

Human Emotion

Psychology 3131
Professor June Gruber



Human Emotion

Gender and Emotion

Are men and women from different emotional planets?

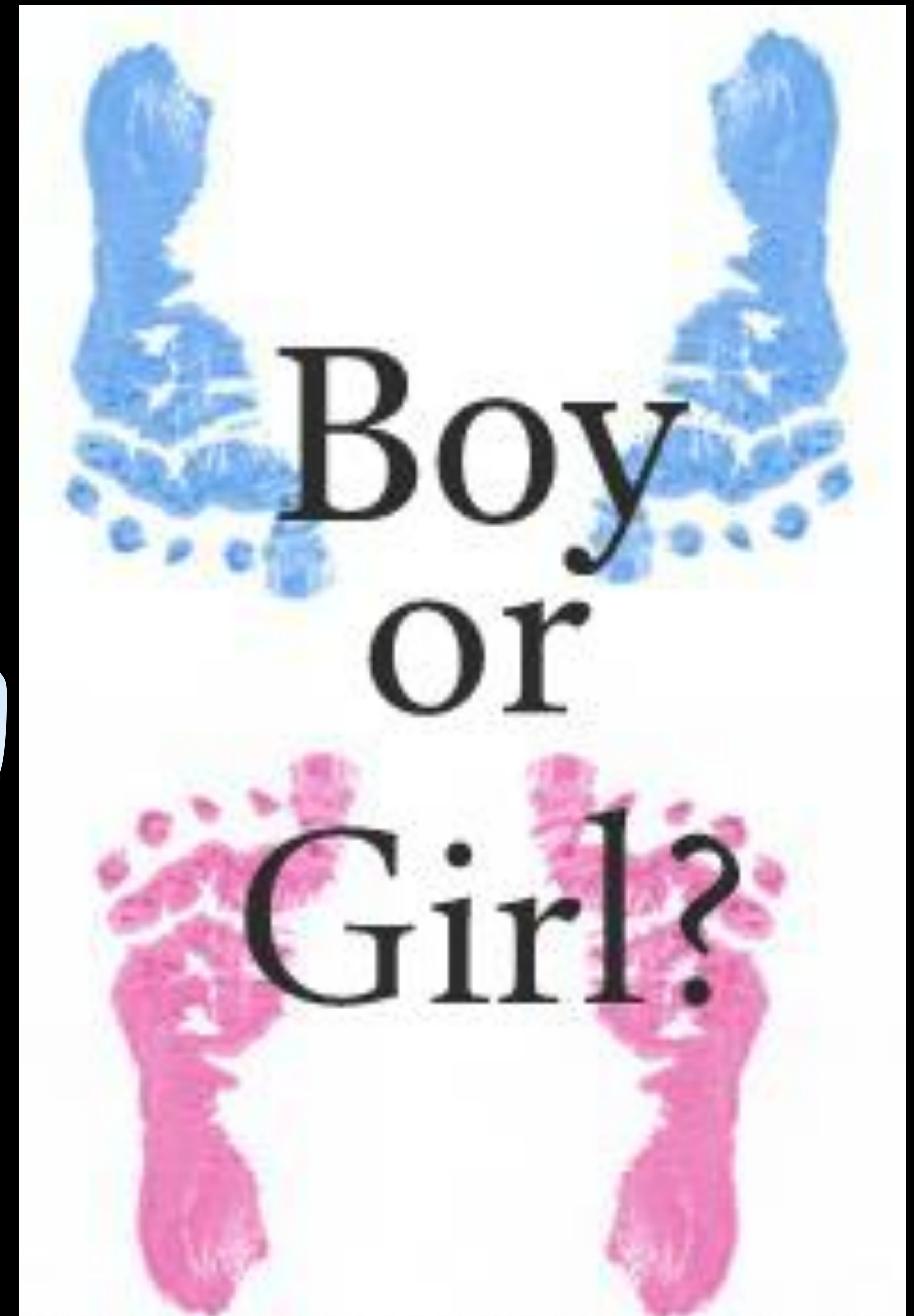


Human Emotion

Love and Sex

What's love got to do with it?







Are men and women
really that different?

Roadmap

Course Logistics

Gender: Socialization of Emotion?

Love

Desire

Take-Away Qs & Expert Interview

Course Logistics

Exam 1 - Questions?

Review Sheet, Review Opportunities, Special Accommodations

Roadmap

Course Logistics

Gender: Socialization of Emotion?

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Take-Away Qs & Expert Interview

Socialization of Emotion

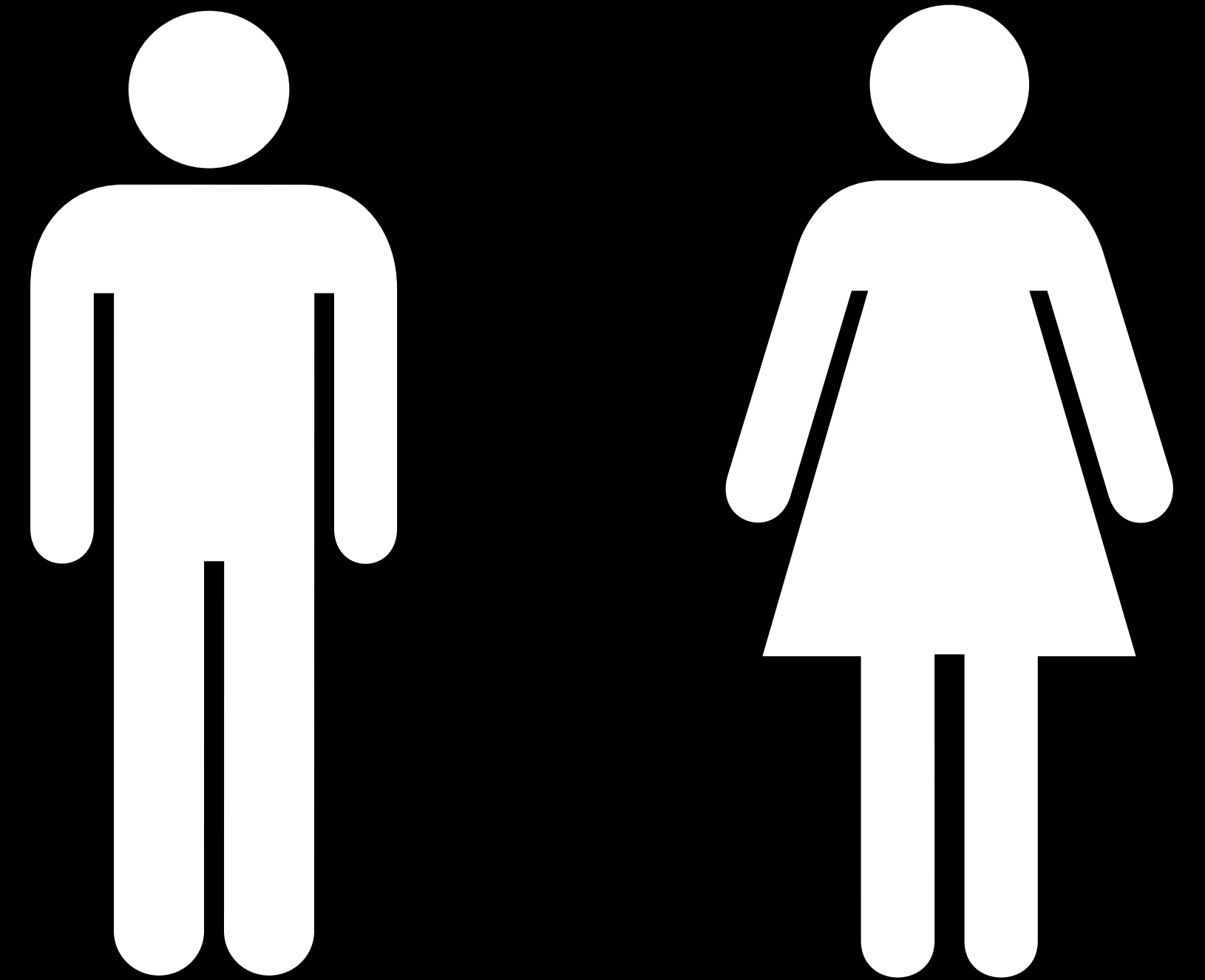
“Patterns of behavior taught to children and adults in order to help them learn to behave as acceptable females or males. It begins at birth via naming, clothing, and treatment of the infant, and it continues to be taught and reinforced throughout life within most social institutions.”

Disch, 1997

Socialization of Emotion

Example 1

Gender stereotypes



Gender Stereotypes

Condy & Condry

Studied infants being startled (**acoustic startle**) in response to a jack-in-the-box

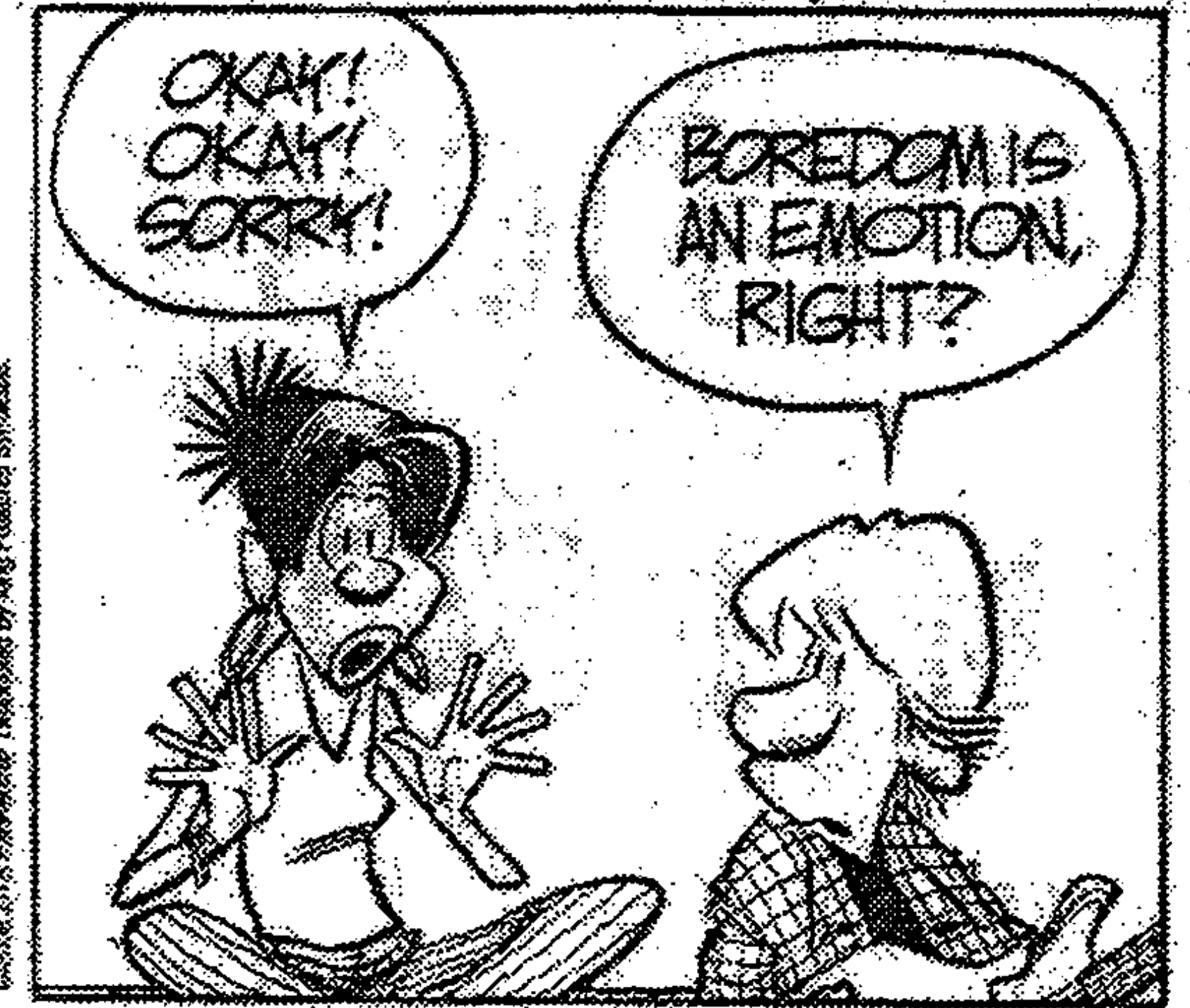
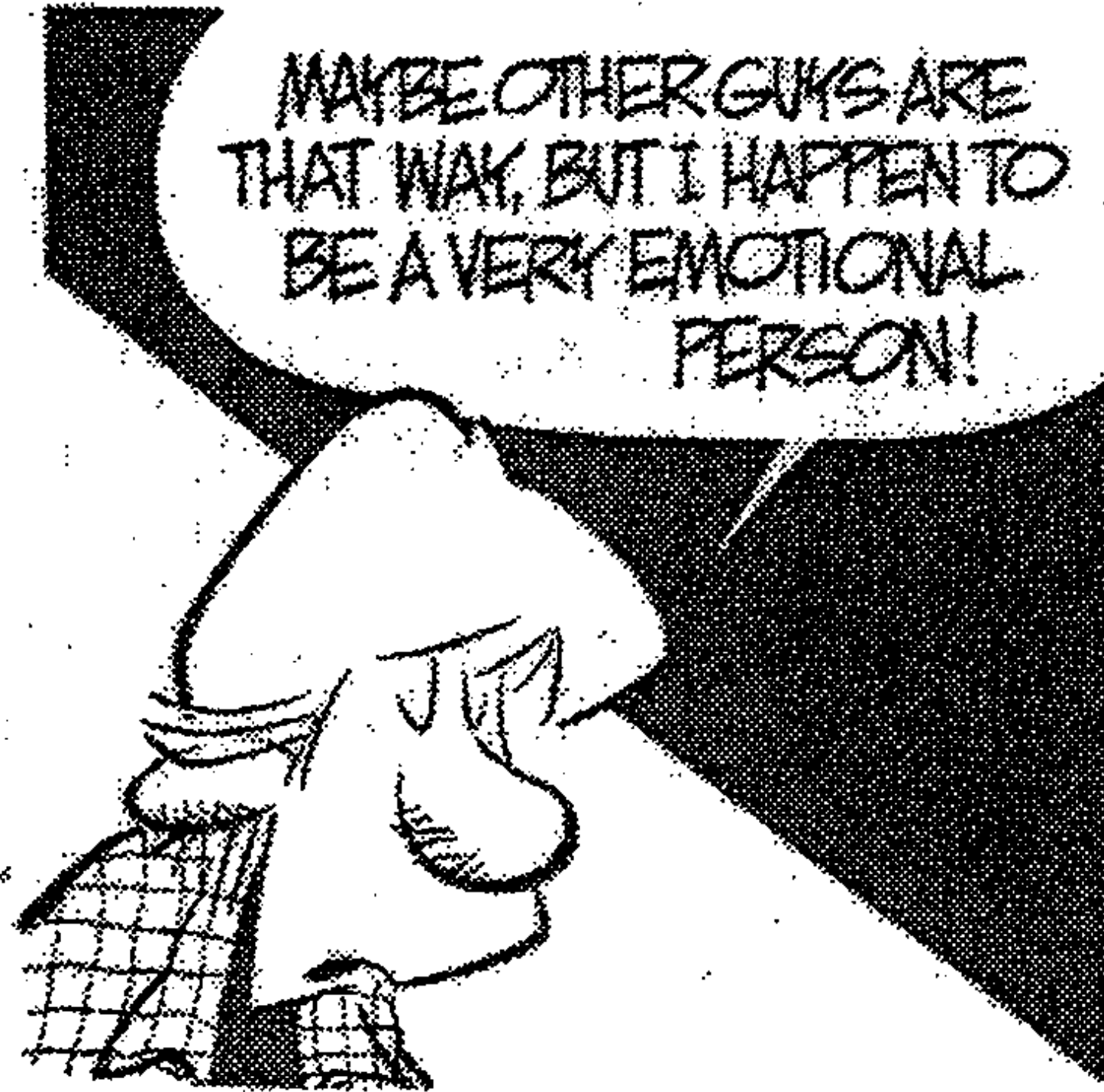
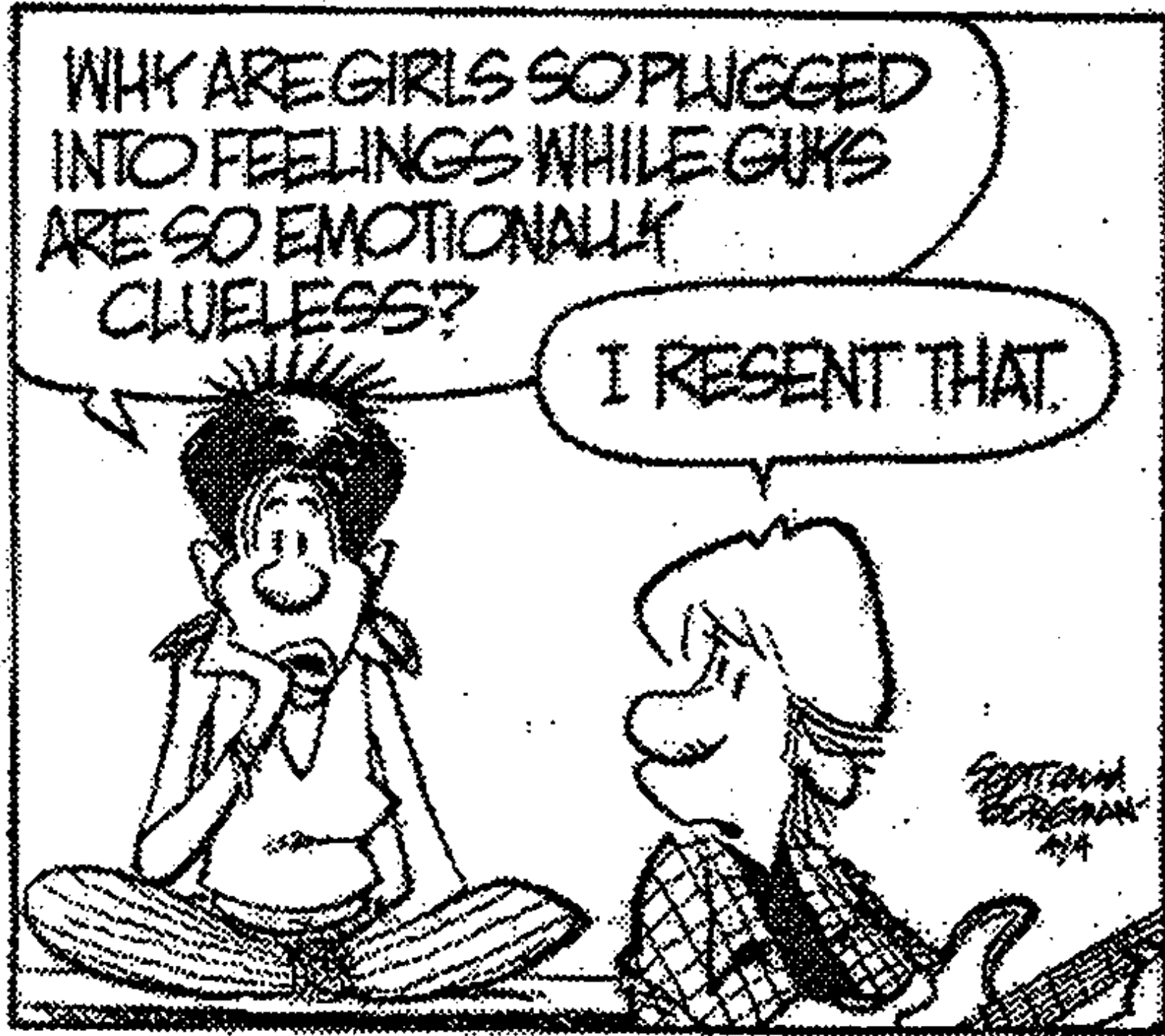
Parents were asked to rate emotions of the infant

Girls: rated as more *fearful*

Boys: rated as more *angry*



ZITS



**MEN ARE
FROM MARS,
Women Are
from Venus**

A Practical Guide for
Improving Communication and
Getting What You Want in Your Relationships

JOHN GRAY, Ph.D.

Katherine
HEIGL



Gerard
BUTLER



the **ugly** truth

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Socialization of Emotion

Example 2

Early conversations between
children and parents

Early Conversations

- Fivush studied conversations between moms and children about important emotional event.
- Mothers talk differently to sons vs. daughters

Sons: mothers talk about anger (1 emotion)

Daughters: share rich emotional vocabulary of many different emotional states



Socialization of Emotion

Example 3

Child-rearing manuals

Example

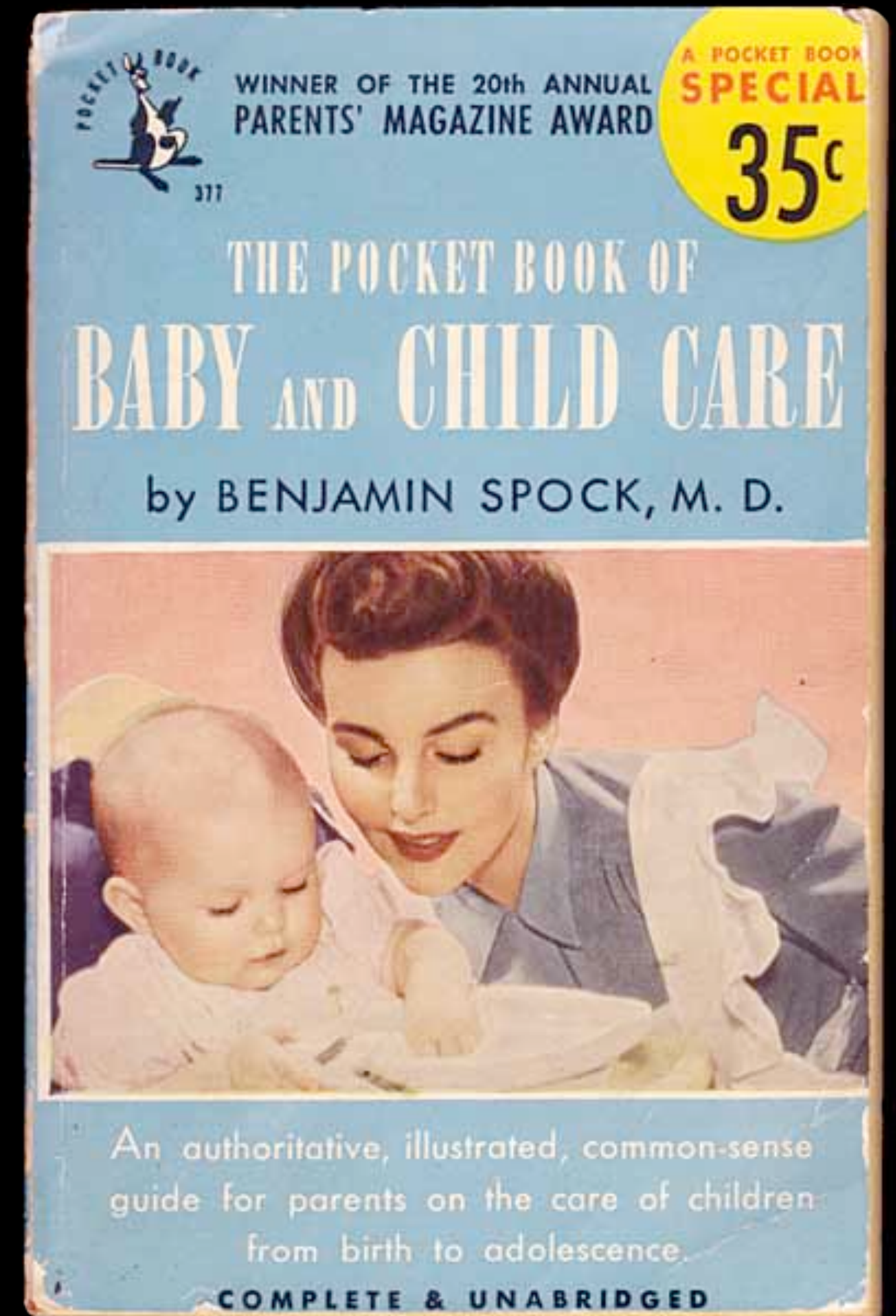
Dr. Spock's Book

Girls

Encourage girls to cry & be emotional

Boys

Encourage anger and “out of control” behavior



Socialization of Emotion

Experimental Findings



Mahzarin Banaji
Harvard

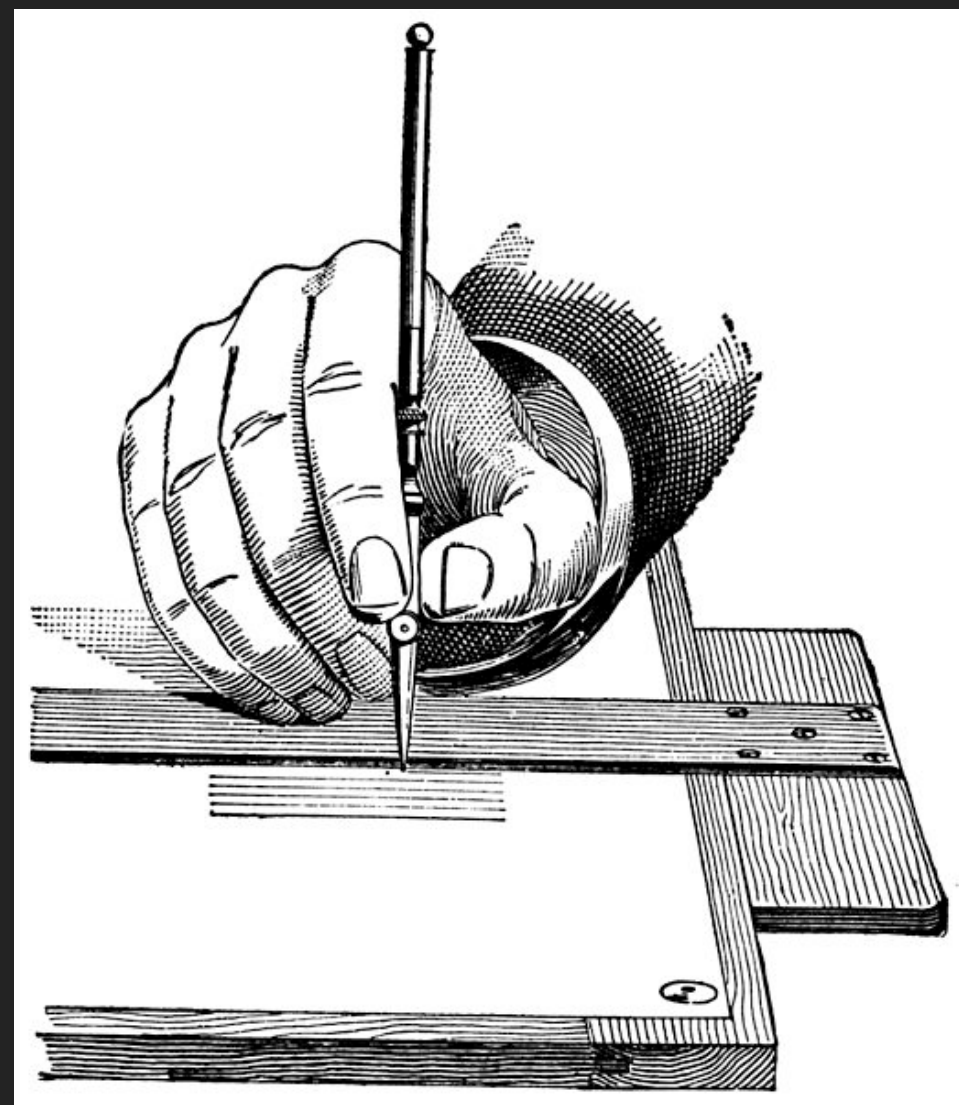


Marianne LaFrance
Yale



Ann Kring
UC Berkeley

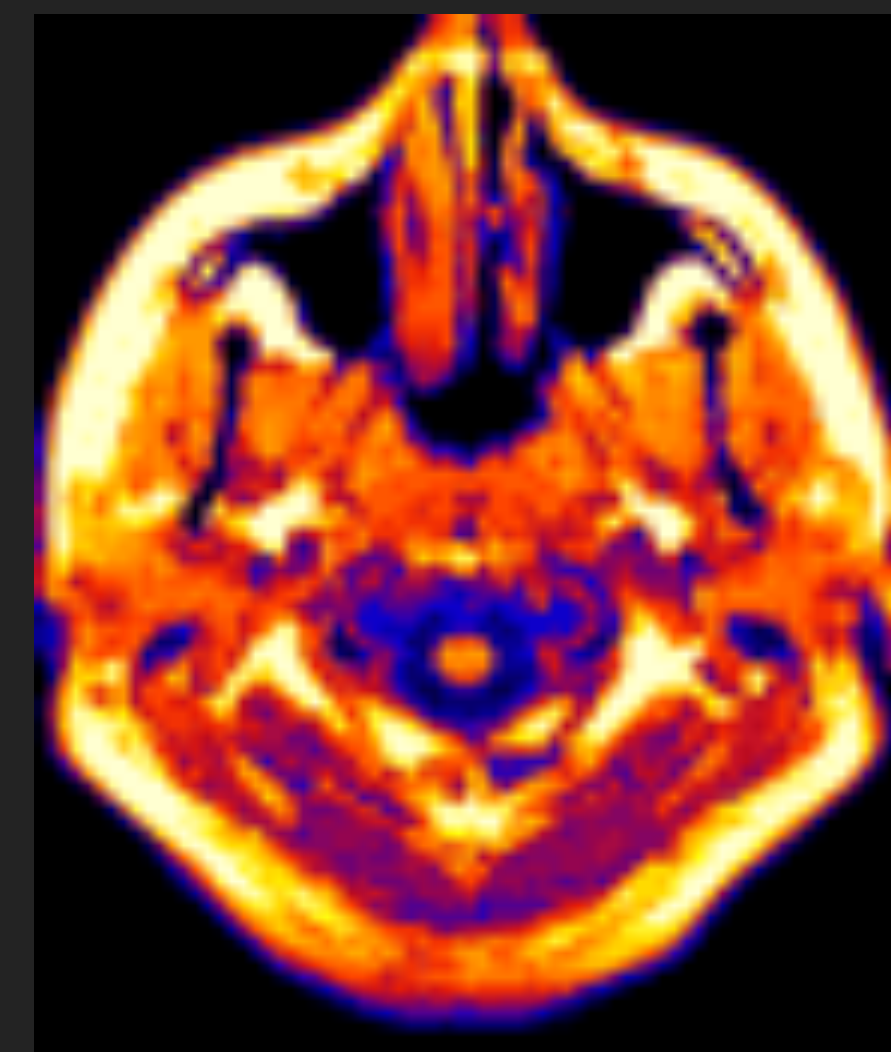
Multi-Component Response



SUBJECTIVE



BEHAVIORAL



PHYSIOLOGICAL



Subjective

✓ Yes, in some cases, women show increased subjective reports

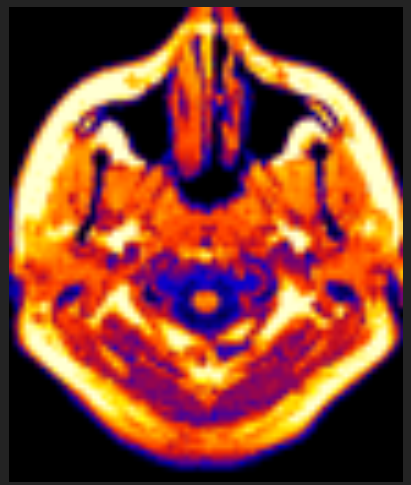
GENDER DIFFERENCE	NO DIFFERENCE
Public Display ("People can tell what I'm feeling")	Private Experience ("I feel sad often")
Interpersonal (Being with another person)	Intrapersonal ("Being alone")
Global (How feeling generally)	Specific/Discrete (Feeling happy? sad?)



Women > Men

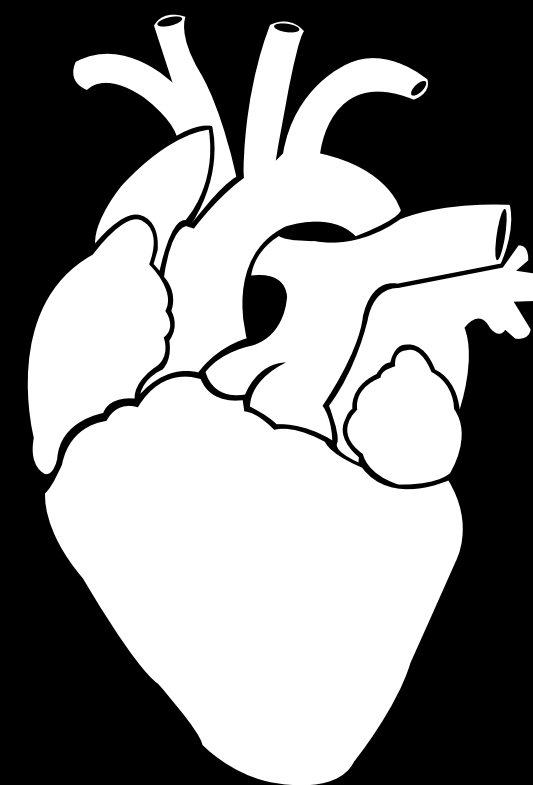
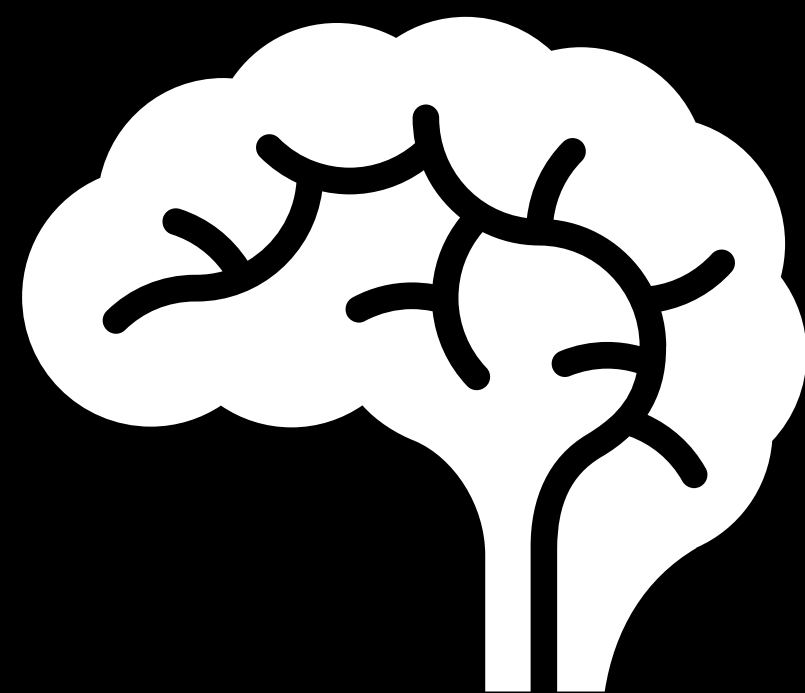
Seen across a variety of measures:
EMG, self-reported smiling & gesturing

Across variety of emotions:
Sadness, disgust, fear, surprise, happiness



No Differences

- brain** (amygdala, frontal cortex)
- autonomic physiology** (skin conductance, heart rate, cardiac vagal tone).



Summary of Gender Differences

Subjective

Women > Men, *But Only in Some Contexts*

Behavior

Women > Men

Physiology

Minor to no biological differences

Are Men vs Women Judged Differently When They Display Emotion?





- Male and female targets expressed anger or sadness in job interview viewed by participants

- Outcome Measures:

(1) Status conferral

(2) Deserved salary

(3) Perceived competence

Judging Angry Males Versus Females

- Angry men were conferred higher status than sad men
- Angry female professionals were conferred lower status than angry male professionals.
- Sad female professionals conferred higher status than angry female professionals.



Judging Angry Males Versus Females

Males are conferred more status
for expressing **anger**

Females are conferred more
status for expressing **sadness**.



Roadmap

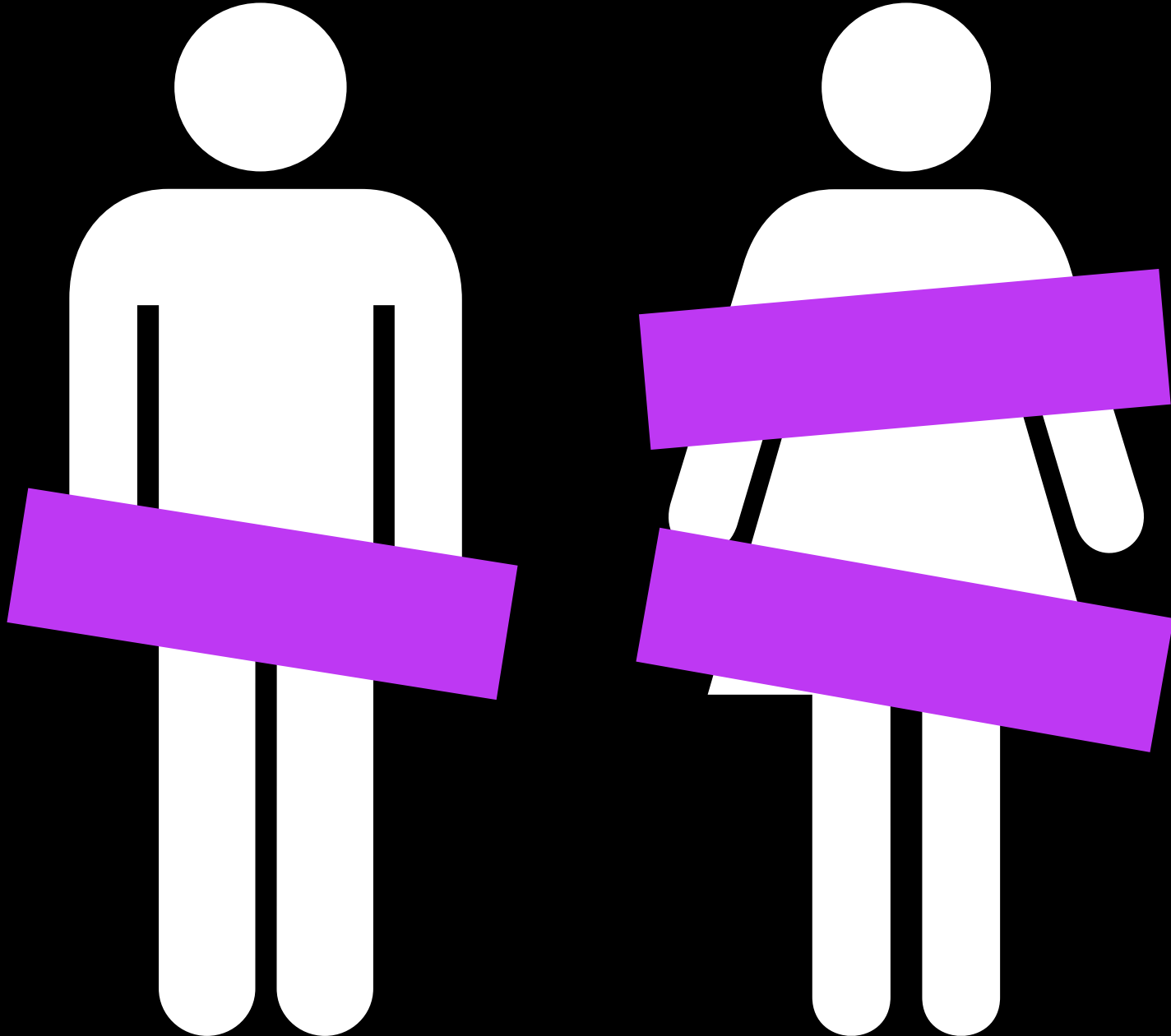
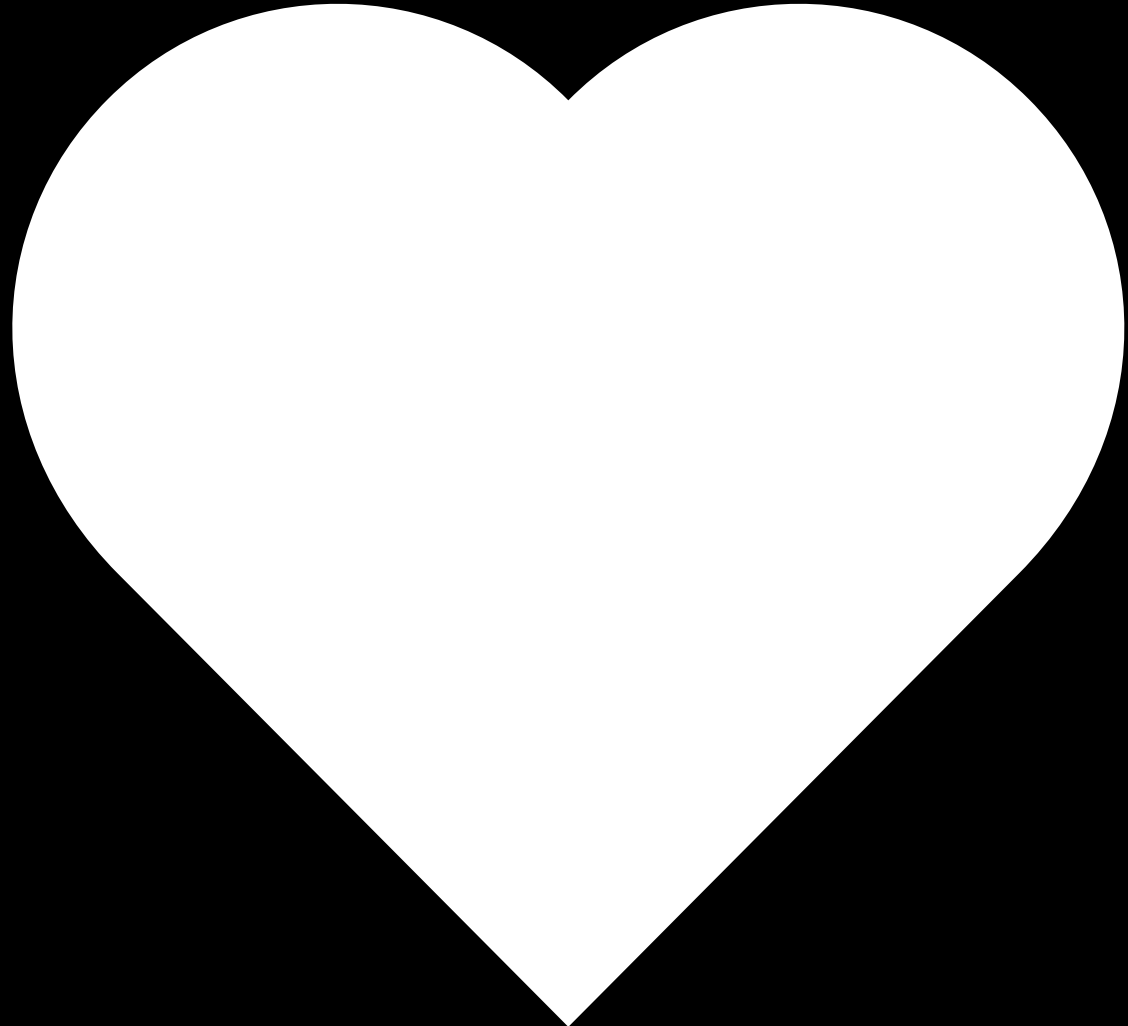
Course Logistics

Gender: Socialization of Emotion?

Love

Desire

Take-Away Qs & Expert Interview



Romantic Love

Pair Bonding, Long-term Commitment
Mutual Goals (e.g., Offspring)

Release Oxytocin (“Love Hormone”)

Head Tilt, Smile, Make Eye Contact

Displays of Love



Images Courtesy of Dacher Keltner

Sternberg's Theory of Love

Intimacy

Feeling of closeness, connectedness, bonding. Share information with this person you don't share with other people.


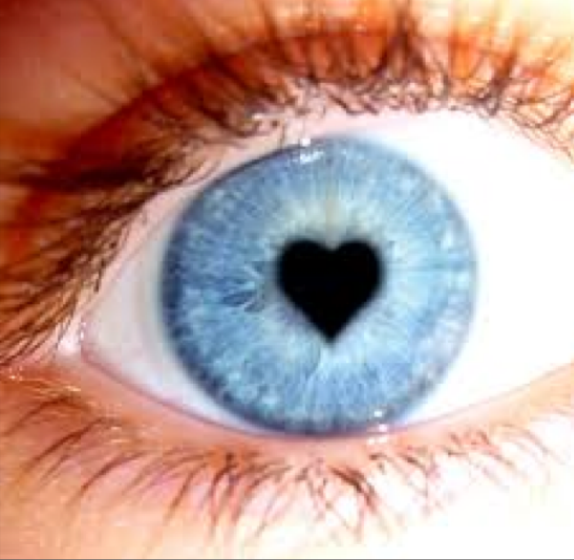

Passion

Physical attraction, desire, sex.





Commitment

The decision that one is in a love relationship, willingness to label as a relationship, commitment to maintain relationship over time.

What if Missing All 3 Components?

Non-Love	None of the 3 components, don't have love.	
Liking	Intimacy only (no passion or commitment), Casual friendships.	
Infatuation	Passionate (no intimacy or commitment), Love at first sight.	
Empty Love	Commitment (no intimacy or passion), Final stage of long-term relationships that have gone bad (e.g., "better stay together for the kids or appearances sake"). Often 1 st stage of relationship in arranged marriages, which do not have higher rate of ending in divorce.	

What if Missing All 3 Components?

Romantic Love	No commitment, but intimacy and passion. Example: Romeo & Juliet.	
Companionate Love	Intimacy and commitment, but no passion. Example: best friend.	
Fatuous Love	No intimacy, but passion and commitment. Only committed to each other for sex. Example: Whirlwind courtship, Hollywood romance (e.g., Britney Spears).	
Consummate Love	All 3 components of love.	



Evolution, Emotion, and Reason: Love
Guest Lecture by Peter Salovey, Open Yale Courses (Prof. Paul Bloom)
<http://www.youtube.com/watch?v=kZoBgX8rScg>

Yale University

Roadmap

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Romantic Love

Sexual Desire

“Commitment Role”

“Initiation Role”

Pair Bonding
Long-term commitment
Mutual goals (e.g., offspring)

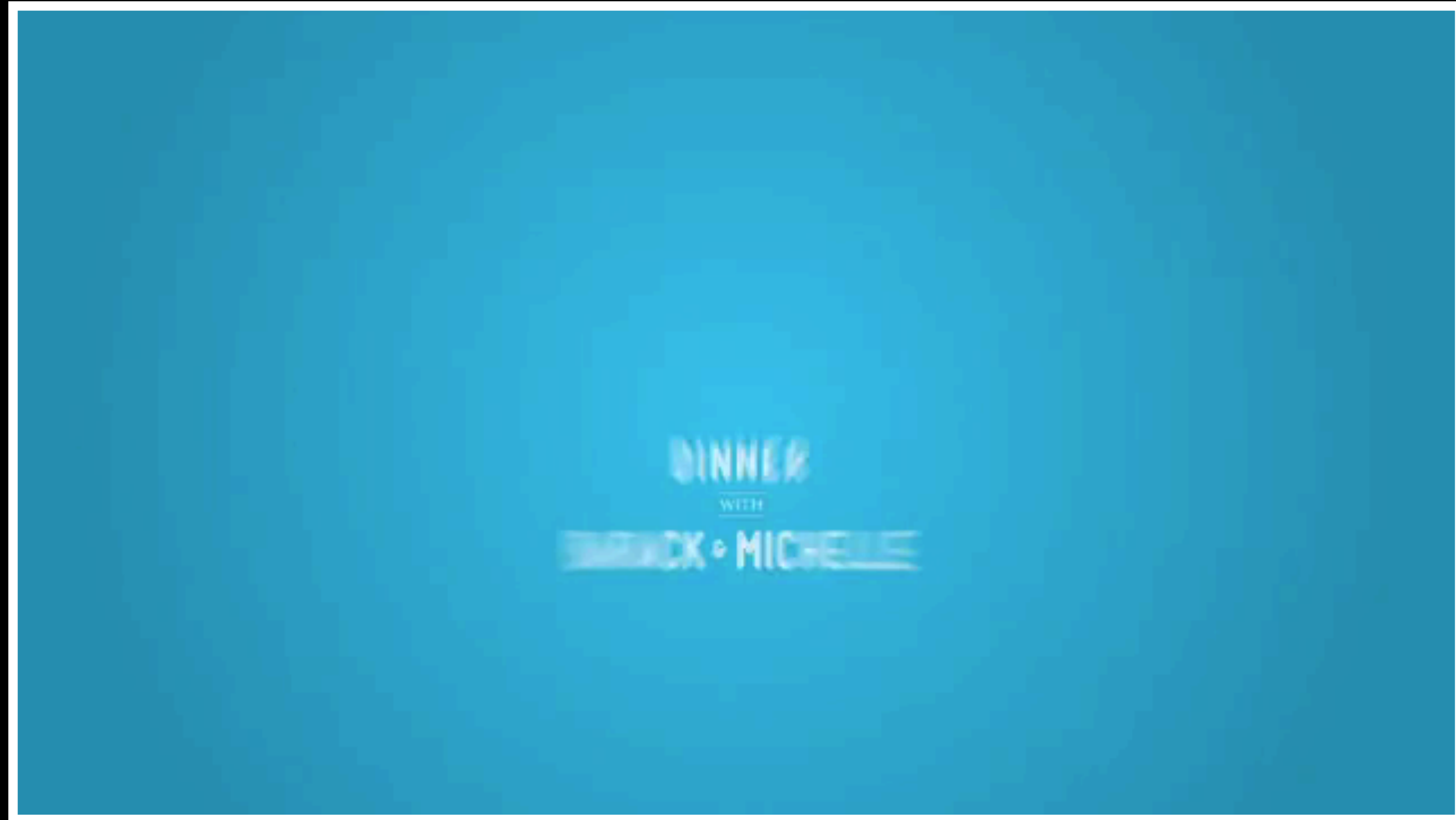
Sexual Behavior
Proximity Seeking
Contact

Release oxytocin
 (“love hormone”)

Release gonadal estrogen & androgen
 (“sexual hormones”)

Head tilt, smile, make eye contact

Lip pucker, lip licks, head turned away,
eye contact for 1-2 ms, coy smile



Barack and Michelle Obama Discuss First Date

<http://www.youtube.com/watch?v=1QdQ285QRLY>

Displays of Love



Images Courtesy of Dacher Keltner

Displays of Desire



Images Courtesy of Dacher Keltner

Sexual Attraction

Group One: Big 3

Proximity

Similarity

Familiarity

Sexual Attraction

Group Two: Remaining 4

Competence

Attractiveness

Gain Loss

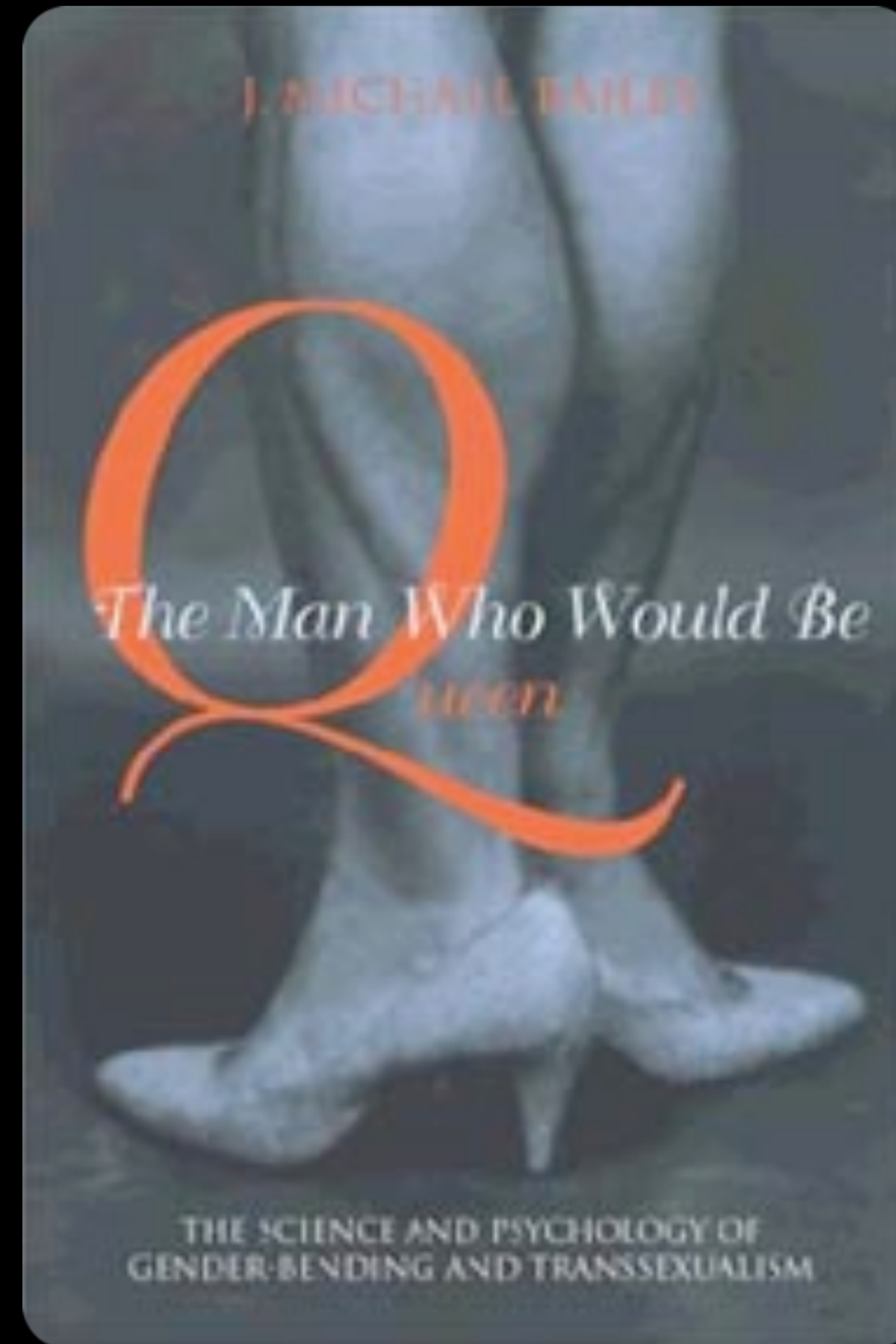
Misattribution



Sexual Arousal



Michael Bailey
Northwestern University



Sexual Arousal

Example 1

Subjective ratings
(i.e., self-reported arousal)

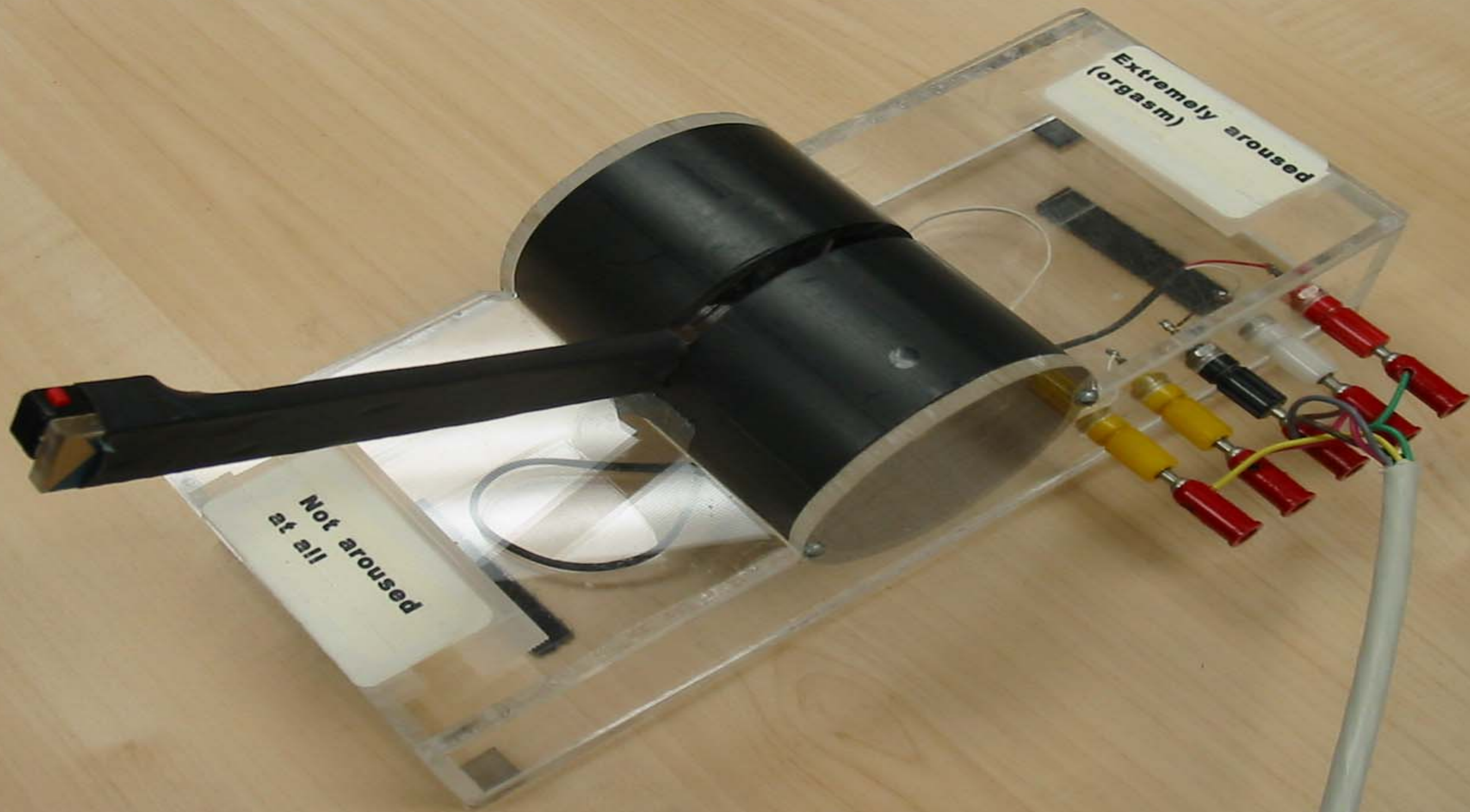


Image Courtesy of Michael Bailey

Sexual Arousal

Example 2

Genital Arousal

Female: Vaginal plethysmograph, measure amplitude of blood flow to vagina

Male: Penile plethysmograph, measure circumference of penis as function of blood flow



Image Courtesy of Michael Bailey

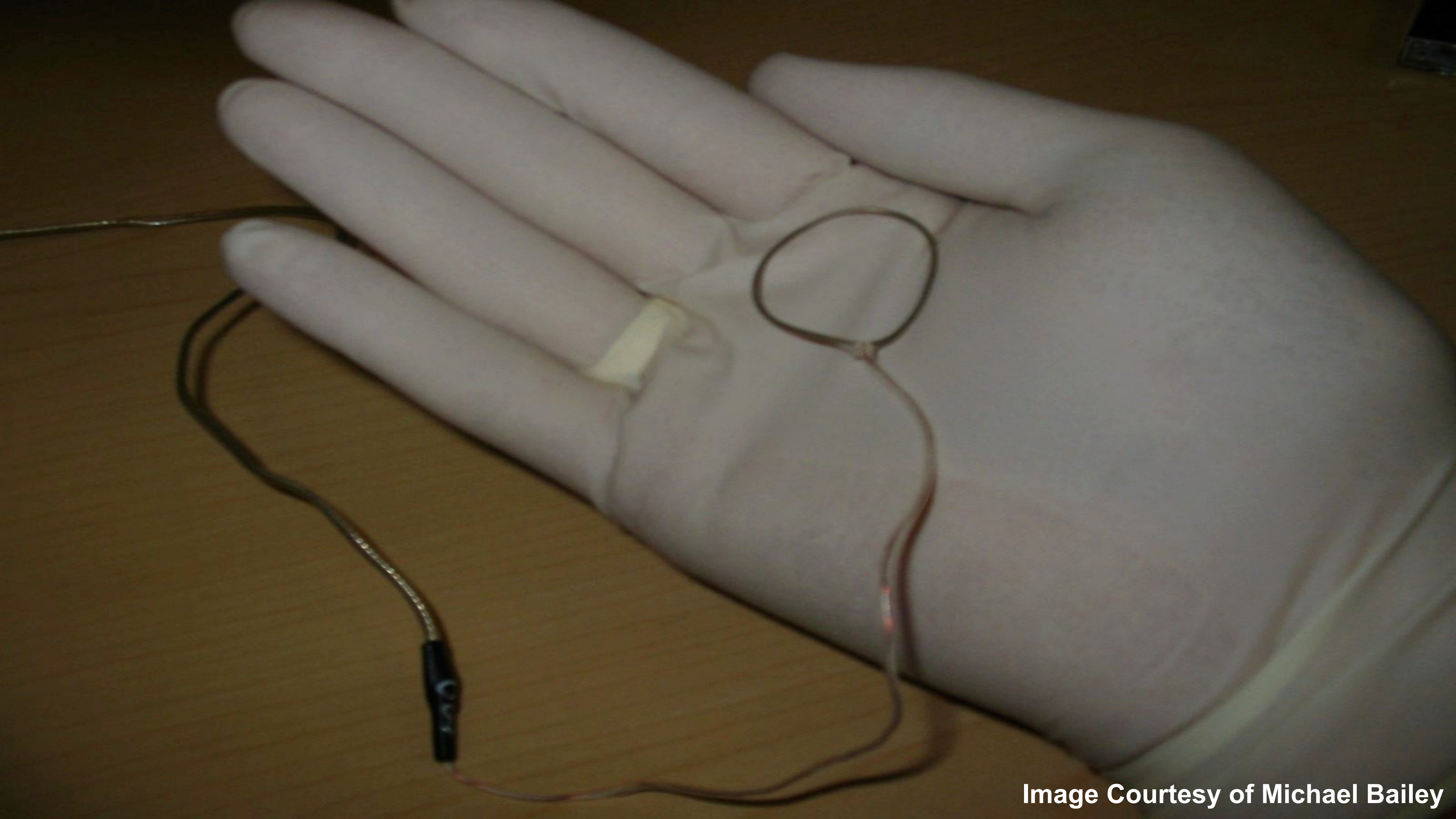


Image Courtesy of Michael Bailey

Study of Sexual Arousal



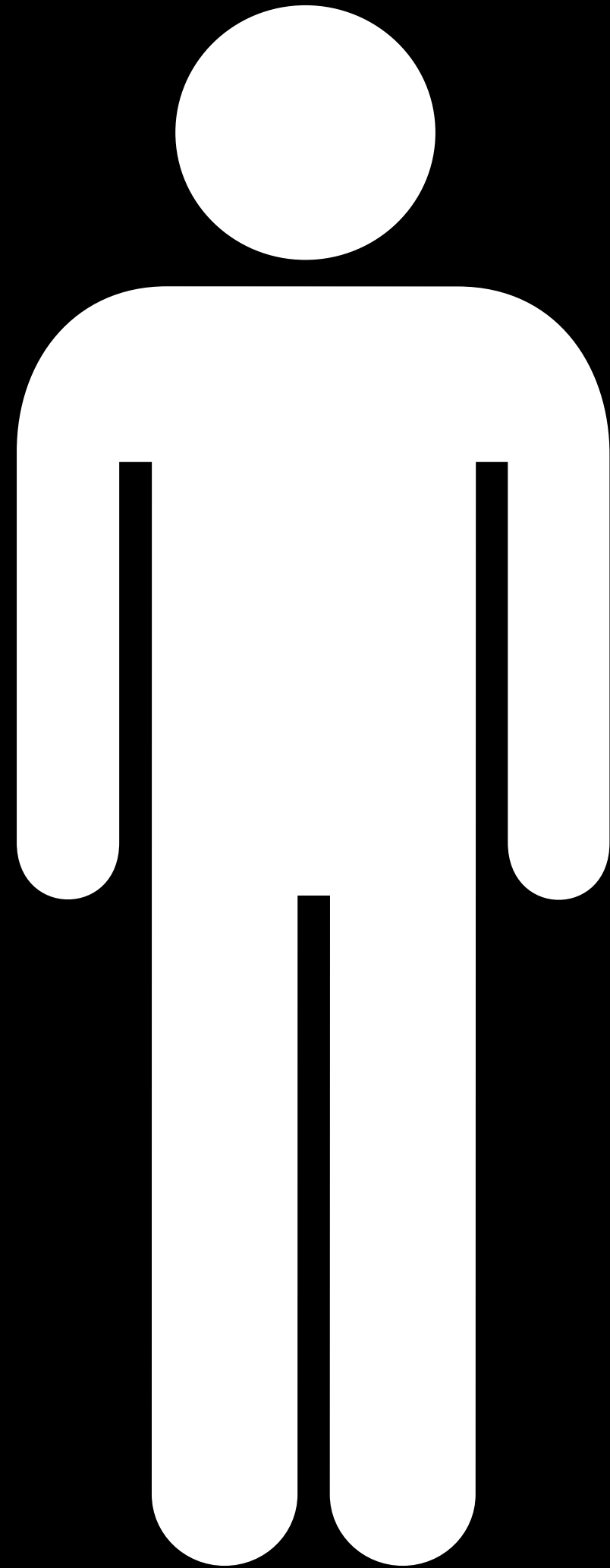
Participants
Male, Female,
Heterosexual
Homosexual

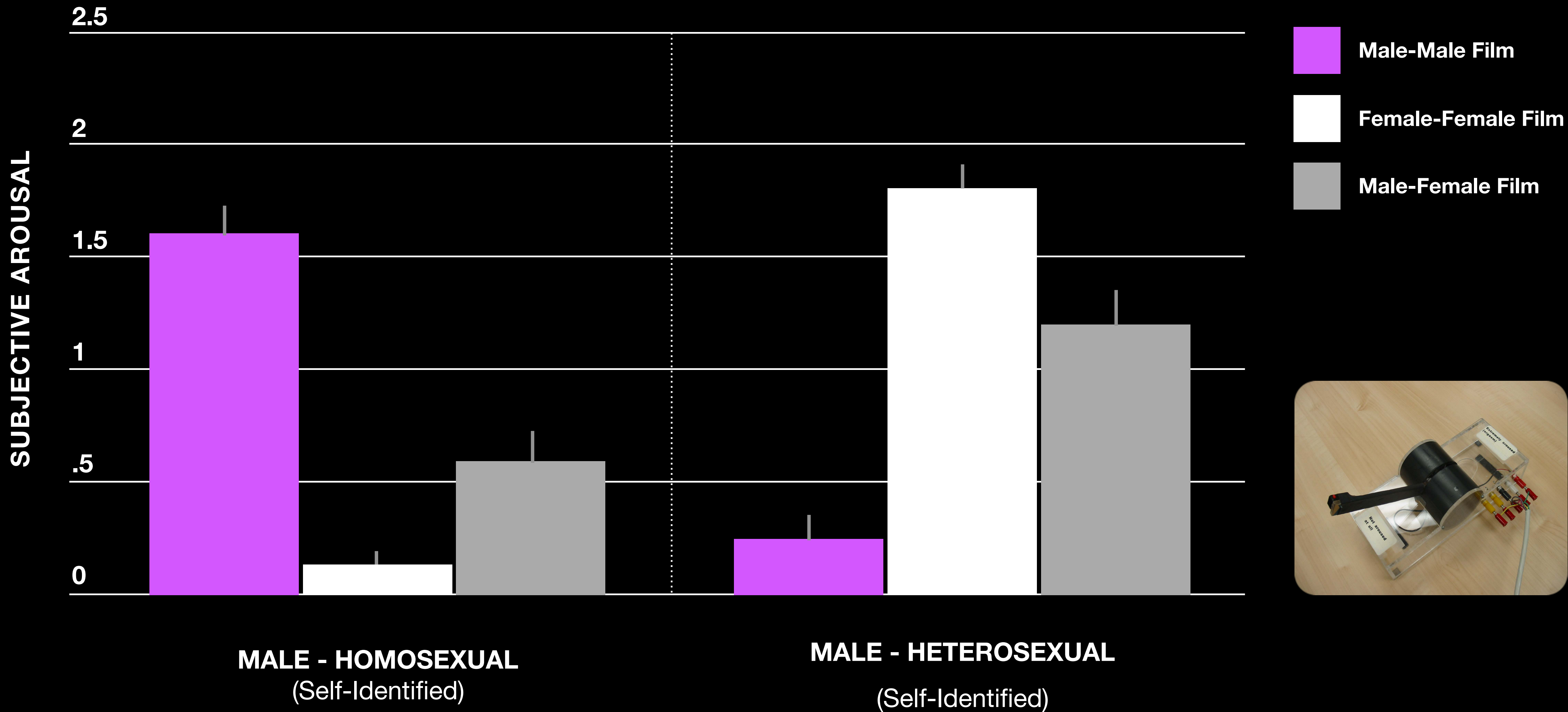
Stimuli
N
H
O

Stimuli
H
P
G
O




Stimuli
G
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O

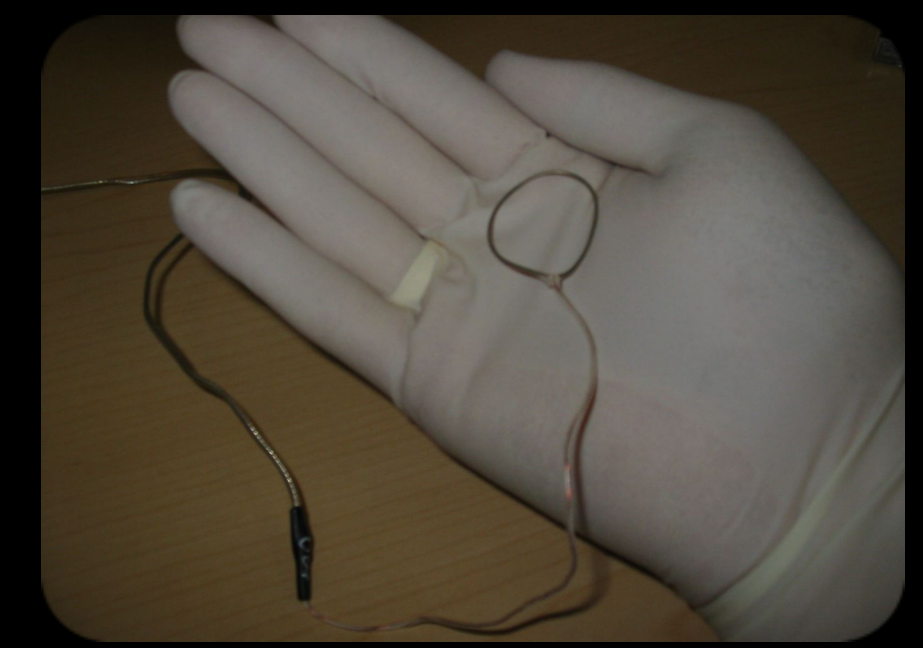
Stimuli
Lesbian
Penetrative







-  Male-Male Film
-  Female-Female Film
-  Male-Female Film

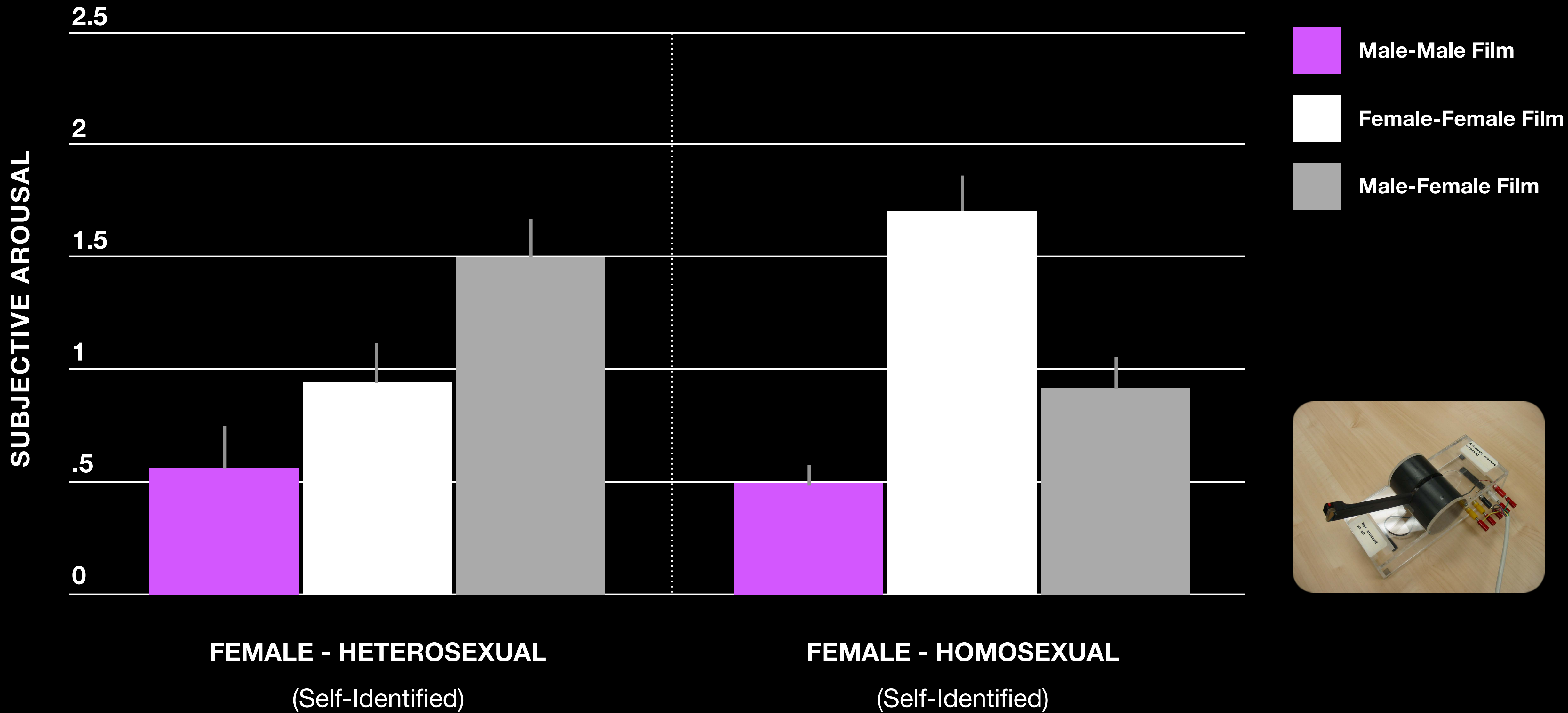


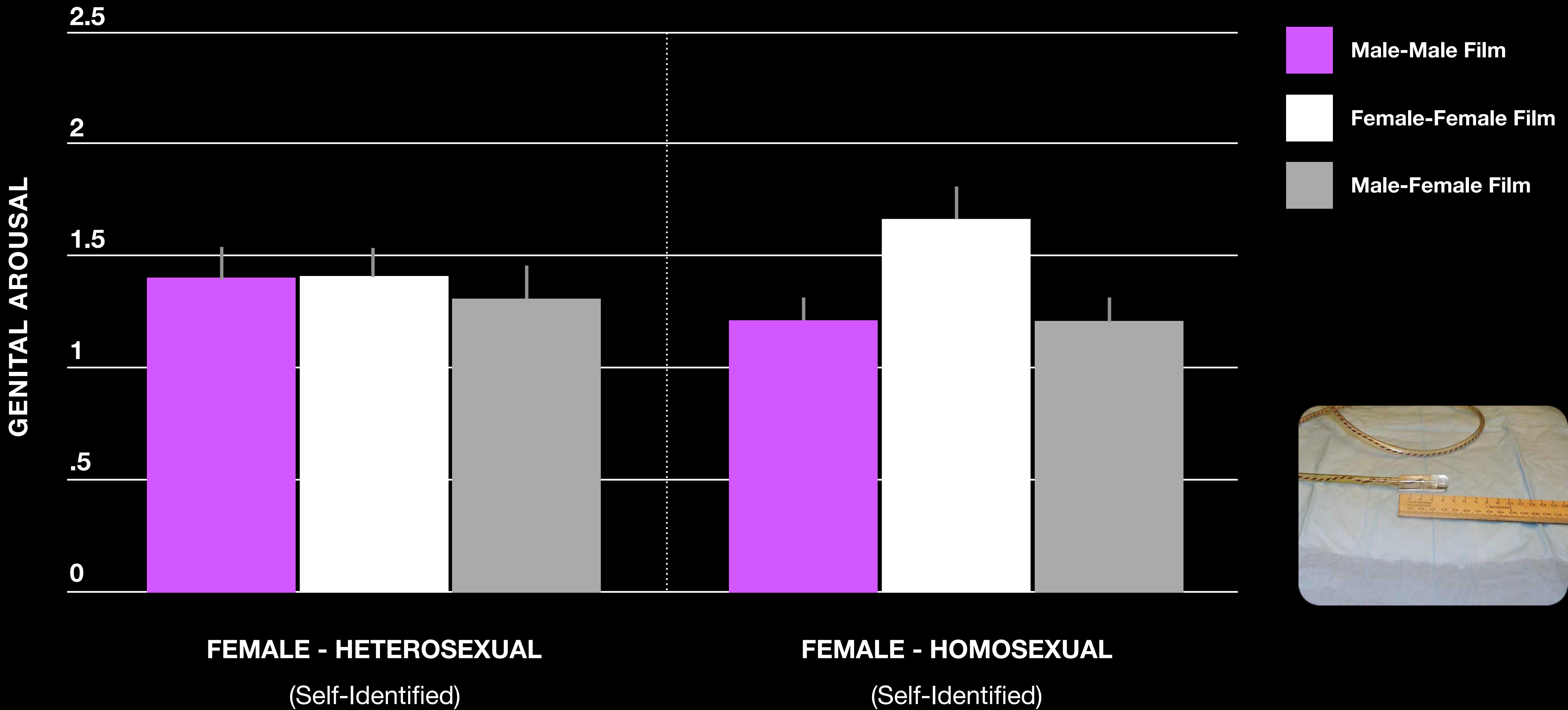
Male Sexual Arousal is “Category Specific”

Heterosexual Male → **Heterosexual Stimuli**

Homosexual Male → **Homosexual Stimuli**







Male Sexual Arousal is “Category Specific”

Heterosexual Male → Heterosexual Stimuli

Homosexual Male → Homosexual Stimuli

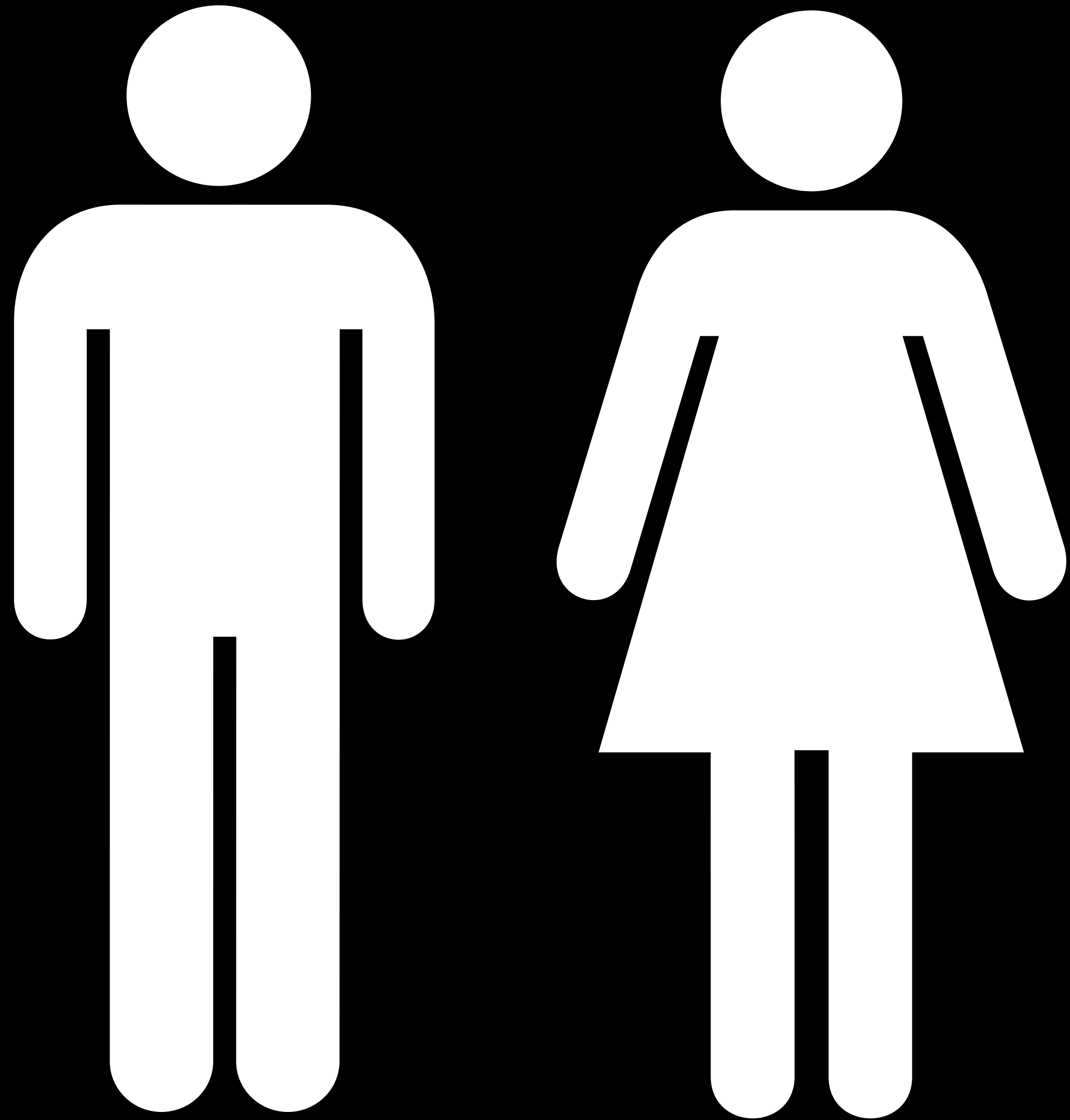
Female Sexual Arousal (Physiological) is Not Category Specific

More of a “bisexual” pattern?

Heterosexual Female → All Stimuli

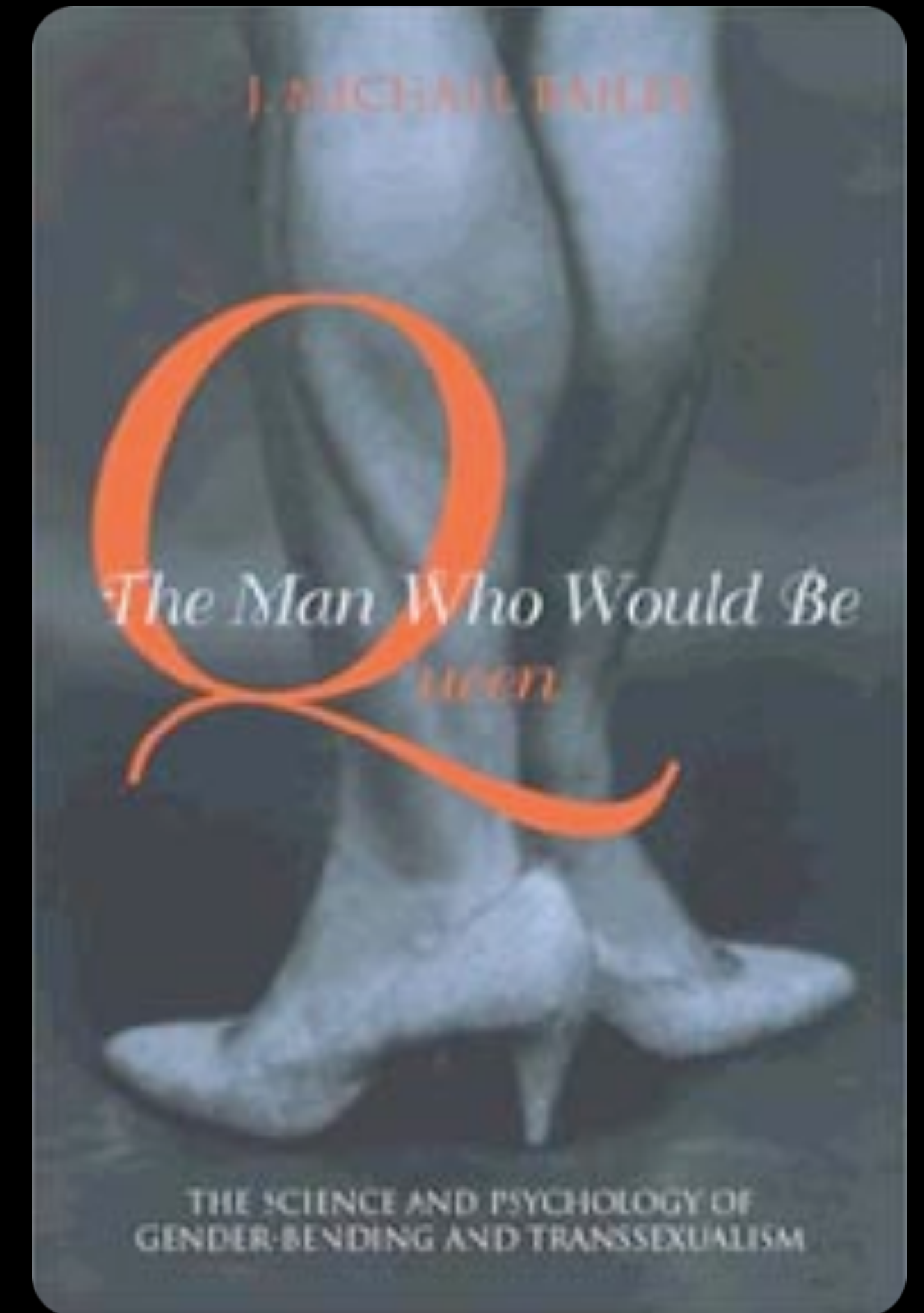
Homosexual Female → All Stimuli (esp. female)

**What does
this all mean?**



Transgender (Male-to-Female)

Bisexual (Men)



J. Michael Bailey, Professor

Department of Psychology, Northwestern University



Home

Research

Teaching

My Book

Personal Info

My Lab

Research

Response to the Washington Times Article on My Research on Female Sexual Arousal

On December 23, 2002, the Washington Times ran an [article](#) on my research program, entitled "FEDERALLY FUNDED STUDY MEASURES PORN AROUSAL."

The article, by Robert Stacy McCain, characterized the research as follows:

"A federally funded study has paid women as much as \$75 to watch pornographic videos to determine 'what types of audiovisual erotica women find sexually arousing.'"

The piece went on to give very partial and mostly incomprehensible information about the scientific background of the study, obtained from the abstract from my grant on the NIH grants database. Numerous politically conservative outlets (including the Rush Limbaugh Show and CNN's Hardball) attacked my research as an example of liberals wasting taxpayers' dollars.

The Washington Times article was grossly misleading and made the research sound prurient and trivial. Here, I attempt to give sufficient background to allow an evaluation of the scientific merits of the research. I am constrained a bit, because we have a paper submitted to a scientific journal, and thus I cannot yet share results of the research with the public.

The research aims to study the association between sexual arousal patterns and sexual orientation in women and men. It has been known for years that men's sexual arousal patterns closely track their sexual orientations. Gay men get far more aroused by male sexual stimuli (typically erotic

Roadmap

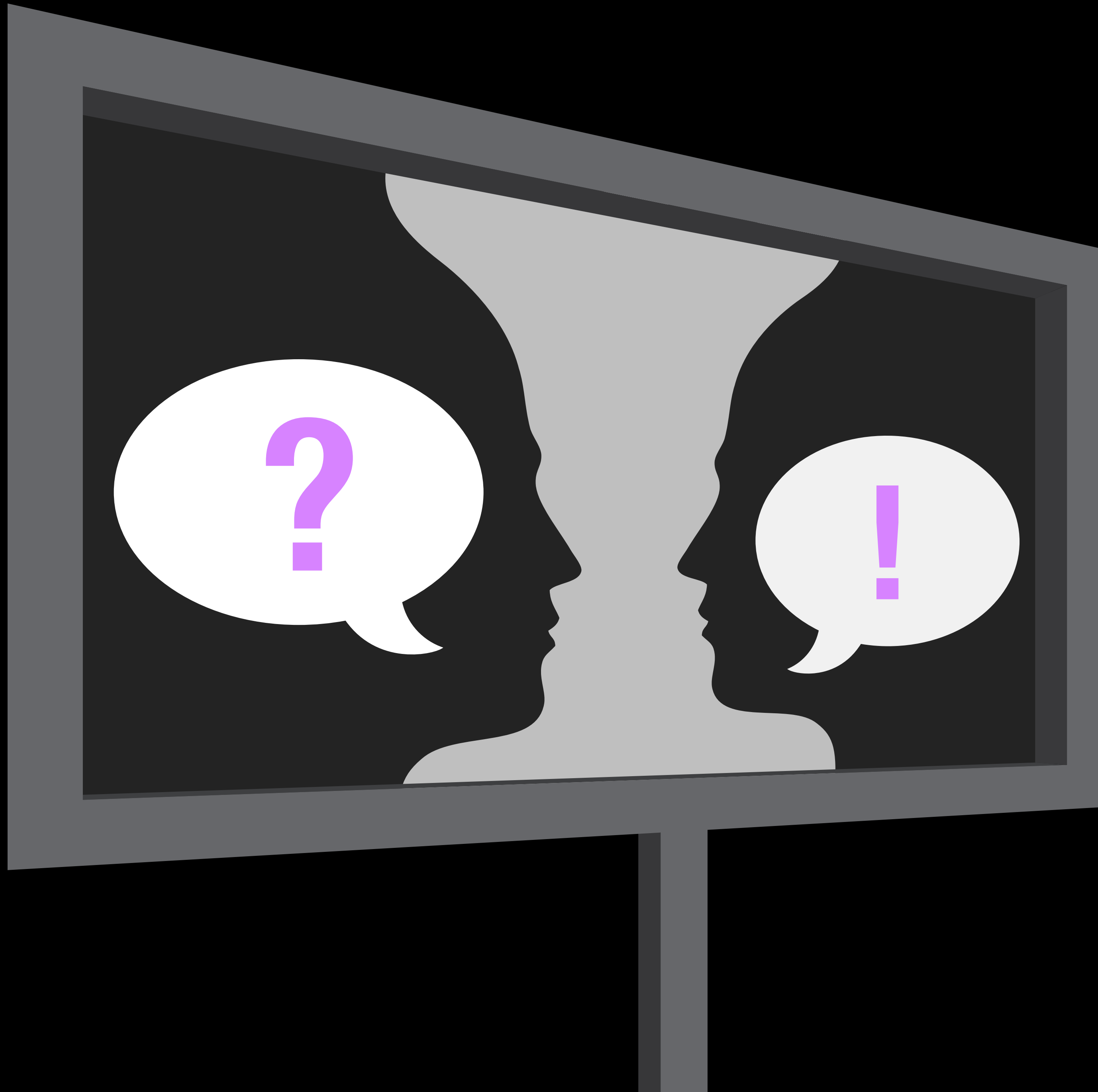
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Experts In Emotion

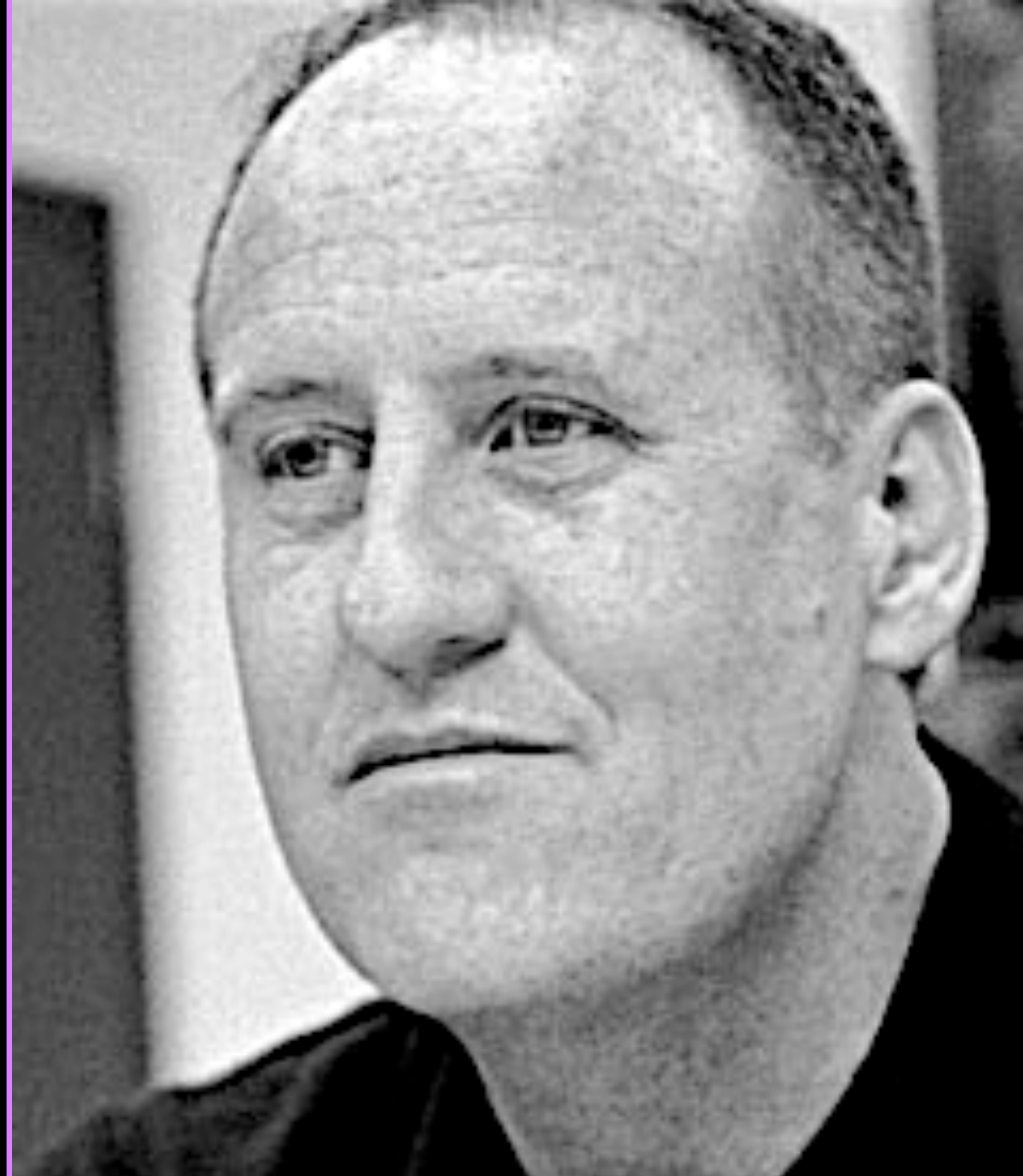
***EXTRA CREDIT
OPPORTUNITY***

Experts In Emotion Interview

Dr. Michael Bailey

Professor of Psychology
Northwestern University

Sex and Emotion



Experts In Emotion Interview

Dr. Marianne La France

Professor of Psychology
Professor of Women & Gender Studies
Yale University

Emotion and Gender



Thank You!

Psychology 3131
Professor June Gruber

