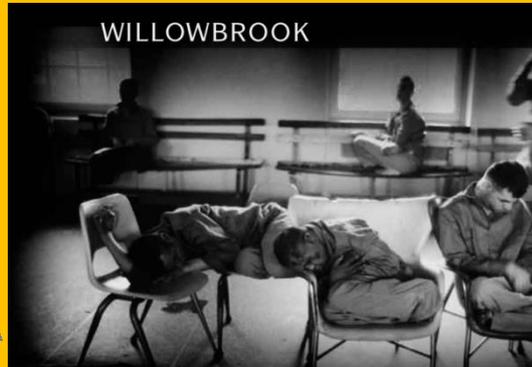


Ethics in research

How do ethical issues inform and restrain research practices?

How are humans and animals protected during research?



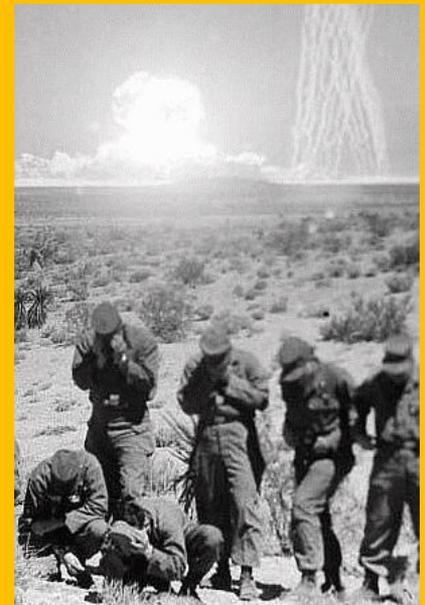
Radioactive oatmeal!

- More than 100 boys living in an orphanage were fed Quaker Oats with radioactive iron and calcium in the 1950's.
- The diet was part of an experiment to prove that the nutrients in Quaker oatmeal travel throughout the body.
- A class action settlement for \$1.85 million was reached in 1998



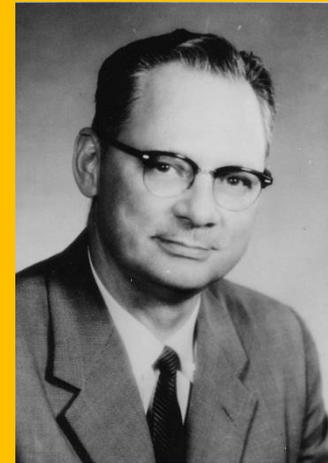
The atomic veterans

- During and after WWII, American soldiers were forced to observe nuclear blasts within 50 miles of ground zero.
- Thousands of these soldiers later died of leukemia and other rare forms of cancer.
- Their families were barred from suing the federal government



Wendell Johnson's diagnosogenic theory of stuttering

- ***"The Monster Study"***
- In 1938, Wendell Johnson and Mary Tudor trained orphans to be more conscious of small speech errors.
- Johnson's theory was that punishing fluency errors made them worse.
- All five stutterers in the test group showed increased stuttering; five out of six of the normal children exhibited worse fluency.
- The experiment, referred to by some as the "Monster Experiment" turned some of the children into lifelong stutterers despite later efforts to reverse the damage.



The Need for Ethical Principles

- Psychologists must ask and answer questions such as:
 - Are we putting our participants at risk?
 - Is our experimental treatment harmful?
 - Is the information we will gather from our experiment worth the potential risk and harm to participants that is involved?

Standards governing social science research

- at the department level
 - Human Subjects Committees
- at the university level:
 - *Institutional Review Boards (IRBs)*
 - The purpose of an IRB is to review research and to ensure the rights and welfare of human subjects involved in research are adequately protected.
- professional associations
 - American Psychological Association's (APA) "Ethical Guidelines"
 - "Code of Ethics" of the American Speech Hearing and Language Association

Voluntary informed consent

- Before conducting any research using human participants, a participant's voluntary informed consent must first be obtained:
 - **Voluntary:** the subject willingly agrees to participate in the study, and is free to withdraw at any time without penalty
 - **Informed:** the subject is aware of any risks (physical or psychological) associated with participating
 - **Consent:** the subject's consent is unambiguous, e.g., a signed permission form
(no such thing as "implied consent")
- Exceptions to the consent requirements
 - Low-risk anonymous survey
 - Observations gathered in public place
 - Information in the public domain
- Minors cannot give consent, and parental consent is required.

No harm to the participants

- minimizing psychological risks
 - Example: avoid simulations that accentuate racist, sexist, or homophobic attitudes
- minimizing physical risks
 - Example: Avoid infecting people with diseases, avoid shocking people.
- showing concern for the welfare of participants
 - Example: Wendell Johnson's "Monster Study"



Privacy concerns

- **Anonymity:** no one including the experimenter can match the data to specific individuals
- **Confidentiality:** the experimenter may know the participants' identities but takes steps to protect participant's privacy. (Don't release names, SS#'s, results, etc.)

Debriefing

- **Dehoaxing:**
 - undoing the cover story and revealing the true purpose of the investigation
- **Desensitizing:**
 - addressing any lingering psychological or emotional concerns associated with participating in the investigation
 - Explaining the benefits of participation to subjects
 - Thanking subjects and providing for future contact if necessary

Deception and the use of cover stories

- Intentional deception beyond the purpose of the study should be avoided.
- The following structures should be adhered to for the use of deception in experimental research:
 - As a last resort: When there is no other feasible way to obtain the desired information
 - example: studies on student cheating
 - When the benefits substantially outweigh the risks
 - example: controlled double-blind studies on drug efficacy
 - When subjects are given the option to withdraw at any time, without penalty
 - When any physical or psychological harm is temporary
 - When subjects are debriefed and the research procedures are made available for public review

Treating participants with respect and dignity

- the "subjects" versus "participants" controversy.
- avoid "isms" in research; sexism, racism, ethnocentrism, ageism, etc.
- Ethical concerns involved when withholding treatment from control groups

Ethics are a set of guidelines that should be followed by psychologists carrying out research. They are provided by the American Psychological Association (APA) which oversees the work of psychologists.

Ethics are not simply a question of right or wrong.

⑦ Giving advice

Psychological advice must only be given if the psychologist is qualified in the area that the advice is requested in.

⑥ Right to withdraw

Participants should be aware of their right to withdraw from the investigation at any time. This may be done retrospectively by revoking permission for their data to be used.

① Informed consent

Participants should give informed consent; they should be aware of the true nature of the study. In studies involving children, informed parental consent should be obtained. Payment should never be used to induce risk taking behaviour.



⑤ Confidentiality

The source of all information should remain confidential. Participants should be informed as early as possible if confidentiality cannot be guaranteed.

② Deception

Intentional deception over the purpose of the investigation should be avoided when possible. There must be strong medical or scientific justification for any deception.

③ Debriefing

Participants should be fully debriefed. Their experiences should be discussed to assess any negative effects. Debriefing should be in the form of active intervention before leaving the research facility.

④ Protection from harm

Participants should be protected from emotional and physical harm. They should be asked about any factors which may create risk; i.e. medical conditions - any risk should be no more than could be expected in the course of daily lifestyle.