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ABSTRACT
          Previous research has established the existence of a
differential in self-esteem between males and females. This
difference is explained in terms of socialization experiences which
favor the masculine role. On this basis, it was predicted that male
subjects would display higher self-esteem than females in a simulated
society game in which subjective evaluations were made of perceived
worth. The results provided support for this prediction, which
remained in effect when controls were introduced for age, health,
race, religiosity, and marital status. However, skill attainment
proved to be an important intervening variable; females possessing
certain instrumental skills were as likely as males to display high
self-esteem. The discussion suggests that skill attainment may be an
important aspect of socialization accounting for gender differences
in self-esteem. References and tables are included. (Author)

THE INFLUENCE OF GENDER DIFFERENCE ON PERCEPTIONS

OF SELF-ESTEEM: AN UNOBTRUSIVE MEASURE*

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THE INFLUENCE OF GENDER DIFFERENCE ON PERCEPTIONS
OF SELF-ESTEEM: AN UNOBTRUSIVE MEASURE

Self-esteem, found at the core of many social psychologi-
cal issues, involves a subjective evaluation of who people
think they are and their perceived possession of unique attri-
butes. Recent research has firmly established that, in gen-
eral, men in our society enjoy higher degrees of self-esteem
than do women.

McKee and Sheriffs (1957) were among the first to note
this difference through systematic research in their work
involving self-descriptions; consistently, women provided
less favorable descriptions of themselves than did men on
personality inventories. More recent research has expanded
this early finding by discovering that women tend to devalue
their abilities and skills relative to men. Both Feather
(1969) and Crandell (1969) report research indicating that
men are more likely than women to display higher expectancies
of success on a variety of tasks involving both manual and
intellectual skills. Other researchers reinforce this find-
ing with results indicating that women have a tendency to
attribute success in task performance to external variables
(most often, luck) while men tend to indicate internal vari-
ables (skills and effort) as reasons for their success. Con-
versely, women tend to offer lack of skill or ability as
reasons for failure, while men rationalize failure as the
result of lack of effort or bad luck [cf. Deaux and Emswiller

(1974); Deaux and Farris (1974); Bar-tal and Frieze (1973)].

Several writers account for this self-esteem differential in terms of sex role socialization. In general, men are socialized into a role set enjoying a higher societal evaluation than that of women [cf. Tarvis and Offir (1977): 187-95; Chafetz (1974):35-56]. Komarovsky (1946) noted quite early that, given societal expectations, women are often forced to conform to a role which stresses lack of intellectual development, dependence and incompetence, even if their actual attributes are quite contradictory to this role. Current studies have demonstrated that conformity to this expected feminine role may in itself be counterproductive to the development of a positive self-evaluation. These studies find that social attributes viewed as 'masculine" are more highly favored and valued than traits generally associated as "feminine" [Rosenkrantz and Vogel (1968): Sappenfield and Harris (1975)].

Regarding specific sex role attributes, Feather and Simon (1975) find that failure is often seen as a feminine characteristic that is expected of and even approved for women. Additional research provides evidence that expectations of failure may in fact become self-fulfilling prophecies: women may come to fear and unconsciously avoid success [Horner (1970); Breedlove and Cicirelli (1974); Monahan, et.al. (1976)].

In view of the existing literature, it is hypothesized

that, given a situation in which people must evaluate their
potential worth in a crisis situation, men will be more likely
than women to have a positive evaluation of their perceived
contributions. If the hypothesis is confirmed, it is the
intention of this paper to explore the possibility that other
dimensions of socialization, beyond a favorable societal
evaluation of masculinity, might account for the difference
in self-esteem.

OPERATIONALIZATION OF SELF-ESTEEM

The concept of self-esteem has intuitive appeal, espe-
cially in the classical social psychological theories of Cooley
and Mead. However, it is a particularly difficult concept to
operationalize.

A wide gambit exists for developing measures of self-
esteem [cf. Wells and Marwell (1976): Chapter 5]. In regards
to sex roles, these measures have included self-descriptions,
personality inventories, evaluation of masculine and feminine
characteristics, and predictions of success or rationalizations
for failure at manual and intellectual tasks.

Various aspects of these measurements are incorporated
into the present operationalization of self-esteem. This study
attempts to develop an unobtrusive measure based on a simulated
society game. As a part of the game, subjects indicate whether
they possess personal qualities sufficient to justify their

survival in a crisis situation. The decision of the subjects provides a measure of self-esteem because individual attributes must be examined and subjective evaluations made of perceived personal worth. Considering that selection for survival constitutes a unique operationalization of the self-esteem concept, possible extraneous variables (most notably, age and health) must be controlled.

For purposes of labeling, a decision of survival was taken as an indication of high self-esteem while non-survival indicated low self-esteem.

METHODS

364 (147M, 217F) introductory sociology students at a Southern commuter university participated in a simulated society exercise entitled "Who Shall Survive." The game was administered early in the semester to avoid the possibility that later classroom discussions and readings regarding sex role issues might have altered opinions and orientations.

The game consisted of two phases. In the first phase, students were divided into groups ranging in size from 5 to 9, depending on the size of the class. Each member of the group was provided with a paper containing a short biography of 15 people (see Figure 1)* The groups were told to assume that an atomic attack had occurred, and these 15 people had crowded into a bomb shelter. However, the shelter had supplies to support only 7 people for two weeks, the minimum amount

*To editors: This figure may be omitted at your discretion.

of time necessary for outside radiation levels to subside
to a safe level. Therefore, 8 people had to be forced out
of the shelter. Each group was charged with deciding which
8 people were to be forced out and which 7 would remain,
and thus survive. Additionally, the students were told that,
to the best of their knowledge, these could well be the only
7 people who survived the holocaust.

After each group had reached a decision, class discussions
were held concerning their choices. Then, as a final phase of
the game, the subjects were requested to construct an anony-
mous autobiography, using those on the instruction sheet
as a model. This provided consistent information on such
variables as sex, race, religiosity, health, marital status
and skills. Finally, each subject indicated if he or she
would choose themselves if they had appeared on the list.

The autobiographies were coded and cross-tabulated for
dichotomies of self-esteem (selection for survival) vs. gender.
The 2X2 tables were utilized in testing the stated hypothesis
that men will display higher self-esteem than women. This
thesis was further explored by controlling for various attri-
butes in an attempt to discover any intervening variables.

Significance of the distribution or relationship was
examined by using chi-square (X^2) corrected for lack of con-
tinuity by employing Yate's correction for 2X2 tables [cf.
Blalock (1972): 285-6]. This correction deflates values

obtained for X^2, resulting in a more conservative estimate
of the coefficient.

Since X^2 is not applicable for measurement of the strength
of relationships due to its influence by table and sample size,
an adjustment was utilized. Pearson's Contingency Coefficient
$[C = (\frac{X^2}{X^2 + N})^{1/2}]$ is used in the study to measure associa-
tions between self-esteem and gender, controlling for extra-
neous variables. Since this measure's maximum value is depen-
dent on size of the cross-tabulation table, the maximum value
(.707) is divided into the coefficient to correct for this
artifact and obtain a comparative value with a range from 0
to 1.

FINDINGS

Consistent with existing research, males were found to
display higher degrees of self-esteem. As indicated in Table
I, a significant relationship, as measured by the corrected
contingency coefficient (C = .27), exists between self-esteem
and gender ($X^2 = 12.28$, df = 1, p. = .0005).

_____

Table I about here

_____

Given the unique character of the measurement, controls
were utilized for age and health to further isolate the self-
esteem dimension. In addition, cross tabulations of self-esteem

and gender, controlling for race, marital status, religiosity,
and possession of manual/technical skills were performed (see
Table II).

Table II about here

Of the possible extraneous variables in Table II, only
Race: Minority, which literally translated to "black" in the
sample, and Skills: Manual/Technical significantly altered
the uncontrolled relationship between self-esteem and gender
(Table I). The lack of significance found for self-esteem
vs. gender in the minority case may be explained by the higher
self-esteem of the black female relative to her white counter-
part, due to a historically more powerful and dominant role
in the family [Gove and Lester (1974); Chafetz (1974): 54].

Although this finding is relevant, it is not particularly
unique. The more interesting finding is the intervening
effect of skill attainment on the sample. As presented in
Table III, where cross-tabulations controlling for skills are
reproduced, subjects with manual/technical skills show a
relationship between self-esteem and gender that is relatively
weak (C = .12) with a very high probability of chance variation
(p = .593). When the sample consisting of subjects with no
manual/technical skills is examined, a result similar to the
relationship between self-esteem and gender is found to exist

(C = .24, p = .007). This substantiates the important con-
founding effect between self-esteem and gender contributed
to possession of manual/technical skills.

Table III about here

DISCUSSION AND CONCLUSIONS

Findings of this study further validate the existence
of a self-esteem differential between genders. As discussed
earlier, a portion of the differential may undoubtedly be
attributed to cultural role definitions that favor masculinity
in the socialization process.

However, there appears to be an important aspect of this
socialization that may account for a substantial portion of
the variance in self-esteem. This aspect may be viewed as
having policy relevant implications in the attainment of
psychological equality between the sexes.

As a rule, men, relative to women, are encouraged to
cevelop skills, both mechanical and intellectual, that allow
for a manipulation of, and hence, better adaptation to, their
environment. Holter, in _Sex Roles and Social Structure_ (1970),
terms these "instrumental" skills. In contrast, women are
socialized to attain expressive (domestic and social) skills.

>Instrumental activities are valued
>more highly than expressive ones espe-
>cially in modern societies. The former
>are usually more amenable than the latter
>to measurement of success...The implica-
>tion is that instrumental tasks lend them-
>selves more than expressive ones to con-
>trol, to the development of hierarchies of
>authority, and to the concentration of
>power...[Thus], differentiation by gender
>necessarily leads to a stratification
>according to which men have more power and
>prestige than women [Holter (1970):46-7].

Women in the sample undoubtedly possessed skills. but most were pro'ably of an expressive variety and did not lend themselves to the development of self-confidence and/or high self-esteem.

On the other hand, those women reporting possession of instrumental skills were as likely as men in the sample to indicate that they were worthy of survival. In fact, they were _more_ likely than men who did not report instrumental skills (X^2 = 3.83, significant at the .05 level).

The research suggests that _one_ method of augmenting a psychological equality between the sexes is the attainment of instrumental skills by women. The likelihood of achieving this goal could be enhanced by the enactment of public policies which mandate that opportunities for development and utilization of these skills be made available.

Ideally, desired psychological equality could be attained by a more positive societal evaluation of expressive skills. Undoubtedly, men would have much to gain by developing

expressive abilities. As Sappenfield and Harris (1975) report, androgynous individuals possessing positive characteristics associated with both genders have a tendency to display high self-esteem. But the extensive resocialization required for this end may be accelerated by the more immediately obtainable goal of instrumental skills development among women.

REFERENCES

Bar-tal, Daniel and Irene Frieze
1973   "Achievement Motivation and Gender as Determinants of Attribution for Success and Failure." Unpublished manuscript, University of Pittsburgh.

Blalock, Hubert M. Jr.
1972   Social Statistics, New York: McGraw-Hill.

Breedlove, Carolyn J. and Victor G. Cicirelli
1974   "Women's Fear of Success in Relation to Personal Characteristics and Type of Occupation." Journal of Psychology 86:181-90.

Chafetz, Janet Saltzman
1974   Masculine/Feminine or Human?, Itasca, Illinois: Peacock.

Crandell, Virginia
1969   "Sex Differences in Expectancy of Intellectual and Academic Reinforcement." in C. P. Smith (ed.), Achievement Related Motives in Children, New York: Sage.

Deaux, Kay and Tim Emswiller
1974   "Explanations of Successful Performance on Sex-Linked Tasks: What is Skill for the Male is Luck for the Female." Journal of Personality and Social Psychology 30:846-55.

Deaux, Kay and E. Farris
1974   "Attributing Causes for One's Own Performance: The Effects of Sex, Norms, and Outcomes.' Unpublished paper, Purdue University.

Feather, N. T.
1969   "Attribution of Responsibility and Valence of Success and Failure in Relation to Initial Confidence and Task Performance." Journal of Personality and Social Psychology 13:129-44.

Feather, N. T. and J. G. Simon
1969   "Reactions to Male and Female Success and Failure in Sex-linked Occupations: Impressions of Personality, Causal Attributions, and Perceived Likelihood of Different Consequences." Journal of Personality and Social Psychology 31:20-31.

Gove, Walter R. and Barbara J. Lester
1974   "Social Position and Self-Evaluation: A Reanalysis
          of the Yancey, Rigsby, and McCarthy Data." American
          Journal of Sociology 79:1308-14.

Horner, Matina
1970   "Feminity and Successful Achievement: A Basic
          Consistency." in J. M. Bardwick (ed.), Feminine
          Personality and Conflict, Monterrey, California:
          Brooks/Cole.

Holter, Harriet
1970   Sex Roles and Social Structure, Oslo: Univer-
          sitetsforlaget.

Komarovsky, Mirra
1946   "Cultural Contradictions and Sex Roles." American
          Journal of Sociology 51:182-89.

Monahan, Lynn, Deanna Kuhn and Phillip Shaver
1974   "Intrapsychic Versus Cultural Explanations of the
          'Fear of Success' Motive." Journal of Personality
          and Social Psychology 29:60-4.

Rosenkrantz, Paul and Susan Vogel
1968   'Sex Role Stereotypes and Self-Concepts in College
          Students." Journal of Consulting and Clinical
          Psychology 32:287-95.

Sappenfield, Bert and Cynthia Harris
1975   "Self-Reported Masculinity-Femininity as Related to
          Self-Esteem." Psychological Reports 37:669-70.

Spence, Janet, Robert Helmreich and Joy Stapp
1975   "Ratings of Self and Peers on Sex Role Attri-
          butes and Their Relation to Self-Esteem and
          Conceptions of Masculinity and Femininity."
          Journal of Personality and Social Psychology
          32:29-39.

Tarvis, Carol and Carole Offir
1977   The Longest War: Sex Differences in Perspective,
          New York: Harcourt Brace Jovanovich.

Wells, L. and Gerald Marwell
1976   Self-Esteem: Its Conceptualization and Measurement,
          Beverly Hills: Sage.

FIGURE I

"WHO SHOULD SURVIVE?"

The following 15 persons are in an atomic bomb shelter. An atomic attack has occurred and it will take two weeks for the external radiation level to drop to a point that life can be supported. However, only 7 people can be supported at a minimal level for these two weeks. It is the task of your group to decide who should survive.

1. Dr. Dane - 39, white, no religious affiliation, Ph.D. in history, college professor, good health, married, 1 child (Bobby), active and enjoys politics.

2. Mrs. Dane - 38, white, Jewish, BA and MA in psychology, counselor in mental health clinic, good health, married, 1 child (Bobby), active in community.

3. Bobby Dane - 10, white, Jewish, special education classes for 4 years, mentally retarded, good health, enjoys pets.

4. Mrs. Garcia - 33, prostitute, Mexican-American, Catholic, 9th grade education, cocktail waitress, good health, 1 child (Jean).

5. Jean Garcia - 3 weeks old, good health, nursing for food.

6. Mrs. Evans - 32, black, Protestant, MA in elementary education, teacher, divorced, 1 child (Mary), good health, cited as an outstanding teacher, enjoys working with children.

7. Mary Evans - 8, black Protestant, 3rd grade, good health, excellent student.

8. John Jacobs - 13, white, Protestant, 8th grade, honor student, very active, broad interests, good health, religious background.

9. Mr. Newton - 25, black, atheist, was starting last year of med school but suspended for suspected homosexual activity.

10. Mrs. Clark - 26, American Indian, college grad, electronics engineer, no children, good health, enjoys outdoor sports and stereo equipment, grew up on reservation, bitter about treatment there.

11. Sister Mary Kathleen - 27, nun, college grad, English major, good health, father a prominent businessman.

12. Mr. Black - 51, white, Mormon, high school education, mechanically minded (nicknamed "Mr. Fix-it"), married, 4 children (not with him), good health, enjoys outdoors and working in his shop.

13. Ms. Harris - 21, Mexican-American, Protestant, college senior, nursing major, good health, likes outdoors, enjoys people, active in feminist movement and activities.

14. Father Franz - 37, Catholic, criticized for liberal views, college grad plus seminary training, good health, former college athlete.

15. Dr. Gonzales - 66, Puerto Rican, Catholic, medical doctor, has had 2 heart attacks in past 5 years, but continues to practice medicine.

TABLE 1
CROSS TABULATION OF SELF-ESTEEM BY GENDER

Gender

		Males		Females
	high	71.4%		52.5%
Self-esteem				
	low	28.6%		47.5%
	totals	100.0%		100.0%
		N = 147		N = 217 ΣN = 364

Corrected X^2 = 12.28, df = 1, p = .0005

Corrected Contingency Coefficient (C) = .27

TABLE II
SELF-ESTEEM BY GENDER CONTROLLED FOR EXTRANEOUS VARIABLES

Variable	N*	χ^2	df	level of significance	C
Race					
White	286	10.68	1	.001	.28
Minority	73	1.12	1	.284	.21
Marital Status					
Married	60	3.58	1	.058	.38
Non-married	101	4.29	1	.038	.32
Religion:					
Religious	263	3.43	1	.063	.17
Non-religious	101	9.23	1	.006	.44
Age:					
Young	312	6.98	1	.008	.22
Older	43	7.68	1	.006	.60
Health:					
Good	271	6.98	1	.008	.23
Bad	93	5.83	1	.016	.37
Skills:					
None	272	7.22	1	.007	.24
Manual/Technical	92	0.29	1	.593	.12

*N = subjects reporting that attribute

TABLE III
SELF-ESTEEM BY GENDER CONTROLLED FOR SKILL

[NO SKILL]

Gender

	Males		Females
high	. 66.3%	.	48.3%
Self-Esteem			
low	33.7%		51.7%
totals	100.0%		100.0%
	N = 92		N = 180 ΣN = 272

Corrected X^2 = 7.22, df = 1, p = .007

Corrected C = .24

[SKILL]

Gender

	Males		Females
high	80.0%		73.0%
Self-Esteem			
low	20.0%		27.0%
totals	100.0%		100.0%
	N = 55		N = 37 ΣN = 92

Corrected X^2 = .285, df = 1, p = .593

Corrected C = .12