiding the threat of revolutions which might be spawned by chronic unemployment. Since then, allegations have surfaced that free vaccinations being given by the World Health Organization include a "pregnancy anti-body" which fools a woman's body into treating a pregnancy as an infection.

1978: Experimental Hepatitis B vaccine trials, conducted by the CDC, begin in New York, Los Angeles and San Francisco. Ads for research subjects specifically ask for promiscuous homosexual men.

Since 1979, population control in accordance with NSS 200 has become more covert. An organization in Belgium called the "World Federation Of Doctors who value life" claims to have discovered a sterilizing agent in the tetanus vaccines being used in third world nations by the World Health Organization. The claim is supported by the fact that only women were given the multi-injection tetanus shots (normal tetanus shots only require a single injection). Villagers in India were offered cash payments on the condition that 75 percent of all men in the village submit to vasectomy. In another Indian village, "100 percent of the eligible couples" were reported to have accepted family planning, mostly by means of vasectomy, in exchange for a new village well.

1980-1981: Within months of their incarceration in detention centers in Miami and Puerto Rico, many male Haitian refugees developed an unusual condition called "gynecomasia". This is a condition in which males develop full female breasts. A number of the internees at Ft. Allen in Puerto Rico claimed that they were forced to undergo a series of injections which they believed to be hormones. When "Inside Investigations" showed a prison video of serial killer Richard Speck engaging in drugs and sex, the female breasts were clearly visible on the man.
1981: More than 300,000 Cubans were stricken with dengue hemorrhagic fever. An investigation by the magazine 'Covert Action Information Bulletin', which tracks the workings of various intelligence agencies around the world, suggested that this outbreak was the result of a release of mosquitoes by Cuban counterrevolutionaries. The magazine tracked the activities of one CIA operative from a facility in Panama to the alleged Cuban connections. During the last 30 years, Cuba has been subjected to an enormous number of outbreaks of human and crop diseases which are difficult to attribute purely natural causes.

1981: First cases of AIDS are confirmed in homosexual men in New York, Los Angeles and San Francisco, triggering speculation that AIDS may have been introduced via the Hepatitis B vaccine.

1982: El Salvadoran trade unionists claimed that epidemics of many previously unknown diseases had cropped up in areas immediately after U.S. directed aerial bombings.

1985: An outbreak of Dengue fever strikes Managua Nicaragua shortly after an increase of U.S. aerial reconnaissance missions. Nearly half of the capital city's population was stricken with the disease, and several deaths have been attributed to the outbreak. It was the first such epidemic in the country and the outbreak was nearly identical to that which struck Cuba a few years earlier (1981). Dengue fever variations were the focus of much experimentation at the Army's Biological Warfare test facility at Ft. Dietrick, Maryland prior to the 'ban' on such research in 1972.

1985: In ruling on a case in which a former U.S. Army sergeant attempted to bring a lawsuit against the Army for using experimental drugs on him, without his knowledge, the U.S. Supreme Court determined that allowing such an action against the military would disrupt the chain of command. Thus, nearly all potential actions against the military for past, or future, misdeeds have been barred as have actions aimed at the release of classified documents on the subject.

In short, no matter what they do to you, nothing will happen to them. Dr. Mengala would have loved it here!

1986: According to the Proceedings of the National Academy of Sciences (83:4007-4011), HIV and VISNA are highly similar and share all structural elements, except for a small segment which is nearly identical to HTLV. This leads to speculation that HTLV and VISNA may have been linked to produce a new retrovirus to which no natural immunity exists.

1986: A report to Congress reveals that the U.S. Government's current generation of biological agents includes: modified viruses, naturally occurring toxins, and agents that are altered through genetic engineering to change immunological character and prevent treatment by all existing vaccines.
1987: As the result of a lawsuit by a public interest group, the Department of Defense was forced to reveal that, despite a treaty banning research and development of biological agents, it still operated Chemical and Biological Warfare (CBW) research programs at 127 sites around the United States.

1990: More than 1500 six-month old black and hispanic babies in Los Angeles are given an "experimental" measles vaccine that had never been licensed for use in the United States. CDC later admits that parents were never informed that the vaccine being injected to their children was experimental.

1992: The Michigan Supreme Court rules that the state court has the right to order sterilizations "for the good of the ward".

1994: With a technique called "gene tracking," Dr. Garth Nicolson at the MD Anderson Cancer Center in Houston, TX discovers that many returning Desert Storm veterans are infected with an altered strain of Mycoplasma incognitus, a microbe commonly used in the production of biological weapons. Incorporated into its molecular structure is 40 percent of the HIV protein coat, indicating that it had been man-made.

1994: Senator John D. Rockefeller issues a report revealing that for at least 50 years the Department of Defense has used hundreds of thousands of military personnel in human experiments and for intentional exposure to dangerous substances. Materials included mustard and nerve gas, ionizing radiation, psychochemicals, hallucinogens, and drugs used during the Gulf War.

1994: Abuses of American sponsored population control agendas start to surface around the world.

1994: Mr. Leonardo Casco, a member of the Honduran delegation to the 1994 United Nations World Population Conference in Cairo said, "In our hospitals and in our health care system, we have a lot of problems getting basic medicines -- things like penicillin and antibiotics. There is a terrible shortage of basic medicines, but you can find the cabinets full of condoms, pills and IUDs."

1994: Dr. Stephen K. Karanja, an obstetrician/gynecologist from Kenya, writes, "[T]housands of the Kenyan people will die of Malaria whose treatment costs a few cents, in health facilities whose stores are stalked [sic] to the roof with millions of dollars worth of pills, IUDs, Norplant, Depo-provera, most of which are supplied with American money."

1995: U.S. Government admits that it had offered Japanese war criminals and scientists who had performed human medical experiments salaries and immunity from prosecution in exchange for data on biological warfare research.
1995: Dr. Garth Nicolson, uncovers evidence that the biological agents used during the Gulf War had been manufactured in Houston, TX and Boca Raton, Fl and tested on prisoners in the Texas Department of Corrections.

1996: Under pressure from Congress and the public, after a 60 Minutes segment, the U.S. Department of Defense finally admits that at least 20,000 U.S. servicemen "may" have been exposed to chemical weapons during operation 'Desert Storm'. This exposure is claimed to be the result of the destruction of a Iraqi weapons bunker. Similar illnesses of other troops, who were not in this area, suggest other means of exposure not yet admitted to. Veterans groups have released information that many of the problems may be a result of experimental vaccines and innoculations which were provided troops during the military buildup.

1996: In testimony before the Senate Foreign Relations Committee in June 1996, Christine de Vollmer, president of the Latin America Alliance for the Family, said that Latin America perceives Timothy Wirth, Undersecretary of State and top official in charge of U.S. population control policy, as "a ruthless population controller, unashamed of coercive measures and disrespectful" of the human rights of people, particularly women, in developing countries.

Brazilian senator Rosiska Darcy de Olivera condemned the United States for its population programs, which force Brazilian women to undergo sterilization, saying: "To say that women from the South who have many babies are responsible for the environmental crisis -- it's a scandal."

1997: The city of Minneapolis is sprayed with chemicals used to test germ warfare techniques over a period of several months, in 61 separate operations. It is assumed that the chemicals are harmless, but there is an increase in the rates for respiratory illness in the sprayed areas.

1997: Students and faculty at the Jasper School in Arkansas are struck down by a mysterious malady on Jan 31st that sends many of them to the hospital. Some of the paramedics and emergency workers who arrive at the school later become ill, with the primary symptom being an incapacitating headache, which takes several weeks to subside. Despite constant monitoring of the kids by health workers, no cause is ever announced.

1997: Eighty-eight members of Congress sign a letter demanding an investigation into bioweapons use & Gulf War Syndrome.