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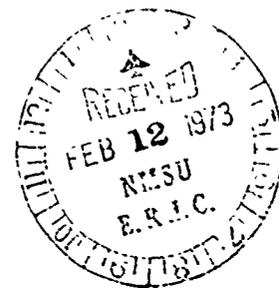
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ABSTRACT

A cluster of social psychological variables--academic motivation, self-concept, and significant others influence--as they intervene between other independent variables and the child's status projections, were examined in this study. Data came from an extensive questionnaire survey, conducted in 1969, of 1,412 lower social strata mother-child pairs. Residential-racial subgroupings surveyed were (1) rural Appalachian white students and their mothers from Kentucky, Tennessee, and North Carolina; (2) rural Black students and their mothers from Alabama, Mississippi, and South Carolina; and (3) urban Black students and their mothers from Alabama, Kentucky, and Virginia. It was concluded that occupational and educational status projections appeared to have different paths of influence and that occupational status projections tended to be relatively independent of criteria determining life chances while educational projections were considerably more influenced by socioeconomic, ability, and self-evaluative factors. Implications of the study were that any attempt to treat occupational and educational status projections together as part of any constellation concept such as ambition can be questioned and that the more definitive antecedents of the child's educational status projection, coupled with greater explained variance and more anticipatory deflection in educational expectations, possibly indicate less idealism in educational projections than in occupational projections. (HBC)

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Status Projections of Lower Social Strata Pre-Adolescents:
A Focus on Some Intervening Social Psychological Factors

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INTRODUCTION

As research on mobility and achievement orientations has accumulated, research efforts have become increasingly analytical rather than descriptive, and increased attention to social psychological variables has resulted. These two interrelated trends are more than merely the examination of a larger number of more diversified variables which may be associated with status achievement orientations. These trends represent an attempt to explain certain aspects of career orientation, such as occupational and educational status projections, in terms of the process involved.

Ascertaining this process necessitates the examination of the relative influence of variables intervening between antecedents such as family background, family structure, and measured intelligence and the dependent status projections. This need is supported by an emerging body of literature which suggests that while social class and measured intelligence have traditionally been shown to have positive correlation with occupational and educational status projections (Haller and Miller, 1967; Kuvlesky, 1969), there is ample reason to question direct relationships. That is, the relationships between antecedent variables and status projections have been explained, in part, by social psychological factors such as parental encouragement and parent-child relations (Sewell and Shah, 1968; Kandel and Lesser, 1969; Albert, Schafer, and Sinclair, 1970). These findings raise a question about the nature of stratification as a major source of variation in achievement values and call for more attention to additional intervening variables.

Numerous studies of youths' educational and occupational projections have been concerned with the identification of relevant independent social

psychological factors such as parental encouragement and aspirations (Kandel and Lesser, 1969), motivation to achieve (Rosen and D'Andrade, 1959; Brim, 1965) and self-concept (Slocum, 1958; Herriott, 1963; Brim, 1965). Only recently, however, has there been much concerted effort to examine such social psychological factors as an important cluster of intervening variables. For example, Sewell, Haller and Ohlendorf (1970) have developed a complex model of the educational and occupational status attainment process. Congruent with a reference group perspective, it links socioeconomic status and measured intelligence with educational and occupational attainment by way of the influence of significant others as well as by educational and occupational aspirations. Also representative of the focus on intervening social psychological variables is Picou and his associates' (1972) examination of academic achievement orientation and significant others influence in a sequential model explaining educational expectations.

The objective of this paper is the examination of a cluster of social psychological variables; academic motivation, self-concept, and significant others influence, as they intervene between other independent variables and the child's status projections.

CONCEPTUAL AND THEORETICAL PERSPECTIVE

The major assumption operative throughout this chapter is that aspirations, with regard to projected status attainment, reflect generalized cultural values. Educational and occupational status projections are conceived as concepts from which success and achievement values may be inferred.

The cultural in-put of the achievement ethos (see Williams, 1970, for discussion) has been implied as profound in Merton's (1968:185ff) thesis that the achievement ideology pervades all social strata in America. Support for Merton's thesis is to be found in the fact that regardless of social class, ethnicity, or age, high prestige occupations are aspired to in the United States (Empy, 1956; Stephenson, 1957; Antonovsky and Lerner, 1959; Gist and Bennett, 1963; Hamilton, 1964; Kuvlesky, 1969). In light of the lack of knowledge concerning the nature of specific occupations (Slocum, 1966:186, Taylor, 1968:189) occupational prestige is the main basis on which aspirations are based (McClelland, 1955:239; Merton, 1968:185ff., 292).

Important for this study is children's awareness of occupational prestige, their perception of the opportunity structure, and their social class self-identification. A recent study of black and white children from grades three through twelve reveals that as early as elementary school: (1) children rate occupations in an order almost identical to that of adults; (2) although children do not accept the doctrine of equality of opportunity for all, a majority of every age, race, and socioeconomic level are optimistic about their own personal opportunity; and (3) children, like adults, tend to select the middle class as their social locale (Rosenberg and Simmons, 1971).

A major contention of this work is that many investigators have obscured the cultural basis of aspiration (as operationalized in this and most aspiration studies) by their contention that the high "success goals" of young people are highly "unrealistic" in view of objectively slim possibility of attainment (Lott and Lott, 1963; Coleman, et.al., 1966; Slocum,

1966; Cosby and Picou, 1971). The "unrealistic-realistic" conception of aspiration, largely derived from the psychological developmental theories of occupational "choice," is incongruent with some evidence that occupational aspirations do not become more "realistic" through high school ... "conversely many become less 'realistic' " (Kuvlesky, 1969:18). In the absence of realistic or objective bases for occupational aspirations, coupled with perception of the occupational prestige hierarchy, cultural values regarding occupational goals provide the context of aspirations. That is to say, in this author's perspective the high success goals of young people are not "unrealistic" personalized goal-commitments, but rather "idealistic" or cultural goals given individual expression.

Although many authors have conceptualized aspirations as "ideal" phenomena, some have made a distinction between aspirations and expectations, the latter being termed "realistic" (Stephenson, 1959; Han, 1969).

The position forwarded here is that both are within the "idealistic" realm of analysis. Expectation is not viewed as a realistic appraisal of future goal attainment, but rather the projected level of goal attainment resulting from the extent to which awareness of limitations deflects the projection from an idealized aspiration. This is congruent with Haller's (1968) clarification of aspiration in which he points out that expectations are not realistic but are based on significant others' expectations. In other words, whereas aspirations are indicators of the extent of assimilation of cultural values, expectations are indicators of the extent to which cultural values are modified by perception of significant others' expectations (Haller, 1968) or by perception of barriers to the attainment of the most idealized status (Aldrich, 1970).

Support for this conceptualization of expectations as being within the ideal level of abstraction can be found in studies of southern rural youth that indicate a congruence between aspirations and expectations for a majority of respondents, while some respondents actually have expectations that are higher than aspirations (Ameen, 1968; Wright, 1968; Lever, 1969). Furthermore, in expectations alone, considerable upward inter-generational mobility orientation is indicated by lower status youth (Slocum, 1956; Heller, 1967; Simmons and Rosenberg, 1971). Finally, although barriers to occupational opportunity are generally perceived, this is not taken into account in aspirations (Rosenberg and Simmons, 1971) or expectations (Ameen, 1968). For example, in a Mississippi study of black high school juniors and seniors in which 80 percent of the students perceived some barrier, over 91 percent of those aspiring to professional occupations expected to achieve them (Bell, 1969). Even when perception of structural and personal barriers has been shown to have a negative effect on achievement orientation, occupational aspirations, and occupational expectations, high levels of aspiration and expectation still persist (Aldrich, 1970).

HYPOTHETICAL MODEL

Cultural values are learned, intensified or modified, in the process of social interaction. Thus social and psychological factors are important in the process by which the individual acquires unique achievement values. This notion is conveyed more explicitly by the following theoretical assumptions related to the formation of aspirations.

- (1) Significant others influence and status projections for the child and the child's perception of his mother's affective behavior constitute socialization factors serving to link socioeconomic background, mother's achievement values, and the child's measured intelligence with the child's status projections (after Strodtbeck, 1958; Simpson, 1962; Herriott, 1963; Rosen, 1964a; Sewell and Shah, 1967; Kandel and Lesser, 1969; Kandel, 1971).
- (2) Child's self-concept and achievement motivation constitute personal factors serving to link socialization factors with the child's status projections (after McClelland, 1953; Elder, 1962; Rosen, 1964; Rosenberg, 1965; McCandless, 1967; Slocum, 1967).

Derived from the above theoretical assumptions concerning achievement orientation the following hypothetical sequence of variables is constructed.

<u>Antecedent</u>	<u>Intervening</u>	<u>Dependent</u>
Family structure	Mother's child-rearing value (orientations)	Child's self-concept
Family socioeconomic background	Child's perception of mother's affective behavior	Child's occupational and educational status projections
Mother's achievement orientations	Significant others influence	Mother's status projections for child
Child's measured intelligence and sibling order		Child's academic motivation

METHOD

Data Source

Data for this study came from an extensive questionnaire survey of 1412 lower social strata mother-child pairs in 1969. The design is purposive-quota sampling selecting racially homogeneous schools from rural districts (2,500 or less) that still have a substantial number of small farm population and from urban districts (above 40,000) composed of a large working-class population. Residential-racial subgroupings surveyed are (1) rural Appalachian white students (N=579) and their mothers (from Kentucky, Tennessee, and North Carolina); (2) rural black students (N=480) and their mothers (from Alabama, Mississippi, and South Carolina); and (3) urban black students (N=353) and their mothers (from Alabama, Kentucky, and Virginia). The child's questionnaire and the Otis-Lennon Intelligence Test were administered in group settings to all fifth and sixth graders in the schools selected. Interviews were then conducted with the students' mothers or mother substitutes by home visits. Subjects were deleted from the study when: (a) the child's IQ score was below 60; (b) data were incomplete; or (c) mother or mother substitute was lacking.

Measures of Variables

The following brief summary of operational definition of the variables is arranged in sequence from dependent to independent variables. Variables 3,6,9,10,11,12,13,14,17,18 are scales or subscales determined by factor analysis and the coefficient of reliability is an inter-item measure determined from the factor analysis procedure..

1. OCC Child's occupational status projection - mean of aspired and expected - scored using NORC transformation of the Duncan Scale (Reiss, 1961:265-275)
2. ED Child's educational status projection - mean of aspired and expected - 7 response categories '8th grade' to 'finish college'
3. AC Child's academic motivation - composite score on Elder Academic Motivation Scale (1962) and "liking school" subscale from Weiner Achievement Motivation Scale (unpublished). (Scale reliability = .74)
4. MOC Mother's occupational status projection for child - parallels OCC
5. MED Mother's educational status projection for child - parallels ED
6. SEL Child's self-concept - score on Lipsett Self-Concept Scale for Children (1958) (Scale reliability = .88)
7. FATK Child reports that father has talked with him or her about educational and occupational future - 2 items - responses to 10 categories "mother" to "no one"
8. MOTK Child reports that mother has talked with him or her about educational and occupational future - parallels FATK
9. COM Child's perception of mother's degree and type of communication - "with" rather than "to" the child, mother explains decisions, child involved in decision-making - scale derived from Elder's Independence Training Items (1962) (Scale reliability = .49)
10. PU Child's perception of mother as "punishing" - punitive, rejection orientation - one of three subscales from the Bronfenbrenner Parent Behavior Inventory (Sigelman, 1965) (Scale reliability = .81)
11. DM Child's perception of mother as "demanding" - insists on high achievement, withdraws affection when child misbehaves - BPB, Sigelman (1965) (Scale reliability = .75)
12. LV Child's perception of mother as "loving" - affectionate, supportive, participatory orientation - BPB, Sigelman (1965) (Scale reliability = .81)
13. CHA Mother desires child to have "character" - emphasis on success, self-control, individuality - based on 3 choices from 16 characteristics - Kohn Parental Values Items (1969)
14. OUT Mother desires child to be "outgoing" - gregarious, happy, get along with others - Kohn (1969)
15. FST Child is first born or only child
16. IQ Child's score on the Otis-Lennon Mental Ability Test (1967) (Scale reliability = .70-.80)

17. ACV Mother's achievement value orientation (Rosen, 1964)
(Scale reliability = .81)
18. ANO Mother's anomia (Srole, 1956) (Scale reliability = .65)
19. FBK Family background - designed to represent socioeconomic status through a weighted (to equalize standard deviations) combination of NORC occupational scores for father's occupation (or mother's if no husband) father's and mother's education, and mother's social participation
20. HOZ Household size
21. NOH No husband present
22. WEL Welfare status
23. MOG Mother's age

Procedure

Identification of the manner in which the variables influence aspiration is facilitated by regression analysis of our variables in a block-recursive design congruent with the "paths" of influence implied in the above hypothetical model.

In Duncan's (1966:1) discussion of path analysis in sociology, he points out that "path analysis focuses on the problem of interpretation and does not purport to be a method for discovering causes." Duncan points out that path analysis amounts to a sequence of conventional regression analyses, the path coefficients being "beta coefficients" in a regression setup. More specifically defined, path coefficients are quantities which indicate the fraction of the standard deviation of a dependent variable for which a designated independent variable is responsible (Land, 1969:8). That is to say, the path coefficient indicates the direct effect on one variable after the effects of all other antecedent variables have been controlled.

A concern with linear, additive, asymmetric relationships among a set of variables which are conceived as measurable on an interval scale is a

necessary assumption for the use of path analysis (Duncan, 1966:2-3). For this study these assumptions must be "relaxed" to a degree. All the variables are not at the interval level of measurement and in actuality interaction among certain variables must exist. For exploratory purposes and provided ^{that} caution is executed regarding the nature of conclusions reached these assumptions can be relaxed (Labovitz, 1967).

The merits of path analysis are: (1) it makes the theoretical assumptions of the ordering of variables explicit; (2) tends to force the discussion to be internally consistent; (3) enables criticism to be sharply focused and hence potentially relevant to the interpretation at hand and to the conduct of further inquiry; and (4) is presented in conjunction with causal diagrams that conveniently convey the relationships under consideration (Duncan, 1966:3, 7).

Much of the literature related to aspiration has yielded results based solely on zero order correlation; therefore, regression analysis may provide the capacity to clarify and interpret some previous findings.

FINDINGS

A brief descriptive profile of socioeconomic, demographic, and status projection characteristics is given in Table 1 indicating the disadvantaged nature and high status projections of the respondents.

The mean scores on the 23 variables by residential-racial subgrouping and by sex ~~is~~ shown in Table 2. Test of significance of the means reveals greater differences by sex in the dependent variables (upper part of chain) and greater differences by subgroupings in the independent variables.

A more important concern for this study is whether the regression coefficients for the subgroupings differ. Homogeneity tests were applied to

the 212 sets of three standardized regression coefficients for males and females. The tests led to rejection of the homogeneity hypothesis ($p < .05$) in only 13 cases for males and 14 cases for females. This is scarcely more than would be expected by chance, and while subgroup differences are of interest (see Table 3) analysis by sex is considered more important because of greater differences by sex.

Before moving to the regression analysis we would suggest that levels of significance should more properly be used as the basis of inference than the coefficients themselves. Most of the variables to be viewed as determinants of aspiration have fair amounts of measurement error which depress the apparent influence of the independent variables. This takes place in both the regression coefficient and the multiple correlation coefficient (see Cochran, 1970).

In order to ascertain the amount and type of influence of the variables on status projections a comparison of zero order correlation, partial correlation, partial regression, and standardized regression coefficients is presented (see Tables 1-4).

This procedure enables the identification of first, the "direct effects" of the antecedents upon the dependent variable (the standardized partial regression coefficients) having controlled for the effects of all other variables. The most significant of these coefficients, of course, is to be taken as our path indicators or paths of influence.

Secondly, the "indirect effects" of the antecedents (as indicated by the amount of "reduction" in the coefficients when moving from zero order correlations to standardized regression coefficients) are ascertained by tests of elaboration (spuriousness and mediation) and the "step-wise" regression procedure enables identification of the variables that account for the reduction.

For example, in the regression of OCC on all independent variables (Table 4) we find a spurious correlation of .075 drop to -.007 which is significant at the .05 level of probability and most of that is from .041 to -.008 or when block VI is included. Block VI is socialization variables that we will later see are determinants of SEL, thus the spurious correlation.

Antecedents of OCC

In our consideration of the influence of all the antecedent variables on OCC (see Tables 4 and 5) the most striking feature is the amount of reduction in moving from zero-order correlation to the fully adjusted regression coefficients. Note that 15 significant zero order correlation coefficients for males and 10 for females are reduced to only 5 significant regression coefficients. This amount of reduction indicates considerable interaction among the variables to produce spuriousness and mediation or indirect effects.

The variables with direct effect for males are MOC, MOTK, CHA, OUT, and to a lesser extent, DM. This is consistent with traditional literature that for youth, especially of lower social strata, upward mobility orientations are linked to maternal influence (Ellis and Lane, 1963). Perhaps more significant is the support for recent findings that suggest that measures of maternal influence such as mothers' expectations, aspirations, and encouragement are the main intervening factors explaining the indirect influence of other independent variables (Sewell and Shah, 1968; Kandel and Lesser, 1969; Kuvlesky, 1969; Rehberg, Schafer, and Sinclair, 1970). This is best seen in the tests of elaboration (see Tables 4a and 5a) which reveal that of the 4 variables with significant indirect effect (IQ, ACV, FBK, HOZ) MOC is the mediating variable in 3 cases.

For females MOC, and to a lesser extent CHA and OUT, are influential - but the role of the father's influence comes into play with FATK, rather than MOTK, being the significant source of influence. This finding is consistent with the contention that "the effect of parental intervention in the development of the child's achievement orientations is more frequently visible in the parent of the opposite sex" (Katrovsky, Preston, and Krandall, 1964). In view of father's influence on daughter's OCC it is curious to find that NOH has a positive direct effect that may be conjectured a mobility orientation "to compensate the consequences of structural incompleteness" (Kriesberg, 1967). Another curious finding is the relative lack of indirect effects, except that of IQ by way of MOC and COM.

Of special interest is the spuriousness in the association of AC, SEL, and ANO with OCC and relative modest indirect effects of IQ for both sexes on FBK for males only. This lends support to the position that occupational status projections are not contingent upon evaluative criteria. That is, occupational status projections for our respondents are little influenced by motivation, self-evaluation, and socioeconomic background, variables presumably determining occupational orientations as well as success.

Antecedents of ED

The amount of reduction is more profound in the antecedents of ED (Tables 6 and 7) than for OCC. Note that a very large number of significant zero order correlation coefficients are reduced to a mere handful of variables with direct effect. Furthermore, the variables with direct effect are reduced to a great extent indicating the amount of interaction among the variables.

In contrast with OCC the antecedents of ED are more congruent with previous findings in the literature. AC, MED, and IQ have direct effect for both sexes. As MOC mediated the influence of other variables to OCC, similarly MED is the main mediating variable in the sizable indirect effect of numerous variables on ED, especially for males (see Tables 6a, 7a, and 8).

As in the antecedents of OCC we find a contrasting pattern of indirect effects by sex. However, where indirect effects were sparse for females OCC in the case of ED significant indirect effects are pronounced and diffuse among numerous mediating variables (15) (see Table 8).

Another pronounced difference by sex is the extent to which FBK mediates the negative effects of family structure variables (MOG, WEL, and HOZ) for females but much less so for males. The direct effect of FBK on females ED consistent with other studies of rural southern youth (Sperry and Kivett, 1964) and raises the question of whether disadvantaged females are more likely to perceive or be influenced by barriers earlier than males.

By examining the final regression matrices for all variables (Tables 9 and 10) we see one of the most distinctive features of ED for both males and females is the very strong path of SEL AC ED. This is, of course, what would be predicted by previous literature on self-evaluation and achievement motivation (Hammond, 1954; Kohn, 1959; Komarovsky, 1962; McKinely, 1964; McCarthy and Yancy, 1971:659).

However, the strong antecedents of SEL in the variables LV, PU, DM were not found to indirectly influence ED through SEL AC in the tests of elaboration. Therefore the convenient "linking up" of variables by all significant beta values would be inconsistent with tests of elaboration.

CONCLUSIONS

Perhaps the most interesting finding in the consideration of the antecedents of OCC and ED is the apparently different sets of paths of influence for each. Whereas OCC for both sexes is primarily determined by a parallel measure for the mother (MOC), attitudinal measures of the mother (CHA,OUT) and significant other influence in the parent of the opposite sex, there is no influence from the child's variables AC and SEL.

In contrast ED for both sexes is strongly influenced not only by the child's AC, SEL, IQ but also by FBK and measures for the mother, MED and ACV. Furthermore the parent-child relationship variables (COM, LV, PU, DM) come into play with indirect effects indicating the possibility that socialization may have a greater influence on educational status projections than on occupational projections.

Thus, occupational and educational status projections, in this study, appear to have different paths of influence. Occupational status projections tends to be relatively independent of criteria determining life chances while educational projections are considerably more influenced by socioeconomic, ability, and self-evaluative factors.

This may have several important implications for an analytical distinction between occupational projections and educational projections. First, it raises the question about any attempt to treat occupational and educational status projections together as part of any constellation concept such as "ambition" (Turner, 1964).

Secondly, the more definitive antecedents of ED, coupled with greater explained variance ($R^2 = .195$ and $.206$ for male and female OCC; $R^2 = .346$ and $.290$ for male and female ED), and more anticipatory deflection in

educational expectations, possibly indicate less idealism in educational projections than in occupational projections.

The high amount of measurement error and low amount of explained variance in occupational status projections reflect the common problem of ineffective use of survey techniques with young and less educational respondents (TenHouten, et.al., 1971).

Perhaps a greater limitation is the possible exaggeration of the extent to which mobility orientations of the child (OCC and ED) are transmitted by parental influence (MOC, MED). As Furstenberg (1971) cautions, parental influence on aspiration is not only relatively modest but also parent-child agreement may result from common factors acting upon family members to produce similarity in aspirations.

The lack of ability in explaining status projections with numerous independent variables is far more than lack of precision in measurement and procedure. Not only does this short-coming call for more sophisticated analytical studies, but also calls for more sophisticated descriptive studies. For example, there is a need to ascertain the extent to which occupational projections are based on "prestige" or on the "monetary rewards" aspects of high status occupational responses. Finally, such qualitative dimensions of occupational status orientation such as individual "knowledge of occupations," "awareness of alternative occupations," and "intensity of aspiration," need more attention if investigators are to operationalize aspirations at the individual level of analysis rather than as a cultural or normative phenomenon.

Table 1. Brief Descriptive Profile

Socioeconomic and individual characteristics

Father's Occupational Status: mean NORC score = 53.0;
 21.7 laborers, 21.5 no father or unemployed,
 17.5% skilled craftsmen, 16.5 operators,
 1.5 professional

Educational Status: father = 7.6 mean years;
 mother = 8.9 mean years

Child's mean characteristics: age = 11.2; IQ = .87; FST = 28.2%
 mid-sibling = 53.1%

Status Projections

	<u>Male</u>		<u>Female</u>	
	Asp	Exp	Asp	Exp
OCC -- mean NORC score	68.2	65.1	71.7	69.1
ED - mode "finish college"	56.0%	38.5%	63.9%	40.0%

Qualitative difference
in OCC by sex

	<u>Male</u>		<u>Female</u>		
	Asp	Exp	Asp	Exp	
1. Athlete	7.7	8.2	1. Teacher	39.5	30.5
2. Doctor	6.8	4.5	2. Nurse	21.1	16.5
3. Teacher	6.3	4.9	3. Secretary	10.4	8.5
	20.8%	17.6%	71.0%	55.5%	

Comparison of S-63 with Wisconsin Study

The ED variable was scored 1 to 7. The Sewell, Haller, Ohlendorf (1970) LEA used scores of 0, 1, and 2 for high school, vocational school and college. If we score S-63 categories 1-4 as 0, 5 and 6 as 1, and 7 as 2, then we can calculate an ED-LEA equivalent score for the groups. By fitting a line the conversion formula becomes: S-63 ED = 3.31 + 1.93 LEA. The Wisconsin total group had an average LEA of .833 which converted becomes a 4.92 ED score compared with 5.67 for all S-63 males.

Similarly, the Wisconsin LOA scores may be converted to scores comparable with S-63 OCC in accord with the formula: NORC = 54 + (.317) SES, where SES is Duncan's socioeconomic status score and NORC are the units of OCC in the present study. The formula was obtained by age fitting to Figure 1. of Reiss (1963:151). For Wisconsin, high school seniors the average OCC score would be 67 (converted from 40.429) while in S-63, the mean for all students was 68.8 (Source: Charles Proctor, Department of Experimental Statistics, North Carolina State University).

Table 2. Means for Variables by Sub-grouping and Sex

No.	Name	Sub-Group ^{/a}						F-values to test for		ALL Mean (St. Dev.)
		UBB	UBG	RBB	RBG	RWB	RWG	SUB Diff ^{/b}	SEX Diff ^{/c}	
1	OCC	70	73	66	70	66	70	15.9	68.5	68.8 (+ 9.4)
2	ED	6.0	6.2	5.6	5.7	5.4	5.5	27.5	3.9	5.67 (+ 1.30)
3	AC	39	40	41	42	38	41	54.2	69.4	40.2 (+ 4.1)
4	MED	5.6	5.6	5.5	5.6	5.6	5.4	1.1	0.0	5.53 (+ 1.12)
5	MOC	74	72	68	71	69	70	33.7	6.3	70.5 (+ 7.2)
6	SEL	67	70	67	69	65	67	11.7	19.4	67.2 (+ 9.8)
7	FATK	1.2	.9	1.2	.9	1.3	1.0	4.2	53.0	1.11 (+ .81)
8	MOTK	1.6	1.7	1.5	1.6	1.4	1.6	5.6	20.9	1.55 (+ .62)
9	COM	3.4	3.4	3.1	3.2	3.7	4.0	39.3	3.2	3.50 (+ 1.23)
10	PU	33	31	34	34	31	29	18.8	5.8	32.0 (+ 9.9)
11	DM	53	54	52	53	50	52	12.4	17.0	52.1 (+ 7.7)
12	LV	66	68	65	66	66	68	8.4	20.5	66.5 (+ 7.4)
13	CHA	1.2	1.1	.8	.9	1.3	1.2	38.4	0.3	1.10 (+ .74)
14	OUT	.9	.7	.9	.8	.9	.9	4.3	1.7	.87 (+ .66)
15	FST	.21	.29	.23	.19	.37	.36	16.7	0.0	.283 (+ .445)
16	IQ	88	89	79	79	92	95	261	5.9	87.4 (+ 10.3)
17	ACM	28	27	23	24	26	26	76.6	1.2	25.5 (+ 4.5)
18	ANO	.49	.55	.65	.66	.66	.64	10.6	0.2	.619 (+ .460)
19	FBK	143	139	120	119	132	129	112	4.9	129.5 (+ 20.8)
20	HOZ	6.8	6.6	8.0	8.3	5.8	5.7	146	0.0	6.81 (+ 2.30)
21	NOH	.27	.35	.23	.22	.06	.09	43.4	1.9	.185 (+ .377)
22	WEL	.36	.49	.24	.45	.34	.45	.0.9	9.1	.382 (+ .905)
23	MOG	38	38	40	40	38	38	9.2	0.0	38.5 (+ 7.5)

^{/a} UBB = Urban black boys, UBG = Urban black girls, RBB = Rural black boys,
 RBG = Rural black girls, RWB = Rural white boys, RWG = Rural white girls.

^{/b} If there are no differences among sub-cultures this F statistic would exceed
 4.6 1% of the time and 7.6 .05% of the time.

^{/c} If there is no boy-girl difference in means this F statistic would exceed
 6.7 1% of the time and 12.2 .05% of the time.

Table 3. Tests of Homogeneity of Standardized Regression Coefficients: Significant Sub-Group Differences

Variables	Males			Females			X ²
	UB	RB	RW	UB	RB	RW	
OCC on HOZ	-19	-04	06	19	-10	-07	7.89*
ED on WEL	02	10	-10	-26	03	-09	8.27*
on LV	-15	17	08	33	09	03	7.49*
on COM	12	01	-16	-05	15	28	8.64*
on SEL	22	-07	01	21	09	-11	12.16**
AC on PU	-13	08	11	03	-08	20	10.60**
MED on FBK	06	15	35	04	04	-19	7.61*
FATK on CHA	-08	08	-16	18	01	-22	14.48**
DM on MOG	-08	05	-19	20	-04	-07	7.15*
PU on HOZ	13	-09	17	-13	-14	12	7.28*
on FBK	00	-12	15	01	17	40	18.16**
OUT on NOH	14	-14	08	16	32	05	5.97*
ACV on WEL	21	-04	-26	12	-13	10	7.60*
				-13	-04	-28	9.44**

*** = p < .005
 ** = p > .006 < .01
 * = p > .02 < .05

Table 4. Step-Wise Regression of Male Occupational Status Projection (OCC) on Independent Variables

Independent Variables	Zero Order r	Step-wise inclusion of blocks										
		X	IX	VIII	VII	VI	V	IV	III	II	I	
3 AC	.092*	.089	.076	.061	.066	.022	.017	.020	.020	.023		
4 MED	.176***	.166	.114	.095	.084	.087	.089	.090	.058	.056		
5 MOC	.228***	.227	.191	.176	.175	.172	.172	.172	.171	.172***		
6 SEL	.075*	.071	.059	.045	.041	-.008	-.007	-.008	-.007	-.014		
7 FATK	.021	.020	.013	.004	.008	-.016	-.043	-.042	-.043	-.043		
8 MOTK	.134***	.132	.120	.105	.105	.081	.093	.093	.092	.090***		
9 COM	.106***	.098	.101	.087	.076	.034	.029	.029	.028	.026		
10 PU	.000	.004	.010	.023	.017	-.017	-.023	-.025	-.015	-.016		
11 DM	.111***	.107	.107	.110	.108	.083	.084	.085	.085	.082+		
12 LV	.107***	.102	.097	.088	.092	.035	.023	.025	.018	.017		
13 CHA	.082*	.080	.067	.064	.139	.138	.136	.136	.130	.131***		
14 OUT	.097***	.100	.081	.083	.146	.141	.140	.140	.130	.131***		
15 FST	.071	.047	.064	.073	.077	.078	.073	.073	.063	.062		
16 IQ	.160***	.153	.106	.131	.125	.114	.105	.106	.070	.068		
17 ACV	.136***	.133	.090	.084	.065	.050	.047	.047	.025	.026		
18 ANO	-.108***	-.109	-.045	-.036	-.032	-.036	-.037	-.037	-.030	-.029		
19 FBK	.137***	.132	.104	.073	.054	.065	.063	.063	.012	.012		
20 HOZ	-.079*	-.082	-.069	-.029	-.035	-.019	-.020	-.020	-.015	-.015		
21 MOH	.003	-.002	.006	.013	.007	.002	-.009	-.009	-.001	.000		
22 WEL	-.036	-.030	-.001	.005	.004	-.003	-.003	-.002	.000	-.001		
23 MOG	.011	.008	.042	.057	.049	.057	.057	.057	.062	.063		

Partial correlation coefficients above diagonal; differences indicate spuriousness or masking. Standardized regression coefficients below diagonal; differences indicate mediation effect. Differences between adjacent r's and b's on the diagonal indicate interaction among variables in same block.

*** = p < .005
 ** = p < .01
 * = p < .05
 + = p < .10

Table 4a. Tests of Elaboration: Antecedents
of
Male Occupational Status Projection (OCC)

	<u>TEST</u>	<u>REDUCTION</u>	<u>INTERPRETATION</u>
r1,3=.089	r1,3·4-23=.035 b1,3·4-23=.040	-.054 ⁺ +.005	spurious
r1,4=.083	r1,4·6-23=.030 b1,4·5-23=-.006 b1,4·3-23=-.009	-.053 ⁺ (-.034 via block IX) -.036 -.003	spuriousness interaction
r1,5=.179	r1,5·6-23=.147 b1,5·4-23=.154 b1,5·3-23=.152	-.032 +.007 -.002	direct effect
r1,6=.070	r1,6·7-23=.053 b1,6·8-23=.056 b1,6·3-23=.044	-.017 +.003 -.012	spuriousness
r1,7=.094	r1,7·9-23=.103 b1,7·8-23=.122 b1,7·3-23=.120	+.009 +.019 -.002	direct effect
r1,9=.094	r1,9·13-23=.077 b1,9·10-23=.068 b1,9·3-23=.062	-.022 (-.015 block VIII) -.009 -.006	
r1,13=.053	r1,13·15-23=.040 b1,13·14-23=.079 b1,13·3-23=.080	-.013 +.039 +.001	masking direct effect
r1,14=.063	r1,14·15-23=.047 b1,14·13-23=.083 b1,14·3-23=.085	-.016 +.036 +.012	masking direct effect
r1,15=.087	r1,15·17-23=.103 b1,15·16-23=.108 b1,15·3-23=.092	+.015 +.005 -.016	masking direct effect
r1,16=.109	r1,16·17-23=.081 b1,16·15-23=.098 b1,16·3-23=.023	-.028 (-.029 via block IX) +.017 ^{**} -.075 ^{**} (-.018 block VI, -.034 block III)	mediation indirect effect
r1,19=.103	r1,19·20-23=.103 b1,19·17-23=.109 b1,19·3-23=.078	.000 +.006 -.031	
r1,21=.042	r1,21·20-23=.054 b1,21·3-23=.100	+.012 +.046 (+.036 block V)	masking direct effect

Levels of significance for reduction:

*** = p < .002

** = p < .02

* = p < .05

+ = p < .10

Table 5. Step-Wise Regression of Female Occupational Status Projection (OCC) on Independent Variables

Independent Variables	Zero Order r	Step-wise inclusion of blocks											
		X	IX	VIII	VII	VI	V	IV	III	II	I		
II	.089*	.088	.086	.079	.082	.063	.056	.042	.035	.040			
III	.083*	.079	.045	.034	.082	.037	.032	.030	-.006	-.009			
	.179***	.178	.169	.150	.148	.147	.148	.147	.154	.152***			
IV	.070+	.073	.072	.067	.072	.055	.053	.056	.055	.044			
V	.094*	.108	.107	.106	.109	.103	.122	.120	.122	.120***			
	-.008	-.011	-.012	-.009	-.003	-.029	-.066	-.067	-.058	-.059			
VI	.094*	.097	.089	.074	.077	.068	.071	.067	.065	.062			
	.004	.004	.002	.007	-.004	.001	-.007	.010	.010	.012			
	.036	.038	.038	.043	.040	.006	.011	.001	.001	-.003			
	.050	.052	.047	.047	.048	.017	.014	.004	-.002	-.006			
VII	.053	.051	.050	.040	.079	.082	.086	.087	.080	.080			
	.063+	.067	.048	.047	.083	.083	.087	.087	.085	.085*			
VIII	.087*	.096	.103	.108	.105	.105	.105	.105	.091	.092*			
	.109***	.110	.081	.098	.088	.070	.061	.061	.027	.023			
IX	.054	.054	.031	.026	.009	.004	.009	.005	.006	.007			
	-.016	-.015	.031	.035	.039	.038	.040	.038	.035	.033			
	.103***	.103	.109	.089	.082	.083	.031	.083	.078	.078			
X	-.009	.000	.014	.068	.061	.066	.067	.071	.067	.063			
	.042	.054	.051	.063	.064	.068	.104	.106	.102	.100*			
	-.009	-.028	-.012	-.010	-.013	-.015	-.019	-.018	-.013	-.010			
	-.007	-.009	.015	.045	.040	.036	.040	.040	.039	.041			

Partial correlation coefficients above diagonal; differences indicate spuriousness or masking. Standardized regression coefficients below diagonal; differences indicate mediation effect. Differences between adjacent r's and b's on the diagonal indicate interaction among variables in same block.

*** = p < .005
 ** = p > .006 < .01
 * = p > .02 < .05
 + = p > .06 < .10

Table 5a. Tests of Elaboration: Antecedents
of
Female Occupational Status Projection (OCC)

<u>TEST</u>		<u>REDUCTION</u>	<u>INTERPRETATION</u>
r1,3=.092	r1,3·4-23=.020	-.072* (-.044 via block VI)	spuriousness
r1,4=.176	r1,4·6-23=.090 b1,4·3-23=.058	-.086*** (-.052 via block IX) -.032 (via block III)	spuriousness interaction
r1,5=.288	r1,5·6-23=.172 b1,5·4-23=.171	-.064+ (-.036 via block IX) -.001	spuriousness direct effect
r1,6=.075	r1,6·7-23=-.007	-.082* (-.049 via block VI)	spuriousness
r1,8=.134	r1,8·9-23=.081 b1,8·7-23=.093	-.053+ (-.024 via block VI) +.012	direct effect
r1,9=.106	r1,9·13-23=.076 b1,9·10-23=.034	-.030 -.042 (via block VI)	interaction
r1,11=.111	r1,11·13-23=.108 b1,11·9-23=.083 b1,11·3-23=.082	-.003 -.025 -.001	direct effect
r1,12=.107	r1,12·13-23=.092 b1,12·9-23=.035	-.015 -.057+ (via block VI)	interaction
r1,13=.082	r1,13·15-23=.064 b1,13·14-23=.135 b1,13·3-23=.131	-.018 +.075* (via block VII) -.008	masking direct effect
r1,14=.097	r1,14·15-23=.083 b1,14·13-23=.146 b1,14·3-23=.131	-.014 +.063+ (via block VII) -.015	masking direct effect
r1,16=.160	r1,16·17-23=.106 b1,16·15-23=.131 b1,16·3-23=.068	-.054+ (-.047 via block IX) +.025 -.059+ (-.036 via block III)	spuriousness mediation indirect effect
r1,17=.136	r1,17·20-23=.133 b1,17·18-23=.090 b1,17·3-23=.026	-.003 -.043 via block IX -.064+ (-.022 block III)	interaction mediation indirect effect
r1,18=-.108	r1,18·20-23=.109 b1,18·17-23=-.045 b1,18·3-23=-.029	+.001 -.064+ (via block IX) -.016	interaction
r1,19=.137	r1,19·20-23=.132 b1,19·17-23=.104 b1,19·3-23=.012	-.005 -.028 -.092*** (-.082 via blocks III and VIII)	mediation indirect effect
r1,20=-.079	b1,20·21-23=-.082 b1,20·3-23=-.015	+.003 -.067* (-.040 via block VIII)	mediation indirect effect

Levels of significance for reduction

*** = p < .002

*** = p < .02

* = p < .05

+ = p < .10

Table 6. Step-Wise Regression of Male Educational Status Projection (ED) on Independent Variables

Independent Variables	Zero Order r	Step-wise inclusion of blocks									
		X	IX	VIII	VII	VI	V	IV	III	II	I
3 AC	.351**	.347	.338	.313	.315	.270	.266	.244	.237	.250**	
4 MED	.290**	.271	.210	.179	.175	.180	.180	.175	.160	.135**	
5 MOC	.212**	.200	.141	.114	.114	.110	.110	.114	.078	.089*	
6 SEL	.227**	.226	.215	.187	.186	.128	.112	.117	.110	.029	
7 FATK	.180**	.164	.160	.154	.155	.122	.121	.105	.103	.103**	
8 MOTK	.100**	.099	.084	.060	.060	.014	-.020	-.023	-.021	-.038	
9 COM	.105**	.101	.110	.080	.076	-.009	-.015	-.024	-.024	-.041	
10 PU	.008	.009	.018	.048	.046	.003	.005	.030	.030	.023	
11 DM	.150**	.147	.151	.162	.161	.090	.083	.070	.079	.044	
12 LV	.195**	.192	.193	.173	.175	.119	.107	.071	.065	.046	
13 CHA	.054	.055	.039	.040	.054	.057	.060	.057	.039	.053	
14 OUT	.050	.051	.022	.022	.046	.046	.050	.044	.032	.045	
15 FST	.035	-.011	.006	.011	.012	.014	.007	.011	.031	.004	
16 IQ	.283**	.271	.216	.254	.252	.240	.239	.227	.187	.159**	
17 ACV	.164**	.140	.066	.042	.035	.008	.009	.013	-.015	-.005	
18 ANO	-.119**	-.111	-.033	-.014	-.013	-.022	-.016	-.015	-.003	.004	
19 FBK	.230**	.202	.187	.126	.120	.133	.132	.127	.074	.070	
20 H0Z	-.047	-.054	-.033	-.016	-.017	-.004	-.007	-.005	.010	.010	
21 MOH	-.065+	-.045	-.035	-.029	-.030	-.041	-.008	-.007	.004	.010	
22 WEL	-.105**	-.084	-.047	-.042	-.042	-.040	-.037	-.042	-.037	-.040	
23 MOG	-.070+	-.068	-.020	-.028	-.031	-.022	-.021	-.022	-.021	-.006	

Partial correlation coefficients above diagonal; differences indicate spuriousness or masking. Standardized regression coefficients below diagonal; differences indicate mediation effect. Differences between adjacent r's and b's on the diagonal indicate interaction among variables in same block.

** = p < .005
 *** = p < .001
 * = p < .05
 + = p < .10

Table 6a. Tests of Elaboration: Antecedents
of
Male Educational Status Projection (ED)

<u>TEST</u>		<u>REDUCTION</u>	<u>INTERPRETATION</u>
r _{2,3} = .351	r _{2,3·4-23} = .237	-.114 ^{**} (-.045 via block VI)	spuriousness
	b _{2,3·4-23} = .260	+.023	direct effect
r _{2,4} = .290	r _{2,4·6-23} = .175	-.115 ^{**} (-.051 via block IX, .031 block VIII)	spuriousness
	b _{2,4·5-23} = .160	-.015	direct effect
	b _{2,4·3-23} = .135	-.025	
r _{2,5} = .212	r _{2,5·6-23} = .114	-.098 ^{**} (-.059 block IX, .027 block VIII)	spuriousness
	b _{2,5·4-23} = .078	-.036	direct effect
	b _{2,5·3-23} = .089	+.011	
r _{2,6} = .227	r _{2,6·7-23} = .112	-.114 ^{**} (-.028 block VIII, .058 block VI)	spuriousness
	b _{2,6·3-23} = .029	-.088 ^{**} (-.081 block II)	mediation indirect effect
r _{2,7} = .180	r _{2,7·9-23} = .122	-.058 ⁺ (-.033 block VI)	direct effect
	b _{2,7·8-23} = .121	-.001	
	b _{2,7·3-23} = .103	-.018	
r _{2,8} = .100	r _{2,8·9-23} = .014	-.086 ^{**} (-.046 block VI)	spuriousness
	b _{2,8·7-23} = -.020	-.034	
	b _{2,8·3-23} = -.038	-.018	
r _{2,9} = .105	r _{2,9·13-23} = .076	-.029 ₂	interaction
	b _{2,9·10-23} = .099	-.057 [*] (via block VI)	
	b _{2,9·2-23} = -.041	-.050	
r _{2,11} = .150	r _{2,11·13-23} = .161	+.011	interaction
	b _{2,11·9-23} = .090	-.071 [*] (via block VI)	
	b _{2,11·3-23} = .044		
r _{2,12} = .195	r _{2,12·13-23} = .175	-.020	interaction
	b _{2,12·9-23} = .119	-.051 (via block VI)	
	b _{2,12·3-23} = .046	-.065 ⁺ (-.036 block IV)	
r _{2,16} = .283	r _{2,16·17-23} = .216	-.067 [*] (-.045 block IX)	spuriousness
	b _{2,16·15-23} = .250	+.035 (block VIII)	interaction
	b _{2,16·3-23} = .159	-.091 (-.040 block III, -.028)	mediation, indirect effect, direct effect

(Continued)

(Table 6a. Continued)

$r_{2,17}=.164$	$r_{2,17 \cdot 20-23}=.140$	$-.024$	
	$b_{2,17 \cdot 18-23}=.066$	$-.074^{**}$ (block IX)	interaction
	$b_{2,17 \cdot 3-23}=-.005$	$-.071^{**}$ ($-.028$ VI, $-.028$ block III)	mediation indirect effect
$r_{2,18}=-.119$	$r_{2,18 \cdot 20-23}=-.111$	$-.008^{**}$	
	$b_{2,18 \cdot 17-23}=-.033$	$-.078^{**}$ (block IX)	interaction
	$b_{2,18 \cdot 3-23}=.004$	$+.037$	
$r_{2,19}=.230$	$r_{2,19 \cdot 20-23}=.202$	$-.028$	
	$b_{2,19 \cdot 17-23}=.187$	$-.015$	
	$b_{2,19 \cdot 3-23}=.070$	$-.117^{***}$ ($-.061$, block VIII, $-.053$, block III)	mediation indirect effect
$r_{2,21}=-.065$	$r_{2,21 \cdot 20-23}=-.045$	$-.020$	
	$b_{2,21 \cdot 3-23}=.010$	$+.050$	interaction
$r_{2,22}=-.105$	$r_{2,23 \cdot 20-23}=-.084$	$-.021$	
	$b_{2,23 \cdot 3-23}=-.040$	$-.044$ ($-.037$ block IX)	interaction mediation
$r_{2,23}=-.070$	$r_{2,23 \cdot 20-22}=-.068$	$-.002$	
	$b_{2,23 \cdot 2-23}=-.006$	$-.064^{+}$ ($-.048$ via block IX)	mediation

Levels of significance for reduction:

*** = $p < .002$ ** = $p < .02$ * = $p < .05$ + = $p < .10$

Table 7. Step-Wise Regression of Female Educational Status Projection (ED) on Independent Variables

Independent Variables	Zero Order r	Step-wise inclusion of blocks													
		X	IX	VIII	VII	VI	V	IV	III	II	I				
3 AC	.198 ***	.196	.201	.187	.187	.160	.157	.132	.117	.127 ***					
4 MED	.302 ***	.274	.204	.190	.192	.199	.196	.194	.187	.179 ***					
5 MOC	.147 ***	.136	.114	.090	.091	.089	.092	.091	.046	.042					
6 SEL	.162 ***	.152	.154	.152	.151	.110	.109	.112	.105	.070 +					
7 FATK	.045	.047	.046	.044	.044	.041	.032	.029	.019	.011					
8 MOTK	.053	.041	.042	.052	.052	.032	.020	.017	.012	.010					
9 COM	.147 ***	.142	.125	.099	.098	.077	.074	.067	.077	.067 +					
10 PU	-.098 ***	-.093	-.099	-.094	-.094	-.096	-.099	-.067	-.065	-.059					
11 DM	.037	.047	.046	.050	.048	.042	.042	.021	.032	.019					
12 LV	.086 *	.080	.067	.058	.057	-.006	-.015	-.035	-.038	-.054					
13 CHA	-.011	-.005	-.015	-.024	-.020	-.006	-.005	-.002	-.015	-.015					
14 OUT	.077 *	.075	.021	.016	.006	.017	.018	.019	.017	.019					
15 FST	.029	-.048	-.033	-.039	-.038	-.040	-.041	-.046	-.051	-.050					
16 IQ	.248 ***	.224	.149	.183	.184	.160	.162	.161	.123	.112 ***					
17 ACV	.198 ***	.169	.082	.054	.056	.049	.049	.040	.031	.036					
18 ANO	-.136 ***	-.116	-.011	-.009	-.009	-.006	-.000	-.011	-.016	.022					
19 FBK	.277 ***	.246	.227	.184	.182	.186	.185	.188	.127	.129 ***					
20 HOZ	-.140 ***	-.147	-.110	-.111	-.108	-.097	-.095	-.088	-.078	-.090 *					
21 NOH	.034	.049	.045	.045	.047	.052	.053	.064	.048	.040					
22 WEL	-.065 +	-.076	-.031	-.025	-.026	-.030	-.029	-.026	-.011	-.003					
23 MOG	.086 *	.088	.030	.043	.043	.054	.053	.053	.048	.040					

Partial correlation coefficients above diagonal; differences indicate spuriousness or masking. Standardized regression coefficients below diagonal; differences indicate mediation effort. Differences between adjacent r's and b's on the diagonal indicate interaction among variables in same block

~~***~~ = p < .005
~~**~~ = p > .006 < .01
~~*~~ = p > .02 < .05
~~+~~ = p > .06 < .10

Table 7a. Tests of Elaboration: Antecedents
of
Female Educational Status Projection (ED)

	<u>TEST</u>	<u>REDUCTION</u>	<u>INTERPRETATION</u>
r _{2,3} = .198	r _{2,3·4-23} = .117	-.082 ^{**} (-.027 block VI, -.025 IV)	spuriousness
	ba _{3·4-23} = .127	+.010	direct effect
r _{2,4} = .302	r _{2,4·6-23} = .194	-.108 ^{**} (-.028, block X, -.070 block IX)	spuriousness
	b _{2,4·5-23} = .187	-.007	direct effect
	b _{2,4·3-23} = .179	-.008	
r _{2,5} = .147	r _{2,5·6-23} = .091	-.056 ⁺ (-.022 block IX, -.024 block VIII)	spuriousness
	b _{2,5·4-23} = .046	-.045 (block III)	interaction
	b _{2,5·3-32} = .042	-.002	
r _{2,6} = .162	r _{2,6·7-23} = .109	-.053 ⁺ (-.041 block VI)	spuriousness
	b _{2,6·7-23} = .112		mediation indirect effect
	b _{2,6·3-32} = .070	-.042 (-.035 block II)	
r _{2,9} = .147	r _{2,9·13-23} = .098	-.049	direct effect
	b _{2,9·10-23} = .077	-.021	
	b _{2,9·3-23} = .067	-.010	
r _{2,10} = -.098	r _{2,10·13-23} = -.094	-.004	mediation indirect effect
	b _{2,10·9-23} = -.096	+.002	
	b _{2,10·3-23} = -.059	-.037 (-.032 block IV)	
r _{2,12} = .086	r _{2,12·13-23} = .057	-.029	interaction
	b _{2,12·9-23} = -.006	-.063 ⁺ (block VI)	
	b _{2,12·3-23} = -.054	-.048 (-.020 block V)	
r _{2,14} = .077	r _{2,14·15-23} = .016	-.061 ⁺ (-.054 block IX)	spuriousness
	b _{2,14·13-23} = .006	-.010	
	b _{2,14·3-23} = .019	+.013	
r _{2,16} = .248	r _{2,16·17-23} = .149	-.099 ^{**} (-.075 block IX)	spuriousness
	b _{2,16·15-23} = .183	+.032 ^{**}	interaction
	b _{2,16·3-23} = .112	-.072 (-.024 block VI, -.038 block III)	
r _{2,17} = .198	r _{2,17·20-23} = .169	-.029	interaction mediation indirect effect
	b _{2,17·18-23} = .082	-.087 ^{**}	
	b _{2,17·3-32} = .036	-.046 (-.028 block VIII)	

(Continued)

(Table 7a. Continued)

r ² ,18=.136	r ² ,18·20-23=-.116	-.020	
	b ₂ ,18·17-23=-.001	-.105 ^{**}	
	b ₂ ,18·3-23=-.022	+.011	interaction
r ² ,19=.277	r ² ,19·20-23=.246	-.031	
	b ₂ ,19·17-23=.227	-.019	
	b ₂ ,19·3-23=.129	-.098 ^{**}	(-.043 block VIII, -.061 block III)
			mediation indirect effect
r ² ,20=-.140	b ₂ ,20·21-23=-.147	+.007	
	b ₂ ,20·3-23=-.090	-.057 ⁺	(-.037 block IX)
			mediation indirect effect direct effect
r ² ,22=-.065	b ₂ ,22·20-23=-.076	+.011	
	b ₂ ,22·3-23=-.003	-.073 [*]	(-.045 block IX)
			mediation indirect effect
r ² ,23=-.086	b ₂ ,22·20-22=-.088	+.002	
	b ₂ ,22·3-23=-.040	-.044	(-.044 (-.058 ⁺ block IX)
			mediation indirect effect

Level of significance for reduction:

*** = p < .002

** = p < .02

* = p < .05

+ = p < .10

Table 8.
Summary of Significant Antecedents
of
Occupational (OCC) and Educational (ED)
Status Projections

<u>OCC</u>	<u>Males</u>		<u>Females</u>	
	<u>direct effects</u>	<u>indirect effects</u>	<u>direct effects</u>	<u>indirect effects</u>
	MOC	IQ via MOC	MOC	IQ via MOC, COM
	MOTK	ACV via MOC	FATK	
	CHA	FBK via MOC, IQ	CHA	
	OUT	HOZ via FST	OUT	
	DM		FST	
			NOH	
<u>ED</u>				
	AC	SEL via AC	AC	SEL via AC
	MED	IQ via MED	MED	PU via SEL
	MOC	ACV via MED, DM	COM	IQ via MED, COM
	FATK	FBK via COM, LV, MED		
	IQ	HOZ via FBK	IQ	ACV via IQ
			FBK	FBK via IQ, MED
				HOZ via FBK, ACV, ANO
				WEL via FBK, ANO, ACV
				MOG via FBK, ACV

Table 9. Standardized Regression Coefficients for Males

Dependent Variables	Independent Variables											
	2 ED	3 AC	4 MED	5 MOC	6 SEL	7 FATK	8 MOTK	9 COM	10 PU	11 DM	12 LV	
1 OCC	(15*)	02	06	17*	-01	-04	09+	03	-02	08	02	
2 ED		26*	14*	09+	03	10*	-04	-04	02	04	05	
3 AC			10+	-04	31*	00	06	07	03	13*	07	
4 MED				(23*)	06	01	-02	-01	03	-06	02	
5 MOC					-03	01	02	01	-07	02	03	
6 SEL						14*	02	08+	-21*	11+	31*	
7 FATK							(28*)	06	00	06	13*	
8 MOTK								09+	07	01	20*	
9 COM									(04)	(33*)	(41*)	
10 PU										(36*)	(06)	
11 DM											(52*)	
12 LV												
13 CHA												
14 OUT												
15 FST												
16 IQ												
17 ACV												
18 ANO												
19 FBK												

Partial correlation coefficients in parentheses.

* = $p < .005$

+ = $p > .006 < .05$

Table 9. Continued

Dependent Variables	Independent Variables												
	13 CHA	14 OUT	15 FST	16 IQ	17 ACV	18 ANO	19 FBK	20 HOZ	21 NOH	22 WEL	23 MOG		
1 OCC	13*	13*	06	07	03	-03	01	-02	00	-00	06		
2 ED	05	05	00	16*	-01	00	07	01	01	-04	-01		
3 AC	-05	-05	-01	11+	-04	-03	01	00	-02	01	-06		
4 MED	12*	05	04	18*	14+	-07	23*	-10+	-05	-03	00		
5 MOC	-00	04	05	14*	08	-02	22*	01	-03	-00	-03		
6 SEL	03	05	-04	10+	-03	-00	05	-01	-00	04	01		
7 FATK	-02	-04	08	03	-00	-05	01	03	-27*	-01	-01		
8 MOTK	01	-00	08+	11+	03	-01	04	01	-00	06	-00		
9 COM	04	11+	-01	19+	04	00	-15*	-18*	-03	05	-06		
10 PU	02	07	03	-17*	-03	-03	01	07	08	-04	-05		
11 DM	02	03	02	-04	09+	02	-04	-07	07	-02	-07		
12 LV	-04	-01	-04	16*	15*	06	-09	-08	02	-01	-03		
13 CHA	(-49*)	(-49*)	-00	04*	17*	08	01	01	01	-01	09+		
14 OUT			-03	00	-03	-11+	12+	03	03	02	-03		
15 FST				(-02)	-09	02	-01	-45*	-05	-04	-28*		
16 IQ					09+	-08+	24*	-05	-02	-02	04		
17 ACV						(-52*)	(37*)	-02	-01	-16*	-12+		
18 ANO							(-28*)	00	07	02	05		
19 FBK								-11*	-04	-14*	-20+		

Partial correlation coefficients in parentheses.

* = $p < .005$ + = $p > .006 < .05$

Table 10. Standardized Regression Coefficients for Females

Dependent Variables	Independent Variables										
	2 ED	3 AC	4 MED	5 MOC	6 SEL	7 FATK	8 MOTK	9 COM	10 PU	11 DM	12 LV
1 OCC	(17*)	04	-01	15*	04	12*	-06	06	01	-00	-01
2 ED		13+	18+	04	07	01	01	07	-06	02	-05
3 AC			06	03	28*	07	02	08+	-05	10+	12*
4 MED				(25*)	03	05	04	-06	-01	-06	01
5 MOC					01	-01	-06	01	-01	-00	04
6 SEL						03	03	06	-29*	19*	18*
7 FATK							(30*)	03	06	-02	14*
8 MOTK								10+	02	03	22*
9 COM									(-05)	(35*)	(39*)
10 PU										(21*)	(-06)
11 DM											(56*)
12 LV											
13 CHA											
14 OUT											
15 FST											
16 IQ											
17 ACV											
18 ANO											
19 F8K											

Partial correlation coefficients in parentheses.

* = $p < .005$

+ = $p > .006 < .05$

Table 10. Continued

Dependent Variables	Independent Variables												
	13 CHA	14 OUT	15 FST	16 IQ	17 ACV	18 ANO	19 FBK	20 HOZ	21 NOH	22 WEL	23 MOG		
1 OCC	08	09+	09+	02	01	03	08	06	10+	-01	04		
2 ED	-01	02	-05	11+	04	-02	13*	-09+	04	-00	-04		
3 AC	-00	-02	-02	09+	-04	04	-02	09+	06	-06	-06		
4 MED	05	01	01	15*	05	02	32*	-06	08	-07	-03		
5 MOC	05	02	08	23*	-00	02	05	02	03	04	00		
6 SEL	-03	-01	04	01	08	04	-03	-06	-04	-02	00		
7 FATK	-03	-04	02	01	-02	01	03	-02	-26*	00	-04		
8 MOTK	-00	-02	03	-11+	05	05	00	-03	07	-05	-02		
9 COM	-03	-02	01	25*	07	01	-02	-05	-05	01	06		
10 PU	12+	13*	-02	-07	01	05	01	09+	01	-00	-09+		
11 DM	-01	08+	-03	-04	06	03	-02	02	-03	08	-04		
12 LV	-06	04	-04	07	01	-02	02	-07	-05	04	-02		
13 CHA		(-47*)	04	09	11+	-01	-06	11+	08	-02	02		
14 OUT			-01	04	11+	-04	14*	-03	-08	06	04		
15 FST				(03)	12+	-01	-04	08+	07	-03	01		
16 IQ					13*	-02	23*	-09+	-02	-03	01		
17 ACV						(-54*)	(42*)	-11*	-02	-10+	-14*		
18 ANO							(-31*)	08+	03	12*	06		
19 FBK								-12*	02	-16*	-20*		

Partial correlation coefficients in parentheses.

* = $p < .005$

+ = $p > .006 < .05$

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