THE SOCIAL AND PSYCHOLOGICAL DETERMINANTS OF ADOLESCENT SEXUAL BEHAVIOR

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ABSTRACT

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While many have speculated about the relationship of adolescent sexual activity to social and psychological phenomena, little has been done empirically to justify postulated relationships. The purpose of this study was to examine sexual behavior of 2,164 adolescents from a middle class community in Western Michigan as it relates to the development of the individual within the contexts of the family and the community. Both bivariate and multivariate levels of analysis were used to examine the relationship between sexual activity and family structure, dating, bonding, stress, and nonconformity.

The main findings of the study were: (1) Bivariate analysis demonstrated that with most variables of family structure, bonding, stress, and nonconformity significant relationships emerged; (2) Multiple regression analysis showed that dating, nonconforming behavior, and the interaction of stress and nonconforming behavior proved to be the

most significant predictor variables; (3) Discriminant analysis demonstrated that dating was the most powerful discriminating variable and nonconformity and the interaction of stress and nonconformity were the next most powerful discriminators.

The finding that dating and nonconforming behavior are the two variables that emerged in this study as the ones that are most strongly related to sexual activity is consistent with previous findings to be found in marriage, family, and sociological literature. Nonconforming behavior represents the strongest predictive variable while dating is the strongest discriminating variable. Each in turn are significant predictors and discriminators of sexual activity. The use of dating as an explanatory factor of sexual behavior as compared with nonconforming behavior has received inconsistent attention over the years, even though the two are closely related. It can be noted that most of the literature dealing with adolescent sexuality either labels sexual behavior as nonconforming or associates sexual behavior with delinquent behavior. This study found that, in addition to nonconforming behavior, the dating variable is also of importance in explaining sexual activity.

To a lesser degree the bonding and stress variables also demonstrate association with sexual activity. Bonding is more often predictive of male sexual activity, while stress is a more powerful predictor of female sexual

activity. Overall, stress is a more powerful discriminator of both male and female sexual behavior. Thus the usefulness of these variables depends on whether one is attempting to predict sexual activity or attempting to discriminate between levels of sexual activity.

The least predictive variables as a group are those comprising family structure. The use of these variables does help, however, to clarify the nature of the relationship by taking into account the effects of social class, religious preference, sibling positioning, and aspirations toward marriage.

From this research we find that we can differentiate between three distinct levels or groups: (1) low sexually active group--those adolescents who are strongly tied to family and community; (2) average sexually active group--those adolescents who are involved in petting and are having infrequent intercourse with one partner; (3) high sexually active group--those having frequent intercourse and with one or more partners.

A variety of methodological problems were encountered throughout the study which will eventually need to be addressed more fully in future research on sexual activity. They are: (1) In bivariate analysis the colinearity between variables is not taken into account; (2) In multivariate analysis the use of an ordered metric variable in place of a truly interval level variable is a questionable practice;

(3) How an eight item index on sexual behavior is scored has conceptual and empirical implications.

The methods employed in this study have demonstrated that the prediction and discrimination of sexual activity is possible among adolescents through a survey type of methodology.

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CHAPTER I

THE PROBLEM

Introduction

In the United States, the nuclear family is the primary setting for the procreation and rearing of children. As such, the family has an important role in the sexual socialization of individuals. It is here that the basic foundations for later sexual activity are laid. Freud (1905) observed that among the first sexual feelings a youth encounters are those of incest and fantasy. The directing of sexual impulses on object choices outside the family is not only a developmental task of the individual, but also a social task of the family.[1]

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[1]Murdock (1949) considers the control of sexual behavior and reproduction as two of the four basic functions of the family. Even though customs, attitudes, and behaviors change and vary (Ford and Beach, 1951; Marshall and Suggs, 1971; Mead, 1928, 1935, 1949; Zern, 1969), there still remains a concern on the part of most North American parents as to when sexual behavior should begin for their children and when adolescent sexual behavior is at variance to "normal" sexual development. Reviews of developmental sexuality have been presented by Broderick and Bernard (1970), Rutter (1971), Simon and Gagnon (1971), and Spitz and Schumacher (1971) and from these scholars' ideas a better understanding and conceptualization of the nature of human sexual development has evolved.

All societies establish rules of conduct to govern sexual behavior; the variance in those rules, however, is so great between cultures that one sexual code to govern all people is not evident. The same may also be true within a particular culture. Minturn et al. (1969) state that the cultural patterning of sexual beliefs and behavior affects all societies and the amount of that variation in types and frequency of sexual behavior may be greater for sexuality than any other human drive. Davis (1940) points out that parents and children, because they are at different stages in the process of psychosocial development and in different roles in the parent-child relationship cycle, have an ongoing conflict between adult realism and youthful idealism. The sexual tensions experienced by the adolescent and the value stance taken by adults create a conflict of interest for each group. Davis (1940:534) explains:

> The parent with respect to the child's behavior, represents morality, while the offspring reflects morality <u>plus</u> his organic cravings. The stage is thereby set for conflict, evasion, and deceit. For the mass of parents, toleration is never possible. For the mass of adolescents, sublimation is never sufficient. Given our system of morality, conflict seems well nigh inevitable.

More often sexual behavior is dealt with in silence rather than openly. In this vein, we know less about the adolescent who is sexually overconforming to adult normative standards regarding sexual expression than we do about the sexually experienced adolescent. Cavan (1962:20) argues that overconforming youth in one respect may be regarded as

"saintly" and are frequently ostracized by other adolescents because of this very "goodness." A better understanding of such phenomena may lead to an enhanced understanding of sexual development in adolescence.

Research on Adolescent Sexuality

Research on adolescent sexual behavior has for the most part been a numbers game of recording how many times an adolescent engages in a particular sexual activity. There is little research which examines the relationship of adolescent heterosexual activity to other familial, physical, social, or psychosocial dimensions. Notable exceptions are Lewis (1973), Jessor and Jessor (1975), and Schofield (1965). During the sixties, increased attention was given to the assessment of heterosexual behavior, expecially at the college level, since these samples were most often easily accessible to the researcher (Cannon and Long, 1970). Late in the sixties researchers debated whether heterosexual intercourse was becoming more frequent and at earlier ages, or if the same behavioral patterns established in the forties were being maintained. Conclusive answers regarding coital changes were not achieved during the sixties because the research methodologies employed were often insufficient and the samples drawn were often limited. It was generally acknowledged that attitudes regarding sexual intercourse before marriage had become more liberal; however, there were amazingly little data to support this often made

observation (Croake, 1972; Harrison et al., 1969; Offer, 1971; Reiss, 1960, 1964, 1966, 1970, 1973; Udry et al., 1975). During the first half of the seventies, more definitive research indicated that adolescents were actually engaging in higher levels of sexual activity, i.e. more petting and coitus, at earlier ages (Kantner and Zelnick, 1972; Sorenson, 1973; Vener et al., 1972; Vener and Stewart, 1974). Methodological shortcomings of the past were obviated by more reliable instruments, better samples, and more extensive analysis (Bell and Chaskes, 1970; Christensen and Gregg, 1970; Collins, 1973; Jessor and Jessor, 1975; Kantner and Zelnick, 1972; Sorenson, 1973; Vener et al., 1972; Vener and Stewart, 1974).

At the turn of the century, Freud (1906) presented his perspective of psychosexual development and the importance of the role the family plays in an individual's heterosexual behavior. Hall (1966) thinks that impulse disorders need to be determined by identification conflicts and a redefinition of premarital sexual relationships underlie the coping mechanisms for adolescent sexuality. Gadpaille (1975; 1976) thinks that much of what is regarded as normal adolescent sexuality among middle class American youth is actually psychologically delayed childhood. Bieber (1972) has postulated the effects of parental interaction regarding homosexual behavior, and Fisher (1972) has examined female orgasmic experiences in relation to the father. Many

questions still remain regarding the role and interaction of parents in the social-sexual development of their children. New structural groups as those studied by Constantine and Constantine (1972) will be influential in comparing how psychosexual development is affected by traditional and non-traditional structural groupings in American Society.

Scope and Purpose of the Study

The purpose of this study is to examine sexual behavior as it relates to the development of the individual within the contexts of the family and the community. A descriptive analysis of adolescent sexual behavior in relation to age, dating, family structure, bonding, stress, and nonconforming behavior will provide one level of analysis regarding the relationship of these variables to sexual behavior. From this analysis we will proceed to build predictive and discriminating equations for adolescent sexual behavior. Specific hypotheses will be formulated and tested. A major focus of this study will be to evaluate the relative impact that dating, nonconforming behavior, stress, and social bonding have on the prediction and discrimination of sexual behavior among adolescents.

Previous studies have typically examined only one or two variables at a time in explaining adolescent sexual behavior. The present study will examine the primary variables in a bivariate and a multivariate context in order to assess the individual contribution of each variable and the combined effects of multiple variables.

In this study, it is assumed that sexual behavior is affected by (1) familial structure; (2) familial bonds; (3) perception of institutional officials such as police and teachers; (4) participation in the underconforming peer culture; (5) stress; (6) self-regard; (7) social class; (8) gender; (9) religious beliefs; and (10) college orientation.

Contributions and Implications

Four contributions, that is, the unique, theoretical, empirical, and practical, are seen as being made by this study.

Unique

The unique contribution of the author in this secondary analysis is the conceptualization of the entire data set as to how it relates to adolescent sexual behavior and the use of a multivariate approach to the study of sexual behavior.

Theoretical

Theoretical contributions include (1) the formulation of a model to understand adolescent sexual behavior; (2) possible alternative explanations for adolescent sexual activity beyond the stress/delinquent formulations; (3) laying the groundwork for future sex researchers as to what variables are predictive of sexual behavior.

Empirical

Empirical contributions are: (1) greater understanding of behaviors associated with sexual activity; (2)

an empirical examiniation of the sexually unexperienced adolescent.

Practical

The practical contributions of this study are threefold: (1) added information to the scientific study of human sexuality during adolescence; (2) additional information for counselors, parents, social workers, teachers, and others working with adolescents; (3) information which can contribute to eradication of myths surrounding adolescent sexual behavior.

Implications

The implications of this study may involve (1) the further exploration of parent-child interaction and its effects on the heterosocial development of individuals; (2) changes in the legal structure, involving the rights of the adolescent and the unmarried regarding sexual behaviors; (3) the impetus for others to carry on and build cumulatively and cooperatively a greater understanding of the sexual nature of human beings.

Summary

This study was undertaken in order to gain a greater understanding of adolescent sexual behavior. The sexual behavior of adolescents will be examined with bivariate and multivariate statistics in order to assess the independent and combined contribution of the variables.

This research departs somewhat from previous

efforts to examine adolescent heterosexual activity in that it will devote attention to both the sexually inactive and the sexually active adolescent. Furthermore, the task of interrelating a large number of primary variables in a multivariate context has not been successfully completed by any researcher of whom the author is aware.

Overview of Thesis

Chapter I outlines the problem of developing a more extensive theoretical and empirical base for looking at heterosexual behavior, and introduces the primary variables.

Chapter II reviews the substantive literature on heterosexual behavior as related to adolescents and relates hypotheses to specific areas.

Chapter III presents the methodology, the design of the study, the sample, the operational definitions of the measures, the measures themselves, and the method of scoring the individual measures, as well as the composite scoring for the primary variables. The proposed analysis of the data, using bivariate and multivariate procedures will be discussed.

Chapter IV presents the analysis of the data and in Chapter V a discussion of the results, a summary, and a conclusion, with implications for future studies of adolescent sexual behavior are presented.

CHAPTER II

REVIEW OF LITERATURE AND HYPOTHESES DEVELOPMENT

Introduction

This chapter will review the literature on adolescent sexual behavior in relation to the major variables used in this study and will formulate the hypotheses to be investigated. Each section is arranged around major themes with hypotheses preceding and following appropriate sections.

Adolescence is a stage of life when the biological, motivational, individualistic, cultural, and social processes intermix in order to propel the individual toward sexual activity. A plethora of theories are available to describe these phenomena. At this point it would serve the reader to distinguish what is meant by puberty and adolescence in this paper. Puberty is meant here to be linked to biological maturation which culminates in an adult body with the ability to reproduce self. Adolescence is the individual and social response to puberty. In these contexts puberty is a universal biological characteristic of human beings, and adolescence is the individual and cultural response to

developing humans. For each culture, ritual and symbolism are developed around the maturing individual.

Gaining sexual ability is a complicated biological process; however, gaining an ability to deal with the psychological social emotional aspects of one's sexual maturity is a learning process which most often begins in adolescence and continues throughout one's life. Learning to love, and to be intimate is sharing a new psychosocial event which in many instances goes contrary to the egocentric, narcissistic behavior of the past. Adolescence is a time when social and peer influences begin to exert influence on the adolescent genitally.

Research on Adolescent Sexual Behavior

In reviewing the studies on adolescent sexual behavior, it is apparent that few attempts have been made to interrelate the sexual behavior of adolescents in a multivariate model to adolescent perceptions, feelings, and behavior. Few, if any, causal sequences have been established in the literature. The major research on adolescent sexual behavior consists of work by seven research teams: Jessor and Jessor, (1975); Kinsey et al., (1948, 1953); Miller and Simon, (1973); Schofield, (1965); Sorensen, (1973); Vener et al., (1972); Vener and Stewart, (1974); and Zelnick and Kantner, (1972a, 1972b). The only researchers to look comparatively at adolescent sexual behavior with the same population are Vener et al., (1972), Vener and Stewart (1974)

and Jessor and Jessor (1975).[1]

The sexual research literature which has developed testable propositions has mostly been done with college students, ages nineteen through twenty-three, while the sexual research literature on the twelve through eighteen-year-old age group is quite limited with respect to development and testing of hypotheses. With this in mind, two qualifications need to be mentioned regarding the literature review: (1) little of the data reporting sexual activity levels are from studies on adolescent sexual behavior, and (2) the paucity of data extant does not develop a corresponding theory to predict or explain the behavior. Data reporting on the impact of reference groups, permissiveness, and liberality on sexual adjustment are primarily from college samples.

If sexual behavior is increasing and starting at earlier ages (Jessor and Jessor, 1975; Miller and Simon, 1973; Sorensen, 1973; Vener and Stewart, 1974), the traditional socialization forces will possibly be in conflict with peer subcultures, thus adding confusion for adolescents as to what decisions to make regarding their own sexual

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[1]Other studies and critiques on adolescent sexual behavior reporting behavioral data are included when appropriate for historical and baseline reasons (Achilles, 1923; Asayama, 1975; Broderick, 1966a, 1966b; Finkel and Finkel, 1975; Geise and Schmidt, 1968; Golbetti and Harrison, 1970; Hamilton, 1929; Hughs, 1926; Lester, 1970; Lewis, 1975; Offer et al., 1970; Ramsey, 1943; Schmidt et al., 1972; Time, 1972; Wagner et al., 1973; Willoughby, 1937; Wolman, 1951).

lives. Reiss (1967:174) points to this parent-child conflict when stating:

> The conflict between the family and the courtship systems illustrates the ways in which "deviant" sexual behavior (coital behavior) may be promoted by the very people who define it as deviant.

Reiss (1967:166) further states that two determinants of premarital sexual permissiveness are the courtship system and the family. The same may also be true of sexual behavior. For Schofield (1965), the predominant characteristics of his sexually active sample were high ethnocentrism to the peer group and low restrictiveness from the home; that is, a high value is placed on the peer group and a low value on parental restraint. The role position of the adolescent encourages sexual freedom, whereas the role position of the parent encourages low levels of sexual activity.

Family and Structural Variables

Introduction

The structure of the family and its effect on individuals has been conceptualized in many different ways by various scholars and clinicians. Family structure is comprised of the family's social class, religion, father's occupation, the number of children and their ordinal positions, and the number of parents in the home. While family structure variables have had some use in the sex researcher's study of adolescent sexual behavior to date, such a practice would appear potentially fruitful in light of

various reports in the research literature citing family structure as an important variable in adolescent mental health (Westly, 1958) and delinquency (Browning, 1960). Since confusion existing during adolescence is normally centered around sexual identity (as well as vocational choice making, separation, and self-identity) and this often takes place within the family structure, a consideration of family structure variables in the study of adolescent heterosexual behavior is warranted. The variables of dating and school preferences are included in this review section, but are not seen as being a part of family structure.

Social Class

H_1: There is a negative relationship between sexual[2] activity and social class.[3]

The influence of social class on adolescent sexual behavior has not yielded conclusive propositions from empirical investigations to date; however, there is some evidence which, although contradictory, may be built upon.

The impact of social class and home background on sexual behavior was examined by Schofield (1965:143). While there were no significant associations between these variables within the sample taken as a whole, Schofield (1965: 141) reported that females from higher social classes were

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[2]All references to "sexual activity" mean heterosexual behavior.

[3]Hypotheses are presented at the beginning of each relevant literature review area and in the summary at the end of each section.

more likely to be sexually active, significant at the .02 level, than their lower class counterparts.

On the other hand, a number of researchers have reported a relationship between social class and sexual behavior in a direction opposite to that reported by Schofield. If we consider educational level as an indicator of social class, assuming that children attain an educational level similar to or slightly higher than that of their parents, the report by Kinsey et al. (1953) indicates that higher social class (as evidenced by higher educational level) is associated with less premarital coitus between the ages of 16 and 20 than lower social class (Kinsey et al., 1953:331). Females with a grade school education reported a 38 per cent incidence of premarital coitus by age 20, while between 17 and 19 per cent of females in college reported the same behavior. For males, the respective incidences are 85 per cent for high school level and 42 per cent for college.

Reiss (1965a; 1966) also found no relationship between social class and sexual permissiveness.[4] In follow-up studies of Reiss (1967) by Staples (1971), Maranell et al. (1970), and Middendorf et al. (1970), Reiss' (1965a:750) hypothesis that "among conservative people those of higher

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[4]Studies using sexual permissiveness (attitudes toward sexual activities) will also be reviewed. No assumptions are made here regarding the influence of attitudes on behavior and vice versa. The intention is to use the sexual permissiveness literature as an indication that the relationship may be useful in the analysis of behavioral data.

status would be less permissive than those of lower status, while among more liberal individuals the relationship would be in the opposite direction" was tested. The hypothesis overall was not supported by the data.

Based then on the work primarily of Kinsey et al. (1948; 1953) the negative relationship between social class and sexual activity is postulated.

Religion

H_2: No relationship exists between heterosexual activity and having a specific religious preference.

H_3: There is a positive relationship between sexual activity and having no religious preference.

The impact of religion on adolescent development carries over into the decision making of an adolescent regarding sexual behavior. Since the three religious denominations reported on in this investigation (Catholic, Jewish, and Protestant) subscribe to the standard of virginity before marriage, we would not expect any significant differences between the incidence of sexual intercourse due to religious denomination. However, when examining levels of sexual conformity one might expect differences to emerge due to the intensity with which the religous denomination prohibits sexual activity. In this instance one might expect Catholics as a group to be more over-conforming than Protestants and Jews, and people with no religious preference to be the least over-conforming because of the social pressures exerted by the major denominations to be sexually abstinent before marriage.

Schofield (1965:148-149) found few differences in sexual activity between adolescents from different religious denominations. Twenty-two per cent of the males and forty-five per cent of the females studied cited moral and/or religious considerations as reasons for their sexual abstinence (Schofield, 1965:129), with religion having much less impact on their sexual decision making.

Ehrmann (1964) does not think that religious affiliation is related to premarital sexuality but that the degree of religiosity is related; this concept will be dealt with under religiosity. Given the lack of evidence supporting any relationship between premarital coitus and religion, a directional prediction will not be made in relation to a specific denomination. Differences though are expected to emerge when specific religious denominations are compared with those who state that they have no specific religious preference.

Family Size

H_4: There is a positive relationship between sexual activity and being a member of a large family.

Straus and Libby (1965:55) have noted that two assumptions can be made regarding family size: (1) the number of siblings in a family affects the nature of the interaction within that family and (2) differences in the interactional environment of the child should result in differences in the personality of children reared in large, medium, and small families. Thus, the addition of another

sibling to the family results in a more varied social experience while differences in child-rearing practices over the family cycle result in differential levels of socialization (Mac Donald, 1967; 1969). Bossard and Boll (1954; 1956) have noted the negative relationship between adjustment and family size with numerous other researchers both confirming and not confirming their hypotheses (Damin, 1949; Elder, 1962; Hawkes et al., 1958; Henry, 1957; Majoribanks and Walberg, 1975a, 1975b; Reddy, 1967; Smart, 1963; Swanson et al., 1972). Literature relating family size to sexual behavior is almost non-existent. However, given the possible loss of attention given by parents to children from large families, which may result in a form of social and affectional deprivation, we would expect adolescents from these families to seek affection outside the home. Therefore, we postulate that coming from a large family will be positively related to sexual activity.

Sex of Siblings

H_5: Adolescents from same sex families differ in their sexual activity from those in cross-sex families.

The influence of brothers and sisters on sex role behavior was investigated by Leventhal (1970) who tested the hypothesis that younger children tend to imitate older siblings in two child families. Possible explanations for this behavioral difference are (1) the younger male with an older brother may try to behave differently in order to be recognized, and (2) following an early period of identification

with an older sister, a younger male may act differently in order to avoid disapproval from parents and peers.

Schmuck (1963) found that girls with a sister have a higher tendency to defy than girls with a brother, who have a higher tendency to conform. This finding indirectly supported the Parsons and Bales (1955) theory that girls with a sister will develop more masculine characteristics and the tendency to defy. Brittain (1966) followed Schmuck's reasoning and found that ninth and tenth grade females who had male siblings close to their age tended toward parental conformity, whereas females with sisters near their ages tended toward peer conformity. Kahn et al. (1972) reported that males with an older sister were avoidant of heterosexual relationships, had a greater tendency toward homosexuality, and thought of sex as repugnant. Thus we expect that adolescents with a same sex sibling will engage in more sexual activity than adolescents with opposite sex siblings.

First Borns

H_6: There is a negative relationship between sexual activity and being first born.

Freud (1938) observed that "a child's position in the sequence of brothers and sisters is of very great significance for the source of his later life." Adler (1920, 1927, 1945, 1956) was one of the first psychologists to postulate seriously the effects of birth order on personality development. Adler's main contention was that first-borns would

be more conforming to adult normative standards than later-born siblings because of their desire to please, be accepted, and the interactive nature of the parent-first child relationship. For purposes of this study, first-born adolescents would then be expected to be overconformers. Support for this Adlerian hypothesis is born out by the research of Ehrlich (1958), Hall and Berger (1964), and Altus (1959), who found first borns to be more conforming, serious, conservative, and better at organizing alternatives.

The tendency to be conservative among first-borns has been found to lead to potential problems for such siblings, as reported by Grossman and Eisenman (1972). They found that first borns have a stronger internalized moral code which later produces difficulties in handling sexual and aggressive impulses, and that these impulses are often manifested through projection.

Kilpatrick and Cauthen (1969) found that dogmatism is significantly related to personal sexual attitudes. While males were more generally liberal in their sexual attitudes, first-born males and females had more conservative sexual attitudes than later-borns.

Reiss (1967) found that when older siblings were responsible for younger siblings they were more often less permissive than only children who did not have this responsibility. This supported Reiss' (1967:156) Proposition 7: "The greater the responsibility for the family members and/

or the less the courtship participation, the greater the likelihood that the individual will be low on permissiveness." Some confusion does exist as to why Reiss linked responsibility and courtship in the same proposition.

On the other hand, Touhey (1971a, 1971b) when examining birth order and virginity found that first-born college males and females were more likely to have engaged in premarital intercourse than later-borns. The data were interpreted as first-borns adopting adult roles earlier in life. Douvan and Adelson (1966) point out that first-born adolescents are strongly motivated to assume the rights and responsibilities of adult roles. These findings are contrary to the assumptions and findings of overconformity stated earlier. In the absence of concrete data on a positive relationship between sexual activity and being first-born, we will follow the bulk of the literature and assume that a negative relationship exists.

Later Borns

H_7: There is a positive relationship between sexual activity and being later born.

Diamond and Murry (1967) report that later-borns are more socially adept than first-borns, and Jourard (1959) found that later-borns have more meaningful social interactions. Jourard thinks that people who self-disclose more seem to have broken down the barriers in interpersonal relationships. Brag and Allen (1970) offer contradictory evidence on conformity, that is, in their study, highest

conformity was found for later-born females with a same sex sibling.

Miller and Zimbardo (1966) found that last-borns at least five years younger than next older sibling react more like first-borns than do later-born children; this may be because both groups lack slightly older peer models. Given the available literature on later borns regarding their heterosociability, we postulate that there is a positive relationship between later borns and sexual activity.

Dating

H_8: There is a positive relationship between sexual activity and dating behavior.

H_9: Dating accounts for more variance than any individual predictor.

H_{10}: Dating accounts for more variance and has greater predictive value than the summary measures of bonding, stress, and nonconforming behavior taken individually.

H_{11}: Dating will have a greater discriminating ability than any other variable.

Waller and Hill (1951) called dating "aim-inhabited courtship" because they found that young people can date each other without either of them or their parents assuming that, because they date, they are seriously interested in each other. Dating and going steady will offer the adolescent opportunities for trying out roles characteristic of the comprehensive marital relation without having to be responsible for the consequences from failure that involves the committed married pair (Goslin, 1971; Kirkendall and Libby, 1966).

Contrary to popular opinion, boys and girls begin to date and go steady at approximately the same ages (Broderick 1968a, 1968b; Feinstein, 1973). Although girls may begin and attain physical maturity earlier than boys, recognized sex differences in physical development seem to have little relation to ages at initial dating. Dating is a social relationship which is defined by cultural norms, not by biological development per se (Christensen, 1964), and only a minimum level of physical development is necessary to start dating. Collins (1973) found that freshman university students were more likely to think that persons in their peer group were more sexual than the data indicated--creating a desire to conform. Median ages for initial dating among the high school males and females in Lowrie's samples (1952) ranged between 14.1 and 14.9 years; the averages reported by Bardis (1958), Cameron and Kenkel (1960), and Boch and Burchinal (1962) were toward the lower end of the range reported by Lowrie.

Schofield (1965) and Bell and Chaskes (1970) confirm that those adolescents who start sexual activities other than intercourse at an early age are more likely to have sexual intercourse before marriage. Thus initiation and opportunity at early ages start the process of trying out the role of being sexually intimate with another person.

Harrison (1969) et al. found that the number of times a high school student had gone steady positively

influences sexual permissiveness for whites. Sorensen (1973) found that of all nonvirgin girls, 57 per cent said that their first intercourse partner was someone they were going steady with, compared to 25 per cent of the nonvirgin boys making the same claim. Forty-four per cent of all nonvirgin boys said that their first sex partner was a girl they knew slightly or had met only a little while before they had sex together. Only 15 per cent of the girls said that their first sex partner was a boy they knew slightly or had met only a short time before. Virtually none of the boys reported having their first sexual intercourse with a prostitute (Sorensen, 1973:199).

Smith (1969) asserted that while the dates were characterized by intimacy, adolescents were confused about how much sexual behavior was permitted since they received no clear initiation into behavioral norms and their peers often could not clear up the confusion. Success in dating depends on accepting the roles approved by peers (Hurlock, 1972), and if girls (Halleck, 1967) and if boys (Schofield, 1965) believe there is more sexual activity taking place than is actually the case, they are subjected to pressure to conform to the sexual experiences of others (Kanin, 1969). Thus adolescents may be forced into sexual experimentation for which they are as yet emotionally unprepared (Kestenbaum, 1978). Gadpaille (1978), in response to Kestenbaum, vividly points out that adolescents who are disturbed by their

sexual behavior may more likely be seen in therapy than the adolescent who is not disturbed by such experience. Therefore, adolescents possess differing degrees of readiness for sexual activity and sweeping generalizations about all adolescents are unwarrented.

Schofield (1965) and Collins (1974a, 1974b) expressed in their findings that many adolescents perceive their peers as more sexually experienced than they are themselves; therefore, the amount of pressure of the peer group on adolescents may be considerable, since it is so important for them to behave in a similar manner.

Schonfeld (1950) has equated feelings of difference with feelings of inferiority during adolescence, so that many people may be indulging in deeper forms of intimacy than are necessary to maintain a pleasant dating relationship and other aspects of this relationship may then suffer (Martinson, 1971).

Collins (1974a, 1974b) showed through his studies an initial tendency for males to be more experienced sexually than females, with the behavior of females approaching that of males as the commitment in the affectional relationship increased. He also showed that the majority of males do expect some petting after several dates, with the female adhering to the code of petting-with-affection. This supports the contentions of Hurlock (1967) that adolescents going steady typically believe they are in love and that going steady can add acceptability to heavy petting and

intercourse. Once some commitment to marriage is entered into, mutuality is clearly evident and no differences were found in the incidence of coitus (Collins, 1974a, 1974b). McCandless (1970) has also observed that girls were far less rejecting and more permissive in sexual behavior once some commitment to marriage was made. Ehrmann (1959a, 1959b) notes in his study of premarital dating behavior that the limitations of premarital sexual behavior are primarily female determined.

Given the relative stability of rates of early and premarital coitus and continuity of the role of dating factors in facilitating this behavior, popular discussion of the contemporary sexual revolution is seen as being out of touch with reality and possibly inducing anxiety among young people when they do not experience the sexual revolution (Simon et al., 1972). The new sexual behavior is the welding of personal morals with an ethical code (Robinson et al., 1968). The code governing this relationship is that of permissiveness with affection (Reiss, 1962) and the emphasis is placed upon the relationship instead of the sex or commitment separately (Kirkendall, 1960).

Trends have emerged in the sociological and psychiatric literature which have associated the sexual intercourse behavior of adolescents as delinquent, deviant, and maladjusted. In essence, these types of judgments are saying that those adolescents who are having or have had

intercourse are systematically different from adolescents who have not had intercourse. This seems to be an arbitrary distinction--labeling an adolescent's sexual behavior without examining that behavior in relation to selected variables for different levels of sexual behavior. For instance, do both qualitative and quantitative differences exist between heavy petters and those having intercourse with one partner; between those having intercourse with one partner and those having intercourse with more than one partner? If there are indeed statistically significant differences between these groups, we may begin to understand more thoroughly how a person deviates as a result of also being sexually active; applying, however, the labels of deviant or maladjusted may not be affective since these labels are more the result of judgments made by individuals and groups from a particular value stance, rather than from a statistical basis.

Marriage Plans

H_{12}: There is a positive relationship between sexual activity and expecting to marry at an early age.

Age of marriage as related to sexual behavior seems to be governed by the intimacy of the dyad. As couples move from casual dating to a committed relationship, sexual intimacy also increases in most cases. This is true regardless of which courtship theories you subscribe to; that is, intimacy-commitment spiral (Broderick, 1967; 1970; Waller and Hill, 1951), stimulus-value-role (Murnstein, 1967)

complementary needs (Winch, 1955a, 1955b; Winch et al., 1954), or developmental dyadic formation (Lewis, 1973). It appears that the closer a dating couple, regardless of age, approaches marriage, the more likely they are to engage in sexual intercourse. The question which remains to be answered is whether or not adolescents who anticipate marriage at an early age initiate their sexual activity at a correspondingly earlier age.

Schofield (1965:124) found, when examining attitudes toward marriage, that approximately 80 per cent of the males and 65 per cent of the females (average of older and younger groups) desired to marry after age 21. Eight per cent of the boys and 33 per cent of the females desired to marry before reaching 21. Eleven per cent of the males and about 3 per cent of the females did not know if they wanted to marry.

Sorensen (1973:344) found high acceptance to the question "Someday I will probably want to get married and have children," by all subjects, virgins and nonvirgins alike. Sexual adventurers (adolescents having more than one intercourse partner) reported positively 73 per cent of the time. Sorensen concludes that intensions to marry have no effect on sexual behavior during adolescence.

It is expected that sexual activity is related to marriage plans in that the earlier one plans to get married, the more likely that dating will begin at an earlier time.

Thus a positive relationship between sexual activity and desiring to marry early is expected to emerge.

Expected Family Size

H_{13}: There is a positive relationship between sexual activity and the desire of having a large family.

The expected size of one's future family is relevant to the study of population and family patterns in the United States. As a variable relating to sexual behavior, no references were found in the literature to substantiate a relationship. A person who has the desire to have a family may begin having sexual intercourse at an earlier age than the person who does not want children or may only want one child. Thus the postponement of wanting children may be related to sexual values, educational aspirations, or lack of available partners. Thus we expect a positive relationship between desiring to have a large family and sexual activity.

Anticipated Early Marriage and Desiring a Large Family

H_{14}: There is a positive relationship between sexual activity and the expectation of marrying early and having large families.

While no literature exists for the combined factor of desiring to marry early and having a large family, we expect a positive relationship because this group of adolescents will accelerate the dating process in order to find a suitable marriage partner. As previously noted, an adolescent who dates early will move through the levels of sexual activity more quickly than an adolescent who begins dating

later.

Student Values

H_{15}: There is a negative relationship between sexual activity and student types valuing the educational and vocational side of school. V and E

H_{16}: There is a positive relationship between sexual activity and student types valuing the social life of school or preferring to be out of school. S and W

It is expected that students who identify with being in school for academic or vocational reasons will more likely follow adult normative expectations. Thus a negative relationship with sexual activity is postulated. Conversely, those students valuing school for social life or desiring to be out of school are not conforming to adult normative expectations and it is postulated that their preference is positively related to sexual behavior.

Summary of Hypotheses H_1 through H_{16}

Sexual activity is significantly related to family structure. There is a negative relationship between sexual activity and:

H_1 social class.

H_6 being first born.

H_{15} student types valuing the educational and vocational side of school. V and E

There is a positive relationship between sexual activity and:

H_3 having no religious preference.

H_4 being a member of a large family.

H_7 being later born

H_8 dating behavior.

H_{12} expecting to marry at an early age.

H_{13} desire of having a large family.

H_{14} those expecting to marry early and have large families.

H_{16} student types valuing the social life of school or preferring to be out of school. S and W

There is no relationship between sexual activity and:

H_2 having a specific religious preference.

Adolescents:

H_5 from same sex families differ in their sexual activity from those in cross-sex families

Dating:

H_9 accounts for more variance than any individual predictor.

H_{10} accounts for more variance and has greater predictive value than the summary measures of bonding, stress, and nonconforming behavior taken individually.

H_{11} will have a greater discriminating ability than any other variable.

Bonding

Introduction

H_{17}: There is a negative relationship between sexual activity and bonding.

The influence of the family, community, religiosity, faith in people, authoritarianism, school classes, and college orientation seem to have a dampening effect on the sexual behavior of the adolescent. It is the social setting of the family and the community that shape the child's perceptions and attitudes to the world. Those adolescents who

have positive perceptions of parents, teachers, police, and religious leaders are thought to be less sexually active because of their continued affiliation with adult normative standards. The hypotheses of this study will state that there is a negative relationship between adolescent sexual activity and the variables regarding bonding. Bonding in this study is seen as the sum of family and community bonding. An overview of the work done in this area is presented in this section.

Family Bonding

H_{18}: There is a negative relationship between sexual activity and family bonds.

H_{19}: There is a negative relationship between sexual activity and parent-child communication.

H_{20}: There is a negative relationship between sexual activity and parental acceptance.

H_{21}: There is a negative relationship between sexual activity and parental congeniality.

Schofield (1965:144) examined the strength of parent-child relations using the question "What do you like least about your father?" A similar question was asked about the mother. Significant results indicated that girls who were less sexually experienced got along better with their father. For the mother, significant results were obtained with adolescents who got along better with the mother if they were less sexually active. Regarding the adolescents' perceptions of the marital happiness of their parents, Schofield (1965:144) reports that no strong

relationship exists for boys; however, for girls there is a strong relationship, significant at .001 level, between perception of parental marital satisfaction and level of sexual activity for the female adolescent.

This is the extent of the evidence we have to build upon regarding family bonding. Following Schofield we postulate a negative relationship between family bonding and sexual activity. Family bonding is the sum of the indexes of parent-child communication, parental acceptance, and parental congeniality.

Community Bonding

H_{22}: There is a negative relationship between sexual activity and community bonds.

H_{23}: There is a negative relationship between sexual activity and perception of police.

H_{24}: There is a negative relationship between sexual activity and perception of the church.

H_{25}: There is a negative relationship between sexual activity and perception of ministers.

H_{26}: There is a negative relationship between sexual activity and perception of the school.

H_{27}: There is a negative relationship between sexual activity and perception of teachers.

The adolescent is usually tied to the community through the familial system which is only one of many community structures. McGuire (1951) describes how family, formal associations, educational, religious, economic, political institutions, and formal organizations are operating as social organizations. The experiences of the adolescent

differ according to his or her background with these institutions.

The adolescent who is conforming to the adult normative standard of trying to be "good," that is, achieving well in school, and not delinquent, experiences compatibility with community figures. For the high achieving and conforming adolescent, rewards are found in terms of good grades, praise from teachers, and encouragement by being given extra privileges in the community. Essentially, the youth is trusted and looked upon favorably by adults.

The positive perception of police, teachers, and ministers by the adolescent may well be related to sexual activity since an adolescent who perceives police, teachers, and ministers to be friendly, helpful, and interesting may also be the adolescent who is less sexually active because s/he positively views role models, and thus conforms to the adult expectations around sexual behavior. Similarly, an adolescent who does not trust these role models, may have a different attitude with their sexual behavior being more in conflict or opposed to adult expectations.

Community bonding is the sum of police, church, minister, school, and teacher perception.

Religiosity

H_{28}: There is a negative relationship between sexual activity and religiosity.

In recent years it has been argued that religiosity has a declining influence on contemporary American behavior

(Baker, 1965:6; Hernberg, 1960:2). This may be so regarding the external behavior (church attendance, strictly outlined ethical values) but on the other hand, there is a sudden rise in importance of the cognitive dimensions concerning religiosity. Many adolescents are showing a great interest in Eastern religions, meditation, and the participation in alternative forms of organized religious activity, such as the Jesus Movement, has been widely noted.

This study is concerned with the relationship of religiosity on the sexual activity of the adolescent. There have been many discussions as to what comprises an adequate measure of religious commitment (Vernon, 1962). Historically, religious commitment has meant whatever it means "to be religious." Today, however, most sociologists of religion agree that the use of a single criterion to provide a measure of religious commitment covers too broad an area to be scientifically accurate. Vernon (1962) states

> ...Such criteria as church membership, church attendance or acceptance of specific beliefs are often considered to measure religiosity... There would seem to be a valid distinction between "being religious" and being a church member "attending church," or accepting a specific belief.

Ehrmann (1964:609) was aware that religious affiliation is not necessarily related to sexual behavior, but that religiosity may be related. Kinsey et al. (1948:79; 1953:304-307) used a slightly different term, devoutness,

to examine the same concept and found that this dimension was most predictive of female sexual behavior. Similar findings were reported by Ehrman (1959:93-94) and Burgess and Wallin (1953:338-340). Reiss (1967) found that among whites low church attendance was indicative of high sexual permissiveness for both men and women. Heltsley and Broderick's (1969:441) data did not support the Reiss hypothesis for males and females. However, Reiss (1969:441) thinks that the proposition was not properly interpreted by Heltsley and Broderick; the sample used was over-represented with white females who were drawn from marriage and family classes, and the measure of religiosity was different. Heltsley and Broderick (1969:443) offer a simpler proposition: "that when sexual abstinence is emphasized by a church, religiosity will be related to sexual permissiveness; but when it is not stressed, the two will be unrelated."

Schofield (1965), in his study of English adolescents, found that church attendance is strongly associated with levels of sexual activity for both males and females. Clayton (1969:47), with a sample of college students, tested the hypothesis that "the more ideologically orthodox respondents would be less likely to engage in premarital intercourse then the less ideologically orthodox respondents." Clayton was trying to tap ideological commitment. The hypothesis that religious orthodoxy negatively influences premarital coitus was supported except for those belonging

to sorority and fraternity groups. For Greeks (fraternity men) orthodoxy did not restrain premarital sex. Dedman (1959) found that the relationship between religiosity and attitude toward premarital sexual relations to be significant (.001) for college freshmen and seniors. By using church attendance and the relative frequency of having a mate who belongs to the same faith, she concluded that a violation of social norms will most likely occur among individuals who are sensitized to public disapproval.

Staples (1971) studied an equal sample of black and white college students on sexual permissiveness and religiosity as reflected by church attendance and found religiosity inversely related to permissiveness; the relationship was stronger for females than males.

Harrison et al. (1969) in a study of sexual permissiveness among high school students examined religious involvement such as religious membership, attendance, and leadership positions finding that permissiveness decreased as religious involvement increased. Lindenfield (1960:81-84) found that the individuals with a high degree of religiosity were more conservative in their attitudes concerning sexual behavior than those scoring lower on religiosity as measured by "the importance laid on religion by the group."

The same results are found in a series of studies dealing with sexual permissiveness and some form of religiosity (Harrison et al., 1969; Hunter, 1971; Lindenfield, 1960;

Miller and Simon, 1974; Rohrbaugh and Jessor, 1975; Ruppel, 1969; Simon et al., 1972; Sutker et al., 1970; Vadiver, 1972).

In most of the studies reviewed, religiosity, regardless of how it was measured, was inversely related to premarital sexual permissiveness, premarital sexual intercourse, for males and females alike, regardless of age and irrespective of grades in school. Thus we are following the literature postulating a negative relationship between religiosity and sexual activity.

Authoritarianism

H_{29}: There is a negative relationship between sexual activity and authoritarianism.

Respect for authority, the importance of obedience, gratitude for parents, and valuing strictness of parents with children reflects a form of bonding to a form of discipline which is possibly connective of individual adherence to the value structure of family and nation. An individual would then be expected to be more strongly bonded to conventional orientations of morality. Thus, individuals who are strongly authoritarian are similarly expected to tend towards less sexual activity. By exploring the concept of authoritarianism in relation to sexual behavior, this study can therefore be of value in understanding its relationship to adolescent sexual behavior.

Faith in People

H_{30}: There is a negative relationship between sexual activity and faith in people.

The extent to which an adolescent thinks s/he can trust or depend on other people is reflected in the index of faith used in this survey. It is thought that faith relates to the area of bonding because of the relationship to significant others in the adolescent's subculture. For instance, an adolescent's relationships with parents, teachers, ministers, and police are indicative of whom the adolescent trusts. Therefore, we would expect faith to be inversely related to sexual behavior, that is, the closer an individual is bonded to those who uphold the culture's value stance of virginity, the more likely that an adolescent would inculcate these values.

College Orientation

H_{31}: There is a negative relationship between sexual activity and college orientation.

Accounts of grades and their relationship to adolescent sexuality are presented by Schofield (1965:152) and Sorensen (1973:230). Their findings are similar--higher grades are indicative of the middle levels of sexual activity. For instance, Schofield found that among those who stayed in school and had high grades their behavior was more likely to be inceptive (petting and genital apposition). Sorensen found his monogamist group to have the highest grades of his four sexual categories--52 per cent of the monogamists reported grades of good or superior as compared with 43 per cent for all adolescents, 48 per cent for the sexually inexperienced, 44 per cent for all non-virgins,

and 32 per cent for sexual adventures.

In that college orientation reflects achievement of a goal at a later time, a form of delayed gratification is present in the outlook of the adolescent. Thus, postponement of marriage and reduced sexual activity is expected. Again a negative relationship is expected between sexual behavior and college orientation.

Liking School Classes

H_{32}: There is a negative relationship between sexual activity and liking school classes.

An indirect measure of bonding to societal institutions is the degree to which an individual likes his/her classes in school. Thus we would expect liking school classes to be negatively related to sexual behavior since liking school is part of adult normative expectations.

Summary of the Bonding Hypotheses

There is a negative relationship between adolescent's sexual activity and:

H_{17}: bonding

H_{18}: family bonds

H_{19}: parent-child communications

H_{20}: parental acceptance

H_{21}: parental congeniality

H_{22}: community bonds

H_{23}: perception of police

H_{24}: perception of church

H_{25}: perception of ministers

H_{26}: perception of the school

H_{27}: perception of teachers

H_{28}: religiosity

H_{29}: authoritarianism

H_{30}: faith in people

H_{31}: college orientation

H_{32}: liking classes

For the above hypotheses the following hypothesis was tested: There is a difference in the means scorces between the five levels of sexual activity.

Nonconforming Behaviors

Introduction

H_{33}: There is a positive relationship between sexual activity and nonconforming behavior.

This section will examine five areas of literature dealing with adolescent behaviors, which are often thought of as nonconforming acts in relation to adult normative and legal standards. The first area, delinquent image, will examine the adolescent who perceives self as delinquent or whether the adolescent perceives that someone else sees him/herself as delinquent. The four remaining areas of nonconforming behavior to be covered are smoking and drinking, drug usage, and acts of a delinquent nature, such as theft, skipping school, fighting, and vandalism. Unfortunately measures of peer group association are not contained in the study, so only a few references will be made to this literature. The area of drug use is one of the more confusing

areas since it interfaces with peer group involvement (Kandell, 1973), institutional and legal codes (Cwalina, 1968), and family relationships (Streit and Oliver, 1972). Why individuals use drugs, what effect they have, and the social legal implications are a continuation of a pattern of a confusing dilemma faced by American society (Berg, 1967).

Delinquency, overall, is a perplexing area for research. Differences between delinquent behavior and official delinquency exist (Williams and Gold, 1972) like differences between parental versus peer support for delinquent acts (Jensen, 1972). The court system is no less confusing in its treatment of juveniles, often ignoring the personal needs of youth and providing the conditions which foster deprivation and delinquency (Polier, 1973).

Nonconforming behavior is the sum of drinking, smoking, drugs, and general delinquent acts.

Delinquency Image: Self and Other Perceptions

H_{34}: There is a positive relationship between sexual activity and delinquent self-image.

The two parts of this conceptualization are concerned with how one views him/herself and how others view him/her. In the realm of delinquency there is uncertainty as to how this relates to sexual activity. If delinquent acts are highly correlated with sexual behavior and if an adolescent was seen by self and others as delinquent, then one would expect a positive relationship with sexual behavior.

Kaplan (1975) found that in a sample of 3,148 seventh grade students measured at three different annual intervals, increases in negative self-attitudes were antecedent to deviant acts. This suggests that negative attitudes toward self are a common influence operating between social experiences, such as sexual activity, and deviant responses. On the other hand, however, Tangri and Schwartz (1967:187) found that, when relating delinquent evaluation to self-esteem, an adolescent's delinquent self concept was not related to a negative concept of self. Lanphier and Faulkner (1970) found that subjects with high self-esteem were more likely to be conventional in their behavior--there was less of a tendency for them to be delinquent.

Smoking and Drinking

H_{35}: There is a positive relationship between sexual activity and smoking cigarettes.

H_{36}: There is a positive relationship between sexual activity and alcohol consumption.

Smoking and drinking behavior are status offenses often engaged in by young people. Schofield (1965:175-176) found drinking and smoking behavior to be positively related to level of sexual experience. The more an adolescent, whether male or female, is engaged in these activities the greater the likelihood that they are involved in a sexual activity. Schofield did not look at these in combination; we would expect however, that adolescents engaged in both activities would be more experienced sexually than those who

only engaged in smoking or drinking.

Drug Usage and Availability

H_{37}: There is a positive relationship between sexual activity and drug use.

H_{38}: There is a positive relationship between sexual activity and drug availability.

A very large volume of literature has developed in recent years around the use of marijuana and drug usage from amphetamines to barbituates and heroin. The relationship of marijuana and drug use to sexual behavior has been explored using a variation of surveys and statistical analysis (Blum et al., 1969; Hochman, 1972; Johnson, 1973). The review to follow is only a sampling of the literature relating these factors. Causative factors leading from drug usage to sexual activity have not been established; however, much has been made of the correlation between marijuana, drug use, and sexuality. Since controversy exists about including marijuana with drugs such as amphetamines, barbituates, and heroin, this review will examine marijuana and other drugs separately in relation to sexual behavior.

Thomas et al. (1975) view drug use as being a subcultural phenomena not to be viewed as deviant. Using attitudes toward drug use, the legal system, sexual behavior, alienation, social class of origin, and drug use, they found that drug use is only one aspect of a more inclusive set of attitudes, values, and behavior. Social background factors were found to be weak predictors of drug use; the degree,

however, to which the individual accepted the tenets of her or his subculture was indicative of probable drug use.

Goode (1972a, 1972b) found marijuana smoking to be highly associated with sexual intercourse for college students. A causal sequence was not established, but it was postulated that drugs and sex are part of the campus subculture. In effect, students who practice one behavior practice another. Quite possibly values and orientation to life which are learned in the home are more indicative of liberal sex and drug habits rather than the reciprocal nature of sex and drugs.

Miller (1973) suggests that drugs may be used as a substitute for sexual intercourse in order to cope with anxiety around possible impotence, masturbatory activity, heterosexual conflict, and homosexual fantasy. When under the influence of marijuana, boys are not as uptight about being turned down; when females are stoned, they are less likely to reject an offer.

Greaves (1972) compared amphetamine users with non-users and found users generally to be more sexually experienced, but not significantly so. Evidence did not support the hypothesis that drug use was a replacement for sex or a contributing factor to sexual pathology. It was suggested that undetermined variables have a role in drug use and sexual activity.

The ability to obtain drugs is found to be related

to being able to use drugs (Hager, 1970:98). While adolescents may often purchase drugs from older people, they may also be purchasing from near same age adolescents. This is possibly related to a form of peer group involvement. Obtaining drugs then is seen as an act which is positively related to sexual activity because of its association with the act of taking drugs and general nonconformity to adult normative standards.

General Delinquent Acts

H_{39}: There is a positive relationship between sexual activity and general delinquent acts.

With trepidation we now are entering into a realm of behavior which is confusing in terminology. The word delinquent is interpreted in many different forms by authors. For instance, Vener et al. (1972) regard heavy petting, coitus, and coitus with two or more partners as delinquent activities, but later change these to nonconformity (Stewart et al., 1978). Beer and wine drinking, cigarette smoking, and joyriding are also listed as nonconforming behaviors.

Similarly, adolescent sexual behavior has been described as antisocial or maladjusted in the psychiatric literature (Hudgens, 1974). While Hudgens (1974:197) states that he rarely recommends that a teenager stops engaging in gratifying sexual behavior when not harming other people or putting self in danger, he does view sexual intercourse as a symptom of antisocial personality and sexual promiscuity or perversion as characteristic of an antisocial personality

(Hudgens, 1974:137). The contradictions here certainly warrant a much closer examination of sexual behavior as deviant, antisocial, or part of a negative identity (Erikson, 1968a).

Williams and Gold (1972) draw a distinction between delinquent behavior and official delinquency; that is, delinquent behavior is norm violating behavior which if detected could bring about legal action; official delinquency is the detection of delinquent behavior and action by the police and courts. They point out that while official delinquency is more often seen as a lower class phenomenon, delinquent behavior is not. Others have made the distinction between "hidden" and adjudicated delinquent acts (Porterfield, 1943; Murphy et al., 1946; Morwell, 1966). Murphy et al. (1946) found that of the 616 serious crimes reported by subjects, only 11 per cent were prosecuted; of the 4,400 minor offenses .006 per cent were prosecuted.

Jenkins (1955; 1957) has examined delinquency as being adaptive or maladaptive. Adaptive delinquency is seen as being goal orientated, that is, behavior involving motivation and learning from experience; maladaptive delinquency is seen as behavior precipitated by frustration that is rigid, stereotyped, and a reaction to punishment. Jenkins (1957:534-535) later refers to these categories as "socialized delinquent behavior" and "unsocialized

aggressive behavior." The differences are:

> With socialized delinquency, we have a predatory minority subculture in which acquisitive desires for what is most easily achieved by theft may be reinforced by the prestige which attaches to successful delinquency--or the contempt, loss of status and social rejection which may attend a refusal to participate. We are dealing with planful, normally motivated, easily understandable behavior. With the unsocialized aggressive, on the other hand, we have a gross failure of conscience or inhibitions of any sort in a highly frustrated individual with a low frustration tolerance, unrestrained impulsiveness and bitter resentments and hostilities.

It appears that sexuality is a behavior that can be normal, deviant, delinquent, nonconforming, antisocial, pathological, and maladaptive. While sexuality could be any of the previously mentioned dimensions, most reports do not delineate normal sociosexual development from sexual behavior of a deviant or delinquent nature. Nevertheless sexual activity is viewed as being positively related to generally delinquent acts because of the association between nonconformity to adult normative standards and sexual activity. While general acts of delinquency may be qualitatively different from sexual activity, drinking and smoking, and drug availability, they are acts that do not conform to the adult normative and legal standards.

Summary of Nonconforming Behavior Hypotheses H_{33} through H_{39}

There is a positive relationship between sexual activity and:

H_{33}: nonconforming behavior

H_{34}: delinquent self-image

H_{35}: smoking cigarettes

H_{36}: alcohol consumption

H_{37}: drug use

H_{38}: drug availability

H_{39}: general delinquency

For the above hypotheses the following hypothesis was tested: There is a difference in the mean scores between the five levels of sexual activity.

Stress

Introduction

H_{40}: There is a positive relationship between sexual activity and stress.

Stress is a composite measure of the variables involved in physical and emotional stress. Essentially stress is not feeling good about one's present life. Possible sources of stress are depression, affect deprivation, not feeling physically well, and some type of crisis in the family. It is thought that experiencing stress of some form will divert people to alternate sources of emotional gratification, one of which is sexual activity. Primarily we see stress as being positively related to sexual behavior because of the developmental aspects of stress occurring during adolescence and due to the reciprocal nature of stress and sexuality. After a presentation of the hypotheses on physical and emotional stress, a review will follow.

Physical Stress

Physical stress is divided into suicidal thoughts and behaviors, and physical well-being.

H_{41}: There is a positive relationship between sexual activity and physical stress.

H_{42}: There is a positive relationship between sexual activity and suicidal activity.

H_{43}: There is a positive relationship between sexual activity and physical well-being.

Emotional Stress

Emotional stress is divided into family crisis, affect deprivation, depression, and rage.

H_{44}: There is a positive relationship between sexual activity and emotional stress.

H_{45}: There is a positive relationship between sexual activity and family crisis.

H_{46}: There is a positive relationship between sexual activity and depression.

H_{47}: There is a positive relationship between sexual activity and affect deprivation.

H_{48}: There is a positive relationship between sexual activity and rage.

The most common types of stress derive from the tensions of every day life; they tend to arise between incompatible needs or goals of the person, and a decision needs to be taken in order to resolve the tension. There are also tensions that arise when a need is not met or an effort is frustrated, which call for further effort, change

of tactics or readjustment of goal (Moore, 1969:235). There are many studies done related to the strategies of coping with every day stresses: Leitch and Escalona (1949) have studied some of them in infants; Murphy (1962) and Moriarty (1961) in the same children at preschool age; Heider (1966) has analyzed the concept of vulnerability with reference to these variables. It is important to consider the background in which the individual grows up; some environments are stressful for the child, others help the child in making a satisfactory decision. If there is a lack of understanding or sympathy in the individual's environment, this can add to the indecision concerning his or her stresses and bring the individual to a breaking point (Moore, 1969:235). Erikson (1965) pointed out how important it is for a child to pass through every developmental step in a satisfactory way and he found that if a child fails to take a necessary step whole-heartedly, traces will remain of the earlier orientation and have bearing upon the maturation, leaving the child vulnerable to stresses. The adolescent of today lives in a period of time that seems increasingly more stressful. Not only do physical changes have to be coped with, but identity problems are emerging and the instability of the society does not help the adolescent in the search for a healthy and stable identity. Anxieties concerning the future seem to increase because of the relative insecurities of a future, compared with the securities of

yesteryear (Keniston, 1962; Sandler and Joffe, 1965). Matza (1964) focused on the status ambiguity generated by developmental discontinuities between the contradictory demands of autonomy and dependence in the areas of sexuality, peer relations, occupational orientation and Weltanschauung. Westley and Elkin (1957) minimized the anxieties associated with the discontinuous nature of adolescent socialization by emphasizing the maintenance of continuity between peer and adult social systems through anticipatory socialization. Although no individual will have exactly the same constitutional makeup and role relationship, all adolescents will go through a period of physical and mental changes and are therefore subject to some form of stress. It is thought that stress is positively related to sexual activity because experiencing some form of stress may lead people into a search for emotional and physical gratification, one of which is sexual activity.

Sexual promiscuity among girls is assessed for the extent that it communicates ungratified needs for affection and thus reflects underlying depression (Weiner, 1970:305). Toolan (1962) found that depressed adolescents seek intercourse not for erotic reasons but as a means of establishing intimate contact, and persistent depression may motivate repetitive indiscriminate sexual activity.

Palmgren (1966) suggests that the excitement and intense personal engagement of a sexual encounter is

appealing to an adolescent who desperately needs to combat feelings of apathy and enervation. Degree of depression or other psychological disturbances underlying premarital intercourse in adolescent girls are thought to be indicative of the extent to which they are sexually active.

It is impossible to separate the emotional, sexual and physical development of the adolescent and it is evident that social development intermingles heavily with all three. Physical changes during adolescence trigger emotional reactions and social mores add additional complications to maturation. Adjusting to physical maturation during adolescence is, indeed, one part adjusting to the physical change and nine parts adjusting to the emotional and social changes and the sexual implications they directly produce. Given the small amount of evidence relating stresses to sexual activity in a positive sense and the fact that stress may temporarily move one away from the family and community organizations, for they may well be the sources of stress, we think an overall positive relationship exists between stress and sexual activity. Physical stress is the sum of suicidal activity and physical well being. Emotional stress is the sum of family crisis, depression, affect deprivation, and rage.

Self-Regard

H_{49}: There is a positive relationship between sexual activity and self-regard.

Self-regard has played an important role in the

study of the behavior of an adolescent; it will tell much of how the adolescent will or will not initiate, seek out or be available for heterosexual interactions. The subject of self-regard has become increasingly popular in the last few decades and has been intensively investigated in psychiatry, psychology, and sociology. Self-regard has even become an every-day subject, because nothing seems to be more interesting to humans than the study of the self. This popularity may explain the obscurity of the term; many different names have been used such as self-image, self-esteem, self-concept, self-love, self-respect, self-acceptance, self-evaluation, and self-worth. All of these terms imply the psychological process of the evaluation of the self. In this study the term self-regard has been employed because it is the most neutral toned and carries the least amount of connotations (Wylie, 1961).

Zetterberg (1966) introduced the concept of erotic ranking which appears useful in analyzing the importance of self-regard on sexual behavior. Intermingled with the sociometric ranking and dating complex, there is a struggle for erotic success. The erotic ranking can be reflected in the individual's self-evaluation; a person who has a poor evaluation of self would predictably be anxious to improve his or her lot (Strouse, 1969). Ehrmann (1959) found in his study that upper-class boys more frequently and more easily engaged in premarital sexual relations with lower

class girls; and they, on the other hand, were more willing to yield intimacy to the higher status male. Thus, having a low self-regard, being "poor, powerless, and uneducated, having bottom positions in all other respect ... may turn to rewards offered by erotic ranking" (Zetterberg, 1966:135). Burchinal (1960) found indeed that if a lower-class girl is more insecure than a middle or upper-class girl, she is more likely to yield sexual intimacy to a male of higher self-regard, more likely to marry up in age and social class, and more likely to get pregnant and/or married while still in high school. Walster (1965) proposed also that persons with low self-regard may possess a special need for affection. Self-esteem theories emphasize that low self-regard persons would be more strongly attracted to an accepting partner than those higher in self-regard (Walster, 1965). Self-actualization theorists, including Fromm (1939), Maslow (1970) and Rogers (1959) contend that self-accepting, nondefensive individuals are more capable of loving others and experiencing satisfying and fulfilling interpersonal relationships (Dion and Dion, 1975:39).

DeMartino (1963:80) points out that any study in which data are obtained from volunteers will always have a preponderance of high self-regard (high dominance) people and therefore will show a falsely high percentage of non-virginity, masturbation, promiscuity, homosexuality in the population. DeMartino finds that it is much more likely for

high self regard women to have homosexual experiences or else conscious tendencies, desires and/or curiosity (DeMartino, 1963:90). Maslow (1942), Maslow et al., (1960), and DeMartino (1963) further report that when an insecure individual has a high dominance feeling, that person is likely to use sex as a weapon to conquer and dominate others.

It has been observed that sexual deviants are usually immature, feel as though they have little control over their destiny and have tremendous needs to bolster their self-regard (Pacht et al., 1962). The research seems to suggest that an individual with a low self-regard would be more inclined to be involved in indiscriminate or socially disapproved sexual activities than the more secure individuals. The results of the research have implied that a general feeling of low self-regard and/or a weak sex role indentity are associated with a high level of sexual behavior. The hypothesis in this study is contrary to the above findings and postulates a positive relationship between self-regard and sexual activity because it is thought that being sexual with one's peers adds to one's status and self-confidence in the peer group.

Guilt

H_{50}: There is a positive relationship between sexual activity and guilt.

The influence between sex guilt and sexual behavior has generally been an inverse relationship which has explained the approach-avoidance models (Clark, 1952; Langston,

1973). In this model guilt as related to sex is seen as an inhibiting factor, although it is unclear whether the inhibition occurs between stimulation and arousal or between arousal and behavior (Galbraith and Mosher, 1968). While these are primarily experimental studies, it is important to note the negative relationship between sexual behavior and guilt.

In personality formation sexual guilt is acquired or learned in a series of situations related to sex and conscience development. This guilt may then influence the way in which situations are perceived or the reaction of an individual to specific situations. In a sense, guilt about sexual behavior is a self-mediated punishment for violating or for anticipating violating standards of proper conduct. The affective state of guilt is one of several potential referents within the individual signaling distress (Mosher and Cross, 1971).

Guilt as contrasted with shame is where the self is doing the judging as oppossed to the latter where someone outside the self is giving disapproval (Lewis, 1971). In this study, specific measures of sex guilt (Mosher, 1961, 1966, 1968; Galbraith, 1969; Galbraith et al., 1968; and Galbraith and Mosher, 1968) are not used but rather a general index of feelings and behaviors which promote guilt. It is thought that guilt of a general nature or sex guilt specifically will have the same inverse relationship with

sexual behavior since both are an injunction against self for transgressing a normative standard.

Burgess et al. (1954:190) found that four per cent of the men and 16 per cent of the women with coital experience also experienced a sense of guilt. Christensen and Carpenter (1962:71) and Christensen and Gregg (1970:622) found premarital approval-experience ratios usually to be in a 10 per cent range for the 1968 sample of men, but ratios for females and 1958 males show more divergence between attitudes and behavior, with over two-thirds of the people mismatched in a few categories.

Reiss (1967:117) found that 83 per cent have the standard of accepting coitus of those who have had coitus while holding their present standard, while 15 per cent accept petting as their most extreme standard (Table 7.9). Reiss (1967:118) shows that individuals with a reported acceptance of premarital coitus still experience guilt with their coital behavior and with sexual behavior less than coitus. For people reporting a standard of premarital intercourse, 54 per cent felt guilty about petting. Quite possibly a gap exists between emotional and intellectual acceptance of a sexual standard and the standard might require more affection and/or commitment than the reported behavior entailed.

Therefore, not only is reported behavior not an accurate predictor of reported acceptance of behavior, but

also reported standards of acceptance do not exclude feelings of guilt. Single factor standards may not represent acceptance of premarital intercourse if absence of guilt feelings are required for complete personal acceptance (Banward, 1973:5). Given the available evidence concerning age of our sample and a measure of general guilt, we would expect guilt to be positively related to sexual activity.

Summary of Hypotheses for Stress

There is a positive relationship between sexual activity and:

H_{40}: stress

H_{41}: physical stress

H_{42}: suicidal activity

H_{43}: physical well being

H_{44}: emotional stress

H_{45}: family crisis

H_{46}: depression

H_{47}: affect deprivation

H_{48}: rage

H_{49}: self-regard

H_{50}: guilt

For the above hypotheses the following hypothesis was tested: There is a difference in the means scores between the five levels of sexual activity.

CHAPTER III

METHODOLOGY

This chapter will describe the community from which the subjects were drawn, the method of data collection, index construction, and the design of the analysis. Appendix A describes in greater detail the construction of the indices and particularly the measurement of sexual behavior.

Community

The data presented in this study came from a 1973 follow-up cross-sectional study by a team of researchers on adolescent drug usage in three western Michigan communities done by a team of researchers in November-December, 1969. The 1973 follow-up data are from Community B which had the widest range of social economic status of the three communities originally studied. Communities A and C were not resurveyed because of issues involving confidentiality and uses of the data. The first data collection of Communities A, B, and C took place in 1969 and is described more fully in Hager (1970), Hager et al. (1971), and Vener et al. (1972).

Community B, which has a school district serving 25,000 residents, was resurveyed in March, 1973. Character-

istics of the people in this community include (1) about 40 per cent of the male wage earners are employed in white collar occupations, (2) 70 per cent of the males are high school graduates and 25 per cent have completed four years of college, and (3) 51 per cent of the respondents expect to attend college. Community B has one public junior and senior high school which is located less than five miles from the nearest SMSA (Standard Metropolitan Statistical Area) of 150,000 and about 20 miles from another SMSA of 360,000. The census figures reported for 1960 lists the median income as $6,371 and compared with $9,500 for 1969. Community B can be characterized as a common-man town made up of middle-class families. Most of the work is in skilled and semi-skilled jobs, with about 40 per cent classified as white collar workers.

Subjects and Data Collection

Pretested opinionnaires, similar to the November-December 1969 data collection, were group-administered in March 1973 by teachers during an extended homeroom period. Subjects did not have prior knowledge of the instrument nor its content. All students present on this day were asked to complete the opinionnaire (the opinionnaire is found in Appendix D) except for those whose parents had a standing objection to their children being used as subjects in social or psychological research. For this survey three students were excluded because of parental objection. Absentee rates were typical for this day and students and community were

aware that their names and location would not be revealed. All students attending the public junior and senior high school (grades 7-12), and who were present the day the survey was administered were asked to complete the instrument. Less than one per cent of the respondents' opinionnaires were excluded from data analysis because of incomplete answer sheets or response irregularities. The administration required an average of 70 minutes for the subjects. The number of subjects was 2,164 at 7th-12th grade level.

All answer sheets were screened for any visible gross irregularities which indicated questionable validity of the responses. Opinionnaires which showed a pattern of "set," were eliminated; for example, opinionnaires with designs on them, or only having one response answered. A count of missing data was made for all subjects per item in order to assess which additional cases to cut from the final data analysis. Table 3.1 depicts the frequency of missing data. It was decided to eliminate from the data analysis those subjects who had over thirty-one missing values. This comprised about one per cent of the sample.

The resulting sample size became 2,143 subjects. Since 37 per cent of the remaining 2,143 subjects had from one to twenty-nine missing values, a method needed to be devised for taking these missing data into account when computing the different indexes. Not taking missing data into account during the index construction would tend to produce index scores which are lower than would be obtained

TABLE 3.1--Number and Percentage of Missing Values for all Subjects

Number of Values Missing	Number of Opinionnaires with Missing Values	Percent	Cumulative Frequency %
0	1345	.622	62.2
1	454	.210	83.2
2	157	.073	90.5
3	56	.026	93.1
4	34	.016	94.7
5	17	.008	95.5
6 - 10	43	.020	97.5
11 - 15	14	.006	98.1
16 - 25	13	.006	98.6
26 - 30	6	.002	98.9
31 - 176	25	.010	100.0

N = 2164

if all questions were answered. This is discussed more fully in Appendix A.

Instrumentation

General Index Construction Technique

The instrument consisted of an opinionnaire made up by a series of questions, indexes, and control items originally used and developed for studies by Hager (1970) and Vener et al. (1972). The present study is concerned primarily with five types of information derived from the instrument: (1) measures of family structure, (2) assessment of several forms of bonding that affect the adolescent, (3) measures of orientation toward nonconforming behavior, (4) measures of stress, and (5) selected measures of religiosity, guilt, authoritarianism, college orientation,

and faith in people. Special indexes[1] for this study were constructed because few scales were available that would tap the information needed for testing the hypotheses of the study, and those scales which might have been useful were too lengthy and time-consuming for use with the range selected for the study. A decision had to be made whether to use longer scales and gain depth or use shorter indexes and gain breadth. Hirschi and Selvin (1968:211) saw the problem in these terms:

> ...if the social researcher were to use a small number of long scales, like the psychometrician, he would have to forego a large number of single items that he might otherwise study and this might well be more costly than the reduction in reliability.

The choice that was made for the present study represents a compromise between longer scales and the use of single items by utilizing a procedure of index construction, patterned after Waisanen and Durlak (1966:101-115), who list several assumptions underlying the use of this technique:

1. Several questions designed to measure a variable are better for the purpose than a single question.
2. The degree to which these questions correlate with one another provides some tentative evidence that there may be such a variable "at work in the social world."
3. The summed values of these inter-related items can function as the measurement of that variable.

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[1]The complete set of indexes and items comprising them are found in Appendix A.

4. The degree to which these measurements relate to other measurements--beyond the reasonable limits of chance--provides further basis for confidence that a variable has been identified and that it has some interpretative value.

The following indexes were constructed and a pneumonic abbreviation of up to seven characters was used for the computer program. The full name of the index and its pneumonic are found in Table 3.2. Specific items comprising each index are found in Appendix A.

Validity and Reliability of the Indexes

Validity

Face validity was the initial criterion for the construction and retention of index items. That is, only items that appeared to measure the desired dimension were included. Intensive interviews with over 50 students from ages 12-17 were employed as an aid in the qualitative evaluation and revision of the wording, understanding, and intended meaning of each item (Hager, 1970:69).

These students then assisted in the reorganization of some items, suggested alternate items and were instrumental in adjusting the time factor to a reasonable limit by helping to reduce the number of items from 300 in the first pretest (1970) to 190 in the final instrument. Only those items that elicited rich response data were included in the final instrument (Hager, 1970:69). Based on the findings of the first study (1970) and formulations for the second study the opinionnaire was reduced to 177 items.

Table 3.2--Glossary of Terms and Abbreviations.

ALCOHOL	ALCOHOL CONSUMPTION(ALCOHOL)
AFFECTD	AFFECT DEPRIVATION(AFFECTD)
AUTH	AUTHORITARIANISM(AUTH)
AVALD	DRUG AVAILABILITY(AVALD)
BONDING	FAMILY AND COMMUNITY BONDING(BONDING)
BONDS	CURVILINEAR FOR BONDING(BONDS)
BONDS6	PARCDC FAITH POLICEP SCHOOLP TEACHRP AUTH(BONDS6)
BONDS7	FAITH POLICEP SCHOOLP TEACHRP AUTH(BONDS7)
CB	COMMUNITY BONDING(CB)
CB5	FAITH POLICEP AUTH PARCDC SCHOOLP TEACHRP CLASSES(CB5)
CHURCHP	CHURCH PERCEPTION(CHURCHP)
CLASSES	SCHOOL CLASSES(CLASSES)
COLLO	COLLEGE ORIENTATION(COLLO)
DELBEH	NONCONFORMING BEHAVIOR(DELBEH OR NONCBEH)
DELBEH5	DRUGS ALCOHOL GENDEL AVALD SMOKE DELSC(DELBEH5)
DELBEH6	DRUGE ALCOHOL GENDEL AVALD SMOKE(DELBEH6)
DELBEH7	DRUGS ALCOHOL GENDEL AVALD(DELBEH7)
DELBEHS	CURVILINEAR FOR NONCONFORMITY(DELBEHS)
DELSC	DELINQUENT SELF-IMAGE(DELSC)
DEPRESS	DEPRESSION(DEPRESS)
DRUGS	DRUG USAGE (DRUGS)
DSCFC6	DELINQUENT SELF CONCEPT AND FAMILY CONFLICT(DSCFC6)
DX31	FATHER SOME HIGH SCHOOL(DX31)
DX32	FATHER GRADUATED FROM HIGH SCHOOL(DX32)
DX33	FATHER SOME COLLEGE(DX33)
DX34	FATHER GRADUATED FROM COLLEGE(DX34)
DX35	ATTENDED GRADUATE SCHOOL(DX35)
DX41	CATHOLIC(DX41)
DX42	JEWISH(DX42)
DX43	PROTESTANT(DX43)
DX44	NO RELIGIOUS PREFERENCE(DX44)
DX51	NOT YET DATING(DX51)
DX52	NOT CURRENTLY DATING(DX52)
DX53	DATING, BUT NOT GOING STEADY(DX53)
DX54	GOING STEADY(DX54)
DX55	MARRIED OR ENGAGED(DX55)
DX61	NONE(DX61)]
DX62	ONE(DX62)]
DX63	TWO(DX63) } CHILDREN
DX64	THREE(DX64)]
DX65	FOUR OR MORE(DX65)]
DX72	FIRST BORN(DX72)
DX73	SECOND BORN(DX73)
DX74	THIRD BORN(DX74)
DX75	FOURTH OR LATER BORN(DX75)
DX81	ONLY CHILD(DX81)
DX82	ONLY MALE CHILDREN(DX82)
DX83	ONLY FEMALE CHILDREN(DX83)
DX84	BOTH MALE AND FEMALE CHILDREN(DX84)
DX761	VALUES VOCATIONAL TRAINING(DX761)
DX762	VALUES EDUCATION AT SCHOOL(DX762)
DX763	VALUES SOCIAL LIFE AT SCHOOL(DX763)
DX764	VALUES LEAVING SCHOOL TO WORK(DX764)
DX1751	EXPECTS TO MARRY BEFORE TWENTY(DX1751)
DX1752	EXPECTS TO MARRY IN TWENTIES(DX1752)
DX1753	EXPECTS TO MARRY IN THIRTIES(DX1753)
DX1754	DOES NOT INTEND TO MARRY(DX1754)
DX1755	NOT SURE OF MARRIAGE(DX1755)
DX1761	AMBIVALENT TOWARD MARRIAGE(DX1761)
DX1762	WANTS NO CHILDREN(DX1762)
DX1763	WANTS ONE CHILD(DX1763)
DX1764	WANTS TWO CHILDREN(DX1764)
DX1765	THREE OR MORE CHILDREN(DX1765)

Table 3.2--Glossary of Terms and Abbreviations (Continued).

ESTRESS	EMOTIONAL STRESS(ESTRESS)
FAITH	FAITH IN PEOPLE(FAITH)
FAMILYC	FAMILY CRISIS(FAMILYC)
FB	FAMILY BONDING(FB)
FB7	PARCDC AND PARACC(FB7)
GENDEL	GENERAL DELINQUENCY(GENDEL)
GRP1	FIVE LEVELS OF SEXUAL ACTIVITY(GRP1)
GUILT	GUILT(GUILT)
MINSTRP	MINISTER PERCEPTION(MINSTRP)
MXSD	INTERACTION OF STRESS AND NONCONFORMITY(MXSD)
MX5S	INTERACTION OF DATING AND STRESS(MX5S)
MX1X5BD	INTERACTION OF AGE DATING BONDING & NONCONFORMITY(MX1X5BD)
MX1X5BS	INTERACTION OF AGE DATING BONDING & STRESS(MX1X5BS)
NONCBEH	NONCONFORMING BEHAVIOR(DELBEH OR NONCBEH)
PARACC	PARENTAL ACCEPTANCE(PARACC)
PARCDC	PARENT CHILD COMMUNICATION(PARCDC)
PARCONG	PARENTAL CONGENIALITY(PARCONG)
PHYSWBR	PHYSICAL WELL BEING(PHYSWBR)
POLICEP	POLICE PERCEPTION(POLICEP)
PSTRESS	PHYSICAL STRESS(PSTRESS)
RAGE	RAGE(RAGE)
RELGITY	RELGIOSITY(RELGITY)
REL5	CHURCHP AND RELGITY(REL5)
REL6	MINSTRP AND CHURCHP(REL6)
REL7	CHURCHP AND RELGITY(REL7)
SB	UNWEIGHTED MEASURE OF SEXUAL ACTIVITY(SB)
SB3	SB RECODED TO FIVE LEVELS OF SEXUAL ACTIVITY(SB3)
SCHOOLP	SCHOOL PERCEPTION(SCHOOLP)
SELFCOL	SELFR AND COLLO(SELFCOL)
SELCOL6	SELF REGARD AND CLASSES(SELCL6)
SELFR	SELF REGARD(SELFR)
SMOKE	SMOKING CIGARETTES(SMOKE)
STRES	CURVILINEAR FOR STRESS(STRES)
STRESS	STRESS(STRESS)
STRESS5	SUICIDE RAGE DEPRESS AFFECTD GUILT(STRESS5)
STRESS6	RAGE DEPRESS AFFECTD SUICIDE GUILT(STRESS6)
STRESS7	PHYSWBR RAGE DEPRESS AFFECTD SUICIDE GUILT(STRESS7)
SUICIDE	SUICIDAL BEHAVIOR AND THOUGHTS(SUICIDE)
SXABC	PARTIALLY WEIGHTED MEASURE OF SEXUAL ACTIVITY(SXABC)
SXBEH	FULLY WEIGHTED MEASURE OF SEXUAL ACTIVITY(SXBEH)
SXBER	SXBEH RECODED TO FIVE LEVELS OF SEXUAL ACTIVITY(SXBER)
TEACHRP	TEACHER PERCEPTION(TEACHRP)
X1	AGE(X1)
X1S	CURVILINEAR FOR AGE(X1S)
X175624	MARRY IN TWENTIES AND HAVE THREE CHILDREN(X175624)
X175641	AMBIVALENCE TOWARD MARRIAGE(X175641)
X2	SEX(X2)
X4	RELIGION(X4)
X3	FATHER'S EDUCATION OR SOCIAL CLASS(X3)
X5	DATING(X5)
X5S	CURVILINEAR FOR DATING(X5S)
X6	NUMBER OF SIBLINGS(X6)
ZSB1	Z SCORE OF SB(ZSB1)
ZSXABC	Z SCORE OF SXABC(ZSXABC1)
ZSXBEH1	Z SCORE OF SXBEH(ZSXBEH1)

Content validity was concurrently established by subjecting each potential item from the 1970 opinionnaire to a panel of judges composed of three professional behavioral scientists, Hager, Vener, and Stewart. To be included in an index, all three judges had to agree that the item measured the dimension stated. In this manner five to ten potential items were constructed for each index desired.

The tentative indexes compiled in the above manner were then subjected to a pre-test composed of a non-random sample of 565 undergraduate students attending summer school at Michigan State University in 1969. This pre-test provided a quantitative check for the distribution of cases along a five-point response continuum from "strongly disagree" to "strongly agree." The discriminating power of each potential item was assessed and adjusted where possible to maximize the power of the item to discriminate among respondents. Low discriminating items were discarded. The pre-test also included opportunities for open-ended reactions from respondents. These comments were used to further modify and clarifiy some items, and served as a limited empirical assessment of the original validity judgments (Hager, 1970: 70).

Reliability

The final and most stringent reliability check was gained from the process of index correlation based on the consistency of responses by the 4, 230 students in the study

of 1970. Cronbach's alpha was computed for each scale in the 1973 study using subprogram reliability from SPSS User's Guide Supplement (1976). Alpha is a widely used reliability coefficient.

The product-moment correlation of each item to the total sum of all potential items in each index was computed, resulting in item-total index correlations. The selection of an appropriate correlational criterion value is arbitrary, with no standardized limits. For purposes of this study, a standard was established that only those items showing a corrected item-total correlation between .20 and .80 were to be included in any index. This resulted in the rejection of some items even though they were statistically significant. The lower limit of .20 (thereafter called the "minimal criterion value") was established to insure the strength of each index. The upper limit of .80 was established because any item reaching such a high correlation with the total index is essentially measuring the same thing and inclusion of it would be redundant, and would increase the probability of a skewed distribution. This process of index correlation assures that the items in the index are measuring in the same direction along a dimension, and at the same time gives an indication of the strength of the index. Summary scales of bonding, stress, and nonconforming behavior used all items that were part of the individual scales and did not adhere to the above limits. The results of this process

are found in Table 3.3. Physical Well Being had the lowest alpha .53 and Sexual Behavior the highest .94. All scales in their between measures F were significant at the .001 level. Twenty-two of the scales had nonadditivity significance levels at .0001.

In conjunction with the above measures principal component factor analysis using varimax rotation was used to determine the patterning of variables for data reduction and for the construction of indices. A description of the factor analysis is found in Appendix A.

Summary of Validity and Reliability

The validity of the opinionnaire rested upon four methods of insuring that the instrument measured what it purported to measure. First, the items were constructed or selected on the basis of face validity. That is, did the item appear to measure the dimension desired? Pre-test and depth interviews with students assisted in this process. Secondly, content validity was established by competent professional behavioral scientists who had to agree that the item measured the factor considered. Thirdly, principal component factor analysis using varimax rotation was used to insure the indexes loaded as factors. The fourth validity check consisted of subjecting all items to the process of item-total index correlation, which required all items in an index to measure along the same dimension.

Criteria for including a variable in an index are (1)

TABLE 3.3--RELIABILITY COEFFICIENTS AND F VALUES FOR COMPUTED INDEXES.

	INDEXES	ALPHA	F FOR BETWEEN MEASURES	F FOR NONADDITIVITY
SB	UNWEIGHTED MEASURE OF SEXUAL ACTIVITY(SB)	.94	1745	761
BONDING	FAMILY AND COMMUNITY BONDING(BONDING)	.93	318	42
FB	FAMILY BONDING(FB)	.91	349	92
PARCDC	PARENT CHILD COMMUNICATION(PARCDC)	.83	213	63
PARACC	PARENTAL ACCEPTANCE(PARACC)	.83	405	45
PARCONG	PARENTAL CONGENIALITY(PARCONG)	.91	102	LT1
CB	COMMUNITY BONDING(CB)	.90	291	173
POLICEP	POLICE PERCEPTION(POLICEP)	.75	366	LT1
CHURCHP	CHURCH PERCEPTION(CHURCHP)	.78	33	3
MINSTRP	MINISTER PERCEPTION(MINSTRP)	.71	58	9
SCHOOLP	SCHOOL PERCEPTION(SCHOOLP)	.67	340	LT1
TEACHRP	TEACHER PERCEPTION(TEACHRP)	.75	128	14
RELGITY	RELGIOSITY(RELGITY)	.86	156	56
AUTH	AUTHORITARIANISM(AUTH)	.70	371	39
FAITH	FAITH IN PEOPLE(FAITH)	.54	767	109
COLLO	COLLEGE ORIENTATION(COLLO)	.76	314	3
NONCBEH	NONCONFORMING BEHAVIOR(DELBEH OR NONCBEH)	.85	857	29
SMOKE	SMOKING CIGARETTES(SMOKE)	.87	1189	61
ALCOHOL	ALCOHOL CONSUMPTION(ALCOHOL)	.77	195	90
DRUGS	DRUG USAGE (DRUGS)	.84	401	1827
AVALD	DRUG AVAILABILITY(AVALD)	.93	632	139
GENDEL	GENERAL DELINQUENCY(GENDEL)	.81	390	1009
STRESS	STRESS(STRESS)	.85	857	29
PSTRESS	PHYSICAL STRESS(PSTRESS)	.62	1177	45
SUICIDE	SUICIDAL BEHAVIOR AND THOUGHTS(SUICIDE)	.73	301	700
PHYSWBR	PHYSICAL WELL BEING(PHYSWBR)	.63	819	122
ESTRESS	EMOTIONAL STRESS(ESTRESS)	.84	794	156
FAMILYC	FAMILY CRISIS(FAMILYC)	.72	33	132
DEPRESS	DEPRESSION(DEPRESS)	.77	212	LT1
AFFECTD	AFFECT DEPRIVATION(AFFECTD)	.72	270	3
RAGE	RAGE(RAGF)	.77	585	29
SELFR	SELF REGARD(SELFR)	.66	247	14
GUILT	GUILT(GUILT)	.66	297	LT1

LT1=LESS THAN ONE

the item has a corrected item-total correlation between .20 and .80, or (2) a factor loading of at least .30 on the variable associated with that factor, or (3) the variable has conceptual relevance or practical relevance in the construction of the index. In most cases all three criteria apply; where deviations occur they are explained in Appendix A.

Variables

The variables used in this study fell into four broad categories of family structure, bonding, stress, nonconforming behavior and the dependent variable, heterosexual behavior.

Procedures employed to ready the variables for data analysis were as follows. Nominal variables were dichotomized for correlation and regression procedures. Variables construed as indexes were used as both continuous variables, or were broken into categories of one through five, the same cut offs were used for all indexes, for analysis of variance and categorical analysis. Sexual behavior was similarly used as a categorical and as a continuous variable. For the categorical variable the five categories of (1) no sexual activity, (2) kissing and hugging, (3) light and heavy petting, (4) intercourse with one partner, and (5) intercourse with two or more partners were formed to indicate the highest level of sexual activity engaged in by the adolescent. The process for arriving at these five categories is discussed in Appendix A.

As described earlier, cases with more than thirty-one missing values were deleted from the file. On most procedures the default option handling missing data was employed. This is listwise deletion which eliminated a case from the analysis if there are any missing values. This usually results in a larger shrinkage of cases than pairwise deletion, however, it has the distinct advantage of having the same number of cases for all statistics in a given procedure.

Design of the Analysis

The choice of proper data analysis techniques is governed by time, money, and level of conceptual understanding of the statistical techniques to be used, as well as the appropriateness of the techniques in relation to the data. The purposes of the present study are best met by the use of a variety of statistical tests: chi-square contingency procedures, correlational analysis (zero-order and partials), T-Tests, analysis of variance, factor analysis, Guttman Scale Analysis, multiple regression, and multiple discriminant analysis. These techniques provide measures of statistical significance, strength of association, between and within group variance, variance accounted for, contrasts between groups and the grouping of individuals from predictor variables. All of these procedures are essential to a full analysis of the data. The .01 level will be the level of rejection for all hypotheses.

Contingency analysis will be used for testing relationships between five levels of sexual conformity and the independent variables. Chi-square procedures will be used as a test of the existence of association.

The one-way analysis of variance is a parametric statistic which tests whether the independent samples have come from the same or different populations. Assumptions underlying the "F" ratio and all other interval statistics are (1) scores were sampled at random, (2) samples were from normal populations, (3) homogeneity of variance (homoscedasticity), (4) different samples were independent, (5) an interval level of measurement has been obtained, and (6) the hypotheses imposed for testing were true.

If the F ratio is large then we shall conclude that one of the above is false. Assumptions 1, 4, and 5 are most often met and recognized. Inferences based on the F statistic are not seriously distorted by violations of assumptions 2 and 3 (normality and homoscedasticity) (Box and Watson, 1962; Norton, 1952:252; Namboodiri et al., 1975: 88-89). Therefore, most of the distortion of the F statistic will ordinarily be produced by the false hypotheses. When F is large we are usually safe in rejecting the hypotheses which we are testing.

Phillips (1966:269) has stated that:

> Statistical assumptions must not be turned into prohibitions against particular kinds of experiments...these assumptions should be borne in mind...in matching the particular experimental situation with appropriate forms of analysis.

In this data analysis, statistical conclusions were not based solely on a significant "F." The "F" examined the relationship between the five levels of sexual conformity. The "F" ratio provides an overall measure of the data set and as Hays (1963) has indicated a significant "F" is a signal for further analysis.

Zero-order correlation was used for initial tests of the direction and magnitude of hypotheses. This gave us a measure of whether a hypothesis was in the predicted direction--positive or negative and the strength of the relationship.

Multiple and partial correlation along with regression analysis were used to measure associations between the independent variables and the dependent variable in order to control for the relationship between the independent variables. Controlling for the effects of the independent variables is necessary for a reduction of the number of independent variables in the regression model.

The purpose of the regression analysis is to predict adolescent sexual behavior from the variables of family structure, bonding, stress, and nonconforming behavior. Generally it is desirable to examine several predictor variables simultaneously in light of the consideration that their joint effect will provide a more accurate prediction of the criterion variable. This strategy provides statistical control for confounding factors.

The most important uses of the technique as a descriptive tool are: (a) to find the best linear prediction equation and to evaluate its accuracy; (b) to control for confounding factors in order to evaluate the contribution of a specific variable or set of variables; and (c) to find structural relations and provide explanation for seemingly multivariate relationships, such as is done in path analysis.

Discriminant analysis, an elaboration of regression analysis, was the method used to assess how accurately the independent variables predicted the five levels of the dependent variable.

Discriminant analysis was used as a method for discriminating between the five levels of sexual behavior. The discriminating variables are the independent variables used in this study. The mathematical objective of discriminant analysis is to weight and linearly combine the discriminating variables in order for the groups to be as statistically distinct as possible. Put another way, we are seeking the best linear combination of variables that will maximize the differences between the groups relative to the differences within the groups. This is essentially an analysis of variance way of thinking or regression if only two groups are involved. Assumptions regarding the discriminating variables are that they are a multivariate normal distribution and equal variance-covariance matrices within each group. Generally the technique is very robust and minor violations of the assumptions do not seriously dis-

tort the results. A more complete description of regression and discriminant analysis can be found in Appendix C. The method of analysis will proceed through the following steps:

1. Contingency analysis, chi-square will examine the association between all the independent variables and the five levels of sexual conformity.
2. One-way analysis of variance will be used with the resulting F to indicate differences in the association between the dependent variables and the independent variable (five levels of sexual conformity).
3. T-Tests will be used as contrasts with the one-way ANOVA to determine where the differences lie. An analysis of the contrasts will give us comparisons of the differences between the different levels of sexual conformity for males and females.
4. Correlation analysis will give direction and strength of relationships for zero-order and partial correlations.
5. Multiple regression will examine the predictive power of the independent variables in relation to sexual behavior. The F statistic will be used as a measure of a significant contribution to the regression.
6. Multiple discriminant analysis will examine the independent variables as predictions of the five levels of sexual behavior.

The data analysis will examine all subjects together and males and females separately in order to examine the separate and combined effects of sex. The .01 level of significance will be the level needed for acceptance of the hypothesis. If three tests are done then the hypothesis must be in the stated direction and significant on two of the three tests. If two tests are done then the hypothesis must be significant on one of the two. If one test is done then the hypothesis must be significant on that test.

CHAPTER IV

ANALYSIS OF THE DATA

Introduction

The analysis of the data will be presented in three parts. The first part is a set of contingency tables on age, sex, and level of sexual activity. In Appendix B the reader may find a continuation of this analysis for all variables giving the mean, standard deviation, Wilks' Lambda U Statistic for a test between means, and correlation matrices. From these presentations it is hoped that the reader will become familiar with the basic data set, especially where similarities and differences exist. Secondly, we will test the individual hypotheses using chi-square, correlation analysis, and one-way analysis of variance. For acceptance the hypothesis must be significant at the .01 level on two of the three above mentioned statistics or significant on one of two tests, and always in the stated direction. Finally all variables and their subsets will be used to examine their impact on sexual behavior from a multivariate approach. Statistics to be employed at this level of analysis will be multiple regression and discriminant procedures.

Contingency Analysis

The relationship between age, sex, and level of sexual activity is presented in Table 4.1. The chi-square for all subjects and males and females separately is significant at the .0001 level.

TABLE 4.1--SEXUAL ACTIVITY LEVEL OF MALES AND FEMALES BY AGE (PERCENTAGE)

SEXUAL ACTIVITY LEVEL	AGE 12		13		14		15		16		17		N=M	N=F
SEX	M	F	M	F	M	F	M	F	M	F	M	F		
NO SEX	31	14	17	14	10	10	4	8	8	6	8	.5	110	96
KISS & HUG	31	48	21	38	30	31	23	22	21	17	13	13	250	303
PETTING	19	29	33	39	29	44	37	47	33	48	45	52	325	499
COITUS ONE P	9	9	12	6	16	10	16	12	15	17	11	21	137	138
COITUS MUL P	10	3	17	4	15	6	21	11	23	13	23	14	189	96
N=M AND F	80	104	180	218	218	217	190	218	171	190	172	185	1011	1132

F=FEMALES
M=MALES
N=NUMBER
P=PARTNER(S)

From an inspection of table 4.1 we can see that as age increases, sexual behavior increases for both males and females. This is most accurately reflected in the statistic gamma (G) which is the number of concordant pairs (P) minus the number of discordant pairs (Q) divided by the total number of united pairs (P+Q). Concordance exists when the ordering of a pair of cases on the first variable is the same as their ordering on the second variable. If the ordering is reversed, this constitutes a discordant pair. Thus, gamma is positive if concordant pairs

predominate and negative if discordant pairs prevail. A value of zero means they are equal. Also the value of gamma can be taken as the probability of correctly guessing the order of a pair of cases on one variable once the ordering of the other variable is known (Nie et al., 1975:225-229). The gamma for males is .20 and females .38. The zero-order G is .28 and partial G .29. From this we can conclude that as age increases, so does sexual behavior and that increase is stronger for females.

Examining the percentages by rows for males and females we observe that males report not engaging in sexual activity (level one) more often than females except for ages fourteen and fifteen. For kissing and hugging (level two) females report more often this being their highest level of sexual activity at earlier ages. Males consistently report petting (level three) as their highest level of sexual activity. For intercourse with one partner (level four) females at ages sixteen and seventeen are represented more often than males. Finally having intercourse with two or more partners (level five) males are consistently higher than females. Thus males and females differ in that males more often have not engaged in any sexual activity or have had intercourse with two or more partners or have petted. Females at younger ages more often kiss than males; females at older ages will have had intercourse with one partner.

Summary

The relationships between age, sex, and sexual activity are highly consistent--as age increases sexual behavior increases for both males and females. The relationship is stronger for females than for males. Our next task is to begin the testing of individual hypotheses and their relationship to sexual behavior.

Test of Bivariate Hypotheses

The relationship of the independent variables to sexual activity level follows. Table 4.2 presents the one-way analysis of variance (D.F.=4) which examines the differences between the five levels of sexual activity, the zero-order correlations, which examine the strength and direction of relationships among the variables, and the chi-square analysis which examines the relationship between the five levels of sexual activity and the independent variables for all subjects, and males and females separately. Table 4.3 provides ten *a posteriori* contrasts (Kirk, 1968:86-97) between all combinations of the five levels of sexual conformity.

We will now move on to the test of the hypotheses for the four classes of variables--family and structural variables, bonding, nonconforming behavior, and stress.

Family and Structural Variables

Except in one case all hypotheses in this section are accepted for males or females. For same and opposite

TABLE 4.2--TEST OF BIVARIATE HYPOTHESES FOR ALL SUBJECTS, MALES, AND FEMALES.

HYPOTHESES NUMBER AND DIRECTIONAL PREDICTION			ONEWAY ANOVA F VALUES			ZERO ORDER CORRELATIONS			CHI SQUARE ANALYSIS			HYPOTHESIS ACCEPTED BY SEX
			ALL	M	F	ALL	M	F	ALL	M	F	
						FAMILY AND STRUCTURAL VARIABLES						
H 1:	-	FATHER'S EDUCATION (SOCIAL CLASS)				-.10	-.07	-.13	.000	.000	.000	YES
H 2:	0	RELIGIOUS PREFERENCE							.402	.163	.516	YES
H 3:	+	NO RELIGIOUS PREFERENCE				.12	.14	.08	.000	.000	.000	YES
H 4:	+	FROM A LARGE FAMILY				.06	.08	.04				YES M
H 5:	0	SAME OR OPPOSITE SEX SIBLINGS					-.03	-.02	.726			NO
H 6:	-	FIRST BORN				-.08	-.14	-.00				YES AM
H 7:	+	LATER BORN				.08	.12	.04				YES AM
H 8:	+	DATING BEHAVIOR				.45	.50	.45	.000	.000	.000	YES
H12:	+	EXPECTING TO MARRY AT AN EARLY AGE				.19	.19	.21				YES
H13:	+	DESIRING TO HAVE A LARGE FAMILY				.02	.07	-.00				YES M
H14:	+	MARRY EARLY AND HAVE A LARGE FAMILY				.14	.18	.10				YES
H15:	-V	VALUES VOCATIONAL TRAINING				-.22	-.23	-.19				YES
H15:	-E	VALUES EDUCATION AT SCHOOL				-.05	-.08	-.02				YES M
H16:	+S	VALUES SOCIAL LIFE AT SCHOOL				.17	.20	.11				YES
H16:	+W	PREFERS TO LEAVE SCHOOL AND WORK				.18	.15	.21				YES
						BONDING VARIABLES						
H17:	-	BONDING(BONDING)	61	44	20	-.30	-.35	-.26	.000	.000	.000	YES
H18:	-	FAMILY BONDS(FBONDING)	30	21	12	-.23	-.26	-.21	.000	.000	.000	YES
H19:	-	PARENT CHILD COMMUNICATION(PARCOC)	25	15	10	-.20	-.23	-.20	.000	.000	.000	YES
H20:	-	PARENTAL ACCEPTANCE(PARACC)	27	21	8	-.22	-.26	-.18	.000	.000	.004	YES
H21:	-	PARENTAL CONGENIALITY(PARCONG)	15	10	5	-.14	-.17	-.15	.000	.000	.019	YES
H22:	-	COMMUNITY BONDING(CBO)	62	48	16	-.33	-.40	-.24	.000	.000	.000	YES
H23:	-	POLICE PERCEPTION(POLICEP)	48	37	13	-.27	-.35	-.18	.000	.000	.000	YES
H24:	-	CHURCH PERCEPTION(CHURCHP)	35	22	13	-.25	-.28	-.21	.000	.000	.000	YES
H25:	-	MINISTER PERCEPTION(MINSTRP)	13	10	4	-.16	-.18	-.13	.000	.000	.027	YES
H26:	-	SCHOOL PERCEPTION(SCHOOLP)	25	17	7	-.24	-.25	-.17	.000	.000	.002	YES
H27:	-	TEACHER PERCEPTION(TEACHRP)	36	29	8	-.25	-.31	-.16	.000	.000	.001	YES
H28:	-	RELGIOSITY(RELGITY)	17	14	3	-.17	-.22	-.09	.000	.000	.389	YES AM
H29:	-	AUTHORITARIANISM(AUTH)	45	32	16	-.25	-.31	-.18	.000	.000	.000	YES
H30:	-	FAITH IN PEOPLE(FAITH)	6	2	6	-.10	-.07	-.14	.001	.012	.004	YES
H31:	-	COLLEGE ORIENTATION(COLLO)	43	22	21	-.27	-.26	-.26	.000	.000	.000	YES
H32:	-	SCHOOL CLASSES(CLASSES)	28	20	5	-.23	-.28	-.13	.000	.000	.001	YES
						NONCONFORMITY VARIABLES						
H33:	+	NONCONFORMING BEHAVIOR(NONCBEH)	283	179	101	.55	.60	.46	.000	.000	.000	YES
H34:	+	DELINQUENT SELF-IMAGE(DELSC)	23	17	5	.21	.24	.14	.000	.000	.001	YES
H35:	+	SMOKING CIGARETTES(SMOKE)	174	98	82	.48	.53	.43	.000	.000	.000	YES
H36:	+	ALCOHOL CONSUMPTION(ALCOHOL)	136	84	50	.43	.49	.33	.000	.000	.000	YES
H37:	+	DRUG USAGE (DRUGS)	146	90	54	.49	.53	.41	.000	.000	.000	YES
H38:	+	DRUG AVAILABILITY(AVALD)	135	66	69	.42	.43	.39	.000	.000	.000	YES
H39:	+	GENERAL DELINQUENCY(GENDEL)	247	147	93	.57	.61	.49	.000	.000	.000	YES
						STRESS VARIABLES						
H40:	+	STRESS(STRESS)	41	20	40	.23	.21	.25	.000	.000	.000	YES
H41:	+	PHYSICAL STRESS(PSTRESS)	29	14	19	.23	.23	.26	.000	.000	.000	YES
H42:	+	SUICIDAL ACTIVITY(SUICIDE)	40	16	27	.27	.25	.29	.000	.000	.000	YES
H43:	+	PHYSICAL WELL BEING(PHYSWBR)	4	2	4	.09	.09	.11	.050	.189	.016	YES AF
H44:	+	EMOTIONAL STRESS(ESTRESS)	33	15	19	.25	.24	.25	.000	.000	.000	YES
H45:	+	FAMILY CRISIS(FAMILYC)	22	13	8	.21	.22	.15	.000	.000	.000	YES
H46:	+	DEPRESSION(DEPRESS)	7	2	8	.13	.07	.17	.001	.252	.001	YES AF
H47:	+	AFFECT DEPRIVATION(AFFECTD)	10	4	8	.10	.08	.16	.000	.040	.000	YES
H48:	+	RAGE(RAGE)	35	16	16	.26	.25	.22	.000	.000	.000	YES
H49:	+	SELF REGARD(SELFR)	13	10	7	.07	.14	-.02	.000	.000	.004	YES
H50:	+	GUILT(GUILT)	4	2	3	.08	.08	.10	.001	.007	.042	YES

F GE 5 P=.001
F EQ 5 P=.01
A=ALL SUBJECTS M=MALES F=FEMALES

sex siblings (H5) no differences were found between the levels of sexual activity. The last two columns of Table 4.2 present whether the hypothesis was accepted and for which groups (A = All subjects; F = females; M = males).

Some qualifications for acceptance by sex are that females from large families (H4) and females who were first (H6) or later (H7) born were not significant at the .01 level. Also females desiring a large family (H13) were not significant and females who valued the educational aspects of school (H15E) were not significant.

Bonding

All hypotheses are accepted except for religiosity (H28) among females. The relationship between community bonding and sexual activity is stronger than for family bonding.

Nonconformity

All hypotheses for nonconformity are accepted without qualification.

Stress

Except for physical well being (H43) and depression (H46) among males all hypotheses are accepted. The correlations between physical and emotional stress and sexual activity are similar.

The ten a posteriori contrasts for the five levels of sexual behavior are found in Table 4.3. These contrasts are used in conjunction with the oneway analysis of variance

TABLE 4.3--TEN CONTRASTS FOR THE ONEWAY ANOVA COMPARING MALES AND FEMALES ON THE FIVE LEVELS OF SEXUAL ACTIVITY

	THE CONTRAST GROUPS FOR THE FIVE LEVELS OF SEXUAL ACTIVITY									
	1-2	1-3	1-4	1-5	2-3	2-4	2-5	3-4	3-5	4-5
BONDING	NS	MF	MF	MF	MF	MF	MF	F	MF	M
FB	NS	MF	MF	MF	MF	MF	MF	F	MF	M
PARCDC	NS	MF	MF	MF	MF	MF	MF	NS	M	NS
PARACC	NS	M	MF	NS	MF	MF	NS	NS	M	M
PARCONG	NS	NS	F	MF	F	MF	MF	NS	M	M
CB	NS	MF	MF	MF	MF	MF	MF	M	MF	M
POLICEP	NS	MF	MF	MF	MF	MF	MF	NS	M	M
CHURCHP	NS	F	MF	MF	MF	MF	MF	NS	MF	MF
MINSTRP	NS	NS	NS	MF	M	M	MF	NS	M	NS
SCHOOLP	NS	NS	MF	MF	M	MF	MF	F	MF	NS
TEACHRP	NS	MF	MF	MF	MF	MF	MF	M	M	NS
RELGITY	NS	M	MF	M	M	MF	M	NS	M	M
AUTH	NS	MF	MF	MF	MF	MF	MF	NS	M	M
FAITH	NS	NS	F	NS	NS	F	F	F	NS	NS
COLLO	NS	NS	F	MF	NS	MF	MF	MF	MF	M
CLASSES	NS	NS	M	M	F	MF	MF	NS	M	M
DELBEH	F	MF	MF	MF	MF	MF	MF	MF	MF	M
DELSC	NS	M	M	MF	NS	MF	MF	NS	MF	NS
SMOKE	F	MF	MF	MF	MF	MF	MF	MF	MF	M
ALCOHOL	F	MF	MF	MF	MF	MF	MF	MF	MF	M
DRUGS	F	MF	MF	MF	MF	MF	MF	MF	MF	M
AVALD	F	MF	MF	MF	MF	MF	MF	MF	MF	NS
GENDEL	M	MF	MF	MF	MF	MF	MF	MF	MF	MF
STRESS	NS	F	MF	MF	F	MF	MF	F	MF	M
PSTRESS	NS	NS	F	MF	F	MF	MF	F	MF	M
SUICIDE	NS	F	F	MF	F	MF	MF	F	MF	M
PHYSWBR	NS	NS	NS	MF	NS	NS	F	NS	F	NS
ESTRESS	NS	MF	MF	MF	F	MF	MF	F	MF	NS
FAMILYC	NS	NS	MF	M	NS	MF	MF	F	M	NS
DEPRESS	NS	NS	F	F	NS	F	MF	F	F	NS
AFFECTD	NS	MF	MF	MF	F	F	F	NS	F	NS
RAGE	NS	M	MF	MF	NS	MF	MF	MF	MF	NS
SELFR	F	MF	MF	M	MF	M	M	NS	F	NS
GUILT	NS	NS	NS	F	NS	NS	F	NS	NS	NS

ABBREVIATIONS M=MALES F=FEMALES MF=MALES AND FEMALES

NS=NOT SIGNIFICANT

and provide information as to where there are significant differences. For instance, on parental congeniality (H21) we find that for contrasts 1-2 and contrasts 1-3 the mean differences for parental congeniality are not significant (NS). For contrast 1-4 there are significant differences of at least .01 for females (F) but not for males. On contrast 1-5 both males and females have significant differences between groups one and five; this should not be interpreted to mean that significant differences exist between males and females. Finally for contrast 3-5 on this same variable males (M) are significantly different between groups three and five but females are not significantly different at the .01 level.

Summary

This concludes the hypotheses testing of the bivariate relationships with sexual activity. The hypothesis regarding same and opposite sex siblings was not accepted. Not finding religiosity significant for females was an unexpected result. We will now move on to the multivariate analysis where the colinear effects will be taken into account.

Multivariate Analysis

Discriminant Analysis

The hypothesis "dating will have greater discriminating power than any other variable" has been tested through the use of multiple discriminant analysis. The

analysis proceeded in a fashion partially described by Shanathanan (1975) and partially decided upon by the author whereby six steps were carried out for all subjects together and males and females separately. That procedure is:

1. A multiple discriminant analysis (MDA) of all variables entered at once to see the full effect of their discriminating power.
2. A stepwise MDA and include variables until the F to enter drops below 1.0.
3. A second stepwise MDA using those variables which did not enter in the above analysis.
4. A factor analysis of the variables retained in the first two MDA, but keep dating separate regardless of how it factors.
5. A MDA on the resulting factors and including curvilinear and interaction terms at this juncture.
6. A comparison of step one to step five in order to find the difference in classification power using both methods of analysis.

This method has helped to achieve parsimony by excluding those variables that contributed little to the discrimination process. Information from the initial direct method, step one, provided an estimate of how much classification power all of the variables had when entered at once. A limitation of the direct method is that it does not provide classification functions along with the discriminant

functions as is provided in the MDA using a stepwise procedure. A comparison between the classification power found in step one as compared to step five gives us an estimate of the change taking place as the variable set is reduced.

Direct Method

Table 4.4 presents the discriminant function coefficients and group centroids for all subjects taken together and for males and females separately. The salient features for all subjects are that three functions are significant with dating (X5) alcohol, general delinquency, availability of drugs, and smoking being the most important variables contributing to function one. These variables are the best classifiers for membership in groups three to five (groups are equivalent to levels of sexual activity) as heavy petters and intercourse with one or multiple partners. Each variable had a positive loading as did the centroids for groups 3, 4, and 5. On function one it was found that being first born (DX72) had the highest negative loading of -.126 thus being predictive of membership in groups one or two--no sex or kissing and hugging. When moving from function to function, the picture becomes less clear because less variance is accounted for as can be seen in functions two and three.

The first function may be compared similarly to a factor in factor analysis under which circumstances positive loadings indicate a form of peer activity which involves

Table 4.4--Standardized Discriminant Function Coefficients and Group Centroids for All Subjects, and for Males and Females (Direct Method).

All

DISCRIMINANT FUNCTION	EIGENVALUE	RELATIVE PERCENTAGE	CANONICAL CORRELATION
1	1.10433	81.32	.724
2	.18614	13.71	.396
3	.04340	3.20	.204

STANDARDIZED DISCRIMINANT FUNCTION COEFFICIENTS

	FUNC 1	FUNC 2	FUNC 3
X1	.07034	.07434	.08355
X2	-.00217	.16417	.19720
X4	.01790	-.17756	-.01194
X5	.42112	.45272	.09400
X6	-.01495	.01587	-.05899
PARCDC	.01265	-.06669	.29916
PARACC	-.01453	.00972	-.06158
PARCONG	.02143	.04298	-.22445
FAITH	-.00271	-.04228	.26101
POLICEP	.03807	-.12251	.01578
CHURCHP	-.02497	.13187	-.24195
MINSTRP	-.03391	.05700	-.08770
SCHOOLP	-.00202	.05391	.16880
TEACHRP	.00555	-.03199	-.14670
RELGITY	.00637	-.06278	.11525
AUTH	-.03457	-.15828	-.06514
DELSC	.01546	.02912	.01469
DRUGS	.04902	-.44596	-.32317
ALCOHOL	.15762	.01320	.14453
GENDEL	.27729	-.36553	.53151
SUICIDE	-.00016	-.10121	.08685
PHYSWBR	.02187	-.06192	.11950
FAMILYC	.00577	-.03337	-.18065
RAGE	.00152	-.08414	-.35953
DEPRESS	-.04518	.16684	.02701
AFFECTD	.06842	.04602	.09313
SELFR	.09719	.09900	-.04548
GUILT	.05101	.03750	.08269
CLASSES	.01902	-.04478	-.09834
AVALD	.16029	.11034	-.20138
COLLO	-.05450	.25809	.08803
SMOKE	.13939	.12446	.02186
DX31	.02534	-.12293	-.31573
DX32	-.02721	-.11015	-.23629
DX33	.00238	-.12166	-.13497
DX34	-.03154	-.12089	-.06026
DX72	-.12624	-.12207	-.19178
DX73	-.08352	-.05879	-.00083
DX74	-.05031	-.00107	-.27010
DX81	-.01051	-.11285	.05778
DX761	-.04265	.05041	.09417
DX762	-.00323	.21311	-.06756
DX763	.00976	.14851	-.03259
DX1751	.00976	-.04392	-.62966
DX1752	-.02470	.02259	-.06602
DX1753	.00157	-.01309	-.05747
DX1754	.03880	-.09098	-.02639
DX1761	-.10335	-.11066	.06817
DX1762	-.00356	-.00123	-.01475
DX1763	.00271	.09682	-.13168
DX1764	-.00374	.05650	-.14724

CENTROIDS OF GROUPS IN REDUCED SPACE

	FUNC 1	FUNC 2	FUNC 3
GROUP 1	-1.16760	-.51072	-.00970
GROUP 2	-.78093	-.05561	-.03789
GROUP 3	.20218	.39633	.13021
GROUP 4	.70347	.06317	-.48835
GROUP 5	1.08309	-.72322	.17414

Males

DISCRIMINANT FUNCTION	EIGENVALUE	RELATIVE PERCENTAGE	CANONICAL CORRELATION
1	1.32069	82.87	.754
2	.19919	12.50	.408

STANDARDIZED DISCRIMINANT FUNCTION COEFFICIENTS

	FUNC 1	FUNC 2
X1	-.04056	.20459
X4	-.05870	-.19478
X5	-.33831	.37373
X6	.02752	-.04483
PARCDC	.01189	-.04582
PARACC	.02114	-.07442
PARCONG	.00923	.11772
FAITH	-.03728	-.09567
POLICEP	-.02709	-.07054
CHURCHP	.04593	.14612
MINSTRP	.05606	.04561
SCHOOLP	.04462	.06796
TEACHRP	.01320	-.10233
RELGITY	.01830	-.11133
AUTH	-.00194	-.13324
DELSC	-.04520	.16644
DRUGS	-.09106	-.52280
ALCOHOL	-.16522	-.05592
GENDFL	-.23457	-.28537
SUICIDE	.02323	-.13246
PHYSWBR	.00073	-.01976
FAMILYC	-.00589	-.05891
RAGE	-.03095	.08591
DEPRESS	.10205	-.05547
AFFECTD	-.05236	.14161
SILFR	-.13072	.06453
GUILT	-.05436	.05750
CLASSES	-.02053	.03116
AVALD	-.15056	.24063
COLLO	.06249	.23475
SMOKE	-.12532	-.02293
DX31	.00375	-.06438
DX32	.02821	-.17779
DX33	-.00113	-.13199
DX34	.03878	-.15298
DX72	.15728	-.15994
DX73	.09872	-.16275
DX74	.08066	-.01450
DX81	.02929	-.08575
DX761	.06676	-.03351
DX762	.06568	.00372
DX763	.02182	.13704
DX1751	-.02577	-.07663
DX1752	.00671	.10784
DX1753	-.02813	.00099
DX1754	-.09892	-.11491
DX1761	.06370	-.15622
DX1762	-.01566	-.06959
DX1763	.01816	.18065
DX1764	-.01671	.10016

CENTROIDS OF GROUPS IN REDUCED SPACE

	FUNC 1	FUNC 2
GROUP 1	1.07600	-.65326
GROUP 2	.78652	-.02767
GROUP 3	-.06900	.44263
GROUP 4	-.56216	.23949
GROUP 5	-1.14135	-.51163

Females

DISCRIMINANT FUNCTION	EIGENVALUE	RELATIVE PERCENTAGE	CANONICAL CORRELATION
1	1.07281	79.65	.719
2	.15518	11.52	.367
3	.08210	6.10	.275

STANDARDIZED DISCRIMINANT FUNCTION COEFFICIENTS

	FUNC 1	FUNC 2	FUNC 3
X1	-.07485	.16279	.04348
X4	.03376	.14483	.12432
X5	-.50346	-.42895	-.10737
X6	-.00846	-.05234	.03351
PARCDC	-.01334	.04719	-.24855
PARACC	-.02738	-.02108	.02719
PARCONG	-.04432	-.01662	.07757
FAITH	.02451	-.05631	-.30113
POLICEP	-.03806	.23339	-.14993
CHURCHP	-.00017	-.13115	.38072
MINSTRP	.00394	-.08563	.11108
SCHOOLP	-.01836	-.03068	-.13275
TEACHRP	-.04676	-.00573	.23650
RELGITY	-.02963	.07462	-.22920
AUTH	.06592	.11183	.01232
DELSC	.03054	.04517	-.04144
DRUGS	.00080	.40653	.35180
ALCOHOL	-.14348	-.15651	-.13945
GENDEL	-.25513	.17647	-.43904
SUICIDE	-.02143	.13533	-.11126
PHYSWBR	-.01456	.08071	-.22940
FAMILYC	-.00214	.01645	.25454
RAGE	.04528	.25431	.17107
DEPRESS	-.04947	-.33285	.21280
AFFECTD	-.06403	.03219	-.24258
SELFR	-.06294	-.23352	.00347
GUILT	-.03434	-.04601	-.14446
CLASSES	-.00060	.16199	.02941
AVALD	-.15850	.02367	.09934
COLLO	.09785	-.27665	.06230
SMOKE	-.18341	-.07264	-.03995
DX31	-.03309	.25874	.16904
DX32	.02000	.08365	.24527
DX33	-.00425	.10309	.07627
DX34	.02576	.12111	.01353
DX72	.09432	.16050	.08827
DX73	.07023	-.01951	-.05239
DX74	.02707	.02251	.13903
DX81	.00596	.21368	-.11613
DX761	-.00170	-.22025	-.12632
DX762	-.10916	-.52481	.09506
DX763	-.05314	-.24921	.08129
DX1751	.00264	.07132	.65897
DX1752	.05217	.37804	.10366
DX1753	.02847	-.02183	.02679
DX1754	.03320	-.07084	.19854
DX1761	.10512	.13695	-.15216
DX1762	-.00097	-.35446	.06182
DX1763	-.03117	.33953	.05135
DX1764	.00939	-.01244	.01820

CENTROIDS OF GROUPS IN REDUCED SPACE

	FUNC 1	FUNC 2	FUNC 3
GROUP 1	1.29791	.47329	-.01630
GROUP 2	.80976	-.03916	.07540
GROUP 3	-.33418	-.30303	-.13186
GROUP 4	-.84850	.22600	.63889
GROUP 5	-.65455	.88800	-.44159

trying out adult roles. The highest negative loadings were for first born and those who are ambivalent toward marriage.

On function two dating (X5) again loaded in a strong positive direction along with smaller loadings (above .10) on sex (X2), church perception, depression, availability of drugs, college orientation, valuing educational and school activities (DX762), and those valuing social life plus some school work to get by (DX763). These variables were predictive of membership in petting primarily and to a small degree intercourse with one partner--groups three and four. Factors predictive of membership in groups one, two, and five had negative loadings on function two. The highest loading was on drugs and general delinquency with both being predictive of membership in group five along with suicide. Low social class (DX31) was clearly predictive of membership in group five. This was ascertained by examining the fluctuation of the means in Table B.5 in Appendix B. Variables most predictive of membership in groups one and two were police perception, authoritarianism, middle class (DX32) or upper class (DX34), being first born (DX72) or an only child (DX81), and not knowing if one is getting married or having kids (DX1761). Variables on function two, which did not clearly predict membership in either group one or five, are religion (X4) and being from the upper middle class (DX33). They appeared to be more predictive of membership in group five, but their bi-modal distribution made this

uncertain. Function three, our least significant (.003) discriminant function for all subjects, had negative loadings on variables predicting membership in groups two and particularly four. The variables of parental congeniality, church and teacher perception, social class (DX32 and DX33), and being first born (DX72) were predictive of membership in group two--kissing and hugging. Variables most predictive of membership in group four, intercourse with one partner, were drugs, family conflict, rage, availability of drugs, low social class (DX31), being later born (DX74), marrying before 20 (DX1751), and desiring a medium to big family (DX1763 and DX1764). General delinquency, alcohol, and physical well being had the highest positive loadings on function three which were reflective of membership in group five, more than one intercourse partner, whereas parent child communication, faith, school classes, and college orientation were reflective of membership in group three.

The most salient findings of these three discriminant functions for all subjects were that dating and general delinquency were the most prominent variables predicting membership at levels 3, 4, or 5 on function one, but neither achieved their highest loading on function one; the highest negative loadings were for being first born and being ambivalent toward marriage. Of the variance accounted for (sum of the canonical correlations squared) by all three functions (69 per cent), function one accounts for 81 per cent

of the explained variance.

Dating loaded the highest on function two, and was most predictive of sexual activity at levels three and four. The same is true for drugs; it also had a negative loading but it was found to be predictive of sexual activity at level five. Function two accounted for 14 per cent of the total variance accounted for by all the functions. Finally, on function three rage, low social class (DX31) and marrying before age 20 (DX1751) were most predictive of membership at level four--intercourse with one partner. Loadings were also higher for these variables than they were on any of the other functions. General delinquency and parent-child communication were predictive of being in level three or five and again these variables achieved their highest loadings. Function three however accounted for only three per cent of the total variance although significant (.003).

Table 4.5 depicts the percentage of cases which are correctly classified. Overall this is 51.3 per cent. One should take notice of the monotonic relationship of the groupings off the diagonal. The best predictions were for group one and five (68 and 60 per cent respectively) with groups two and three being in the high forties and group four the lowest (42 per cent). The percentage of cases classified is probably somewhat inflated since no attempt was made to crossvalidate in this study.

Salient features of the differences between males and females on the first discriminant direct runs, using all

Table 4.5--Percent of Cases Correctly Classified for All Subjects, and for Males, and Females (Direct Method).

ALL

ACTUAL GROUP	NO. OF CASES	PREDICTED GROUP MEMBERSHIP GP. 1	GP. 2	GP. 3	GP. 4	GP. 5
GROUP 1*	203.	137. 67.5%	57. 28.1%	2. 1.0%	3. 1.5%	4. 2.0%
GROUP 2	543.	161. 29.7%	263. 48.4%	95. 17.5%	15. 2.8%	9. 1.7%
GROUP 3	811.	45. 5.5%	140. 17.3%	397. 49.0%	129. 15.9%	100. 12.3%
GROUP 4	271.	15. 5.5%	23. 8.5%	54. 19.9%	114. 42.1%	65. 24.0%
GROUP 5	283.	4. 1.4%	18. 6.4%	37. 13.1%	53. 18.7%	171. 60.4%

PERCENT OF "GROUPED" CASES CORRECTLY CLASSIFIED: 51.26%

Males

ACTUAL GROUP	NO. OF CASES	PREDICTED GROUP MEMBERSHIP GP. 1	GP. 2	GP. 3	GP. 4	GP. 5
GROUP 1	108.	74. 68.5%	25. 23.1%	2. 1.9%	4. 3.7%	3. 2.8%
GROUP 2	248.	78. 31.5%	119. 48.0%	44. 17.7%	5. 2.0%	2. .8%
GROUP 3	318.	24. 7.5%	57. 17.9%	151. 47.5%	55. 17.3%	31. 9.7%
GROUP 4	135.	5. 3.7%	12. 8.9%	29. 21.5%	57. 42.2%	32. 23.7%
GROUP 5	187.	5. 2.7%	3. 1.6%	18. 9.6%	34. 18.2%	127. 67.9%

PERCENT OF "GROUPED" CASES CORRECTLY CLASSIFIED: 53.01%

Females

ACTUAL GROUP	NO. OF CASES	PREDICTED GROUP MEMBERSHIP GP. 1	GP. 2	GP. 3	GP. 4	GP. 5
GROUP 1	95.	68. 71.6%	26. 27.4%	1. 1.1%	0. .0%	0. .0%
GROUP 2	295.	84. 28.5%	153. 51.9%	42. 14.2%	7. 2.4%	9. 3.1%
GROUP 3	493.	20. 4.1%	83. 16.8%	235. 47.7%	81. 16.4%	74. 15.0%
GROUP 4	136.	8. 5.9%	9. 6.6%	30. 22.1%	65. 47.8%	24. 17.6%
GROUP 5	96.	9. 9.4%	3. 3.1%	10. 10.4%	22. 22.9%	52. 54.2%

PERCENT OF "GROUPED" CASES CORRECTLY CLASSIFIED: 51.39%

*Group = Level of Sexual Conformity

variables, were that males had two significant discriminant functions while females had three. The first function divided groups one and two from the rest for each sex with dating being the most highly loaded variable and predicting to groups three to five. General delinquency was the second highest variable with availability of drugs and smoking also loading high. For males, self regard loaded high on this function. Thus except for self-regard, these factors appear to be very similar. Variables predicting membership to groups one and two on function one were being first born (DX72) for both males and females. Being second born (DX73) was influential for males whereas, being ambivalent toward marriage (DX1761) was more characteristic of females. On function two, variables predicting to groups three and four for males were dating, college orientation, church perception, delinquent self concept, and the male who values social life and does enough school work to get by (DX762). Variables predicting membership to groups one, two, and five for males on function two were higher social class (DX32 to DX34) being early born (DX72 and DX73), and ambivalent toward marriage (DX1754 and DX1761) for groups one and two, and drugs, low social class (DX31) and general delinquency for group five. The results were similar for females on function two with drugs and low social class indicating membership in groups four or five, being early born, high social class, and religious indicating membership in group

one. Dating, self-regard, valuing education, and school activities were charateristic of membership in groups two or three.

Females had a third significant function which separated groups one, two, and four from groups three and five. On this function variables predicting membership to group four, and to a very small degree one and two, are marrying early (DX1751), drug use, church and teacher perception, and low social class. Membership in group five and to some degree group three was characterized by the variables general delinquency, faith and religiosity. The means for males and females can be found in Tables B.6 and B.7 in Appendix B.

The functions yielded little difference in the overall classification procedure (Table 4.5) with 53.6 per cent of the males and 51.4 per cent of the females being correctly classified. The classifications are monotonic--percentages decrease off the diagonal in either direction with a slight exception for group four and five females who were predicted to group one. These final classifications will later be compared with the results of the stepwise MDA to follow.

Thus using all subjects in the direct method, our hypothesis that dating will be the most powerful discriminator was upheld for functions one and two. For males this was true on function one and for females this was true on the first two functions.

Stepwise Method

Step One. In order to reduce the number of variables in the discriminant equation and to progress toward parsimony, it was necessary to move beyond the direct method of obtaining our discriminant functions and to use a stepwise procedure which eliminated non significant variables from the equation. On the first stepwise run those variables not having a F ratio greater than one were excluded from the equation. These excluded variables were then put through another stepwise discriminant analysis and those with F ratios of less than one were excluded from the analysis. Table 4.6 shows the resultant variables and their loadings on the discriminant functions for our three sets of subjects (males, females, and all subjects). Again dating had the highest loading for the three subject groups with males and all subjects having only two significant functions and females three significant functions. Table 4.7 gives the number of grouped cases correctly classified and very little difference exists between this classification and the one for the direct method. These functions are not interpreted since they were part of a distilling process.

Step Two. Table 4.8 presents the discriminant function coefficients for those variables that were not retained on the first stepwise run. Stress variables and family size were most predictive of having intercourse with one or more partners; bonding, social class, and life style

Table 4.6--Standardized Discriminant Function Coefficients and Group Centroids for All Subjects, and for Males and Females (First Stepwise Procedure).

All

DISCRIMINANT FUNCTION	EIGENVALUE	RELATIVE PERCENTAGE	CANONICAL CORRELATION
1	1.09788	82.74	.723
2	.17686	13.33	.388
3	.03552	2.68	.185

STANDARDIZED DISCRIMINANT FUNCTION COEFFICIENTS

	FUNC 1	FUNC 2	FUNC 3
X1	.06519	-.07694	.10720
X2	-.00201	-.16553	.23220
X4	.01996	.17873	.00450
X5	.42210	-.46973	.12600
FAITH	-.00214	.03089	.26960
POLICEP	.03507	.13308	.00588
CHURCHP	-.03450	-.11841	-.23451
ALTH	-.03536	.16002	-.05542
DRUGS	.05416	.46346	-.32390
ALCOHOL	.15903	-.02920	.15100
GENDEL	.27215	.39571	.57694
SUICIDE	-.00703	.11773	.08807
RAGE	.00135	.09997	-.41502
DEPRESS	-.04269	-.17149	.06374
AFFECTD	.06746	-.05169	.03322
SELFR	.00331	-.11135	-.06770
GUILT	.05366	-.03955	.10256
AVALD	.16092	-.11157	-.24658
COLLO	-.07247	-.29750	.08738
SMOKE	.13965	-.13269	.03863
DX31	.04106	.02265	-.14573
DX33	-.02083	.01129	.10587
DX72	-.11689	.13421	-.15727
DX73	-.07631	.04215	.03946
DX74	-.04614	.00330	-.26447
DX61	-.00521	.12260	.12510
DX763	-.04617	.09859	.14739
DX1751	.00767	.06060	-.66780
DX1752	-.02566	-.02264	-.00636
DX1754	.03619	.09969	-.05168
DX1761	-.10367	.14212	.21897

CENTROIDS OF GROUPS IN REDUCED SPACE

	FUNC 1	FUNC 2	FUNC 3
GROUP 1	-1.16474	.48948	.04607
GROUP 2	-.78147	.06013	-.06335
GROUP 3	.20309	-.39201	.12268
GROUP 4	.70362	-.05151	-.43373
GROUP 5	1.07897	.70622	.15230

Males

DISCRIMINANT FUNCTION	EIGENVALUE	RELATIVE PERCENTAGE	CANONICAL CORRELATION
1	1.28718	85.15	.750
2	.17125	11.33	.382

STANDARDIZED DISCRIMINANT FUNCTION COEFFICIENTS

	FUNC 1	FUNC 2
X1	-.03235	.23386
X4	-.06267	-.20399
X5	-.34161	.42075
PANCDC	.01023	-.17182
PARCONG	.01397	.04827
MINSTRP	.07529	.00624
DELSC	-.04225	.19481
DRUGS	-.09626	-.56420
ALCOHOL	-.16666	-.04888
GENDEL	-.25120	-.29264
RAGE	-.05021	.07076
DEPRESS	.04522	-.10630
AFFECTD	-.04848	.13961
SELFR	-.13063	.06359
AVALD	-.14322	.25369
COLLO	.08915	.27143
SMOKE	-.13481	.01077
DX72	.14281	-.12054
DX73	.08339	-.15393
DX74	.06676	.02241
DX763	-.02160	.18083
DX1751	-.02540	-.14592
DX1754	-.10039	-.14951
DX1761	.07708	-.29390
DX1762	-.00979	-.13976

CENTROIDS OF GROUPS IN REDUCED SPACE

	FUNC 1	FUNC 2
GROUP 1	1.06694	-.61173
GROUP 2	.78349	-.02810
GROUP 3	-.06897	.41706
GROUP 4	-.55633	.22204
GROUP 5	-1.13637	-.47896

Females

DISCRIMINANT FUNCTION	EIGENVALUE	RELATIVE PERCENTAGE	CANONICAL CORRELATION
1	1.05189	81.27	.716
2	.14518	11.22	.356
3	.06829	5.28	.253

STANDARDIZED DISCRIMINANT FUNCTION COEFFICIENTS

	FUNC 1	FUNC 2	FUNC 3
X1	.08661	-.15327	-.04601
X4	-.03144	-.14866	-.14001
X5	.36444	.44650	.12584
FAITH	-.01553	.06898	.34646
POLICLP	.03539	-.25171	.14302
CHURCHP	.00631	.10663	-.34627
DRUGS	.00275	-.43352	-.33756
ALCOHOL	.14683	.14571	.14256
GENDEL	.24854	-.15870	.46263
PHYSWBR	.01240	-.07992	.23496
FAMILYC	-.01439	-.04144	-.27661
RAGE	-.05065	-.30462	-.17068
DEPRESS	.03245	.25964	-.21747
AFFECTD	.06436	-.03405	.22389
SELFR	.07012	.24662	.00163
GUILT	.04364	.04680	.16442
CLASSES	.02225	-.11658	-.08910
AVALD	.15859	-.03218	-.10579
COLLO	-.09141	.32936	-.00083
SMOKE	.17642	.06408	.03529
DX31	.05051	-.16814	.00567
DX33	.01707	-.04805	-.01521
DX72	-.07796	-.17072	.00859
DX73	-.05650	.01518	.13018
DX61	-.00424	-.25859	.17485
DX762	.11556	.32918	-.23452
DX763	.05275	.14225	-.16302
DX1751	.00360	-.11547	-.72895
DX1752	-.04834	-.09228	-.08873
DX1754	-.02683	.05600	-.23864
DX1761	-.10870	-.15136	.21236

CENTROIDS OF GROUPS IN REDUCED SPACE

	FUNC 1	FUNC 2	FUNC 3
GROUP 1	-1.28917	-.47638	.05320
GROUP 2	-.80585	.04203	-.08431
GROUP 3	.33044	.29699	.11973
GROUP 4	.84837	-.24230	-.57853
GROUP 5	.85328	-.83964	.41124

Table 4.7--Percent of Cases Correctly Classified for All Subjects, and for Males, and Females (First Stepwise Procedure).

All

ACTUAL GROUP	NO. OF CASES	PREDICTED GROUP MEMBERSHIP GP. 1	GP. 2	GP. 3	GP. 4	GP. 5
GROUP 1	203.	135. 66.5%	61. 30.0%	1. .5%	0. .0%	6. 3.0%
GROUP 2	543.	169. 31.1%	258. 47.5%	96. 17.7%	14. 2.6%	6. 1.1%
GROUP 3	811.	42. 5.2%	139. 17.1%	395. 48.7%	135. 16.6%	100. 12.3%
GROUP 4	271.	10. 3.7%	27. 10.0%	60. 22.1%	104. 38.4%	70. 25.8%
GROUP 5	283.	8. 2.8%	13. 4.6%	40. 14.1%	55. 19.4%	167. 59.0%

PERCENT OF "GROUPED" CASES CORRECTLY CLASSIFIED: 50.17%

Males

ACTUAL GROUP	NO. OF CASES	PREDICTED GROUP MEMBERSHIP GP. 1	GP. 2	GP. 3	GP. 4	GP. 5
GROUP 1	108.	75. 69.4%	25. 23.1%	3. 2.8%	2. 1.9%	3. 2.8%
GROUP 2	248.	71. 28.6%	128. 51.6%	38. 15.3%	6. 2.4%	5. 2.0%
GROUP 3	318.	29. 9.1%	53. 16.7%	141. 44.3%	59. 18.6%	36. 11.3%
GROUP 4	135.	3. 2.2%	16. 11.9%	24. 17.8%	59. 43.7%	33. 24.4%
GROUP 5	187.	4. 2.1%	3. 1.6%	19. 10.2%	38. 20.3%	123. 65.8%

PERCENT OF "GROUPED" CASES CORRECTLY CLASSIFIED: 52.61%

Females

ACTUAL GROUP	NO. OF CASES	PREDICTED GROUP MEMBERSHIP GP. 1	GP. 2	GP. 3	GP. 4	GP. 5
GROUP 1	95.	67. 70.5%	27. 28.4%	0. .0%	0. .0%	1. 1.1%
GROUP 2	295.	83. 28.1%	155. 52.5%	42. 14.2%	6. 2.0%	9. 3.1%
GROUP 3	493.	19. 3.9%	81. 16.4%	240. 48.7%	77. 15.6%	76. 15.4%
GROUP 4	136.	8. 5.9%	9. 6.6%	32. 23.5%	64. 47.1%	23. 16.9%
GROUP 5	96.	9. 9.4%	3. 3.1%	9. 9.4%	23. 24.0%	52. 54.2%

PERCENT OF "GROUPED" CASES CORRECTLY CLASSIFIED: 51.84%

Table 4.8--Standardized Discriminant Function Coefficients and Group Centroids for All Subjects, and for Males and Females (Second Stepwise Procedure).

All

DISCRIMINANT FUNCTION	EIGENVALUE	RELATIVE PERCENTAGE	CANONICAL CORRELATION
1	.16067	78.43	.372
2	.03444	16.81	.182

STANDARDIZED DISCRIMINANT FUNCTION COEFFICIENTS

	FUNC 1	FUNC 2
X6	-.10261	-.22056
PARCDC	.16446	.65574
PARCONG	.03468	-.09157
SCHOOLP	.13091	-.21897
TEAC-RP	.69761	.32018
RELGITY	.24345	-.00763
DELSC	-.62311	.07757
FAMILYC	-.65102	.11773
CLASSES	.10555	-.23788
DX762	.16038	-.60275
DX763	-.13076	-.37948
DX1763	-.01276	-.38226
1764	-.07919	-.56064

CENTROIDS OF GROUPS IN REDUCED SPACE

	FUNC 1	FUNC 2
GROUP 1	.43230	.35904
GROUP 2	.35144	.04395
GROUP 3	.03119	-.15291
GROUP 4	-.35648	-.15787
GROUP 5	-.73239	.24756

Males

DISCRIMINANT FUNCTION	EIGENVALUE	RELATIVE PERCENTAGE	CANONICAL CORRELATION
1	.36342	80.21	.516
2	.05110	11.28	.220

STANDARDIZED DISCRIMINANT FUNCTION COEFFICIENTS

	FUNC 1	FUNC 2
X6	-.04246	-.16148
PARACC	-.11007	-.25701
FAITH	-.14923	.26368
POLICLP	.30234	.36256
CHURCHP	.21471	-.37890
SCHOOLP	.05025	-.23315
TEACHRP	.21666	-.02761
RELGITY	.11596	.21538
AUTH	.21257	.22648
SUICIDE	-.16263	.17337
PHYSWBR	.06567	.07727
FAMILYC	-.15824	.20896
GUILT	-.16958	-.24563
DX31	-.01717	-.16661
DX34	.11960	-.00101
DX761	.24602	.24720
DX762	.31226	-.03528
DX1752	.04015	-.34024
DX1763	.03623	-.40074
DX1764	-.10859	-.52049

CENTROIDS OF GROUPS IN REDUCED SPACE

	FUNC 1	FUNC 2
GROUP 1	.59031	.28505
GROUP 2	.46672	-.03028
GROUP 3	-.09367	-.25025
GROUP 4	-.31903	-.21236
GROUP 5	-.84495	.25955

Females

DISCRIMINANT FUNCTION	EIGENVALUE	RELATIVE PERCENTAGE	CANONICAL CORRELATION
1	.15103	74.83	.362
2	.02746	13.60	.165

STANDARDIZED DISCRIMINANT FUNCTION COEFFICIENTS

	FUNC 1	FUNC 2
X6	.12462	.18756
PARCDC	-.27428	-.28460
PARACC	.24446	.43110
SCHOOLP	-.05817	.48206
TEACHRP	-.09245	-.11907
AUTH	-.39217	-.58165
SUICIDE	.58708	-.26205
FAMILYC	.17456	-.21088
GUILT	.13517	-.00021
DX34	-.11730	.06227
DX761	-.09646	-.49609
DX1763	.11934	.06125

CENTROIDS OF GROUPS IN REDUCED SPACE

	FUNC 1	FUNC 2
GROUP 1	-.54462	-.34218
GROUP 2	-.37837	.00523
GROUP 3	.07086	.14042
GROUP 4	.54777	-.07625
GROUP 5	.58309	-.29461

preference were most predictive of group membership for all three classes of subjects. Table 4.9 presents the cases correctly specified and as expected these variables were less able to predict group membership than those retained on the first run.

At this juncture we eliminated the following variables from the equation:

		All	Males	Females
Classes	(School Classes)		X*	
DELSC	(Delinquent Self-Concept)			X
DX31	(Father has Some H.S.)		X	
DX32	(Father Graduated from H.S.)	X		
DX33	(Father has Some College)	X		
DX74	(Third Born)			X
DX81	(Only Child)		X	
DX1752	(Expects to Marry in Thirties)	X	X	X
DX1762	(Wants No Children)	X		X
DX1764	(Wants Two Children)			X
MINSTRP	(Minister Perception)			X
PARACC	(Parental Acceptance)	X	X	
PARCONC	(Parental Congeniality)			X
PHYSWBR	(Physical Well Being)	X		
RELGITY	(Religiosity)		X	
X6	(Family Size)			X

*X = Eliminated from the equation

Table 4.9--Percent of Cases Correctly Classified for All Subjects, and for Males, and Females (Second Stepwise Procedure).

All

ACTUAL GROUP	NO. OF CASES	PREDICTED GROUP MEMBERSHIP GP. 1	GP. 2	GP. 3	GP. 4	GP. 5
GROUP 1	203.	86. 42.4%	49. 24.1%	20. 9.9%	20. 9.9%	28. 13.8%
GROUP 2	543.	182. 33.5%	140. 25.8%	89. 16.4%	59. 10.9%	73. 13.4%
GROUP 3	811.	180. 22.2%	151. 18.6%	167. 20.6%	145. 17.9%	168. 20.7%
GROUP 4	271.	41. 15.1%	38. 14.0%	41. 15.1%	69. 25.5%	82. 30.3%
GROUP 5	283.	36. 12.7%	23. 8.1%	23. 8.1%	48. 17.0%	153. 54.1%

PERCENT OF "GROUPED" CASES CORRECTLY CLASSIFIED: 29.13%

Males

ACTUAL GROUP	NO. OF CASES	PREDICTED GROUP MEMBERSHIP GP. 1	GP. 2	GP. 3	GP. 4	GP. 5
GROUP 1	177.	81. 45.8%	44. 24.9%	24. 13.6%	12. 6.8%	16. 9.0%
GROUP 2	259.	75. 29.0%	96. 37.1%	42. 16.2%	24. 9.3%	22. 8.5%
GROUP 3	249.	48. 19.3%	43. 17.3%	59. 23.7%	37. 14.9%	62. 24.9%
GROUP 4	137.	22. 16.1%	19. 13.9%	29. 21.2%	31. 22.6%	36. 26.3%
GROUP 5	188.	18. 9.6%	13. 6.9%	19. 10.1%	30. 16.0%	108. 57.4%

PERCENT OF "GROUPED" CASES CORRECTLY CLASSIFIED: 37.13%

Females

ACTUAL GROUP	NO. OF CASES	PREDICTED GROUP MEMBERSHIP GP. 1	GP. 2	GP. 3	GP. 4	GP. 5
GROUP 1	96.	37. 38.5%	31. 32.3%	12. 12.5%	4. 4.2%	12. 12.5%
GROUP 2	303.	70. 23.1%	118. 38.9%	51. 16.8%	29. 9.6%	35. 11.6%
GROUP 3	499.	94. 18.8%	116. 23.2%	110. 22.0%	88. 17.6%	91. 18.2%
GROUP 4	138.	18. 13.0%	18. 13.0%	27. 19.6%	44. 31.9%	31. 22.5%
GROUP 5	96.	13. 13.5%	18. 18.7%	11. 11.5%	17. 17.7%	37. 38.5%

PERCENT OF "GROUPED" CASES CORRECTLY CLASSIFIED: 30.57%

Factor Analysis of Retained Variables

Separate factor analyses were done for all subjects and for males and females separately. The dating variable was to be kept separate regardless of how it factored. For variables to be accepted their coefficients had to be above .30.

For all subjects self-regard and college orientation loaded together to form a new variable SELFCOL. Similarly the variables of marrying in twenties (DX1752) and having a medium sized family (DX1764) loaded together and the variable X175624 was formed. For both males and females being unsure of marriage (DX1754) and not desiring any children (DX1761) loaded together and the variable X175641 was formed.

Variables which loaded together to form bonding, community bonding, religious orientation, and stress factors are labeled with a 5 (all subjects), 6 (males), and 7 (females) on the end of their variable label name. For instance CB5 is the combination of faith, police perception, authoritarianism, parent child communication, school perception, teacher perception, and school classes. Any similar combination may be found by consulting the glossary of terms in Chapter 3.

What is usually interpreted as functions in a discriminant analysis is being circumvented by factoring the variables. In order to reduce the variable set before the

final run, the factor analysis divided the variables into groups thus doing part of the work of interpreting functions. A check was made after the third step to see if any of the functions logically and meaningfully fit together.

Step Three. The final discriminant run of the variables retained from the factor analysis of the variables from the first two discriminant runs plus the interaction and curvilinear terms is presented in Table 4.10. Again dating emerged as the single most discriminating variable for males, females and all subjects; nonconformity (DELBEH) and the interaction term of stress and nonconforming behavior (MXSD) was the next set of variables which predicted group membership. For all subjects we distilled the original 51 variables down to 20 plus the seven interaction and curvilinear terms; that is, for males 15 variables and for females 16 variables. Further reduction through factor analysis did not seem practical at that time due to the large number of scattered dummy variables and the relatively few number of variables which seemed to fit together logically. This process of distilling the variables has had another desirable effect in that the resulting discriminant functions are more distinguishable in terms of the variables defining them. For instance, function one for all subjects separated groups one and two from three to five with dating and nonconformity squared predicting strongest to groups four and five; stress predicted weakly. Also the interaction of age, dating, bonding, and stress, as well as the

Table 4.10--Standardized Discriminant Function Coefficients and Group Centroids for All Subjects, and for Males and Females (Third Stepwise Procedure).

All

DISCRIMINANT FUNCTION	EIGENVALUE	RELATIVE PERCENTAGE	CANONICAL CORRELATION
1	1.10477	81.86	.724
2	.19145	14.19	.401
3	.04206	3.12	.201

STANDARDIZED DISCRIMINANT FUNCTION COEFFICIENTS

	FUNC 1	FUNC 2	FUNC 3
DELBEH5	.68701	.41467	1.04590
STRESS5	.11247	.23548	.01571
REL5	-.04757	.09200	.17668
C65	-.09311	-.11806	-.24374
SELFCOL	.04096	.22060	.08902
X1	-.11631	.04712	-.41136
X5	1.77362	2.34397	-2.20969
X175624	-.02690	-.05044	.15155
DX762	-.09276	.24895	.14468
DX763	.00177	.19091	.03452
DX74	-.01720	-.01949	.29660
X2	-.02446	.29721	-.10659
DX31	.05910	-.03654	.14115
DX1763	.00023	.11665	.16195
DX761	-.05315	.11337	-.04923
DX72	-.07312	-.06232	.19668
DX1751	.05528	-.04067	.58566
XC	.03252	.04913	.11126
DX34	-.00562	-.00299	-.01854
DX1744	.04252	.14909	.06625
XSS	-.78216	-1.37612	1.72542
STRES	-.62614	-.57957	.12437
DELBEMS	-.50566	-1.33468	-1.49305
MX5S	-.61734	-.67563	.04487
MX1X5BS	.80554	.44097	-.08737
MX1X5BD	-.38565	-.72499	.94264
MXSD	.69549	.91923	-.10513

CENTROIDS OF GROUPS IN REDUCED SPACE

	FUNC 1	FUNC 2	FUNC 3
GROUP 1	-1.27714	-.48130	.05011
GROUP 2	-.77312	.01637	-.00613
GROUP 3	.29306	.40018	-.09354
GROUP 4	.69012	-.09005	.48365
GROUP 5	.93087	-.75489	-.22313

Males

DISCRIMINANT FUNCTION	EIGENVALUE	RELATIVE PERCENTAGE	CANONICAL CORRELATION
1	1.28879	84.61	.750
2	.16530	12.17	.395

STANDARDIZED DISCRIMINANT FUNCTION COEFFICIENTS

	FUNC 1	FUNC 2	FUNC 3
DELBEH6	.62389	-.26254	
STRESS6	.13935	-.43989	
BONDS6	-.06684	.34441	
REL6	-.06517	-.04835	
X175641	.06758	.12191	
DX72	-.10639	.09167	
DX73	-.04726	.07277	
X1	.02027	-.83962	
X5	1.48766	-2.23425	
DX31	.06562	-.07477	
DX1751	.05504	.01736	
DSCFC6	.08955	-.29174	
SELCL6	.04391	-.17417	
X1S	-.06255	1.00935	
X5S	-.67936	.96301	
DX1752	.01612	-.23904	
STRES	-.52620	.78169	
DELBEMS	-.65710	1.55777	
MX5S	-.51719	1.53049	
MX1X5BS	.18298	-1.19273	
MX1X5BD	-.18621	.76796	
MXSD	1.22215	-1.18294	

CENTROIDS OF GROUPS IN REDUCED SPACE

	FUNC 1	FUNC 2
GROUP 1	-1.16166	.55007
GROUP 2	-.00413	.00293
GROUP 3	.16451	-.43411
GROUP 4	.58667	-.18035
GROUP 5	1.03836	.55915

Females

DISCRIMINANT FUNCTION	EIGENVALUE	RELATIVE PERCENTAGE	CANONICAL CORRELATION
1	1.06883	81.57	.719
2	.16809	12.83	.379
3	.04757	3.63	.213

STANDARDIZED DISCRIMINANT FUNCTION COEFFICIENTS

	FUNC 1	FUNC 2	FUNC 3
DELBEH7	.39823	.20196	.21768
STRESS7	.22869	-.32369	-.32406
BONDS7	.04277	.08577	-.12120
X175641	-.07112	-.00567	.00787
DX761	-.05566	.06425	-.34021
DX1751	.05666	.11150	.73307
X1	-.34660	.21330	-.64316
X5	2.03235	-3.65174	-1.72239
DX72	-.08176	.11305	-.07758
COLLO	-.06000	-.29111	.21660
DX34	-.03344	.07007	-.20155
SELFR	.06611	-.11566	.00097
DX1752	-.04923	.13540	.01589
DX61	.00603	.16067	-.33130
DX73	-.04158	-.11081	-.12606
DX31	.03414	.13075	-.06008
X1S	.39542	.10825	.58422
X5S	-.93347	2.64986	.37059
STRES	-.28762	.49662	.37765
DELBEMS	-.57542	.49754	.80716
MX5S	-.65374	.36070	1.10800
MXSD	.87213	-.29466	-1.82010

CENTROIDS OF GROUPS IN REDUCED SPACE

	FUNC 1	FUNC 2	FUNC 3
GROUP 1	-1.38425	.52244	-.14594
GROUP 2	-.77788	-.08092	.09513
GROUP 3	.36109	-.32458	-.06762
GROUP 4	.60160	.47593	.43653
GROUP 5	.80534	.72413	-.43049

interaction of stress and nonconforming behavior (MXSD) predicted membership in groups three to five. Variables predicting membership in groups one and two for all subjects were the curvilinear terms of dating, nonconformity, stress, and the interaction terms of dating and stress (MX5S), age, courtship, bonding, and delinquent behavior.

On function two, the picture becomes less clear with positive values for dating, nonconformity squared, stress, valuing school, being female, desiring a medium size family and the interaction of age, dating, bonding, and stress (MX1X5BS) predicting membership to group three (petters). Variables with negative values and predicting membership to group one, no sex, were CB5 plus the curvilinear and interaction terms which maximized the differences between groups one and five.

Function three predicted and differentiated membership in groups four and five primarily, with a slight tendency for group three to be like group five and group one to be like group four. Positive loadings were associated with groups one and four for the variables nonconforming behavior, desiring to marry early, to have a large family, being later born, lower social class, ambivalence toward marriage, coming from a large family, the curvilinear terms of dating and stress, and the interaction terms of age, dating, bonding, and nonconforming behavior. Group five membership was reflected in the variables of age, dating, nonconformity

(curvilinear), and the interaction of stress and delinquent behavior.

These three functions predicted 49.6 per cent (Table 4.11) of the cases correctly as compared with 51.0 per cent using all the variables without the curvilinear and interaction terms. Thus we have achieved the goal of reducing the variables set without any appreciable loss in predictive power.

The differences between males and females as to which variables were most salient in predicting group membership were as follows. For males the first two functions were significant, whereas the first three were significant for females. Thus our discussion will proceed with only significant functions being considered. On function one for both males and females dating, nonconforming behavior, and the interaction of stress and nonconforming behavior were the most predictive of membership in groups four or five (intercourse). Stress and age squared were also influential for females. Variables predicting membership to groups one and two for both males and females were the curvilinear terms for dating, stress, and nonconforming behavior and the interaction term of dating and stress.

On function two, dating, stress, college orientation, and the interaction term of stress and nonconforming behavior predicted membership to group three for each sex. For males age, college orientation, nonconforming behavior,

Table 4.11--Percent of Cases Correctly Classified for All Subjects, and for Males, and Females (Third Stepwise Procedure).

All

ACTUAL GROUP	NO. OF CASES	PREDICTED GROUP MEMBERSHIP GP. 1	GP. 2	GP. 3	GP. 4	GP. 5
GROUP 1	206.	157. 76.2%	36. 17.5%	1. .5%	5. 2.4%	7. 3.4%
GROUP 2	550.	209. 38.0%	197. 35.8%	113. 20.5%	18. 3.3%	13. 2.4%
GROUP 3	821.	47. 5.7%	108. 13.2%	440. 53.6%	134. 16.3%	92. 11.2%
GROUP 4	275.	12. 4.4%	20. 7.3%	64. 23.3%	105. 38.2%	74. 26.9%
GROUP 5	283.	9. 3.2%	12. 4.2%	49. 17.3%	53. 18.7%	160. 56.5%

PERCENT OF "GROUPED" CASES CORRECTLY CLASSIFIED: 49.60%

Males

ACTUAL GROUP	NO. OF CASES	PREDICTED GROUP MEMBERSHIP GP. 1	GP. 2	GP. 3	GP. 4	GP. 5
GROUP 1	110.	76. 69.1%	25. 22.7%	2. 1.8%	6. 5.5%	1. .9%
GROUP 2	249.	80. 32.1%	104. 41.8%	50. 20.1%	14. 5.6%	1. .4%
GROUP 3	325.	24. 7.4%	45. 13.8%	143. 44.0%	75. 23.1%	38. 11.7%
GROUP 4	137.	5. 3.6%	13. 9.5%	35. 25.5%	48. 35.0%	36. 26.3%
GROUP 5	187.	2. 1.1%	7. 3.7%	19. 10.2%	42. 22.5%	117. 62.6%

PERCENT OF "GROUPED" CASES CORRECTLY CLASSIFIED: 48.41%

Females

ACTUAL GROUP	NO. OF CASES	PREDICTED GROUP MEMBERSHIP GP. 1	GP. 2	GP. 3	GP. 4	GP. 5
GROUP 1	96.	74. 77.1%	21. 21.9%	1. 1.0%	0. .0%	0. .0%
GROUP 2	301.	89. 29.6%	122. 40.5%	73. 24.3%	6. 2.0%	11. 3.7%
GROUP 3	496.	19. 3.8%	68. 13.7%	268. 54.0%	71. 14.3%	70. 14.1%
GROUP 4	138.	4. 2.9%	10. 7.2%	32. 23.2%	62. 44.9%	30. 21.7%
GROUP 5	96.	6. 6.2%	5. 5.2%	16. 16.7%	21. 21.9%	48. 50.0%

PERCENT OF "GROUPED" CASES CORRECTLY CLASSIFIED: 50.93%

stress, life style preference three, and marrying early were predictive of membership in group three. Other unique variables for females in group three were self-regard and being second born. Function two also differentiated between groups one and five from group three. Group four for females was more closely aligned with group five than was the case for males where group four was aligned with group three. For both males and females BONDS (the curvilinear term for bonding), being first born, X1S (the curvilinear term for age), dating, stress, and nonconforming behavior, and the interaction term for dating and stress (MX5S) were common predictors. The unique variable for males was being second born and for females the unique variables were nonconforming behaviors, ambivalence toward marriage, age, being an only child, and low social class.

On function three for females groups one and five were separated from groups four, primarily group four from group five. Variables predicting membership in group four were ambivalence toward marriage, nonconforming behavior, the curvilinear terms of age, dating, stress, and nonconforming behavior, and the interaction term of dating and stress. Variables predictive of membership in group five were stress, life style preference one, age, dating, self-regard, being an only child, and the interaction term of stress and nonconforming behavior.

Variables eliminated from the equation on the

third MDA were:

		All	Males	Females
Bonds	(Curvilinear Term for Bonding)	X	X	X
DX32	(Father Graduated from H.S.)		X	
DX33	(Father has some College)		X	X
DX34	(Father is a College Graduate)		X	
DX DX81	(Only Child)		X	
DX761	(Values Vocational Training)		X	
DX762	(Values Education)		X	X
DX763	(Values Social Life)			X
REL7	(Church Perception and Religiosity)			X
X1S	(Curvilinear for Age)	X		
X6	(Family Size)			X

Variables which remained in the equation which were unique to males were delinquent self concept, religiosity, being later born, and value preference three (DX763) toward school. Variables unique to females were low and high social class, only child, valuing vocational and occupational training in school and ambivalence toward marriage.

Summary of Discriminant Analysis

The test of the hypothesis that dating would be the strongest discriminator of group membership was accepted.

Table 4.12 gives the rank order of variables obtained in the final discriminant run for all subjects, and for males and females separately. Rankings with a plus (+)

TABLE 4.12--RANK ORDER OF VARIABLES ON THE DISCRIMINANT FUNCTIONS FOR ALL SUBJECTS, MALES, AND FEMALES WITH LOADINGS GREATER THAN .10

	FUNCTION ONE			FUNCTION TWO			FUNCTION THREE	
GROUPS WITH POSITIVE LOADINGS	3-4-5	3-4-5	3-4-5	2-3	3-4	1-4-5	1-4	2-4
GROUPS WITH NEGATIVE LOADINGS	1-2	1-2	1-2	1-4-5	1-2-5	2-3	2-3-5	1-3-5
	ALL	M	F	ALL	M	F	ALL	F
AGE(X1)					+3	+5	-7	-3
CURVILINEAR FOR AGE(X1S)			+3.5		-4	+12		+5.5
MARRY IN TWENTIES AND HAVE THREE CHILDREN(X175624)							+7.5	
SEX(X2)				+5			-5.5	
DATING(X5)	+1	+1	+1	+1	+1	-1	-1	-2
CURVILINEAR FOR DATING(X5S)	-2	-2	-1	-1	-2	+1	+1	+3
NUMBER OF SIBLINGS(X6)							+11	
FATHER SOME HIGH SCHOOL(DX31)						+9	+10.5	
FATHER GRADUATED FROM COLLEGE(DX34)								-7
FIRST BORN(DX72)		-5				+10	+4	
SECOND BORN(DX73)						-6		-8
ONLY CHILD(DX81)						+7	+8	-5
VALUES VOCATIONAL TRAINING(DX761)				+12				-4
VALUES EDUCATION AT SCHOOL(DX762)				+7			+10.5	
VALUES SOCIAL LIFE AT SCHOOL(DX763)				+9	+9			
EXPECTS TO MARRY BEFORE TWENTY(DX1751)						+11	+4	+4
EXPECTS TO MARRY IN TWENTIES(DX1752)					+8	+8		
WANTS ONE CHILD(DX1763)				+11			+9	
WANTS TWO CHILDREN(DX1764)				+10				
PARCDC FAITH POLICEP SCHOOLP TEACHRP AUTH(BONDS6)					-6			
FAITH POLICEP SCHOOLP TEACHRP AUTH(BONDS7)								-9
FAITH POLICEP AUTH PARCDC SCHOOLP TEACHRP CLASSES(CBS)				-5			-4	
COLLEGE ORIENTATION(COLLO)					+6	-3.5		+7.5
DRUGS ALCOHOL GENDEL AVALD SMOKE DELSC(DELBEHS)	+3			+4			+2	
DRUGS ALCOHOL GENDEL AVALD SMOKE(DELBEHO)		+3			+4			
DRUGS ALCOHOL GENDEL AVALD(DELBEH7)			+3.5			+6		+7.5
CURVILINEAR FOR NONCONFORMITY(DELUEHS)	-3	-1	-3	-2	-1	+2.5	-2	+2
DELINQUENT SELF-IMAGE(DELSC)					+5			
INTERACTION OF STRESS AND NONCONFORMITY(MXSD)	+2	+2	+2	+2	+3	-3.5	-5.5	-1
INTERACTION OF DATING AND STRESS(MX55)	-1	-3	-2	-4	-3	+4		+1
INTERACTION OF AGE DATING BONDING & NONCONFORMITY(MX1X5BD)				-3			+3	
INTERACTION OF AGE DATING BONDING & STRESS(MX1X5BS)	+4			+3				
CHURCHP AND RELGITY(REL5)							+7.5	
MINSTRP AND CHURCHP(REL6)					+10			
SELFR AND COLLO(SELFCOL)				+8				
SELF REGARD(SELFR)		+4				-5		
CURVILINEAR FOR STRESS(STRES)	-4	-4	-4		-5	+2.5	+12	+5.5
SUICIDE RACE DEPRESS AFFECTD GUILT(STRESS5)				+6				
RAGE DEPRESS AFFECTD SUICIDE GUILT(STRESS6)		+5			+7			
PHYSWBR RAGE DEPRESS AFFECTD SUICIDE GUILT(STRESS7)			+5			-2		-6

sign preceding them were indicative of membership to groups with positive loadings. For instance, on function one for all subjects the first ranking encountered was +1 for dating (X5). Therefore dating achieved the highest rank for variables predicting membership to groups 3-4-5 which was petting, intercourse with one partner, and intercourse with two partners respectively. The second term encountered for all subjects on function one was a -2 for the curvilinear term for dating (X5S). This means that the curvilinear term (X5S) ranked second for predicting membership to groups 1-2 which was no sex and kissing and hugging. Groups were equivalent to the five levels of sexual activity. Dating (X5) and the curvilinear term for dating (X5S) were ranked as ones on eleven of the sixteen groupings. The curvilinear term for nonconformity (DELBEHS) achieved ranks of one or two on six of its eight groupings being the variable ranked second the most often. Its average ranking was 2.06. The interaction of stress and nonconformity also achieved ranks of one or two on six of its eight groupings, but had an average ranking of 2.5 making it the third highest ranking variable. In all cases males had two significant functions and females three. Generally in the interpretation of functions of factors males and females were the same. Finally, no classification power was lost by the functions when the variable set was reduced by the stepwise procedure.

Regression Analysis

The analysis of the independent variables, the predictors, against the dependent variable, the criterion, was done using a backward method. The main purpose of the regression analysis was to test two hypotheses: (1) dating contributed more to the equation than did bonding, stress, or nonconforming behavior and (2) dating was a significant predictor in the equation for all subjects and for males and females separately. In performing these tests a secondary purpose was to reduce the number of variables in the equation in order to get a better idea of which variables contributed significantly to the variance. The backward method of regression seemed to be the most appropriate in order to reduce the variable set and to study the contributions of individual variables to the variance. The minimum value for a variable to enter the equation was set at F=2.5 significant at .010 level and the maximum value to remove a variable from the equation was set at F-2.4. Three different models of the variable set were used. The model with all variables contained the indexed variables plus curvilinear and interaction terms. The restricted model used the summary indexes of bonding, stress, and nonconforming behavior.

R squared was greater than zero (significant at .001 level) for all subjects, males, and females.

The hypothesis that dating significantly contributes to the variance for all subjects, males and females

was accepted. Table 4.13 gives the standardized beta weights for the variables retained on the full and restricted runs for the three classes of subjects. In five of the six possible cases dating (X5) significantly contributed to the variance with beta weights ranging from .19 to .49. In three of six instances the curvilinear term significantly contributed to the variance with beta weights ranging from a -.29 to .20. Further examination of Table 4.13 reveals that in only one instance (full model for males) the beta weight achieved by dating (.49) was the strongest predictor of sexual behavior. Most often general delinquency (GENDEL) or nonconformity (DELBEH) had the highest beta weights.

The hypothesis that "dating accounts for more variance than the summary measures taken individually of bonding, stress, and nonconforming behavior" was tested by submitting these variables plus age and sex to a multiple regression routine whereby each variable was entered last and the r^2 change was studied. This hypothesis was tested for all subjects, males and females and was not accepted.

Table 4.14 summarizes the findings from the regression runs testing the hypothesis that dating has a significant increase in its r^2. In all three, dating was a significant contributor to the variance (significant at the .0001 level). The highest increases were for nonconforming behavior with the beta weights being stronger for nonconformity than for dating. Thus both of these variables

TABLE 4.13--SUMMARY OF REGRESSION EQUATIONS FOR FULL AND RESTRICTED MODELS (COEFFICIENTS ARE THE STANDARDIZED BETA WEIGHTS).

		FULL			RESTRICTED		
		ALL	MALES	FEMALES	ALL	MALES	FEMALES
X1	AGE(X1)			.10	-.09		-.15
X1S	CURVILINEAR FOR AGE(X1S)	.05					
X2	SEX(X2)	-.06			-.10		
X4	RELIGION(X4)	.04	.07		.05	.07	
X5	DATING(X5)	.19	.45		.31	.46	.44
X5S	CURVILINEAR FOR DATING(X5S)		-.29	.20		-.25	
X6	NUMBER OF SIBLINGS(X6)						
DX31	FATHER SOME HIGH SCHOOL(DX31)	.04		.06	.04		.06
DX32	FATHER GRADUATED FROM HIGH SCHOOL(DX32)						
DX33	FATHER SOME COLLEGE(DX33)						
DX34	FATHER GRADUATED FROM COLLEGE(DX34)						
DX71	ONLY CHILD(DX71)						
DX72	FIRST BORN(DX72)	-.05	-.06		-.05	-.05	
DX73	SECOND BORN(DX73)	-.04	-.04		-.04		
DX74	THIRD BORN(DX74)	-.03	-.04		-.03		
DX820R3	ONLY MALE OR FEMALE CHILDREN(DX820R3)						
DX84	BOTH MALE AND FEMALE CHILDREN(DX84)						
DX761	VALUES VOCATIONAL TRAINING(DX761)					-.05	
DX762	VALUES EDUCATION AT SCHOOL(DX762)					-.07	
DX763	VALUES SOCIAL LIFE AT SCHOOL(DX763)					-.05	
DX1751	EXPECTS TO MARRY BEFORE TWENTY(DX1751)	.04	.05		.04	.05	.05
DX1752	EXPECTS TO MARRY IN TWENTIES(DX1752)						
DX1753	EXPECTS TO MARRY IN THIRTIES(DX1753)		.04			.04	
DX1754	DOES NOT INTEND TO MARRY(DX1754)	.05	.08		.05	.08	
DX1761	AMBIVALENT TOWARD MARRIAGE(DX1761)	-.04		-.05	-.04		-.04
DX1762	WANTS NO CHILDREN(DX1762)						
DX1763	WANTS ONE CHILD(DX1763)		-.04			-.05	
DX1764	WANTS TWO CHILDREN(DX1764)						
ALCOHOL	ALCOHOL CONSUMPTION(ALCOHOL)	.09	.11				
AFFECTD	AFFECT DEPRIVATION(AFFECTD)	.04	.04	.05			
AUTH	AUTHORITARIANISM(AUTH)						
AVALD	DRUG AVAILABILITY(AVALD)	.10	.09	.12	.11	.09	.13
BONDING	FAMILY AND COMMUNITY BONDING(BONDING)				-.35	-.04	-.09
BONDS	CURVILINEAR FOR BONDING(BONDS)				.29		
CHURCHP	CHURCH PERCEPTION(CHURCHP)	-.04	-.05				
CLASSES	SCHOOL CLASSES(CLASSES)			.04			.06
COLLO	COLLEGE ORIENTATION(COLLO)	-.10	-.09	-.13	-.10	-.07	-.14
DELBEH	NONCONFORMING BEHAVIOR(DELBEH OR NONCBEH)				.32	.61	
DELBEHS	CURVILINEAR FOR NONCONFORMITY(DELBEHS)					-.42	
DELSC	DELINQUENT SELF-IMAGE(DELSC)				-.12	-.12	-.10
DEPRESS	DEPRESSION(DEPRESS)	-.05	-.07				
DRUGS	DRUG USAGE (DRUGS)	.13	.14	.11			
FAITH	FAITH IN PEOPLE(FAITH)		.04				
FAMILYC	FAMILY CRISIS(FAMILYC)						
GENDEL	GENERAL DELINQUENCY(GENDEL)	.24	.20	.22			
GUILT	GUILT(GUILT)	.04	.05		.05	.06	
MINSTRP	MINISTER PERCEPTION(MINSTRP)		-.04				
MXSD	INTERACTION OF STRESS AND NONCONFORMITY(MXSD)					.41	.49
MX5S	INTERACTION OF DATING AND STRESS(MX5S)				-.32		-.68
MX1XBD	INTERACTION OF AGE DATING BONDING & NONCONFORMITY				.18		
MX1X5S	INTERACTION OF AGE DATING BONDING & STRESS				.27		.53
PARACC	PARENTAL ACCEPTANCE(PARACC)						
PARCDC	PARENT CHILD COMMUNICATION(PARCDC)						
PARCONG	PARENTAL CONGENIALITY(PARCONG)						
PHYSWBR	PHYSICAL WELL BEING(PHYSWBR)						
POLICEP	POLICE PERCEPTION(POLICEP)	.04		.06			
RAGE	RAGE(RAGE)						
RELGITY	RELGIOSITY(RELGITY)						
SCHOOLP	SCHOOL PERCEPTION(SCHOOLP)		-.04				
SMOKE	SMOKING CIGARETTES(SMOKE)	.08	.09	.11			
SELFR	SELF REGARD(SELFR)	.04	.09		.05	.10	
STRES	CURVILINEAR FOR STRESS(STRES)					-.20	
STRESS	STRESS(STRESS)						
SUICIDE	SUICIDAL BEHAVIOR AND THOUGHTS(SUICIDE)						
TEACHRP	TEACHER PERCEPTION(TEACHRP)						

consistently added to the variance when controlling for age, sex, bonding, and stress. The reverse was true of bonding and stress since they were not significant at the .01 level except in one instance--stress for females. Therefore both dating and nonconforming behavior were consistent and significant contributors to the variance while bonding and stress were not. From an examination of the beta weights it appeared that between bonding and stress bonding was more highly predictive of male sexuality and stress of female sexuality.

TABLE 4.14--R SQUARE CHANGE WHEN SELECTED VARIABLES ARE ENTERED LAST IN EQUATION.

SUBJECTS	VARIABLE ENTERED LAST IN EQUATION	BETA	R SQUARE CHANGE	F VALUE	SIG OF F
ALL	BONDING	-.02	.000	1	.354
	STRESS	.04	.001	4	.036
	NONCONFORMITY	.44	.121	446	.000
	DATING	.25	.047	171	.000
MALES	BONDING	-.06	.002	4	.046
	STRESS	-.02	.000	0	.545
	NONCONFORMITY	.52	.165	322	.000
	DATING	.27	.057	110	.000
FEMALES	BONDING	.07	.000	0	.608
	STRESS	.11	.008	13	.000
	NONCONFORMITY	.33	.071	121	.000
	DATING	.24	.039	66	.000

Summary of Regressions

Dating was found to be a significant predictor variable for both males and females and the second regression hypothesis was accepted. Dating was not found to contribute more to the variance than nonconforming behavior in a reduced model even though it was significant. Thus the first regression hypothesis was not accepted. The variable set was reduced substantially by using a backward method of regression.

Summary of the Three Multivariate Hypotheses

Three hypotheses were advanced using all of the variables at once in multivariate procedures. Two of the three hypotheses were accepted. Hypotheses are now worded in terms of what was found:

1. Dating is the single best discriminator for predicting group membership in the discriminant analysis.

2. Dating does significantly add to the variance in the regression analysis.

3. Dating does not account for more variance than nonconforming behavior in the reduced regression model.

Summary of Data Analysis

This will summarize the findings of the bivariate and multivariate tests of the hypotheses. The plan is to examine the four areas of family and structural variables, bonding, stress, and nonconforming behavior in relation to the hypotheses tested.

Given the large number of variables which were significant and their corresponding hypotheses accepted in the bivariate analysis, a distinction will be made between relationships which are trivial and those that add meaning and insight to the study of sexual behavior. Unfortunately this cannot be done on any equitable basis other than letting the variables sift themselves out in a multivariate process. Since the independent variables were correlated with each other, only a multivariate procedure can hope to

clarify and give meaning to the variables as a set. Now let us examine our four categories of variables.

Family and Structural Variables

Family structure is the more scattered and least definitive of our four areas. Father's education, the measure of social class, is in line with previous literature suggesting that individuals from lower social classes tend toward sexual activity whereas, those from upper classes tend toward less sexual activity. From an examination of the multivariate procedures this was true only for females whose father had less than a high school education tending toward higher levels of sexual activity and females whose fathers have graduated from college tending toward lower levels of sexual activity. On religion, no differences emerged between denominations; but with denominations grouped together against no religious preference significant differences did emerge, but it was found to be a significant predictor only for males. This suggests that values conveyed through a specific religion and an adolescent continuing to label self in a specific religion by name, point to a stronger set of beliefs or prohibitions against engaging in sexual behavior at this age. The variables of sibling order and sex of siblings appeared to be of little consequence in this study of sexual behavior from the multivariate context. Ordinal position was found to be more predictive of male sexual behavior with those who are

only children or born first or second being less sexually active.

The examination of anticipated marriage age and family size appeared to be about as useful as the ordinal positioning variables. Significant correlations with sexual behavior emerged for both males and females who planned to marry before age 20. Desiring a large family was not indicative of greater amounts of sexual behavior. From the multivariate context males who intended to marry were more sexually active whereas females who did not intend to marry were less sexually active. Males preferring to have only one child tended to be less sexually active. Individuals desiring to marry early and have large families tended to be sexually active. Value preferences toward school emerged as a weak discriminator for males in that it predicted males as being less sexually active. For each sex having a positive orientation toward school, be it vocational or educational, was associated with less sexual activity and having an orientation toward social life at school or wanting to be out of school to work was associated with higher levels of sexual activity.

The final predictor variable to be discussed from the family structure section is dating. This variable was highly significant compared with others in this study. Correlations with sexual behavior were generally in the forties for males and in the thirties for females accounting for ten

to twenty-five per cent of the variance. Dating increased with age for both males and females and level of sexual activity with only one exception: group five females had lower mean scores than group four, indicating a possible leveling off of emotional commitment. In the multivariate analysis dating was a consistently strong predictor of sexual activity. Given the above information we can see that dating is definitely associated with age and level of sexual activity.

Bonding

All bonding variables were significantly related to sexual activity with the exception of female religiosity. Thus bonding was negatively related to sexual activity. Overall these bonding variables have not been used extensively by researchers of sexual activity. They do seem to be promising in that their correlations were moderate in terms of the other variables in the study, and they were consistent. Negative relationships held throughout the variable set. The three summary measures of family bonding, community bonding, and bonding were generally more strongly related to sexual activity than any of their individual measures indicating the additivity and strength of these measures. Community bonding was the strongest relationship for males pointing to stronger negative transference between the community and the adolescent male than between the family and the adolescent. This supports a form of cultural

lag hypothesis that institutions do not reflect changes as quickly as do individuals. While the family is an institution, its rules are not bonded by a codified system often relied upon by teachers, police, and ministers to gain conformance from adolescents. Also existing is the "they" ethic which cannot be pinned to any individual or institution but nevertheless acts as a restraint on human behavior. Two inconsistent findings were that police perception by females was positively related to sexual activity and religiosity was not related to sexual activity. Police perception changed from being a moderate predictor of low sexual activity to a weak predictor of sexual activity. The interpretation is not clear cut as to why this may happen. It may involve an issue of trust by women or men of whom they think they can trust, or possibly be safe from, in the community. As a cumulative measure, bonding predicts toward less sexual activity for each sex. The insignificance of religiosity was significant in and of itself. For the most part religiosity has been a consistent finding in previous studies; however, in this study it was only rarely a significant variable.

Nonconforming Behavior

This set of variables comprised acts engaged in by the individual which run counter to codified law if not parental expectations. All hypotheses were accepted for these variables with positive relationships generally in

the forties and fifties. Thus there was an overall positive relationship between nonconformity and sexual behavior. Correlations were higher for males than females on all measures as well as on the summary measure of nonconformity. On most of the measures as age and level of sexual activity increased, so did the mean score. Availability of drugs manifested one of the strongest relationships for both males and females indicating that as a person gets older, s/he is more able to obtain whatever s/he wants. While there is no measure of sexual availability, such an index might have led to a fuller understanding of adolescent sexuality.

Given the measures of nonconforming behavior it is not surprising to find that the community bonding index had a high negative correlation with sexual behavior since it is community personnel who are more likely to be the enforcers of the legal code. This is borne out in the correlations between the measures of nonconforming behavior and bonding.

In the multivariate analysis the measures were significant contributors to the variance and discriminating power except for alcohol use by females. The summary measure of nonconforming behavior was a consistently strong predictor and discriminator.

Stress

The measures of stress, while positively related to sexual behavior, were neither as strong as delinquent behavior measures nor as weak as the family structure

measures. Thus there was a positive but weak relationship between stress and sexual activity. Only self-regard and rage were higher for males. Thus our measures were somewhat equivocal though not entirely unexpected. Self-regard has more often been associated with the sexual activity for males. Males who are sexing are seen in a more positive light by peers, whereas, the reverse is true for females. This observation is borne out in the multivariate analysis where self-regard was predictive of male sexual activity and predicted membership for females in less sexually active groups.

The interrelationship of stress with sexual behavior is a bit more confusing because of the stress measures themselves. Most were geared toward syndromes of depression, guilt, and suicide. While depression and physical well-being hypotheses were not accepted for males, the overall relationship of stress to sexual behavior was accepted. In the regression model depression and affect deprivation were not predictive for females. We are unsure of how much stress is being influenced by factors such as not being loved or cared for by another person. Explaining the moderate correlation between stress and nonconforming behavior may be indicative of the negative correlation between stress and dating.

This concludes the analysis of the data. The next chapter will present a discussion of these results.

CHAPTER V

SUMMARY, DISCUSSION, LIMITATIONS AND IMPLICATIONS

Summary

This research has investigated how sexual activity is related to social and psychological variables, such as family structure, bonding, stress, and nonconforming behavior. The main findings of the study were: (1) Bivariate analysis demonstrated that with most variables of family structure, bonding, stress, and nonconformity significant relationships emerged; (2) Multiple regression analysis showed that dating, nonconforming behavior, and the interaction of stress and nonconforming behavior proved to be the most significant predictor variables; (3) Discriminant analysis demonstrated that dating was the most powerful discriminating variable and nonconformity and the interaction of stress and nonconformity were the next most powerful discriminators.

Discussion

The finding that dating and nonconforming behavior are the two variables that emerged in this study as the ones that are most strongly related to sexual activity is

consistent with previous findings to be found in marriage, family, and sociological literature. Nonconforming behavior represents the strongest predictive variable while dating is the strongest discriminating variable. Each in turn are significant predictors and discriminators of sexual activity. The use of dating as an explanatory factor of sexual behavior as compared with nonconforming behavior has received inconsistent attention over the years, even though the two are closely related. It can be noted that most of the literature dealing with adolescent sexuality either labels sexual behavior as nonconforming or associates sexual behavior with delinquent behavior. This study found that, in addition to nonconforming behavior, the dating variable is also of importance in explaining sexual activity.

To a lesser degree the bonding and stress variables also demonstrate association with sexual activity. Bonding is more often predictive of male sexual activity, while stress is a more powerful predictor of female sexual activity. Overall, stress is a more powerful discriminator of both male and female sexual behavior. Thus the usefulness of these variables depends on whether one is attempting to predict sexual activity or attempting to discriminate between levels of sexual activity.

The least predictive variables as a group are those comprising family structure. The use of these variables does help, however, to clarify the nature of the

relationship by taking into account the effects of social class, religious preference, sibling positioning, and aspirations toward marriage.

For instance, age and low social class are only slightly positive predictors of sexual activity for females, whereas being ambivalent towards marriage is a slightly negative predictor of sexual activity for females. This indicates that in some way the effects of social class operate to accelerate sexual activity while being unsure about marriage has a dampening effect on sexual activity. Weak positive predictors for the males are lack of religious preference, not intending to marry, and planning to marry before age twenty; weak negative predictors for females are being early born and wanting only one child. These weak positive predictors may be divided into two groups; those intending to marry before age twenty comprise a group of individuals who are most likely moving through the stages of dating and sexual activity at an earlier age. The other group consists of individuals who have a less restrictive attitude toward sexuality and who have less conventional aspiration towards marriage as manifested by lack of a religious preference and not intending to marry.

As a group, the variables of dating, nonconforming behavior, bonding, stress, and family structure are highly predictive variables and discriminators of sexual activity. The variance accounted for is 40 per cent for females and

56 per cent for males.

Understanding the status of role ambiguity of the adolescent may help to clarify the tripartite relationship which exists between nonconforming behavior, dating, and sexual activity. The individual moves through a maturation process during which the biophysical forces cause changes in the body and self-image of the adolescent. During this physical change, a psychological disengagement occurs and childhood-roles are being set aside. Adolescence is a period of being neither a child nor an adult. Being part of structures such as the family and the community guide the adolescent along lines dictated by adult normative expectations, while the peer group frequently represents a countervailing force leading to a new behavior. Thus a push and pull phenomenon exists for the adolescent whereby the adult normative system strives to keep the adolescent in conformance with its rules. On the other hand, adolescents in the anticipation of adult roles experiment with behaviors such as dating, drinking, smoking, and having sexual relations. This experimentation predisposes the adolescent toward activities that are prohibited to his/her age group. The particular role dilemma, combined with the use of drugs, is indicative of the existence of a sub-culture which is immersed in more intense levels of nonconforming behavior.

Dating is that institution of the society that is shaped by the normative system and may be used by the

adolescent for trying out the roles of intimacy with another individual. Dating though is differentially valued by parents; on the one hand their adolescent offspring learn to become involved with other people outside the family system. On the other hand dating and going steady, at ages twelve to fourteen, is sometimes looked upon unfavorably while dating and going steady at a later age are more in line with adult normative expectations. How far their offspring become involved and committed in a relationship is often ambiguous. Thus contradictory messages, feelings, and expectations and differential meanings of dating behavior emerge as age and sex specific phenomena that are often transmitted to the adolescent. These double-binding expectations may lead to a confusion of identity during the adolescent years. Dating, being an intimate activity of involvement with another individual implies its relationship to sexual activity. The degree to which an adolescent is sexual has to do with bonding toward a particular normative system--peer or adult, social and religious orientation, the degree to which an individual feels stressed, and has sexual opportunity. Engaging in acts which are status appropriate by legal code and having social value for adults may at the same time be acts regarded as inappropriate for adolescents because of legal age requirements or because of a conflict in values with the adult normative standards. Thus an adolescent's behavior can be viewed as conforming

or nonconforming depending on the referent group. This is again a peculiar status during this age of ambiguity.

An adolescent who is, for whatever reason, actively involved in activities outside the family structure is more likely to become involved in non-permissible activities than an adolescent who stays closely bonded to the family and community standards. At the same time this bonding, when not fulfilling the emotional and physical needs of the adolescent, can push the individual towards more involvement in activities (conforming or nonconforming, sexual or non-sexual) outside the family circle. Containment theory explains the regulation of conduct as a consequence of inner and outer control, thereby combining theories of self with theories of social structural factors to explain movement from one referent group to another.

If we view the scope of activities in which an adolescent may be involved outside the family, we can make a distinction between different types of activities, which may be acted out in the adolescents' meeting places such as school, restaurants, movie theatres, cars, and places of recreation. Social activities are those involving a group of peers, such as talking, eating, smoking, drug use, and kissing. Other heterosocial activities are being sexually intimate with another individual--dating provides the setting during which emotional and physical involvement may occur. The social institutions of adolescents vary

according to social class and geographic region--the main street hangout versus the coffee-house. As part of the typical activities that occur in these places, the adolescent further enhances his/her interpersonal competence with the opposite sex. Over time, this will lead to more involved heterosexual activity such as dating, which in turn frequently leads to a progression of involvement in higher levels of sexual activity.

Limitations

The present research is descriptive of one school system in Michigan. Thus generalizations beyond that system are limited.

The question measuring dating behavior employed in this study did not ask the respondent about experiences prior to the time of the survey; therefore, obtaining more extensive information regarding a respondent's dating behavior would most likely increase the predictive power of this variable. In addition, the related state of being in love was not measured in this survey. It could be hypothesized that the combination of going steady and being in love would factor together providing a stronger measure of intimate involvement with another person.

The use of an ordinal level variable as the dependent measure makes the regressions only tentatively acceptable. While debate still continues about the use of ordinal as interval level of measurement, it seems

appropriate to begin the partialing of variables in order to give some better clues for model building.

Another limitation is that the data are cross-sectional rather than being developmental. We are therefore able only to get a highly restrictive time perspective from the data rather than an overview of a developmental process over time.

Implications

This study has laid foundations for understanding the variables that are predictive and discriminative of adolescent sexual activity. The data of this research have shown the impact of dating, stress, bonding, and nonconforming behavior on adolescent sexual activity. Because of the use of so many variables, this research is important for indicating those variables that are and are not important in relation to sexual behavior.

The practical implications of this study are many. School personnel, such as teachers and counselors, may be able through the use of these data to understand more deeply the many aspects of adolescent sexual behavior and therefore respond more sensitively and readily. From this research we find that we can differentiate between three distinct levels or groups: (1) low sexually active group--those adolescents who are strongly tied to family and community; (2) average sexually active group--those adolescents who are involved in petting and are having infrequent intercourse

with one partner; (3) high sexually active group--those having frequent intercourse and with one or more partners. It is important to address the salient issues around sexuality in each of these groups so that the individuals have the information needed and are comfortable in the group and are able to make adaptations and transitions between groups. This information should be useful in guiding the programmatic planning for the sex education curricula; the information is also useful for counselors in understanding that sexual activity is not an isolated act, but rather one aspect of a set of behavior patterns.

Since only the second wave of data was used for this dissertation, the first wave could be subjected to the same type of analysis as a form of cross validation for each of the three school systems. Also, a cohort analysis can take place since thirteen year olds in the first wave are seventeen years old in the second wave. Such an analysis would assist in the understanding of one particular group of people. Going back into school system B for the collection of a third wave of data would be valuable. This would mean three collections of data within a decade in one school system on the vital issues of parent-child relations, drug use, stress, and sexual behavior.

The methods used in this study have demonstrated that the prediction and discrimination of sexual activity is possible among adolescents through survey methodology.

Using these methods appears to be useful in the examination of other problems of a sexual nature, i.e., examining contraceptive use and research into the determinants of adolescent pregnancy.

Once variables are gathered in a time ordered sequence, the development of path analytic models will be more appropriate. Such research will give a clearer understanding of what happens over time and of the interrelationship of the variables affecting sexual behavior. Further research using multivariate models and techniques is of utmost importance because of their power to control extraneous factors. Without such tools the researchers are left to report percentages and simple order relationships which are sometimes artifactial.

Level of measurement is another area needing further research. The development of a truly interval or ratio measure of sexual behavior needs to be attempted. Such a lead has already been taken by communication researchers in the development of ratio scales to measure social psychological attitudes.

The data of this study provide information from the perspective of the adolescent. Another useful extension to this study would be to collect information from parents and teachers in order to assess how they perceive adolescents and the normative standards the adolescents should be guided by. From these multiple perspectives a comprehensive theory

of the relationship of adolescent behavior to family and community can be built.

APPENDICES

APPENDIX A

APPENDIX A

METHODOLOGICAL CONSIDERATIONS

This section will focus on the development of measures of sexual behavior, construction of indexes, and description of statistical routines used in the analysis of the data.

Measurement of Sexual Behavior

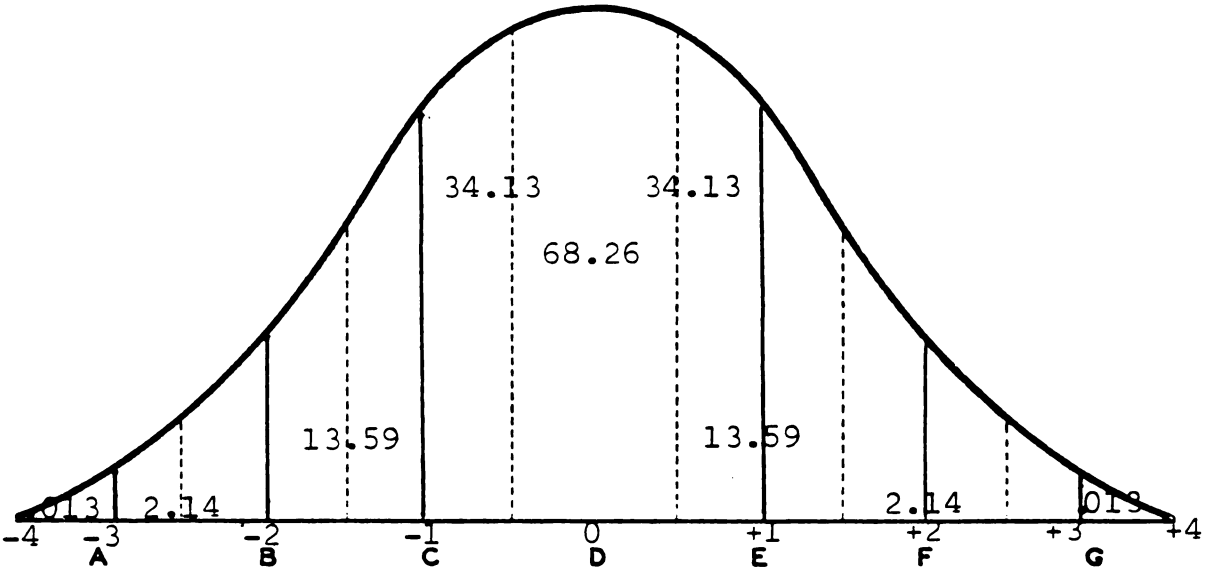
While most of the studies employing sexual behavior as a dependent measure have been qualitative in nature, few if any have employed any theoretical justification for the use of their measure of sexual behavior. This is neither meant to be a criticism of the research per se nor does it necessarily reflect on the quality of the research. It does point to an often blind usage of measures of sexual behavior--researchers who do not know the consequences of using one measure versus another. The aim of the following presentation is to lend some perspective to a theoretical basis for the construction of a categorical measure of sexual behavior and to develop a continuous measure of sexual behavior which is as error free as possible.

A Model of Conformity

Cavan (1962:19) has presented a model of conformity based on the normal curve (see Figure A.1). Seven behavior types are described within the distribution of the normal curve; they are:

A. Contraculture (delinquent)
B. Extreme underconformity
C. Minor underconformity
D. Normal conformity
E. Minor overconformity
F. Extreme overconformity
G. Contraculture (extreme goodness)

Normal conformity is described by Cavan (1962:18) as average behavior that basically conforms to the values of society. Conformity throughout this study is interpreted in relation to the adult normative standard rather than the ethnocentric standards set by peers. The response of the typical adolescent toward public, the public's reaction, the public's attitude, the adolescent's attitude toward self, and examples are contained underneath Figure A.1. One would not expect this curve to actually fit the distribution of behaviors by adolescents since available data indicate that most adolescents fall in the upper range of conformity. However, it has usefulness as a theoretical distribution of possible behaviors from which to make behavioral comparisons. An immediate problem of the grouping by Cavan is that her categories fall within standard deviation parameters, rather than being mutually exclusive. For instance, category C falls midway between the first and second negative standard deviation. Thus we are not sure if minor



	Contraculture (delinquent)	Extreme underconformity	Minor underconformity	Normal conformity	Minor overconformity	Extreme overconformity	Contraculture (extreme goodness)
Public attitude	Condemnation; "hard core"	Disapproval	Toleration without approval	Tolerance with approval			
Public reaction	Rejection; school expulsion; commitment to correctional school	Police warnings; school suspension; referrals to social agencies	Disciplinary action by parents or school	Indifference; acceptance; mild reproofs		(Details for overconformity not included.)	
Child's attitude toward public	Rejects values of D	Wavers between acceptance and rejection of D values	Accepts values of D; feels guilt	Accepts values of D; feels no guilt			
Child's attitude toward self	Self-concept of delinquent	Confused self-concept; marginal to D and A	Views self as a misbehaving nondelinquent	Conforming nondelinquent			
Examples:	Indiscriminate murder	Manslaughter in fight	Negligent homicide	Somewhat careless but no danger to others			
	Armed robbery; burglary	Larceny of valuables	"Borrowing" to use; pilfering	Minor pilfering			
	Rape; serious sex deviations; promiscuity; prostitution	Promiscuity; minor sex deviations	Extensive normal sex relations	Occasional normal sex relations			
	Drug addiction	Occasional use of drugs	Smoking marihuana only	Smoke tobacco only			

Figure A.1--Hypothetical Formulation of a Behavior Continuum for the Five Levels of Sexual Activity.

underconformity is meant to be within the "normal" range of behavior. Cavan's categories are represented by the dashed vertical lines. Solid vertical lines have been added to Figure 1 to depict more accurately the properties of the normal curve, that is, 68.26 per cent of the distribution lies within plus or minus one standard deviation, 13.59 per cent lies within +-1-2 S.D., 2.14 per cent lies within +-2-3 S.D., and .013 per cent is beyond +-3 S.D. This still leaves us with seven categories; however, the range for normality has been greatly expanded and the range for contraculture behavior greatly reduced. The extreme and minor (under) conformity categories have also been reduced. Since the actual distribution of adolescent conformity is more likely to be positive skewed, one would expect to find more adolescents who are conforming than those who are not conforming.

For the purpose of this study category A is underrepresented since this is a group of individuals who have committed serious acts within the community and have probably been institutionalized as a result. Category G is represented in the sample; however, .013 per cent of 2,143 subjects is only twenty-eight individuals. Identifying these subjects would be well nigh impossible due to the skewness toward conformity so they can be subsumed under category F. Category A will be subsumed under B; that is, people who have not yet been adjudicated and who, by a simple twist of fate, are still in the school system. This

leaves us with five behavior groupings; they are:

1. High underconformity
2. Underconformity
3. Conformity
4. Overconformity
5. High overconformity

It is from these five categories and the assumption underlying this model that an index of sexual behavior is to be constructed.

Indexing of Sexual Behavior Items

An eight item index of heterosexual behavior devised specifically for adolescents will be the criterion measure in this study. Vener et al. (1972) and Vener and Stewart (1974) have reported on the use of this instrument in previous studies of adolescent sexual behavior. Similar scales developed and tested by Bentler (1968a, 1968b), Zuckerman (1973,), Brady and Levitt (1965), Podell and Perkins (1957), Thorne (1966a, 1966b) have been used by sex researchers. Face validity, inter-item correlations, item-total correlations, factor analysis, and test retest reliability have been the main type of procedures used for establishing the validity and reliability of these instruments.

In the present study two different types of scoring methods were employed to operationalize sexual behavior as a continuous measure. A sexual behavior index which involves a summing of the items as responded to and a weighted index employing the same items comprise the two continuous measures. Sexual behavior as a categorical variable with mutually exclusive categories corresponding to the five levels

of conformity previously extracted from Cavan is a third measure of sexual behavior. The nature of the measurement problem was to create a continuous measure of sexual behavior that would ordinally and unambiguously place individuals within the parameters of the five levels of conformity as described above. It was thought that in order to make the results of the different analyses employed comparable an individual must be consistently categorized at one level of behavior versus two levels. For example if a person had engaged in intercourse with one partner this person should be treated as such in both the categorical and continuous uses of measurement. Another way of stating this is that their ordinal rank should be the same on both measures.

The items used to develop our measurement of sexual behavior are:

55.[1] Held hands with someone of the opposite sex (not including relatives)?

56. Held your arm around or been held by someone of the opposite sex (not including relatives)?

57. Kissed or been kissed by someone of the opposite sex (not including relatives)?

58. Necked (prolonged kissing and higging) (sic) with someone of the opposite sex?

59. Been involved in light petting (feeling above the waist) with someone of the opposite sex?

60. Been involved in heavy petting (feeling below the waist) with someone of the opposite sex?

---

[1]The numbers preceding each item refers to the number of this item as they were dispersed in the actual opinionnaire.

The above questions were scored as (1) Never (2) Seldom (3) Sometimes (4) Frequently (5) Very Frequently.

61. Have you ever gone all the way with someone of the opposite sex?

    1. Never
    2. Once
    3. 3 to 5 times
    4. 6 to 12 times
    5. 13 or more times

62. With how many people of the opposite sex have you gone all the way?

    1. I have not gone all the way.
    2. One person
    3. 2 to 3 people
    4. 4 to 6 people
    5. 7 or more people

Sexual Behavior as a Categorical Variable

In order to use the three statistical procedures of contingency analysis, one way analysis of variance, and discriminant analysis a categorical variable needed to be devised. Based upon the five levels of conformity described above it was decided that the conformity levels would be equated to the following types of sexual behavior:

Computer Label	Level	Conformity Label	Type of Sexual Behavior	Variables
GRP1=1	1	High Overconformity	No Sex	
GRP1=2	2	Overconformity	Kissing, hugging holding hands	55 to 57
GRP1=3	3	Conformity	Light and heavy petting	58 to 60
GRP1=4	4	Underconformity	Intercourse 1 partner	62
GRP1=5	5	High Underconformity	Intercourse 2 or more partners	62

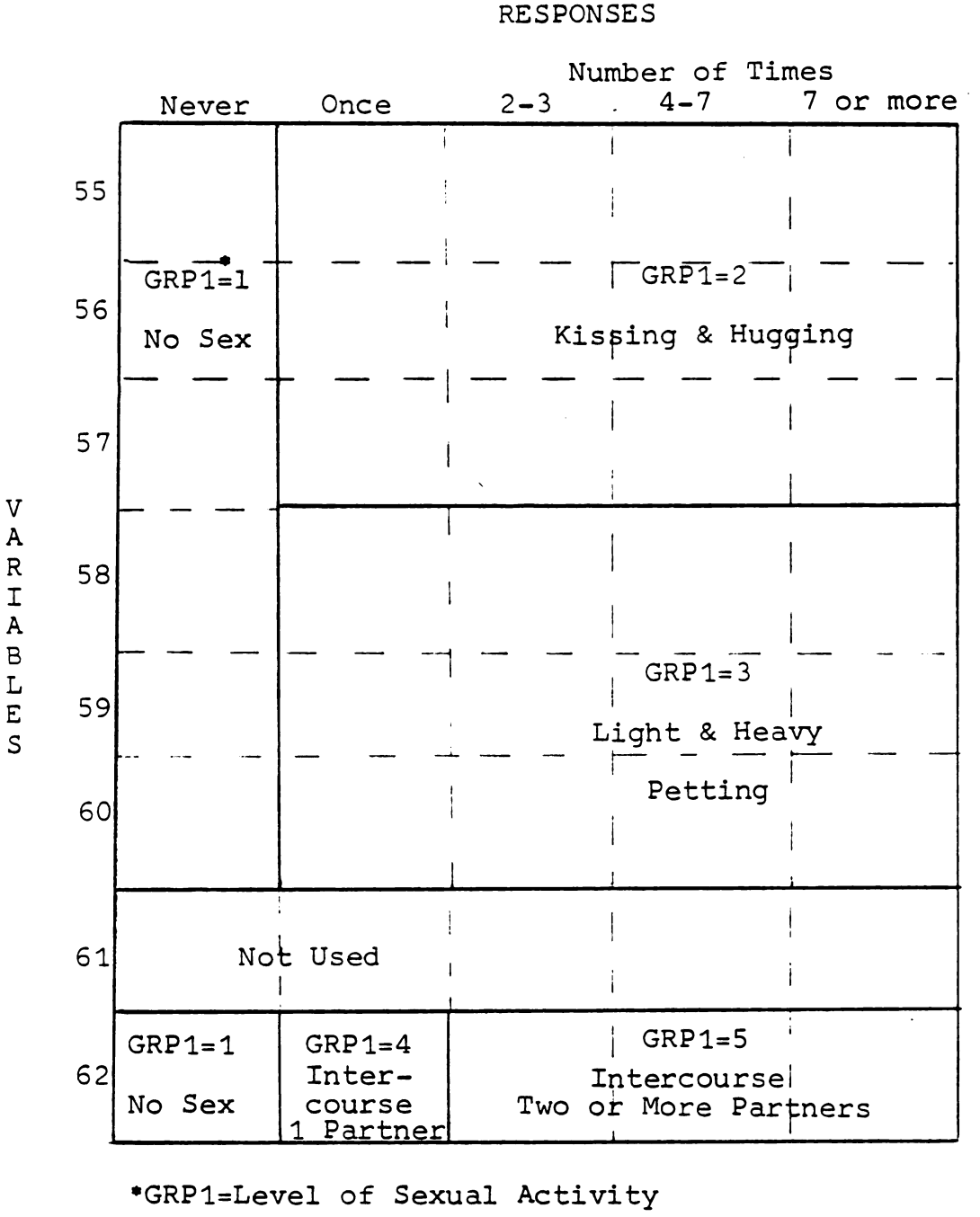
Pictorially Figure A.2 shows how the program divided the index into five mutually exclusive categories. Variable 61 was not needed in the program since it dealt with the number of times a person had intercourse and that particular piece of information was not needed to construct the five groups.

The correlations for all subjects between the categorical measure (GRP1) and the continuous measure (SB) not using variable 61 is .851. This was thought to be too low of a correlation between measures which purported to be measuring the same thing. The correlation between GRP1 and SB when divided into the same categories as the other indices is r=.850. This further confirms the argument that two measures purportedly the same are actually measuring a different phenomenon. All correlations so far mentioned differ significantly from 1 at the .001 level. At this point it was decided to construct two weighted measures of sexual behavior to see if they improved the correspondence between the categorical variable and themselves.

Weighted Indexes of Sexual Behavior

One weighted index SXABC was the variables' values of two to five recoded to twos and then given the following weights:

X55 = 5
X56 = 12
X57 = 25
X58 = 50
X59 = 100
X60 = 200
X62 (2) = 400 (3 thru 5) = 800



*GRP1=Level of Sexual Activity

Figure A.2.--Five Categories of Sexual Activity in Relation to the Eight Items of Sexual Behavior.

This index, when divided into the five groupings and correlated with GRP1, yielded as r=1.00. Thus the two variables were exactly the same. When SXABC was not categorized its correlations GRP1 was .919 which was significantly different from one at the .010 level.

The other measure (SXBEH) is a fully weighted index for each foil, thus using all of the available information. Its correlation with GRP1 when divided into comparable categories is r=.969. Its correlation with GRP1 when left as a continuous measure is r=.633. Thus the weighted measures are not comparable to each other since each are significantly different from 1 and significantly different from each other.

Since the concern of this investigation is with the highest level of sexual behavior engaged in by individuals and not how many times they participated in a particular behavior the weighted measure of SXABC was chosen as the continuous measure and GRP1 as the categorical measure.

Level of Measurement

The question must now be addressed regarding the level of measurement. The statistical procedures of regression, Pearsonian correlation, analysis of variance, factor analysis, and analysis of variance require intervally scaled variables. The above items used to construct the categorical and continuous measures are highly ordinal.

A Guttman Scale analysis was done for all subjects; males and females, and by age. Table A.1 gives the results of that analysis. All subgroups had good coefficients of reproducibility (above .9 is considered sufficient) and except for 12 year old females coefficients of scaleability were above were well above the .60 recommended level. It is not certain what contibuted to the low scaleability for 12 year old females. Whether it is an artifact of this data set or that this scale may not be as useful with preadolescent females is not known.

Table A.1--Guttman Scale Analysis of the Eight Item Index of Sexual Behavior.

	Coefficient of Reproducibility	Coefficient of Scaleability	Number of Subjects	Number of Missing Subjects
All	.97	.89	2140	3
Males	.97	.89	1009	2
Females	.97	.89	1131	1
Males by Age				
M12	.97	.90	80	0
M13	.97	.90	180	0
M14	.96	.86	218	0
M15	.97	.88	190	0
M16	.96	.86	169	2
M17	.99	.94	172	0
Females by Age				
F12	.94	.70	104	0
F13	.96	.84	217	1
F14	.97	.89	217	0
F15	.97	.90	218	0
F16	.99	.95	190	0
F17	.98	.90	185	0

Given that the variables are highly ordinal the question which concerns us is how close do they come to being interval? Labinovitz (1967, 1968, and 1970) has attempted to answer this question using occupational ratings and suicide rates in order to provide clarification of this problem and to offer guidelines to users. Labinovitz (1970: 515) thinks that the use of ordinal variables as interval, even though there may be small errors, is offset by the use of more powerful, sensitive, better developed, and more clearly interpretable statistics with known sampling error. Given the monotonic nature of the variable occupational prestige Labinovitz assigned both random and nonrandom numbers to the rank orders of the variables. When compared with the "true" scoring system only negligible error resulted.

It is from this line of reasoning that the measurement in the present study has been designed. The use of two measures of sexual behavior--GRP1 the categorical measure and SXABC the continuous measure are thought to be best for this investigation. The fact that the higher the number of possible responses the more accurate is the estimation of the intervals for reducing error. Labinovitz (1970:521) explains that error variance diminishes more rapidly than the total variance as the number of points on the continuum increases. Also the standard deviations among the correlation coefficents decrease as the points increase.

While this study will not be able to answer the question concerning the validity of this ordinal measure of sexual behavior being used at an interval level an inspection of the correlations in Table A.2. will give the reader an indication that how a measure is scored affects its subsequent correlations. In Table A.2 we have six different scoring routines for sexual behavior. SB is an unweighted summed index; SXABC is weighted only for level of behavior; SXBEH is weighted for level and intensity; GRP1 is the mutually exclusive categorical variable and the same as SXABC when divided up; SB3 is SB split up according to the five categories; SXBER is SXBEH split up into categories. These six measures are correlated with themselves and age (X1), sex (X2), dating (X5), stress, and nonconforming behavior.

Figure A.3 is a plot of the three continuous measures of sexual behavior by age. Each variable was given a mean of three and a standard deviation of one. The plots in Figure A.3b and c reveal that SB is a more conservative measure at early ages for males whereas SB is a more liberal measure for females at later ages. SXBEH is more conservative measure at later ages for females but more liberal for males and females at early ages. SXABC appears to be the most moderate measure of sexual behavior given the other two measures. In only two instances for all three figures does SXABC stand alone--15 year old males and 14 year old females; otherwise, it is the same as within or between the values for the other two measures. SXABC is thought to best

Table A.2—Correlations Between Variables Measuring Sexual Behavior and Selected Variables for All Subjects, Males,and Females.

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
(1)	1.000	.919	.839	.850	.614	.860	.331	.661	.268	.612
(2)	.000	1.000	.779	.812	.639	.797	.287	.584	.254	.562
(3)	.000	.000	1.000	.918	.718	.893	.240	.452	.269	.590
(4)	.000	.000	.000	1.000	.633	.969	.255	.515	.261	.580
(5)	.000	.000	.000	.000	1.000	.641	.132	.279	.203	.459
(6)	.000	.000	.000	.000	.000	1.000	.284	.545	.255	.579
(7)	.000	.000	.000	.000	.000	.000	1.000	.390	.015	.145
(8)	.000	.000	.000	.000	.000	.000	.000	1.000	.145	.379
(9)	.000	.000	.000	.000	.000	.000	.000	.000	1.000	.413
(10)	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.000

Males and Females

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
(1)	1.000	.927	.858	.865	.652	.875	.248	.636	.257	.654
(2)	.910	1.000	.793	.825	.670	.813	.223	.577	.265	.609
(3)	.824	.765	1.000	.940	.719	.919	.171	.490	.271	.648
(4)	.834	.796	.892	1.000	.650	.971	.196	.525	.263	.633
(5)	.590	.615	.727	.618	1.000	.665	.097	.323	.221	.512
(6)	.843	.776	.863	.968	.618	1.000	.227	.544	.258	.632
(7)	.412	.353	.318	.320	.194	.346	1.000	.320	-.024	.151
(8)	.700	.611	.455	.532	.268	.571	.451	1.000	.139	.411
(9)	.283	.248	.293	.268	.213	.261	.050	.148	1.000	.432
(10)	.563	.560	.489	.500	.337	.501	.137	.388	.417	1.000

(1) SB (2) SB3 (3) SXABC (4) GRP1 (5) SXDEH (6) SXDER (7) X1 (8) X5 (9) STRESS (10) NONCERT
Males on upper diagonal and females on lower diagonal

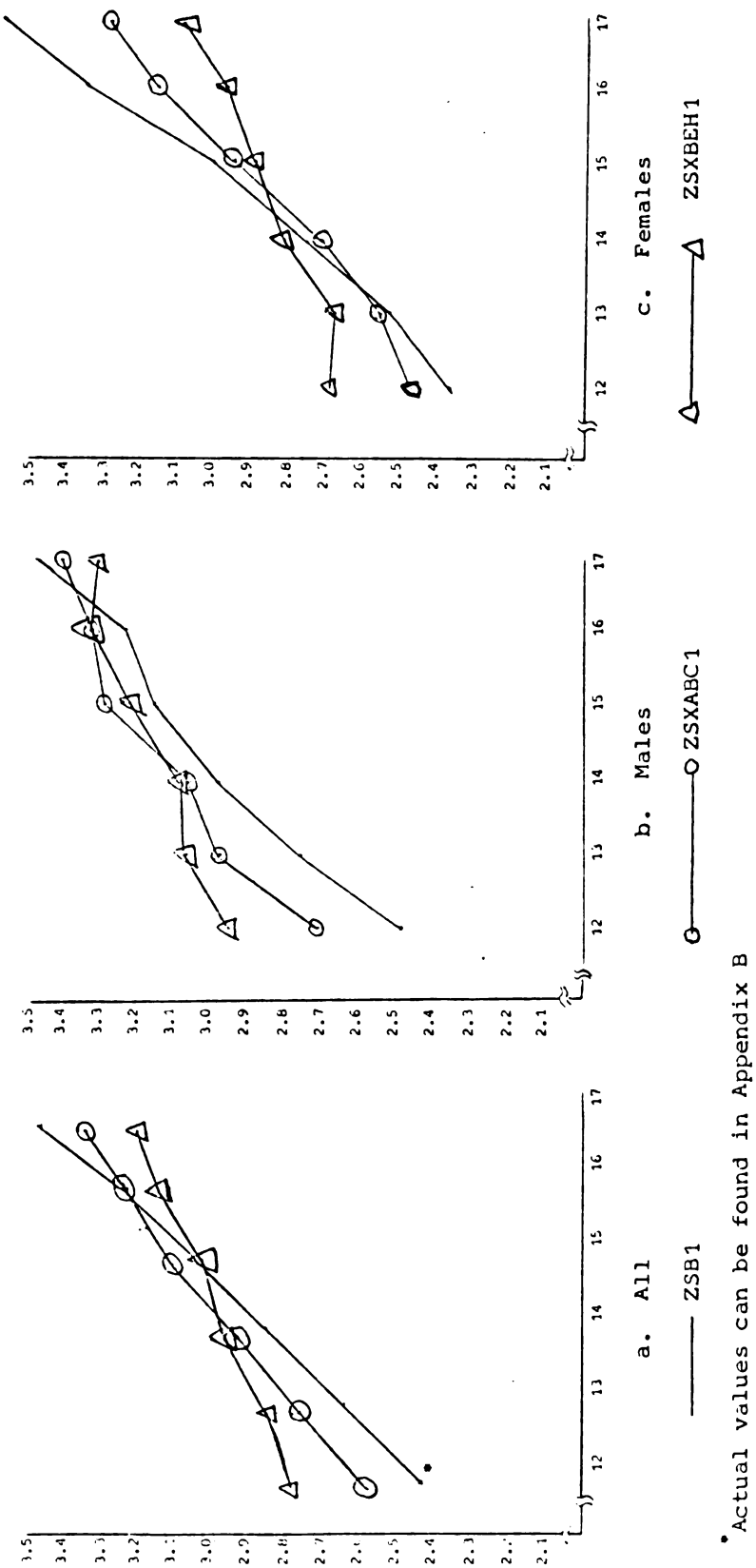
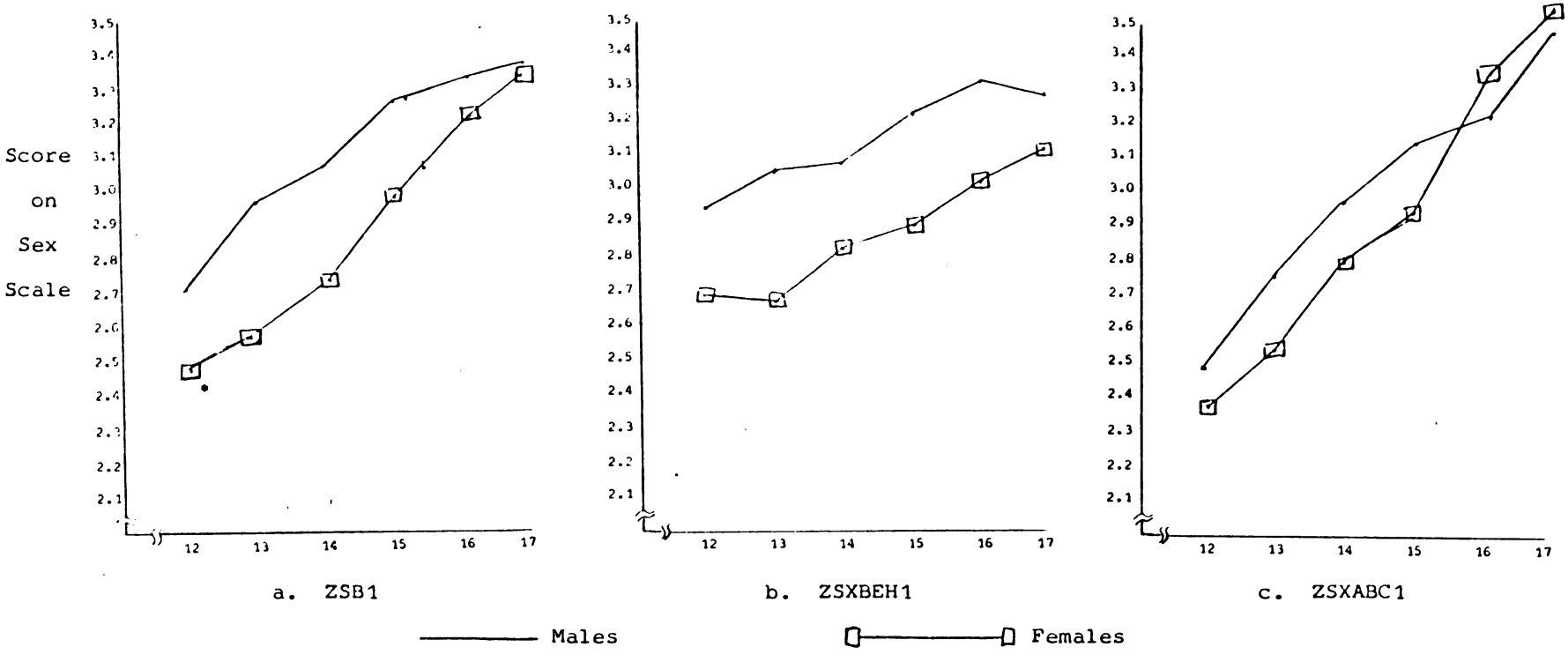


Figure A.3--Comparison of the Three Measures of Sexual Behavior (Standardized Mean = 3 and S.D. = 1) for All Subjects, Males, and Females by Age.

•Actual values can be found in Appendix B



*Actual values can be found in Appendix B

Figure A.4--Comparison of Males and Females on the Three Measures of Sexual Behavior by Age.

represent the highest level of sexual behavior engaged in by an adolescent and it is with this measure that future analysis will be conducted. Figures A.4a, b, and c depict the three measures of sexual behavior charted for age and sex. Figure A.4a shows how SB interacts with females at ages 16 and 17 exceeding the behavior of males. Figure A.4b shows how males are at a more intense level of sexual activity throughout the ages studied. Figure A.4c shows how females are playing a catching up game around level of sexual behavior, whereas males tend to level out from ages 15 through seventeen. Three different scoring methods of the same behavior appear to represent three different trends concerning the sexual behavior of adolescents. This we hope will serve to caution sex researchers about making inferences from cross-sectional data without taking into consideration how they have measured their variable.

This concludes our discussion of the dependent variable and its measurement. Some other information pertaining to the sexual behavior items are found in the next section dealing with the construction of the indexes for the independent variables.

Specific Indexes and Item Descriptions

Application of the method of index construction described in Chapter III resulted in the development of indexes, most of which contain between 3 and 8 items. It is acknowledged that those indexes comprised of three or less items are somewhat weak, due to restriction of the score

range. Specifically, the indexes of Minister Perception and Suicide are considered less than powerful and should be so interpreted. They were, however, included following the assumption of Waisanen et al. (1966) that several questions are better than a single question in the measurement of a variable. The other variables that consist of single items, along with the various indexes, are described in the following sections under four broad categories of family structure, bonding, stress, and delinquent behavior.

Most index items require the respondent to select his/her answer from among the following five responses:[2]

1. Strongly Disagree
2. Disagree
3. Uncertain[3]
4. Agree
5. Strongly Agree

The method of index scoring which was decided upon, was to first count all of the missing items in the index,

---

[2]These same response categories were used in a number of indexes and will not be repeated in the descriptions of those specific indexes. However, other response categories were used in eight of the indexes and can be found in Appendix D.

[3]The response category "uncertain" was scored as a 3 in the index construction. This category of response is difficult to interpret because there is ambiguity regarding the conceptual meaning of "uncertain" and in the directions given to students for filling out the questionnaire; that is, students were instructed not to dwell on an item if they did not know how to respond--skip over the item. Some students may have used the uncertain category while others skipped over the item. Other issues concerning the use of Likert scales are explored by Guy and Norvel (1977).

sum the items in the index and divide by the number of items minus the number of missing values. For instance, if there are six items in the scale a count is first made of the number of missing items. In this study all blanks were regarded as missing values and given a value of 0:

```
Count          N=X1 X2 X3 X4 X5 X6(0)
```

After the count of missing values has been made (zeros in this instance), the index is summed and divided by the total number minus the missing values.

```
Compute        INDEX=(X1+X2+X3+X4+X5+X6)/(6-N)
```

Using this method of scoring had two advantages. One, subjects with some missing responses to items in an index were not removed from the sample, and two, all index scores were standardized along a 1-5 continuum which made comparison of scores easier and also the same response range of the original items. A disadvantage to this method of index scoring is that a subject may have answered only one item in the index and the resulting index score would be the value obtained for that item.

Unfortunately, the two items comprising the delinquent self-image scale (X164 and X168) were at the end of the opinionnaire and were not responded to by 50 and 59 subjects respectively. It was decided to assign the mean, a value of two, to subjects who did not respond to this item so they would not be dropped from analysis which excluded subjects with missing data.

Remaining are the indexes, constructed from two possible methods--sexual activity was constructed using an absolute criteria based on identifiable levels of sexual behavior and the other indexes were based on a summing of the items. The index of sexual activity was not based on a summing of the items but rather on an ordinal criteria and verified with Guttman scaling techniques.

Summing of the indexes without using an absolute criteria based on an ordinal ranking does produce error as to how much a person is experiencing a given dimension of behavior. For example, the depression index (DEPRESS) was originally comprised of eight items (see pages 157 and Appendix D for fuller descriptions); after the factor analysis item thirteen "At times, I feel I'm not worth very much" was factored out thus leaving seven items. While the seven remaining items have factor loadings ranging from .34 to .52, a range of inter-item correlations from .19 to .44, item--total correlations ranging from .35 to .57, and an alpha of .77; we do not know at this time if the items possess a strong ordinal ranking, that is, scale to Guttman criteria as do the items in the sexual activity index.

Thus it may be questionable as to what phenomena is really being measured. All the indexes in this study, except for the sexual activity index, have the same basic problem when using a Leikert method of response; that is intense response to items low on an ordinal scale may

outweigh light to moderate responses high on the ordinal criteria. For instance, if we have seven items as described in the depression index above and a possible score range of one to five--one being low intensity on the item and five being high intensity--then a person can score high on the low items and low on the high items with the resultant score indicating a greater intensity on the overall index for a person who is not experiencing the high range of the index.

Solving this problem would involve several steps which are beyond the scope of this study. They are: (1) Establish validity, if possible, by the use of expert raters for the items; (2) Perform Guttman scaling on the items as a check against the ratings and for strength of consistent ordinality; (3) Weight items according to strength and ordinality or set up an absolute criteria as was done with the sexual activity scale.

While the methods used in this dissertation follow practices of the past as to indexing of items, the need for more accurate methods of indexing are apparent from the dilemma presented.

Thus, indexes in this study, other than sexual activity, have been simply summed. The following will be a presentation of the statistical procedures used in the verification of the indexes.

Table A.3 is a summary of the items comprising the Indexes, their factor loadings, range of correlations, and their interitem correlations. Items used alone in the study are found in the original opinionnaire in Appendix D.

This concludes the presentation of the indexes. The reliability of the indexes can be found in Table 3.3 as well as tests for nonadditivity.

TABLE A.3--FACTOR LOADINGS, RANGE OF INTER-ITEM CORRELATIONS, AND ITEM-TOTAL CORRELATIONS FOR ITEMS IN THE INDEXES.

		FL	RANGE OF I-I	I-T
SB	UNWEIGHTED MEASURE OF SEXUAL ACTIVITY(SB)			
55.	HELD HANDS WITH SOMEONE OF	.85	.37 TO .90	.77
56.	HELD YOUR ARM AROUND OR BEE....	.91	.37 TO .90	.84
57.	KISSED OR BEEN KISSED BY SO....	.90	.37 TO .90	.84
58.	NECKED (PROLONGED KISSING A....	.80	.37 TO .90	.87
59.	BEEN INVOLVED IN LIGHT PETT....	.65	.37 TO .90	.85
60.	BEEN INVOLVED IN HEAVY PETT....	.75	.37 TO .90	.80
61.	HAVE YOU EVER GONE ALL THE	.89	.37 TO .90	.67
62.	WITH HOW MANY PEOPLE OF THE....	.83	.37 TO .90	.63
PARCDC	PARENT CHILD COMMUNICATION(PARCDC)			
63.	MY PARENTS TALK TO ME,NOT	.42	.26 TO .63	.42
66.	WHEN I TELL MY PARENTS THE	.60	.26 TO .63	.54
96.	I CAN TALK TO MY PARENTS AN....	.57	.26 TO .63	.70
98.	IT,S EASY FOR ME TO TALK TO....	.50	.26 TO .63	.66
169.	MY PARENTS LISTEN TO WHAT I....	.64	.26 TO .63	.63
173.	I CAN TALK TO MY PARENTS AB....	.47	.26 TO .63	.62
PARACC	PARENTAL ACCEPTANCE(PARACC)			
27.	MY PARENTS ARE HAPPY I WAS	.52	.28 TO .56	.53
75.	MY PARENTS PRAISE AND ENCOU....	.56	.28 TO .56	.55
93.	MY PARENTS CARE WHAT HAPPEN....	.60	.28 TO .56	.58
112.	MY PARENTS ARE INTERESTED I....	.61	.28 TO .56	.61
145.	MY PARENTS LIKE ME	.71	.28 TO .56	.68
148.	MY PARENTS ENJOY HAVING ME	.62	.28 TO .56	.61
166.	MY PARENTS THINK I'M AS GOO....	.50	.28 TO .56	.48
PARCONG	PARENTAL CONGENIALITY(PARCONG)			
72.	MY PARENTS ENJOY BEING WITH....	.74	.48 TO .70	.74
118.	HOW EASY IS IT FOR YOUR PAR....	.72	.48 TO .70	.71
119.	RATE YOUR PARENTS GENERAL R....	.77	.48 TO .70	.75
120.	MY PARENTS ARE CONSIDERATE	.73	.48 TO .70	.72
123.	MY PARENTS DO NICE THINGS F....	.76	.48 TO .70	.75
126.	MY PARENTS SHOW AFFECTION F....	.80	.48 TO .70	.77
127.	MY PARENTS AGREE ON IMPORTA....	.62	.48 TO .70	.63

Table A.3--Factor Loadings, Range....(Continued).

POLICEP	**POLICE PERCEPTION(POLICEP)**			
18.	COMMUNITIES COULD NOT EXIST....	.39	.13 TO .52	.37
69.	POLICE SHOULD BE ADMIRED AN....	.63	.13 TO .52	.54
74.	A TYPICAL POLICE OFFICER IS....	.63	.13 TO .52	.58
117.	POLICE ARE FAIR IN THEIR TR....	.59	.13 TO .52	.57
146.	POLICE ARE HELPFUL IN TIME	.54	.13 TO .52	.53
165.	POLICE SELDOM MISUSE THEIR	.32	.13 TO .52	.41
170.	IT IS UNUSUAL FOR THE POLIC....	.26	.13 TO .52	.35
CHURCHP	**CHURCH PERCEPTION(CHURCHP)**			
29.	THE CHURCH (SYNAGOGUE) HELP....	.49	.51 TO .58	.62
41.	YOU CAN COUNT ON THE CHURCH....	.43	.51 TO .58	.59
95.	THE CHURCH (SYNAGOGUE) HAS	.53	.51 TO .58	.64
TEACHRP	**TEACHER PERCEPTION(TEACHRP)**			
14.	MOST TEACHERS ARE INTERESTI....	.36	.17 TO .44	.51
24.	MOST TEACHERS ARE EASY TO T....	.34	.17 TO .44	.46
37.	MOST TEACHERS ARE INTERESTE....	.59	.17 TO .44	.50
70.	MATERIAL TAUGHT IN SCHOOL I....	.46	.17 TO .44	.47
99.	MOST TEACHERS TREAT STUDENT....	.52	.17 TO .44	.31
115.	MOST TEACHERS SHOULD BE RES....	.31	.17 TO .44	.47
149.	MOST TEACHERS ARE HELPFUL	.50	.17 TO .44	.60
RELGITY	**RELGIOSITY(RELGITY)**			
12.	WITH THE SECOND COMING OF C....	.67	.33 TO .62	.60
16.	I BELIEVE THERE IS A HELL W....	.73	.33 TO .62	.66
45.	I BELIEVE THERE IS A DIVINE....	.75	.33 TO .62	.53
116.	I BELIEVE THERE IS A LIFE A....	.54	.33 TO .62	.57
144.	TO,THE MOST IMPORTANT WORK	.61	.33 TO .62	.58
150.	THE BIBLE IS GOD'S WORD AND....	.58	.33 TO .62	.69
174.	GOD IS A HEAVENLY FATHER WH....	.69	.33 TO .62	.61
AUTH	**AUTHORITARIANISM(AUTH)**			
25.	OBEDIENCE AND RESPECT FOR A....	.41	.19 TO .42	.49
65.	THERE IS HARDLY ANYONE LOWE....	.33	.19 TO .42	.33
68.	WHAT YOUTH NEEDS MOST IS ST....	.45	.19 TO .42	.42
108.	IT IS IMPORTANT TO TEACH CH....	.31	.19 TO .42	.44
114.	ANY GOOD PARENT SHOULD BE S....	.45	.19 TO .42	.43
151.	PEOPLE SHOULD HAVE MORE RES....	.36	.19 TO .42	.48
FAITH	**FAITH IN PEOPLE(FAITH)**			
9.	I HAVE FAITH IN PEOPLE	.31	.06 TO .26	.27
17.	FEW PEOPLE ARE REALLY SELFI....	.34	.06 TO .26	.24
40.	A PERSON USUALLY KNOWS WHO	.30	.06 TO .26	.24
71.	IT'S EASY TO FIGURE OUT WHO....	.40	.06 TO .26	.30
73.	PEOPLE WILL SELDOM TAKE ADV....	.44	.06 TO .26	.30
100.	WHEN DEALING WITH PEOPLE, Y....	.53	.06 TO .26	.39
COLLO	**COLLEGE ORIENTATION(COLLO)**			
50.	DO YOU PLAN TO GRADUATE FRO....	.71	.24 TO .54	.32
51.	ARE YOU PLANNING TO GO TO C....	.58	.24 TO .54	.65
52.	HOW MANY OF YOUR FRIENDS PL....	.56	.24 TO .54	.53
53.	MY PARENTS	.62	.24 TO .54	.47
54.	DO YOU THINK YOU HAVE THE A....	.44	.24 TO .54	.58
77.	MOST OF YOUR GRADES HAVE BE....	.44	.24 TO .54	.51

Table A.3--Factor Loadings, Range....(Continued).

MINSTRP	**MINISTER PERCEPTION(MINSTRP)**			
152.	MINISTERS, PRIESTS AND RABB....	.32	.40 TO .52	.47
167.	MINISTERS, PRIESTS AND RABB....	.34	.40 TO .52	.56
172.	MINISTERS, PRIESTS AND RABB....	.38	.40 TO .52	.52
SCHOOLP	**SCHOOL PERCEPTION(SCHOOLP)**			
15.	I AM PROUD OF MY SCHOOL	.30	.21 TO .45	.41
32.	SCHOOL IS A FRIENDLY PLACE	.46	.21 TO .45	.46
39.	I WOULD RATHER BE IN SCHOOL....	.50	.21 TO .45	.42
70.	MATERIAL TAUGHT IN SCHOOL I....	.21	.21 TO .45	.36
111.	I ENJOY GOING TO SCHOOL	.64	.21 TO .45	.58
SMOKE	**SMOKING CIGARETTES(SMOKE)**			
19.	ON THE AVERAGE, HOW MANY CI....	.73	.48 TO .88	.75
20.	I INHALE WHEN I SMOKE	.88	.48 TO .88	.81
21.	I ENJOY SMOKING CIGARETTES	.83	.48 TO .88	.81
22.	ARE YOUR PARENTS SMOKERS	.12	.48 TO .88	.18
23.	HOW MANY OF YOUR FRIENDS SM....	.43	.48 TO .88	.56
ALCOHOL	**ALCOHOL CONSUMPTION(ALCOHOL)**			
34.	BEER TO DRINK	.62	.51 TO .56	.61
35.	WINE TO DRINK	.67	.51 TO .56	.59
36.	WHISKEY TO DRINK	.64	.51 TO .56	.63
DRUGS	**DRUG USAGE (DRUGS)**			
102.	MARIJUANA	.55	.26 TO .77	.61
103.	HALLUCINOGENS OR PSYCHEDELI....	.85	.26 TO .77	.80
104.	AMPHETAMINES OR METHAMPHETA....	.82	.26 TO .77	.77
105.	HARD DRUGS (SUCH AS HEROIN,....	.59	.26 TO .77	.51
106.	SEDATIVES (DOWNERS SUCH AS	.75	.26 TO .77	.78
AVALD	**DRUG AVAILABILITY(AVALD)**			
153.	MARIJUANA, HOW DIFFICULT WO....	.70	.56 TO .85	.75
154.	HALLUCINOGENS OR PSYCHEDELI....	.86	.56 TO .85	.87
155.	AMPHETAMINES OR METHAMPHETA....	.88	.56 TO .85	.88
156.	HARD DRUGS (SUCH AS HEROIN,....	.73	.56 TO .85	.76
157.	SEDATIVES (DOWNERS SUCH AS	.78	.56 TO .85	.81
GENDEL	**GENERAL DELINQUENCY(GENDEL)**			
83.	TAKEN THINGS FROM STORES WI....	.55	.16 TO .58	.60
84.	DRIVEN A CAR WITHOUT THE OW....	.48	.16 TO .58	.49
85.	STOLEN MONEY	.53	.16 TO .58	.55
86.	DRIVEN RECKLESSLY	.39	.16 TO .58	.45
87.	DAMAGED OTHER PEOPLE'S PROP....	.62	.16 TO .58	.61
88.	BEATEN UP ON SOMEONE	.64	.16 TO .58	.52
89.	RUN AWAY FROM HOME	.36	.16 TO .58	.40
90.	GOTTEN INTO A FIST FIGHT	.64	.16 TO .58	.52
91.	SKIPPED SCHOOL	.28	.16 TO .58	.42
92.	USED A WEAPON AGAINST SOMEO....	.49	.16 TO .58	.44

Table A.3--Factor Loadings, Range....(Continued).

SUICIDE	**SUICIDAL BEHAVIOR AND THOUGHTS(SUICIDE)**			
121.	I HAVE TRIED TO KILL MYSELF....	.44	.34 TO .65	.41
139.	I HAVE THOUGHT OF DIFFERENT....	.64	.34 TO .65	.62
143.	HAVE YOU EVERR THOUGHT OF K....	.75	.34 TO .65	.67
PHYSWBR	**PHYSICAL WELL BEING(PHYSWBR)**			
10.	I HAVE A GOOD APPETITE	.01	-.11 TO .32	.05
30.	IT IS UNUSUAL FOR ME TO HAV....	.40	-.11 TO .32	.25
42.	I SELDOM GET TIRED	.33	-.11 TO .32	.21
44.	I SELDOM HAVE AN UPSET STOM....	.51	-.11 TO .32	.35
94.	I HAVE NO PROBLEM SLEEPING	.31	-.11 TO .32	.27
97.	I FEEL HEALTHY MOST OF THE	.42	-.11 TO .32	.38
FAMILYC	**FAMILY CRISIS(FAMILYC)**			
158.	SERIOUS ILLNESS IS A PROBLE....	.53	.23 TO .37	.41
159.	DRINKING IS A SERIOUS PROBL....	.49	.23 TO .37	.46
160.	DIVORCE OR THE LIKELIHOOD O....	.53	.23 TO .37	.44
161.	MENTAL ILLNESS IS CAUSING P....	.64	.23 TO .37	.52
162.	THE DEATH OF A FAMILY MEMBE....	.52	.23 TO .37	.44
163.	YOU HAVE BEEN BEATEN SO BAD....	.54	.23 TO .37	.45
DEPRESS	**DEPRESSION(DEPRESS)**			
13.	AT TIMES, I FEEL I'M NOT WO....	.21	.19 TO .44	.42
38.	I AM BORED MOST OF THE TIME....	.40	.19 TO .44	.38
67.	I OFTEN FEEL LOW	.42	.19 TO .44	.46
107.	SOMETIMES I DON'T CARE WHAT....	.46	.19 TO .44	.49
110.	FEW PEOPLE CARE HOW I FEEL	.52	.19 TO .44	.43
113.	AT TIMES, I FEEL MY LIFE IS....	.50	.19 TO .44	.57
147.	UP TO NOW, MY LIFE HAS BEEN....	.43	.19 TO .44	.50
171.	I HAVE FREQUENTLY FELT UNLO....	.34	.19 TO .44	.51
AFFECTD	**AFFECT DEPRIVATION(AFFECTD)**			
11.	I WISH PEOPLE WOULD PAY MOR....	.44	.26 TO .46	.37
28.	I DESPERATELY NEED SOMEONE	.44	.26 TO .46	.44
31.	SOMETIMES I FEEL LIKE CRYIN....	.60	.26 TO .46	.52
33.	I NEED MORE AFFECTION FROM	.72	.26 TO .46	.59
109.	I NEED TO FIND SOMEONE WHO	.55	.26 TO .46	.49
RAGE	**RAGE(RAGE)**			
47.	I HAVE FELT SO MAD THAT I C....	.59	.22 TO .52	.52
49.	I GEY SO ANGRY, I CAN THINK....	.50	.22 TO .52	.47
125.	I HAVE HAD THE URGE TO KILL....	.42	.22 TO .52	.45
138.	AT TIMES, I FEEL LIKE EXPLO....	.47	.22 TO .52	.48
140.	I HAVE HAD THE URGE TO BEAT....	.67	.22 TO .52	.58
142.	I HAVE FELT LIKE SMASHING T....	.64	.22 TO .52	.62
SELFR	**SELF REGARD(SELFR)**			
78.	COMPARED TO OTHERS OF MY AG....	.61	.20 TO .52	.43
79.	LOOKS ARE	.67	.20 TO .52	.52
80.	PERSONALITY IS	.56	.20 TO .52	.47
81.	CLOTHES ARE	.49	.20 TO .52	.44
82.	PHYSICAL HEALTH IS	.34	.20 TO .52	.36
GUILT	**GUILT(GUILT)**			
46.	I AM ASHAMED OF SOME OF THE....	.49	.14 TO .35	.39
48.	I HAVE FELT GUILTY ABOUT GE....	.49	.14 TO .35	.37
122.	I FEEL BAD BECAUSE I BETRAY....	.46	.14 TO .35	.37
137.	I AM ASHAMED OF SOME OF MY	.56	.14 TO .35	.44
124.	I HAVE CAUSED OTHER PEOPLE	.37	.14 TO .35	.33
141.	I HAVE BEEN EMBARRASSED BY	.46	.14 TO .35	.42

FL=FACTOR LOADING 2-2=INTER-ITEM I-T=ITEM TOTAL

APPENDIX B

APPENDIX B

DESCRIPTIVE ANALYSIS

This presentation is intended to give the reader an idea of what the means, standard deviations, and correlations are for the populations under investigation. These tables then have a twofold purpose--one, a descriptive presentation for greater indepth study of the data, and two, the exact values for replication or further analytic processing by the reader.

Mean Differences and Standard Deviations

The following tables deal with the mean differences and standard deviations between sex, age, and level of sexual conformity. Presented with each table of means is the Wilks' Lambda U statistic (WLUS) which is similar to a oneway analysis of variance (Kerlinger and Pedhazur, 1973: 352-358).

Sex Differences

Table B.1 presents the means and standard deviations for males and females. The degrees of freedom for the WLUS are 1 and 1991. High F values indicate that significant differences exist between at least one pair of

means. The coding of variables is as follows: When DX is the prefix that means it is a dummy variable. For instance DX33 is the third answer to question number 3 and DX1752 is the second answer on variable 175. All questions are found in Appendix D. MX terms are interaction terms and can be found in the dictionary in Chapter 3.

Age

Table B.2a presents the means for all subjects on the primary variables. The degrees of freedom for the WLUS are 5 and 1987. Table B.2b presents the standard deviations.

Males by Age

Table B.3a presents the means for males with respect to age on the primary variables. The degrees of freedom for the WLUS are 5 and 921. Table B.3b presents the standard deviations.

Females by Age

Table B.4a presents the means for females with respect to age on the primary variables. The degrees of freedom are 5 and 1060. Table B.4b presents the standard deviations.

Five Levels of Sexual Behavior for All Subjects

Table B.5a presents the means for all subjects together with respect to the five levels of sexual conformity.

Level of Sexual Behavior	1 = Group 1 = No sexual activity 2 = Group 2 = Hugging and kissing 3 = Group 3 = Petting (light and/or heavy) 4 = Group 4 = Intercourse with one partner 5 = Group 5 = Intercourse with two or more partners

The degrees of freedom for the WLUS are 4 and 1998. Table B.5b presents the standard deviations.

Five Levels of Sexual Behavior for Males

Table B.6a presents the means for males with respect to the five levels of sexual conformity. The degrees of freedom for the WLUS are 4 and 992. Table B.6b presents the standard deviations.

Five Levels of Sexual Behavior for Females

Table B.7a presents the means for females with respect to the five levels of sexual conformity. The degrees of freedom for the WLUS are 4 and 1061. Table B.7b presents the standard deviations.

Pearson Correlations

The following correlation matrices are presented for all subjects, then for males and females separately.

All Subjects

The following matrix, Table B.8 was generated from a SPSS version 6.04 regression run. Number of subjects is 2111. This matrix is for the combined male and female groups. Variables preceded by a DX are dummy variables and those preceded by MX are interaction terms. Curvilinear terms are X1S and X5S to DELBEHS. Use of the dictionary in Chapter 3 and the actual questions in Appendix D will help to decode the variable names.

Males

The number of subjects in Table B.9 is 996. This matrix is for males age 12 to 17.

Females

The number of subjects in Table B.10 is 1115. This matrix is for females age 12 to 17.

Means and Standard Deviation

Table B.11 contains the means and standard deviations for the above matrices.

Table B.1--Means, Standard Deviations, and Wilks' Lambda for Males and Females.

GROUP COUNTS

	GROUP 1 MALE	GROUP 2 FEMALE	TOTAL
COUNT	927.0000	1066.0000	1993.0000

	MEANS GROUP 1 MALE	MEANS GROUP 2 FEMALE	MEANS TOTAL	STANDARD DEVIATIONS GROUP 1 MALE	STANDARD DEVIATIONS GROUP 2 FEMALE	STANDARD DEVIATIONS TOTAL	WILKS' LAMBDA	F
X1	3.7292	3.6492	3.6864	1.5445	1.5842	1.5660	.9993	1.2967
X3	2.4693	2.3865	2.4250	1.2975	1.3289	1.3147	.9990	1.9659
DX31	.2826	.3255	.3056	.4505	.4688	.4608	.9978	4.3021
DX32	.3115	.3124	.3121	.4635	.4637	.4635	1.0000	.0008
DX33	.1467	.1004	.1219	.3540	.3006	.3273	.9950	9.9826
DX34	.1715	.1735	.1726	.3772	.3789	.3780	1.0000	.0142
X4	1.2869	1.2270	1.2549	.4526	.4191	.4359	.9953	9.4115
DX41	.2805	.2692	.2745	.4495	.4438	.4464	.9998	.3145
DX42	.0065	.0066	.0065	.0802	.0808	.0805	1.0000	.0007
DX43	.4261	.4972	.4641	.4948	.5002	.4988	.9949	10.1132
DX44	.2869	.2270	.2549	.4526	.4191	.4359	.9953	9.4115
X5	2.1456	2.2786	2.2168	1.0512	1.1226	1.0918	.9963	7.3797
DX51	.3528	.3265	.3387	.4781	.4691	.4734	.9992	1.5305
DX52	.2718	.2505	.2604	.4452	.4335	.4390	.9994	1.1758
DX53	.2665	.2617	.2639	.4423	.4398	.4409	1.0000	.0569
DX54	.0949	.1407	.1194	.2933	.3479	.3244	.9950	9.9225
DX55	.0140	.0206	.0176	.1177	.1422	.1316	.9994	1.2567
X6	3.7691	3.8039	3.7878	1.1443	1.1416	1.1427	.9998	.4594
DX61	.0183	.0235	.0211	.1342	.1514	.1437	.9997	.6280
DX62	.1489	.1332	.1405	.3561	.3400	.3476	.9995	1.0063
DX63	.2395	.2280	.2333	.4270	.4197	.4230	.9998	.3680
DX64	.2319	.2467	.2398	.4223	.4313	.4271	.9997	.5941
DX65	.3614	.3587	.3653	.4807	.4827	.4816	.9999	.1134
X7	3.3743	3.4006	3.3884	1.1512	1.1844	1.1688	.9999	.2497
DX71	.0183	.0235	.0211	.1342	.1514	.1437	.9997	.6280
DX72	.2611	.2608	.2609	.4394	.4393	.4392	1.0000	.0002
DX73	.2772	.2570	.2664	.4479	.4372	.4422	.9995	1.0349
DX74	.2147	.2092	.2117	.4108	.4069	.4086	1.0000	.0891
DX75	.2287	.2495	.2398	.4202	.4329	.4271	.9994	1.1902
X8	3.5750	3.7927	3.6916	.8535	.5560	.7181	.9771	46.6167
DX81	.0194	.0235	.0216	.1381	.1514	.1453	.9998	.3920
DX82	.1834	.0019	.0863	.3672	.0433	.2809	.8961	230.9626
DX83	.0000	.1332	.0712	.0000	.3400	.2573	.9333	142.3161
DX84	.7972	.8415	.8209	.4023	.3024	.3546	.9967	6.6234
X76	2.2185	2.1529	2.2047	.8734	.9375	.8554	.9958	[illegible]
DX761	.2125	.1839	.1972	.4093	.3876	.3980	.9987	2.5714
DX762	.4315	.5704	.5058	.4956	.4953	.5001	.9808	38.9549
DX763	.2395	.1614	.1977	.4270	.3680	.3984	.9904	19.2483
DX764	.1079	.0779	.0918	.3104	.2681	.2889	.9973	5.3652
X175	3.1068	2.8415	2.9649	1.5132	1.5559	1.5415	.9926	14.7915
DX1751	.1165	.1792	.1495	.3210	.3829	.3567	.9925	14.9550
DX1752	.4175	.4587	.4395	.4934	.4985	.4965	.9983	3.4270
DX1753	.0378	.0141	.0251	.1907	.1178	.1564	.9943	11.4260
DX1754	.0992	.0413	.0682	.2992	.1990	.2522	.9869	26.5276
DX1755	.3290	.3077	.3176	.4701	.4618	.4657	.9995	1.0399
X176	3.3519	3.8114	3.6116	1.4353	1.1560	1.2955	.9726	56.0175
DX1761	.2060	.1041	.1515	.4047	.3056	.3587	.9799	40.8355
DX1762	.0561	.0310	.0426	.2302	.1733	.2021	.9961	7.6957
DX1763	.0820	.0619	.0712	.2745	.2411	.2573	.9985	3.0201
DX1764	.4617	.5553	.5118	.4986	.4972	.5000	.9913	17.5368
DX1765	.1942	.2477	.2228	.3956	.4319	.4162	.9959	8.2157
BONDING	3.5745	3.5969	3.5865	.5482	.5423	.5451	.9994	1.2895
FB	3.6862	3.6785	3.6320	.6470	.7092	.6817	.9998	.3734
PARCDC	3.3286	3.2762	3.3006	.8237	.9337	.8844	.9991	1.8357
PARACC	3.9156	3.9532	3.9357	.6554	.7151	.6887	.9991	1.7535
PARCONG	3.8144	3.8060	3.8099	.8748	.9755	.9298	.9999	.1733
CB	3.4628	3.5154	3.4909	.6102	.5872	.5985	.9979	4.2077
POLICEP	3.6625	3.7041	3.6847	.7570	.6922	.7379	.9991	1.7780
CHURCHP	3.3714	3.4335	3.4047	.9888	.9605	.9740	.9990	2.0890
MINSTRP	3.5663	3.5522	3.5588	.8465	.7617	.8021	.9999	.2748
SCHOOLP	2.9987	3.1357	3.0720	.8438	.8280	.8380	.9934	13.3260
TEACHRP	3.7152	3.7514	3.7346	.9371	.8491	.8911	.9995	.9634
RELGITY	3.6576	3.7764	3.7211	.9413	.8073	.8740	.9954	9.1935
AUTH	3.3988	3.3692	3.3830	.6960	.6664	.6803	.9994	1.1181
FAITH	3.0765	3.0605	3.0679	.5829	.5679	.5748	.9997	.6002
COLLO	3.5724	3.6366	3.6066	.7928	.7556	.7736	.9982	3.6083
CLASSES	3.6247	3.8989	3.7714	.9755	.8625	.9257	.9782	44.4660
NCBEH	1.9555	1.7509	1.8442	.7330	.5977	.6717	.9765	47.7012
DELSC	2.0102	1.8795	1.9403	.9293	.8848	.9079	.9949	10.3386
SMOKE	2.1147	2.0951	2.1042	1.0904	1.0648	1.0746	.9999	.1642
ALCOHOL	2.1179	1.8524	1.9759	1.1590	.9551	1.0679	.9846	31.1384
DRUGS	1.5139	1.3643	1.4339	.9133	.7440	.8302	.9919	16.2344
AVALD	2.5457	2.4277	2.4825	1.2119	1.2248	1.2200	.9977	4.6751
GENDEL	2.0224	1.5633	1.7768	.8303	.5256	.7215	.8992	223.1573
STRESS	2.2752	2.3036	2.2915	.4583	.4895	.4890	.9992	1.5649
PSTRESS	2.1056	2.1693	2.1399	.5695	.5652	.5680	.9968	6.4685
SUICIDE	1.5597	1.5405	1.5494	.8256	.7259	.7737	.9998	.3219
PHYSWHP	2.6515	2.7991	2.7374	.6509	.6991	.6810	.9882	23.6871
ESTRESS	2.4504	2.4374	2.4436	.5544	.5454	.5495	.9997	.5243
FAMILYC	1.5049	1.7461	1.4467	.8975	.7142	.8064	.9955	9.0724
DEPRESS	2.8963	2.9315	2.9161	.7324	.7626	.7342	.9995	1.0194
AFFECTD	2.7402	2.9486	2.8516	.8008	.8554	.8422	.9847	30.8643
RAGE	2.6597	2.4735	2.5601	.8489	.7063	.8109	.9868	26.5476
SELFR	3.4071	3.3525	3.3939	.5629	.5257	.5433	.9993	1.3577
GUILT	2.4431	2.4166	2.4644	.6018	.6131	.6136	.9988	2.3947
XSS	5.7077	6.4512	6.1054	5.1772	5.7330	5.4927	.9954	9.1234
BONDS	13.0772	13.2318	13.1596	3.6171	[illegible]	3.9106	.9995	.9439
STRES	5.4283	5.5459	5.4912	2.4080	2.4311	2.4205	.9994	1.2310
NCHEMS	4.3620	3.4226	3.8595	3.4408	2.4567	3.0049	.9757	49.6593
MXSS	4.9592	5.3272	5.1560	2.9878	3.0614	2.9551	.9962	7.5930
MX1XSGS	67.2140	74.3070	71.0553	49.0460	58.7615	54.4484	.9957	8.6800
MX1XSGD	61.5098	59.0475	60.1926	53.6263	51.2513	52.3663	.9994	1.1947
MXSD	4.6104	4.1526	4.3655	2.4454	2.0340	2.2471	.9896	20.8234
GRP1	3.0378	2.8452	2.9348	1.2469	1.0225	1.1342	.9929	14.3340
ZSB1	3.0465	2.9415	2.9903	1.0500	.9458	.9967	.9972	5.6194
ZSXABC1	3.1433	2.8534	2.9883	1.0332	.8826	.9916	.9787	43.3710
ZSXBEH1	3.1513	2.8417	2.9857	1.2205	.6721	.9787	.9750	50.9807

B.2a--Means and Wilks' Lambda for All Subjects by Age.

GROUP COUNTS

	GROUP 1 12 OR LESS	GROUP 2 13	GROUP 3 14	GROUP 4 15	GROUP 5 16	GROUP 6 17 OR MORE	TOTAL
COUNT	169.0000	364.0000	407.0000	376.0000	337.0000	340.0000	1993.0000

MEANS

	GROUP 1 12 OR LESS	GROUP 2 13	GROUP 3 14	GROUP 4 15	GROUP 5 16	GROUP 6 17 OR MORE	TOTAL	WILKS' LAMBDA F
X2	1.5799	1.5632	1.5061	1.5346	1.5223	1.5294	1.5349	.8304
X3	2.5444	2.5604	2.4054	2.3431	2.4006	2.3588	2.4250	1.5590
DX31	.2899	.2390	.3047	.3431	.3116	.3382	.3056	2.4186
DX32	.2722	.3434	.3170	.2979	.3234	.2971	.3121	.7742
DX33	.1243	.1209	.1327	.1144	.1128	.1265	.1219	.1961
DX34	.2308	.2115	.1597	.1622	.1573	.1441	.1726	2.2280
X4	1.2540	1.2527	1.2678	1.2686	1.2700	1.1971	1.2549	1.5793
DX41	.3195	.2610	.3022	.2447	.2344	.3059	.2745	1.9442
DX42	.0000	.0055	.0098	.0053	.0089	.0059	.0065	.4502
DX43	.3964	.4808	.4201	.4814	.4866	.4912	.4641	1.7666
DX44	.2540	.2527	.2678	.2686	.2700	.1971	.2549	1.5793
X5	1.4556	1.7088	2.1106	2.2686	2.5905	2.8382	2.2166	74.7310
DX51	.7633	.5797	.3661	.2420	.1751	.1059	.3387	90.6052
DX52	.0651	.2098	.2899	.3670	.2700	.2500	.2604	12.9499
DX53	.1243	.1374	.2187	.2793	.3739	.3971	.2639	21.8177
DX54	.0473	.0714	.1179	.1037	.1513	.1941	.1194	7.8316
DX55	.0000	.0027	.0074	.0080	.0297	.0529	.0176	8.0635
X6	3.7515	3.7967	3.7936	3.8138	3.8042	3.7441	3.7878	.1924
DX61	.0237	.0247	.0172	.0213	.0267	.0147	.0211	.3540
DX62	.1420	.1374	.1278	.1410	.1365	.1618	.1405	.3788
DX63	.2544	.2198	.2531	.2074	.2255	.2500	.2333	.7457
DX64	.2189	.2527	.2482	.2633	.2285	.2118	.2398	.7462
DX65	.3609	.3654	.3538	.3670	.3828	.3618	.3653	.1423
X7	3.4497	3.4011	3.4644	3.3457	3.3917	3.2971	3.3884	.9613
DX71	.0237	.0247	.0172	.0213	.0267	.0147	.0211	.3540
DX72	.2604	.2418	.2285	.3059	.2552	.2765	.2609	1.4673
DX73	.2485	.2775	.2629	.2314	.2730	.3000	.2664	.9851
DX74	.1775	.2198	.2555	.1888	.1899	.2147	.2117	1.6348
DX75	.2899	.2363	.2359	.2527	.2552	.1941	.2398	1.4129
X8	3.6805	3.6841	3.6953	3.7101	3.7240	3.6471	3.6914	.4667
DX81	.0237	.0247	.0172	.0213	.0267	.0176	.0216	.2486
DX82	.0828	.0769	.0983	.0798	.0712	.1059	.0863	.7992
DX83	.0828	.0379	.0565	.0665	.0534	.0882	.0712	1.2878
DX84	.8107	.8104	.8280	.8324	.8427	.7882	.8209	1.0208
X76	2.2544	2.2582	2.2973	2.1755	2.1810	2.0794	2.2067	2.7519
DX761	.1361	.1566	.1622	.2207	.2255	[illegible]	.1972	4.4589
DX762	.5858	.5440	[illegible]	.4973	.4748	.4853	.5058	[illegible]
DX763	.1834	.1896	.2408	.1782	.1988	.1824	.1977	[illegible]
DX764	.0769	.1044	.1057	.0931	.0950	.0647	.0918	1.0232
X175	3.0828	2.8379	3.0467	3.0160	2.9286	2.9235	2.9649	1.0897
DX1751	.1124	.1641	.1548	.1463	.1365	.1412	.1495	1.2000
DX1752	.4497	.4313	.4005	.4202	.4777	.4735	.4395	1.3708
DX1753	.0118	.0220	.0344	.0293	.0178	.0265	.0251	.7641
DX1754	.0947	.0379	.0639	.0796	.0564	.0392	.0682	2.1133
DX1755	.3314	.2747	.3464	.3245	.3116	.3206	.3176	.9892
X176	3.4615	3.6181	3.6560	3.5876	3.5697	3.6941	3.6116	.9225
DX1761	.2189	.1593	.1450	.1383	.1513	.1324	.1515	1.5546
DX1762	.0355	.0412	.0246	.0745	.0386	.0392	.0426	2.6315
DX1763	.0592	.0742	.0835	.0559	.0950	.0529	.0712	1.4569
DX1764	.4379	.4725	.5233	.5239	.5193	.5559	.5118	1.8233
DX1765	.2485	.2527	.2236	.2074	.1958	.2206	.2226	.8929
BONDING	3.6755	3.6647	3.5956	3.5419	3.5248	3.5592	3.5865	4.1544
FB	3.8184	3.7524	3.6846	3.6177	3.6224	3.6638	3.6820	3.4851
PARCDC	3.4394	3.3937	3.2784	3.2382	3.2571	3.2705	3.3006	2.3479
PARACC	4.0207	3.9139	3.9229	3.8946	3.9028	4.0102	3.9357	1.9259
PARCONG	3.9949	3.9495	3.8585	3.7204	3.7074	3.7108	3.8099	5.5994
CB	3.5325	3.5773	3.5047	3.4660	3.4271	3.4526	3.4909	3.0261
POLICEP	3.8201	3.7988	3.6983	3.6747	3.4064	3.5679	3.6647	5.5062
CHURCHP	3.4359	3.5870	3.4161	3.3692	3.3259	3.2975	3.4047	4.0133
MINSTRP	3.6351	3.6543	3.6069	3.5222	3.5005	3.4593	3.5586	3.2474
SCHOOLP	2.9852	3.1271	3.0915	3.0381	3.0472	3.0949	3.0720	.9535
TEACHRP	3.7864	3.7181	3.7107	3.7259	3.6555	3.8432	3.7346	1.7974
RELGITY	3.7522	3.8670	3.7097	3.6896	3.6898	3.6289	3.7211	3.0404
AUTH	3.4513	3.4927	3.4265	3.3950	3.2902	3.2580	3.3830	6.2806
FAITH	3.1178	3.1953	3.0844	3.0403	2.9931	2.9919	3.0679	6.5664
COLLO	3.7006	3.6413	3.5754	3.4933	3.5592	3.7332	3.6068	4.5465
CLASSES	3.9175	3.8854	3.7581	3.7306	3.6057	3.8009	3.7714	4.3965
NCBEH	1.6007	1.7186	1.8677	1.8841	1.9754	1.9093	1.8462	10.8455
DELSC	1.8935	2.0467	2.0295	1.9574	1.9377	1.7265	1.9403	5.7424
SMOKE	1.6662	1.9824	2.0979	2.1910	2.3259	2.1444	2.1042	10.2039
ALCOHOL	1.7690	1.7912	2.0229	1.9778	2.0425	2.1422	1.9759	5.3453
DRUGS	1.1276	1.1699	1.4084	1.4915	1.6223	1.6488	1.4339	21.4724
AVALD	1.5136	1.9587	2.3352	2.7362	2.9368	2.9707	2.4825	69.6694
GENDEL	1.5265	1.6031	1.7801	1.8026	1.9487	1.8845	1.7768	14.1574
STRESS	2.2325	2.2320	2.3291	2.2729	2.3286	2.2713	2.2918	1.7001
PSTRESS	2.0827	2.1176	2.1692	2.1172	2.1852	2.1376	2.1399	1.2407
SUICIDE	1.3964	1.5220	1.5913	1.5372	1.6231	1.5451	1.5494	2.2972
PHYSWAR	2.7689	2.7132	2.7470	2.6972	2.7472	2.7301	2.7304	.4675
ESTRESS	2.3524	2.4444	2.4891	2.4297	2.4721	2.4050	2.4436	1.6310
FAMILYC	1.4260	1.5156	1.4524	1.3957	1.5064	1.3737	1.4467	1.7911
DEPRESS	2.8530	2.9192	2.9662	2.9071	2.9355	2.8598	2.9161	.9069
AFFECTD	2.6607	2.7798	2.8934	2.8560	2.8720	2.9491	2.8516	3.4528
PAGE	2.5598	2.5709	2.6443	2.5556	2.5746	2.4384	2.5601	2.4873
SELFR	3.3935	3.3965	3.3893	3.3820	3.4001	3.4146	3.3939	.2665
GUILT	2.4795	2.4754	2.5074	2.4676	2.4553	2.4110	2.4664	.9292
MSS	2.8794	3.8626	5.5651	6.0824	7.7634	9.1098	6.1054	58.4214
BONDS	13.8177	13.7041	13.2399	12.8509	12.7498	12.9027	13.1548	4.1884
STRES	5.2118	5.4396	5.6645	5.4077	5.7081	5.3554	5.4912	1.7690
NCBEHS	2.7006	3.2618	3.9478	3.9919	4.4609	4.1420	3.8595	10.4339
MXSS	3.3344	3.9615	5.0302	5.2216	6.1401	6.4472	5.1560	49.8510
MX1X5HS	11.6081	28.1536	52.1289	71.2356	105.9699	135.2407	71.0558	470.7011
MX1X5AD	8.9768	22.4519	43.8176	60.6618	90.4250	115.1614	60.1926	312.4707
MXSD	3.7118	4.0394	4.4916	4.4229	4.7548	4.4395	4.3655	6.9697
GRP1	2.3609	2.6154	2.8157	3.0745	3.1751	3.3118	2.9348	28.7819
ZSB1	2.4179	2.6216	2.8571	3.0555	3.2673	3.4829	2.9903	50.2758
ZSXABC1	2.5014	2.7159	2.8707	3.0875	3.2103	3.3032	2.9683	25.3966
ZSXBEH1	2.7924	2.8341	2.9229	3.0159	3.1159	3.1572	2.9857	6.8876

B.2b--Standard Deviations for All Subjects by Age.

STANDARD DEVIATIONS

	GROUP 1 12 OR LESS	GROUP 2 13	GROUP 3 14	GROUP 4 15	GROUP 5 16	GROUP 6 17 OR MORE	TOTAL
X2	.4950	.4967	.5006	.4995	.5002	.4999	.4989
X3	1.3406	1.2896	1.3000	1.3173	1.3239	1.3284	1.3147
DX31	.4551	.4271	.4608	.4754	.4678	.4738	.4608
DX32	.4464	.4755	.4659	.4579	.4685	.4576	.4635
DX33	.3309	.3264	.3396	.3187	.3168	.3329	.3273
DX34	.4226	.4090	.3668	.3692	.3646	.3517	.3780
X4	.4523	.4352	.4434	.4436	.4446	.3984	.4359
DX41	.4677	.4398	.4598	.4305	.4243	.4615	.4464
DX42	.0000	.0740	.0988	.0726	.0941	.0766	.0805
DX43	.4906	.5003	.4942	.5003	.5006	.5007	.4986
DX44	.4523	.4352	.4434	.4436	.4446	.3984	.4359
X5	.8861	.9722	1.0552	.9687	1.0372	1.0278	1.0918
DX51	.4263	.4943	.4823	.4289	.3806	.3091	.4734
DX52	.2474	.4070	.4543	.4826	.4446	.4337	.4390
DX53	.3309	.3447	.4139	.4492	.4846	.4900	.4409
DX54	.2130	.2579	.3229	.3053	.3589	.3961	.3244
DX55	.0000	.0524	.0856	.0891	.1699	.2242	.1314
X6	1.1587	1.1497	1.1105	1.1396	1.1663	1.1531	1.1427
DX61	.1525	.1555	.1302	.1445	.1615	.1206	.1437
DX62	.3501	.3447	.3342	.3484	.3438	.3688	.3476
DX63	.4368	.4147	.4353	.4060	.4185	.4337	.4230
DX64	.4148	.4352	.4325	.4410	.4205	.4092	.4271
DX65	.4617	.4822	.4787	.4826	.4868	.4812	.4816
X7	1.2243	1.1612	1.1331	1.2144	1.1931	1.1144	1.1688
DX71	.1525	.1555	.1302	.1445	.1615	.1206	.1437
DX72	.4401	.4297	.4204	.4614	.4366	.4479	.4392
DX73	.4334	.4484	.4407	.4223	.4462	.4589	.4422
DX74	.3832	.4147	.4367	.3919	.3928	.4112	.4086
DX75	.4551	.4254	.4251	.4351	.4366	.3961	.4271
X8	.7268	.7209	.7161	.7031	.7099	.7400	.7181
DX81	.1525	.1555	.1302	.1445	.1615	.1319	.1453
DX82	.2765	.2668	.2981	.2713	.2576	.3081	.2809
DX83	.2765	.2836	.2312	.2495	.2252	.2841	.2573
DX84	.3930	.3925	.3778	.3740	.3589	.4092	.3836
X76	.8524	.8652	.8724	.9157	.9095	.8806	.8874
DX761	.3439	.3639	.3691	.4153	.4185	.4386	.3980
DX762	.4940	.4987	.5005	.5007	.5001	.5005	.5001
DX763	.3882	.3925	.4281	.3632	.3997	.3857	.3984
DX764	.2673	.3062	.3078	.2909	.2936	.2454	.2888
X175	1.5253	1.5279	1.5726	1.5457	1.5259	1.5362	1.5415
DX1751	.3166	.3331	.3622	.3539	.3438	.3487	.3567
DX1752	.4989	.4959	.4906	.4943	.5002	.5000	.4965
DX1753	.1085	.1468	.1325	.1687	.1324	.1608	.1564
DX1754	.2936	.2636	.2448	.2713	.2310	.1920	.2522
DX1755	.4721	.4470	.4764	.4686	.4638	.4674	.4657
X176	1.4039	1.3360	1.2632	1.2807	1.2785	1.2364	1.2955
DX1761	.4148	.3665	.3525	.3457	.3589	.3394	.3587
DX1762	[illegible]	.1990	.1550	.2629	[illegible]	.1920	.2021
DX1763	.2346	.2624	.2770	.2299	.2936	.2242	.2573
DX1764	.4976	.4999	.5001	.5001	.5004	.4976	.5000
DX1765	.4334	.4352	.4172	.4060	.3974	.4153	.4162
BONDING	.5573	.5242	.5587	.5539	.5717	.4927	.5451
FB	.6490	.6703	.6549	.6957	.7444	.6474	.6817
PARCDC	.9400	.8470	.8640	.9793	.9629	.8650	.8844
PARACC	.6717	.7118	.6826	.7036	.7095	.6345	.6887
PARCONG	.9578	.8863	.8820	.9715	.9535	.9151	.9298
CB	.6302	.5601	.6270	.6009	.6017	.5722	.5985
POLICEP	.7371	.6901	.7824	.7205	.7481	.7176	.7379
CHURCHP	1.0235	.9225	.9915	.9855	.9636	.9574	.9740
MINSTRP	.8610	.8273	.8141	.7851	.8060	.7283	.8021
SCHOOLP	.9253	.7899	.8750	.8655	.8263	.7759	.8380
TEACHRP	.9747	.8425	.9149	.8859	.9378	.8194	.8911
RELGITY	.8783	.7607	.8562	.8567	.9478	.9340	.8740
AUTH	.7086	.6430	.6747	.6660	.7036	.6778	.6803
FAITH	.5950	.5410	.5904	.5734	.5857	.5478	.5748
COLLO	.6689	.7289	.7352	.8063	.8225	.8058	.7736
CLASSES	.8700	.9570	.8924	.9442	.9057	.9335	.9257
NCBEH	.5480	.5558	.6786	.6656	.7485	.7100	.6717
DELSC	.9066	.9296	.9418	.8942	.9132	.8175	.9079
SMOKE	.8534	.9675	1.0203	1.1014	1.2160	1.1056	1.0766
ALCOHOL	1.0057	.9777	1.0866	1.0839	1.0662	1.1168	1.0679
DRUGS	.4743	.4853	.7510	.8236	.9797	1.0496	.8302
AVALD	.8703	1.0304	1.2076	1.1340	1.1379	1.1675	1.2200
GENDEL	.6280	.6072	.7817	.7234	.7619	.6911	.7216
STRESS	.4784	.4826	.4901	.4920	.5351	.4440	.4890
PSTRESS	.5364	.5365	.5791	.5762	.6172	.5407	.5680
SUICIDE	.7129	.7515	.8032	.7510	.8572	.7184	.7737
PHYSWER	.6706	.6677	.6658	.7044	.6818	.6937	.6810
ESTRESS	.5513	.5781	.5460	.5214	.5830	.4977	.5495
FAMILYC	.7084	.9126	.8165	.7276	.8755	.6785	.8064
DEPRESS	.7385	.7360	.7036	.6848	.7665	.7601	.7342
AFFECTD	.8694	.8813	.8486	.7666	.8597	.8144	.8422
RAGE	.9044	.7976	.8289	.8110	.8139	.7390	.8109
SELFP	.5611	.5516	.5448	.5214	.5363	.5473	.5433
GUILT	.6790	.6075	.6634	.6194	.6478	.6380	.6396
X5S	3.9591	4.4928	5.1586	4.9311	5.6197	6.0155	5.4927
BONDS	3.9648	3.7799	3.9058	3.7969	3.9313	3.4373	3.8106
STRES	2.3416	2.3908	2.4282	2.4450	2.6903	2.1541	2.4205
NCBEHS	2.2369	2.2733	3.0953	2.9355	3.4674	3.2642	3.0049
MX5S	2.4370	2.6134	2.9924	2.7565	3.1436	2.7099	2.9851
MX1X5ES	7.4162	17.7252	28.1363	33.2040	50.2939	54.1873	54.4484
MX1X5BD	7.9412	17.1561	30.3774	35.3671	51.4414	59.7521	52.7863
MX5D	2.0239	1.9225	2.2824	2.2813	2.5422	2.1853	2.2471
GRP1	1.0938	1.1308	1.1066	1.0856	1.1374	1.0290	1.1362
ZSP1	.8072	.9455	.9464	.9404	1.0533	.9713	.9967
ZSXABC1	.7891	.9871	.9326	1.0035	1.0498	1.0147	.9914
ZSXBEH1	.7696	.8311	.9477	.9740	1.0956	1.0885	.9787

B.3a--Means and Wilks' Lambda for Males by Age.

GROUP COUNTS

	GROUP 1 12 OR LESS	GROUP 2 13	GROUP 3 14	GROUP 4 15	GROUP 5 16	GROUP 6 17 OR MORE	TOTAL
COUNT	71.0000	159.0000	201.0000	175.0000	161.0000	160.0000	927.0000

MEANS

	GROUP 1 12 OR LESS	GROUP 2 13	GROUP 3 14	GROUP 4 15	GROUP 5 16	GROUP 6 17 OR MORE	TOTAL	WILKS' LAMBDA F
X2	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	.0000
X3	2.4507	2.5912	2.4527	2.4457	2.4969	2.3750	2.4693	.4939
DX31	.3380	.2013	.2935	.3200	.2609	.3062	.2826	1.6858
DX32	.2676	.3774	.3035	.2686	.3168	.3187	.3118	1.0943
DX33	.0845	.1509	.1393	.1486	.1739	.1500	.1467	.6532
DX34	.2254	.1698	.1841	.1714	.1615	.1437	.1715	.5294
X4	1.3380	1.3019	1.2687	1.3200	1.2857	1.2375	1.2869	.8494
DX41	.3944	.2704	.3234	.2286	.2236	.3000	.2805	2.3536
DX42	.0000	.0000	.0050	.0057	.0186	.0062	.0065	1.0568
DX43	.2676	.4277	.4030	.4457	.4720	.4562	.4261	2.0076
DX44	.3380	.3019	.2687	.3200	.2857	.2375	.2869	.8494
X5	1.4789	1.7044	2.1045	2.1714	2.3913	2.6563	2.1456	23.1858
DX51	.7465	.5786	.3731	.2686	.2236	.1500	.3528	30.0721
DX52	.0704	.2075	.2886	.3714	.3043	.2625	.2718	5.7062
DX53	.1408	.1509	.2090	.2857	.3478	.4063	.2665	8.6915
DX54	.0423	.0566	.1194	.0686	.1056	.1437	.0949	2.5135
DX55	.0000	.0063	.0100	.0057	.0186	.0375	.0140	1.8946
X6	3.6338	3.9505	3.7861	3.7829	3.7019	3.7500	3.7691	.6326
DX61	.0423	.0189	.0100	.0114	.0248	.0187	.0183	.7758
DX62	.1690	.1195	.1343	.1543	.1739	.1563	.1489	.5084
DX63	.2394	.2264	.2537	.2457	.2236	.2437	.2395	.1291
DX64	.2113	.2327	.2637	.2171	.2298	.2188	.2319	.3350
DX65	.3380	.4025	.3383	.3714	.3478	.3625	.3614	.3988
X7	3.3239	3.3836	3.4577	3.3600	3.3913	3.2813	3.3743	.4605
DX71	.0423	.0189	.0100	.0114	.0248	.0187	.0183	.7758
DX72	.2817	.2327	.2239	.3200	.2422	.2813	.2611	1.2090
DX73	.2394	.3333	.2786	.2057	.2981	.2937	.2772	1.6119
DX74	.1831	.1761	.2736	.2229	.1863	.2125	.2147	1.3629
DX75	.2535	.2390	.2139	.2400	.2484	.1937	.2287	.4347
X8	3.4789	3.5912	3.5821	3.6229	3.6273	3.4875	3.5750	.7607
DX81	.0423	.0189	.0100	.0114	.0248	.0250	.0194	.7964
DX82	.1972	.1761	.1940	.1714	.1491	.2188	.1834	.6117
DX83	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
DX84	.7606	.8050	.7960	.8171	.8261	.7562	.7972	.7126
X76	2.3239	2.3208	2.3134	2.3143	2.1801	2.1750	2.2686	.9167
DX761	.1690	.1509	.1841	.2229	.2609	.2687	.2125	2.1633
DX762	.4930	.4969	.4279	.3886	.4224	.4000	.4315	1.1777
DX763	.1972	.2390	.2786	.2514	.2050	.2312	.2395	.7255
DX764	.1268	.1069	.1095	.1257	.0994	.0875	.1079	.3303
X175	3.2254	2.8931	3.2239	3.1600	3.0683	3.1000	3.1065	1.0270
DX1751	.0986	.1698	.1294	.1029	.0683	.1187	.1165	1.7934
DX1752	.3944	.4025	.3632	.4114	.5155	.4187	.4175	1.8324
DX1753	.0141	.0314	.0398	.0514	.0248	.0500	.0378	.7165
DX1754	.1690	.1572	.0896	.0914	.0621	.0687	.0992	2.8912
DX1755	.3239	.2390	.3781	.3429	.3292	.3438	.3290	1.6740
X176	3.1268	3.3899	3.4527	3.4400	3.3106	3.4062	3.3819	.7225
DX1761	.3239	.2201	.1940	.1714	.2050	.1937	.2060	1.5699
DX1762	.0282	.0566	.0398	.0914	.0497	.0562	.0561	1.2615
DX1763	.0423	.1069	.0796	.0629	.1056	.0750	.0820	.9917
DX1764	.4085	.3459	.4925	.4743	.5093	.5000	.4617	2.5547
DX1765	.1972	.2704	.1940	.2000	.1304	.1750	.1942	2.1121
BONDING	3.7230	3.6792	3.6040	3.5155	3.5243	3.4836	3.5745	3.9472
FB	3.8650	3.8017	3.7122	3.6309	3.6175	3.5659	3.6862	3.5567
PARCDC	3.4624	3.4908	3.3624	3.2741	3.2607	3.1935	3.3286	2.9470
PARACC	4.0329	3.9256	3.9419	3.8381	3.9129	3.9079	3.9156	1.0423
PARCONG	4.0996	3.9238	3.8324	3.7505	3.6789	3.6652	3.8144	4.6482
CB	3.5610	3.5548	3.4958	3.4001	3.4311	3.3783	3.4629	2.4873
POLICEP	3.9599	3.8053	3.6624	3.6109	3.6062	3.5006	3.6625	4.8700
CHURCHP	3.4085	3.5995	3.4295	3.3267	3.3375	3.1385	3.3714	3.7980
MINSTRP	3.7629	3.6352	3.6426	3.5446	3.4907	3.4146	3.5663	2.6423
SCHOOLP	2.8873	3.0293	3.0423	2.8729	3.0367	3.0635	2.9987	1.4300
TEACHRP	3.8866	3.7044	3.7020	3.6453	3.6642	3.7744	3.7152	.8543
RELGITY	3.7782	3.9705	3.7157	3.5993	3.6172	3.4240	3.6576	4.2507
AUTH	3.5615	3.5577	3.4887	3.3495	3.2663	3.2429	3.3988	6.2373
FAITH	3.1136	3.2547	3.1010	3.0257	2.9803	3.0046	3.0765	4.8440
COLLO	3.6085	3.5764	3.5771	3.4303	3.5969	3.6775	3.5724	1.7697
CLASSES	3.8634	3.7453	3.7006	3.5146	3.4458	3.5950	3.6247	3.3259
NCBEH	1.6587	1.8156	1.9408	2.0477	2.0789	2.0216	1.9558	5.3591
DELSC	1.9085	2.1384	1.9950	2.1429	1.9752	1.8375	2.0102	2.6740
SMOKE	1.6408	1.9355	2.0896	2.2626	2.3297	2.1500	2.1147	5.6942
ALCOHOL	1.8873	1.8868	2.1410	2.1657	2.2112	2.2750	2.1179	2.6778
DRUGS	1.1521	1.2792	1.4667	1.5703	1.6919	1.7262	1.5119	7.7989
AVALD	1.6563	2.0126	2.3756	2.9006	2.8851	2.9541	2.5457	27.1019
GENDEL	1.7647	1.8379	2.0120	2.0913	2.1864	2.1195	2.0424	5.7764
STRESS	2.2326	2.3031	2.3039	2.2564	2.2911	2.2410	2.2752	.6957
PSTRESS	2.0704	2.1314	2.1439	2.0706	2.1220	2.0692	2.1056	.5981
SUICIDE	1.4296	1.6122	1.6318	1.4914	1.5901	1.5187	1.5597	1.1517
PHYSWUR	2.7113	2.6506	2.6560	2.6497	2.6540	2.6197	2.6515	.2081
ESTRESS	2.3948	2.4548	2.4733	2.4423	2.4602	2.4127	2.4505	.5165
FAMILYC	1.3568	1.6503	1.5240	1.4571	1.5631	1.7958	1.5049	1.9565
DEPRESS	2.9052	2.9140	2.9132	2.8535	2.9079	2.8675	2.8987	.1181
AFFECTD	2.6383	2.6491	2.7682	2.7200	2.7292	2.8741	2.7402	1.6256
RAGE	2.6789	2.7258	2.6898	2.7086	2.4407	2.5134	2.6597	1.3410
SELFR	3.3617	3.4280	3.4448	3.3543	3.3904	3.3900	3.4071	.3781
GUILT	2.4366	2.4834	2.4740	2.4516	2.4097	2.3917	2.4431	.4934
XSS	2.9718	3.3302	5.5672	5.5657	6.7267	8.0937	5.7077	17.7145
BONDS	14.1167	13.7032	13.2866	12.6645	12.7862	12.3761	13.0772	4.0767
STRES	5.2294	5.5666	5.5675	5.3310	5.5337	5.2046	5.4293	.7739
NCBEHS	3.1717	3.6719	4.3069	4.6684	5.0069	4.6407	4.3620	4.6246
MXSS	3.4160	4.0455	4.9574	4.9441	5.6108	5.8952	4.9592	13.1941
MX1X5BS	12.3121	28.7562	51.5535	67.0841	95.2350	121.4117	67.2140	178.0484
MX1X5BD	9.7504	23.7508	45.8046	63.0376	97.8928	113.5116	61.5098	112.[illegible]
MXSD	3.6681	4.3457	4.6244	4.7508	5.0026	4.6252	4.6104	2.5724
GRP1	2.3380	2.8050	2.9353	3.2400	3.2298	3.2937	3.0378	9.2818
ZSB1	2.4635	2.7625	2.9585	3.1285	3.2029	3.4424	3.0465	12.9608
ZSXABC1	2.6972	2.9598	3.0407	3.2659	3.3028	3.3581	3.1433	6.2433
ZSXBEH1	2.9296	3.0440	3.0539	3.1969	3.3000	3.2795	3.1513	1.8641

B.3b--Standard Deviations for Males by Age.

STANDARD DEVIATIONS

	GROUP 1 12 OR LESS	GROUP 2 13	GROUP 3 14	GROUP 4 15	GROUP 5 16	GROUP 6 17 OR MORE	TOTAL
X2	.0000	.0000	.0000	.0000	.0000	.0000	.0000
X3	1.3614	1.2540	1.2906	1.2374	1.2754	1.2775	1.2975
DX31	.4764	.4322	.4565	.4678	.4405	.4624	.4505
DX32	.4459	.4363	.4609	.4445	.4667	.4675	.4635
DX33	.2301	.3591	.3471	.3567	.3802	.3582	.3540
DX34	.4208	.3767	.3885	.3780	.3691	.3519	.3772
X4	.4764	.4605	.4444	.4676	.4532	.4269	.4526
DX41	.4922	.4456	.4689	.4211	.4180	.4597	.4405
DX42	.0000	.0000	.0705	.0756	.1356	.0791	.0802
DX43	.4459	.4963	.4917	.4985	.5008	.4996	.4948
DX44	.4764	.4605	.4444	.4676	.4532	.4269	.4526
X5	.8922	.9869	1.0696	.9244	1.0073	1.0221	1.0512
DX51	.4381	.4953	.4848	.4445	.4180	.3582	.4781
DX52	.2577	.4068	.4542	.4840	.4616	.4414	.4452
DX53	.3503	.3591	.4076	.4531	.4778	.4927	.4423
DX54	.2026	.2318	.3251	.2534	.3083	.3519	.2933
DX55	.0000	.0793	.0995	.0756	.1356	.1906	.1177
X6	1.2333	1.1271	1.0858	1.1390	1.1877	1.1601	1.1443
DX61	.3026	.1365	.0995	.1066	.1561	.1361	.1342
DX62	.3774	.3254	.3419	.3623	.3802	.3642	.3561
DX63	.4298	.4198	.4362	.4317	.4190	.4307	.4270
DX64	.4111	.4239	.4417	.4135	.4220	.4147	.4223
DX65	.4764	.4920	.4743	.4846	.4998	.4822	.4807
X7	1.2510	1.1607	1.0906	1.1946	1.1735	1.1281	1.1512
DX71	.2026	.1365	.0995	.1066	.1561	.1361	.1342
DX72	.4330	.4239	.4179	.4676	.4298	.4510	.4394
DX73	.4298	.4729	.4496	.4054	.4589	.4569	.4479
DX74	.3895	.3921	.4469	.4174	.3906	.4104	.4108
DX75	.4351	.4278	.4111	.4283	.4335	.3965	.4202
X8	.9541	.9435	.8334	.8063	.8278	.9179	.8535
DX81	.2026	.1365	.0995	.1066	.1561	.1566	.1381
DX82	.4007	.3921	.3964	.3780	.3593	.4147	.3872
DX83	.0000	.0000	.0000	.0000	.0000	.0000	.0000
DX84	.4298	.4374	.4040	.3877	.3802	.4307	.4023
X76	.9528	.8810	.8979	.9934	.9740	.9684	.9434
DX761	.3774	.3591	.3885	.4174	.4405	.4447	.4093
DX762	.5035	.5016	.4960	.4888	.4955	.4914	.4956
DX763	.4007	.4278	.4494	.4351	.4049	.4230	.4270
DX764	.3351	.3100	.3130	.3325	.3001	.2835	.3104
X175	1.4947	1.4523	1.5635	1.5077	1.4753	1.4304	1.5132
DX1751	.3002	.3767	.3364	.3046	.2551	.3245	.3210
DX1752	.4922	.4920	.4821	.4935	.5013	.4949	.4934
DX1753	.1187	.1751	.1960	.2215	.1561	.2196	.1907
DX1754	.3774	.3652	.2863	.2890	.2421	.2538	.2992
DX1755	.4711	.4278	.4861	.4760	.4714	.4765	.4701
X176	1.5940	1.4922	1.3744	1.3669	1.4474	1.3704	1.4053
DX1761	.4711	.4156	.3964	.3780	.4049	.3945	.4047
DX1762	.1666	.2318	.1960	.2890	.2190	.2311	.2302
DX1763	.2026	.3120	.2714	.2434	.3083	.2642	.2745
DX1764	.4950	.4772	.5012	.5008	.5015	.5016	.4988
DX1765	.4007	.4456	.3944	.4011	.3378	.3812	.3958
BONDING	.5096	.5250	.5471	.5543	.6046	.4921	.5462
FB	.5784	.6362	.6233	.6630	.7312	.5914	.6490
PARCDC	.8454	.7350	.7881	.8096	.9231	.8258	.8237
PARACC	.6449	.6722	.6489	.6887	.6729	.5930	.6554
PARCONG	.8527	.8091	.8628	.8871	.9421	.8291	.8748
CB	.6066	.5374	.6210	.6063	.6612	.5780	.6102
POLICEP	.7596	.7064	.8610	.7697	.7821	.7542	.7870
CHURCHP	1.0589	.9640	.9892	.9872	.9804	.9475	.9888
MINSTRP	.8732	.8317	.8351	.8183	.8989	.7519	.8465
SCHOOLP	.9581	.9000	.8450	.8593	.8490	.7859	.8478
TEACHRP	1.0034	.9765	.9697	.9226	1.0186	.8517	.9371
RELGITY	.9074	.7589	.8855	.9293	1.0297	1.0241	.9413
AUTH	.7164	.6165	.6881	.6625	.7466	.6989	.6960
FAITH	.6001	.5111	.6034	.5697	.6190	.5579	.5829
COLLO	.7238	.7732	.7653	.8232	.8183	.8056	.7928
CLASSES	.9454	1.0494	.9396	.9518	.9765	.9458	.9755
NCBEM	.6531	.6310	.7367	.6916	.8303	.7464	.7330
DELSC	.9611	.9695	.9421	.9063	.9267	.8805	.9293
SMOKE	.9198	.9891	1.0267	1.0878	1.2383	1.1004	1.0904
ALCOHOL	1.1140	1.0623	1.1858	1.2103	1.1467	1.1996	1.1690
DRUGS	.4646	.6545	.8548	.8654	1.0524	1.1492	.9133
AVALD	.9921	1.1011	1.2120	1.1539	1.1180	1.1207	1.2119
GENDEL	.7741	.7336	.8736	.8243	.8940	.7668	.8303
STRESS	.4994	.4905	.4877	.4908	.5349	.4290	.4885
PSTRESS	.5623	.5721	.5925	.5676	.5893	.5237	.5695
SUICIDE	.7760	.8614	.8521	.7529	.9054	.7641	.8256
PHYSWOR	.6519	.6374	.6999	.7269	.6137	.6125	.6509
ESTRESS	.5998	.5762	.5346	.5203	.6262	.4967	.5544
FAMILYC	.7629	1.1096	.8483	.8269	.9763	.7451	.8978
DEPRESS	.8180	.6332	.6673	.6277	.7685	.7178	.7026
AFFECTD	.9559	.7847	.8102	.6957	.8245	.8056	.8008
RAGE	1.0008	.8134	.8795	.8189	.8545	.7917	.8489
SELFR	.6600	.5663	.5562	.5724	.5369	.5620	.5629
GUILT	.9375	.6352	.7056	.6198	.6419	.6621	.6618
XSS	3.9351	4.6724	5.2775	4.4289	5.1829	5.6733	5.1772
BONDS	3.8154	3.7751	5.8325	3.7606	4.1483	5.3442	4.8171
STRES	2.0066	2.4546	2.3741	2.4250	2.6591	2.0594	2.4058
NCBEMS	2.9306	2.7021	3.5219	3.2003	4.0222	3.6256	3.4408
PXSS	2.5509	2.9327	2.9693	2.8878	3.1455	2.6362	2.8838
MIXSSS	8.4193	10.9766	29.7222	31.5716	47.7915	49.7608	49.0446
MIXSBD	9.0390	10.1931	33.1405	38.5949	53.2189	64.4926	53.6263
MXSD	2.4668	2.2052	2.4134	2.3202	2.9499	2.2002	2.4459
GRP1	1.2777	1.3287	1.2128	1.1088	1.2462	1.1688	1.2449
ZSE1	.9685	1.0348	1.0266	.9610	1.0772	1.0302	1.0500
ZSXABC1	.9534	1.0923	1.0319	1.0637	1.1314	1.0758	1.0832
ZSXBEM1	1.0012	1.1713	1.1452	1.2371	1.3795	1.2427	1.2205

B.4a--Means and Wilks' Lambda for Females by Age.

GROUP COUNTS

	GROUP 1 12 OR LESS	GROUP 2 13	GROUP 3 14	GROUP 4 15	GROUP 5 16	GROUP 6 17 OR MORE	TOTAL
COUNT	98.0000	205.0000	206.0000	201.0000	176.0000	180.0000	1066.0000

MEANS

	GROUP 1 12 OR LESS	GROUP 2 13	GROUP 3 14	GROUP 4 15	GROUP 5 16	GROUP 6 17 OR MORE	TOTAL	WILKS' LAMBDA F
X2	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000	.0000
X3	2.6122	2.5366	2.3592	2.2537	2.3125	2.3444	2.3665	1.6575
DX31	.2551	.2683	.3155	.3632	.3580	.3667	.3255	1.7938
DX32	.2755	.3171	.3301	.3234	.3295	.2778	.3124	.4565
DX33	.1531	.0976	.1262	.0846	.0568	.1056	.1004	1.7769
DX34	.2347	.2439	.1359	.1542	.1534	.1444	.1735	2.7695
X4	1.2449	1.2146	1.2670	1.2239	1.2557	1.1611	1.2270	1.5070
DX41	.2653	.2537	.2816	.2587	.2443	.3111	.2692	.5368
DX42	.0000	.0098	.0146	.0050	.0000	.0056	.0066	.8499
DX43	.4698	.5220	.4369	.5124	.5000	.5222	.4972	.8313
DX44	.2449	.2146	.2670	.2239	.2557	.1611	.2270	1.5070
X5	1.4388	1.7122	2.1165	2.3532	2.7727	3.0000	2.2786	55.3946
DX51	.7755	.5305	.3592	.2189	.1307	.0667	.3265	64.1206
DX52	.0612	.2098	.2913	.3632	.2386	.2389	.2505	7.4509
DX53	.1122	.1268	.2282	.2736	.3977	.3889	.2617	13.5151
DX54	.0510	.0529	.1165	.1343	.1932	.2389	.1407	6.4772
DX55	.0000	.0000	.0049	.0100	.0398	.0667	.0206	6.5955
X6	3.8367	3.7317	3.8010	3.8406	3.8977	3.7389	3.8039	.5759
DX61	.0102	.0293	.0243	.0299	.0284	.0111	.0235	.5593
DX62	.1224	.1512	.1214	.1294	.1023	.1667	.1332	.8294
DX63	.2653	.2146	.2524	.1741	.2273	.2556	.2280	1.1544
DX64	.2245	.2683	.2330	.3035	.2273	.2056	.2467	1.2938
DX65	.3776	.3366	.3689	.3632	.4148	.3611	.3687	.5218
X7	3.5408	3.4146	3.4709	3.3333	3.3920	3.3111	3.4006	.7616
DX71	.0102	.0293	.0243	.0299	.0284	.0111	.0235	.5593
DX72	.2449	.2488	.2330	.2935	.2670	.2722	.2608	.4748
DX73	.2551	.2341	.2476	.2537	.2500	.3056	.2570	.5957
DX74	.1735	.2537	.2379	.1592	.1932	.2167	.2092	1.5222
DX75	.3163	.2341	.2573	.2637	.2614	.1944	.2495	1.1346
X8	3.8265	3.7561	3.8058	3.7861	3.8125	3.7889	3.7927	.3242
DX81	.0102	.0293	.0243	.0299	.0284	.0111	.0235	.5593
DX82	.0000	.0000	.0049	.0000	.0000	.0056	.0019	.7094
DX83	.1429	.1561	.1117	.1244	.1023	.1667	.1332	1.0348
DX84	.8469	.8146	.8592	.8458	.8693	.8167	.8415	.6976
X76	2.2041	2.2098	2.2816	2.0547	2.1818	1.9944	2.1529	3.1875
DX761	.1122	.1610	.1408	.2189	.1932	.2500	.1829	2.7412
DX762	.6531	.5805	.5485	.5920	.5227	.5611	.5704	1.0591
DX763	.1735	.1512	.2039	.1144	.1977	.1389	.1614	1.6566
DX764	.0408	.1024	.1019	.0647	.0909	.0444	.0779	1.7950
X175	2.9796	2.7951	2.8738	2.8905	2.8011	2.7067	2.8415	[illegible]
DX1751	.1224	.1951	.1796	.1841	.1989	.1611	.1782	.6789
DX1752	.4698	.4537	.4369	.4279	.4432	.5222	.4587	.9314
DX1753	.0102	.0146	.0291	.0100	.0114	.0056	.0141	.9500
DX1754	.0408	.0341	.0388	.0697	.0511	.0111	.0413	1.7962
DX1755	.3367	.3024	.3155	.3085	.2955	.3000	.3077	.1290
X176	3.7041	3.7951	3.8544	3.7164	3.8068	3.9500	3.8114	1.0236
DX1761	.1429	.1122	.0971	.1095	.1023	.0778	.1041	.6454
DX1762	.0408	.0293	.0097	.0597	.0284	.0222	.0310	1.9001
DX1763	.0714	.0488	.0874	.0498	.0852	.0333	.0619	1.5530
DX1764	.4592	.5707	.5534	.5672	.5284	.6056	.5553	1.2680
DX1765	.2857	.2390	.2524	.2139	.2557	.2611	.2477	.4647
BONDING	3.6410	3.6542	3.5875	3.5646	3.5252	3.6245	3.5969	1.4942
FB	3.7846	3.7141	3.6615	3.6063	3.6270	3.7304	3.6785	1.3900
PARCDC	3.4228	3.3185	3.1964	3.2070	3.2538	3.3389	3.2762	1.2907
PARACC	4.0119	3.9049	3.9043	3.9439	3.8936	4.1011	3.9532	2.3351
PARCONG	3.9191	3.9190	3.8839	3.6080	3.7335	3.7513	3.8060	2.2131
CB	3.4974	3.5943	3.5134	3.5234	3.4235	3.5186	3.5154	1.6701
POLICEP	3.7189	3.7929	3.7333	3.7303	3.6065	3.6278	3.7041	1.9821
CHURCHP	3.4558	3.5772	3.4029	3.4063	3.3153	3.4389	3.4335	1.5475
MINSTRP	3.5425	3.6691	3.5720	3.5025	3.5095	3.4991	3.5522	1.4694
SCHOOLP	3.0561	3.2037	3.1396	3.1820	3.0568	3.1227	3.1357	.9118
TEACHRP	3.7138	3.7288	3.7192	3.7960	3.6293	3.9044	3.7514	2.1610
RELGITY	3.7334	3.8642	3.7038	3.7687	3.7562	3.8110	3.7764	.9657
AUTH	3.3714	3.4424	3.3657	3.4347	3.3121	3.2715	3.3692	1.9416
FAITH	3.1207	3.1493	3.0683	3.0531	3.0047	2.9806	3.0605	2.3253
COLLO	3.7673	3.4917	3.5738	3.5483	3.5247	3.7828	3.6366	3.8256
CLASSES	3.9422	3.9958	3.8141	3.9184	3.7519	3.9840	3.8989	2.3855
NCBEH	1.5586	1.6435	1.7964	1.7416	1.8808	1.8094	1.7509	5.7414
DELSC	1.8627	1.9756	2.0631	1.7960	1.9034	1.6278	1.8795	5.6774
SMOKE	1.6845	2.0187	2.1060	2.1235	2.3224	2.1394	2.0951	4.9135
ALCOHOL	1.7177	1.7171	1.9075	1.8143	1.9583	2.0241	1.8524	2.6504
DRUGS	1.1102	1.0351	1.3515	1.4229	1.5585	1.5800	1.3643	14.6246
AVALD	1.4102	1.7168	2.2758	2.5970	2.9841	2.9856	2.4277	43.9910
GENDEL	1.3980	1.4209	1.5538	1.5512	1.7312	1.6757	1.5633	10.6961
STRESS	2.2325	2.2617	2.3489	2.2873	2.3630	2.2983	2.3036	1.6435
PSTRESS	2.0916	2.1369	2.1939	2.1576	2.2429	2.1994	2.1695	1.6750
SUICIDE	1.3724	1.4520	1.5519	1.5771	1.6534	1.5685	1.5405	2.7002
PHYSWBR	2.8107	2.7517	2.8359	2.7386	2.9324	2.8283	2.7991	.6937
ESTRESS	2.3734	2.4166	2.5040	2.4166	2.4830	2.3981	2.4374	1.4599
FAMILYC	1.4762	1.4111	1.3525	1.3423	1.4545	1.3541	1.3961	.8887
DEPRESS	2.8670	2.9233	3.0179	2.9276	2.9607	2.8529	2.9315	1.1157
AFFECTD	2.6770	2.9312	3.0157	2.9744	3.0026	3.0139	2.9484	2.5373
RAGE	2.4735	2.4507	2.6000	2.4229	2.5142	2.3717	2.4735	2.0869
SELFR	3.4020	3.3544	3.2352	3.3784	3.4091	3.4364	3.3825	.9757
GUILT	2.5105	2.4491	2.5400	2.4814	2.4970	2.4291	2.4866	.7119
XSS	2.8469	3.8878	5.5631	6.5323	8.7500	10.0111	6.4512	43.8132
BONDS	13.6010	13.4273	13.1944	13.0134	12.7165	13.3709	13.2318	1.4725
STRES	5.1989	5.7411	5.7522	5.4765	5.8676	5.4693	5.5459	1.6987
NCBEHS	2.6352	2.9282	3.5975	3.4024	3.9615	3.7100	3.4226	[illegible]
MXSS	3.2752	3.9764	5.1013	5.4671	6.6059	6.9304	5.3272	[illegible]
MX1X5ES	11.2340	27.4362	52.6905	74.9485	114.0647	147.5334	74.3970	[illegible]
MX1X5BD	9.4505	21.4444	41.9768	58.5974	92.7433	116.6317	59.0475	[illegible]
MXSD	3.5640	3.7996	4.3621	4.1373	4.5281	4.2744	4.1526	[illegible]
GRP1	2.3776	2.4693	2.6990	2.9303	3.1250	3.3278	2.8652	[illegible]
ZSH1	2.3704	2.5120	2.7582	2.9919	3.3263	3.5189	2.9415	43.8727
ZSXABC1	2.4630	2.5267	2.7048	2.9321	3.1257	3.2543	2.8534	24.0816
ZSXBEH1	2.6930	2.6712	2.7950	2.8584	2.9474	3.0485	2.8417	8.3970

B.4b--Standard Deviations for Females by Age.

STANDARD DEVIATIONS

	GROUP 1 12 OR LESS	GROUP 2 13	GROUP 3 14	GROUP 4 15	GROUP 5 16	GROUP 6 17 OR MORE	TOTAL
X2	.0000	.0000	.0000	.0000	.0000	.0000	.0000
X3	1.3132	1.3117	1.3016	1.2963	1.3645	1.3755	1.3289
DX31	.4382	.4442	.4659	.4821	.4808	.4832	.4688
DX32	.4491	.4665	.4714	.4689	.4714	.4492	.4637
DX33	.3619	.2974	.3329	.2784	.2322	.3091	.3006
DX34	.4260	.4305	.3435	.3621	.3614	.3525	.3789
X4	.4322	.4116	.4435	.4179	.4375	.3687	.4191
DX41	.4438	.4362	.4509	.4390	.4309	.4662	.4438
DX42	.0000	.0985	.1201	.0705	.0000	.0745	.0608
DX43	.5025	.5007	.4972	.5011	.5014	.5009	.5002
DX44	.4322	.4116	.4435	.4179	.4375	.3687	.4191
X5	.8659	.9802	1.0435	.9996	1.0335	1.0093	1.1226
DX51	.4194	.4947	.4809	.4145	.3380	.2501	.4691
DX52	.2410	.4081	.4555	.4621	.4275	.4276	.4335
DX53	.3173	.3336	.4207	.4469	.4908	.4899	.4398
DX54	.2212	.2764	.3216	.3419	.3959	.4276	.3479
DX55	.0000	.0000	.0697	.0995	.1960	.2501	.1422
X6	1.1301	1.1637	1.1366	1.1422	1.1418	1.1500	1.1416
DX61	.1010	.1690	.1543	.1706	.1666	.1051	.1514
DX62	.3295	.3591	.3273	.3364	.3039	.3737	.3400
DX63	.4438	.4116	.4355	.3802	.4203	.4374	.4197
DX64	.4194	.4442	.4239	.4609	.4203	.4052	.4313
DX65	.4873	.4737	.4837	.4821	.4941	.4817	.4827
X7	1.2028	1.1794	1.1756	1.2342	1.2141	1.1050	1.1844
DX71	.1010	.1690	.1543	.1706	.1666	.1051	.1514
DX72	.4322	.4334	.4238	.4565	.4437	.4463	.4393
DX73	.4382	.4245	.4327	.4362	.4342	.4619	.4372
DX74	.3806	.4362	.4263	.3666	.3959	.4131	.4069
DX75	.4674	.4245	.4382	.4417	.4406	.3969	.4329
X8	.4547	.6015	.5598	.5906	.5698	.4957	.5560
DX81	.1010	.1690	.1543	.1706	.1666	.1051	.1514
DX82	.0000	.0000	.0697	.0000	.0000	.0745	.0433
DX83	.3517	.3639	.3157	.3309	.3039	.3737	.3400
DX84	.3619	.3395	.3486	.3621	.3380	.3850	.3654
X76	.7727	.9517	.8487	.8256	.8491	.7875	.8325
DX761	.3173	.3684	.3486	.4145	.3959	.4342	.3876
DX762	.4784	.4947	.4989	.4927	.5009	.4976	.4953
DX763	.3806	.3591	.4039	.3191	.3959	.3468	.3680
DX764	.1989	.3040	.3033	.2466	.2883	.2067	.2681
X175	1.5464	1.5646	1.5560	1.5710	1.5640	1.5285	1.5559
DX1751	.3295	.3973	.3848	.3885	.4003	.3687	.3629
DX1752	.5025	.4991	.4972	.4960	.4982	.5009	.4985
DX1753	.1010	.1204	.1686	.0995	.1063	.0745	.1178
DX1754	.1989	.1820	.1937	.2556	.2209	.1051	.1990
DX1755	[illegible]	[illegible]	.4659	.4470	.4575	.4595	.4618
X176	1.3177	1.1745	1.1123	1.1892	1.1599	1.0425	1.1560
DX1761	.3517	.3164	.2968	.3130	.3039	.2656	.3056
DX1762	.1989	.1690	.0983	.2375	.1666	.1478	.1733
DX1763	.2599	.2159	.2831	.2180	.2800	.1800	.2411
DX1764	.5009	.4962	.4984	.4967	.5006	.4991	.4972
DX1765	.4541	.4275	.4355	.4111	.4375	.4405	.4319
BONDING	.5896	.5246	.5710	.5539	.5394	.4850	.5423
FB	.6967	.6947	.6850	.7245	.7584	.6882	.7092
PARCDC	.8401	.9193	.9266	.9367	1.0005	.9314	.9337
PARACC	.6937	.7425	.7151	.7148	.7431	.6576	.7161
PARCONE	1.0249	.9426	.9017	1.0387	.9657	.9866	.9755
CB	.6475	.5388	.6341	.5916	.5650	.5604	.5872
POLICEP	.7078	.6798	.6975	.6717	.7178	.6801	.6922
CHURCHP	1.0022	.8912	.9959	.9850	.9508	.9464	.9605
MINSTRP	.8445	.7755	.7935	.7565	.7129	.7063	.7617
SCHOOLP	.8754	.7753	.9027	.8469	.8073	.7680	.8280
TEACHRP	.9519	.9171	.9604	.8486	.8594	.7869	.8491
RELGITY	.8607	.7317	.8287	.7820	.8638	.8059	.8073
AUTH	.6957	.6599	.6575	.6681	.6633	.6601	.6664
FAITH	.5944	.5600	.5795	.5778	.5550	.5399	.5679
COLLO	.6214	.6904	.7064	.7893	.8272	.8050	.7556
CLASSES	.8150	.8656	.8424	.8985	.8113	.9855	.8605
NCBEH	.4562	.4778	.6100	.6092	.6531	.6623	.5977
DELSC	.8699	.9099	.9427	.8533	.9019	.7458	.8846
SMOKE	.8062	.9520	1.0164	1.1114	1.1988	1.1133	1.0648
ALCOHOL	.9186	.8839	.9692	.9332	.9645	1.0257	.9551
DRUGS	.4685	.2640	.6561	.7811	.9066	.9505	.7440
AVALD	.7589	1.0649	1.2050	1.0993	1.1570	1.2106	1.2248
GENDEL	.4590	.4037	.6013	.5037	.5332	.5376	.5256
STRESS	.4659	.4763	.4929	.4939	.5345	.4565	.4895
PSTRESS	.5196	.5093	.5660	.5817	.6379	.5497	.5652
SUICIDE	.6666	.6472	.7524	.7489	.8121	.6756	.7259
PHYSWOR	.6763	.6949	.6512	.6533	.7300	.7467	.6991
ESTRESS	.5712	.5791	.5575	.5234	.5420	.4998	.5454
FAMILYC	.5066	.7107	.7300	.6262	.7712	.6147	.7142
DEPRESS	.7703	.7593	.7353	.7319	.7661	.7977	.7606
AFFECTD	.8426	.9398	.8692	.8069	.8728	.8187	.8654
PAGE	.8221	.7658	.7742	.7821	.7724	.6842	.7663
SELFR	.5543	.5390	.5291	.4740	.5370	.5344	.5257
GUILT	.6353	.5832	.6194	.6211	.6522	.6171	.6191
XSS	3.9958	4.5193	5.0532	5.1245	5.9403	6.1807	5.7330
BONDS	4.0753	3.7911	3.9849	3.8302	3.7333	3.4603	3.8052
STRES	2.2276	2.3232	2.4320	2.4663	2.7163	2.2320	2.4311
NCBEHS	1.6546	1.8125	2.5749	2.5489	2.7870	2.8451	2.4867
MXSS	2.3427	2.4349	3.0199	2.2872	3.0775	2.8492	3.0614
MX1XSBS	6.6039	16.7227	28.5903	34.2194	50.9699	55.9105	58.5615
MX1XSBD	7.0397	16.2803	27.3569	32.2492	49.7990	55.3396	51.2813
MXSD	1.6100	1.6376	2.1442	2.2133	2.0842	2.1647	2.0360
GRP1	.9252	.9263	.9811	1.0465	1.0289	.8896	1.0225
ZSB1	.6465	.6502	.8518	.9197	1.0306	.9171	.9455
ZSXABC1	.6318	.6274	.7923	.9226	.9647	.9575	.8626
ZSXGEH1	.5279	.3250	.6825	.6276	.7106	.9203	.6721

B.5a--Means and Wilks' Lambda for All Subjects by the Five Levels of Sexual Activity.

GROUP COUNTS

	GROUP 1	GROUP 2	GROUP 3	GROUP 4	GROUP 5	TOTAL
COUNT	194.0000	515.0000	769.0000	257.0000	258.0000	1993.0000

MEANS

	GROUP 1	GROUP 2	GROUP 3	GROUP 4	GROUP 5	TOTAL	WILKS' LAMBDA	F
X1	2.9072	3.1495	3.9636	4.0700	4.1357	3.6364	.9150	46.1678
X2	1.4645	1.5495	1.6112	1.5136	1.3372	1.5349	.9692	15.7993
X3	2.5103	2.4427	2.5579	2.2064	2.1473	2.4250	.9862	6.9299
DX31	.2474	.2738	.2835	.3891	.3953	.3056	.9872	6.4573
DX32	.3402	.3417	.2952	.2879	.3062	.3121	.9977	1.1466
DX33	.1134	.1262	.1170	.1245	.1318	.1219	.9997	.1602
DX34	.2526	.1945	.1386	.1245	.0891	.1726	.9863	6.9051
X4	1.2784	1.2272	1.2107	1.2916	1.3876	1.2549	.9818	9.2289
DX41	.2577	.3010	.2692	.2763	.2481	.2745	.9984	.7755
DX42	.0052	.0058	.0026	.0156	.0116	.0055	.9969	1.5508
DX43	.4588	.4660	.5176	.4163	.3527	.4641	.9879	6.0814
DX44	.2784	.2272	.2107	.2918	.3876	.2549	.9818	9.2289
X5	1.0979	1.4913	2.5657	2.8560	2.8295	2.2168	.6591	257.0528
DX51	.9227	.6175	.1456	.1401	.1163	.3387	.6466	271.6210
DX52	.0619	.2913	.3212	.2140	.2132	.2604	.9685	16.1990
DX53	.0103	.0738	.3680	.3385	.4496	.2639	.8715	73.2842
DX54	.0052	.0175	.1521	.2646	.1667	.1194	.9299	37.4919
DX55	.0000	.0000	.0130	.0428	.0543	.0176	.9783	11.0201
X6	3.6598	3.6757	3.8322	3.9339	3.8295	3.7878	.9934	3.2881
DX61	.0361	.0136	.0195	.0195	.0310	.0211	.9976	1.2184
DX62	.1598	.1748	.1261	.0973	.1434	.1405	.9945	2.7359
DX63	.2474	.2505	.2328	.2335	.1899	.2333	.9981	.9448
DX64	.2216	.2447	.2458	.2296	.2364	.2398	.9996	.1824
DX65	.3351	.3165	.3758	.4202	.3992	.3653	.9945	2.7701
X7	3.0876	3.2583	3.4720	3.5058	3.5078	3.3884	.9857	7.2020
DX71	.0361	.0136	.0195	.0195	.0310	.0211	.9976	1.2184
DX72	.3454	.3029	.2380	.2412	.2016	.2609	.9904	4.8382
DX73	.2680	.2913	.2614	.2140	.2829	.2664	.9971	1.4259
DX74	.1959	.1961	.2133	.2646	.1977	.2117	.9972	1.4163
DX75	.1546	.1961	.2679	.2607	.2868	.2398	.9899	5.0833
X8	3.6495	3.6757	3.7347	3.6848	3.6318	3.6914	.9972	1.3771
DX81	.0412	.0155	.0195	.0156	.0310	.0216	.9969	1.5324
DX82	.0825	.0990	.0637	.0973	.1202	.0863	.9949	2.5591
DX83	.0619	.0796	.0793	.0739	.0349	.0712	.9966	1.6876
DX84	.8144	.8058	.8375	.8132	.8140	.8209	.9988	.6170
X76	1.9691	2.0097	2.1691	2.4475	2.6512	2.2007	.9375	33.0768
DX761	.2784	.2291	.1782	.1401	.1860	.1972	.9906	4.6943
DX762	.5567	.5325	.5553	.4356	.2364	.5058	.9490	26.6958
DX763	.0928	.1398	.1912	.2685	.3411	.1977	.9665	17.0529
DX764	.0619	.0466	.0702	.1479	.2132	.0918	.9627	19.2360
X175	3.2784	3.2311	2.8817	2.4864	2.9225	2.9649	.9746	12.9477
DX1751	.0309	.0816	.1391	.3191	.2364	.1495	.9427	30.2194
DX1752	.4742	.4447	.4941	.3696	.3101	.4395	.9835	8.3577
DX1753	.0309	.0175	.0195	.0389	.0388	.0251	.9968	1.6136
DX1754	.1134	.0738	.0403	.0506	.1240	.0682	.9850	7.5431
DX1755	.3505	.3825	.3069	.2218	.2907	.3176	.9884	5.8350
X176	3.0206	3.5027	3.7763	3.8405	3.5426	3.6116	.9675	16.7112
DX1761	.3299	.1903	.1053	.0700	.1589	.1515	.9598	20.8311
DX1762	.0567	.0330	.0377	.0428	.0659	.0426	.9970	1.4965
DX1763	.0361	.0621	.0728	.1012	.0814	.0712	.9959	2.0479
DX1764	.4175	.5068	.5436	.5486	.4612	.5118	.9929	3.5393
DX1765	.1598	.2075	.2406	.2374	.2326	.2228	.9965	1.7465
BONDING	3.8081	3.7649	3.5737	3.4417	3.2462	3.5865	.8961	57.6401
FB	3.8998	3.8341	3.6683	3.5422	3.3950	3.6820	.9464	27.0227
PARCDC	3.5950	3.4916	3.2714	3.0646	3.0200	3.3006	.9544	23.7254
PARACC	4.1152	4.0322	3.9398	3.8018	3.6323	3.9357	.9515	25.3506
PARCONG	3.9691	3.9285	3.7948	3.7602	3.5326	3.8099	.9801	10.0971
CB	3.7164	3.6956	3.4791	3.3412	3.0973	3.4909	.8914	60.5459
POLICEP	4.0338	3.8981	3.6319	3.4994	3.3398	3.6847	.9179	44.4717
CHURCHP	3.6538	3.6460	3.3384	3.2815	2.8844	3.4067	.9369	33.4454
MINSTRP	3.6718	3.7000	3.5464	3.4677	3.2997	3.5588	.9753	12.5619
SCHOOLP	3.1624	3.2613	3.1214	2.8781	2.6722	3.0720	.9479	27.2962
TEACHRP	4.0304	3.9728	3.7076	3.5593	3.2917	3.7346	.9333	35.5004
RELGITY	3.9130	3.8703	3.7083	3.6240	3.4138	3.7211	.9701	15.3271
AUTH	3.7114	3.5799	3.3132	3.2258	3.1072	3.3830	.9233	41.3017
FAITH	3.1426	3.1383	3.0609	2.9601	3.0000	3.0679	.9879	6.0832
COLLO	3.7517	3.7471	3.7081	3.4220	3.1149	3.6068	.9225	41.7620
CLASSES	3.9287	3.9704	3.7996	3.6380	3.3039	3.7714	.9492	26.6083
NCBEH	1.3405	1.4465	1.8677	2.1977	2.6096	1.8462	.6503	267.2437
DELSC	1.6985	1.8155	1.8966	2.0856	2.3566	1.9403	.9566	22.4522
SMOKE	1.3651	1.5110	2.2042	2.6344	3.0184	2.1042	.7476	167.7939
ALCOHOL	1.3024	1.4712	2.0581	2.3691	2.8333	1.9759	.7984	125.4874
DRUGS	1.0443	1.0435	1.4049	1.8045	2.2274	1.4339	.7781	141.7427
AVALD	1.5492	1.8343	2.6651	3.0788	3.2407	2.4825	.7913	131.0628
GENDFL	1.2923	1.3229	1.7749	2.0751	2.6144	1.7768	.6854	228.0898
STRESS	2.1406	2.1713	2.2750	2.4140	2.5737	2.2918	.9232	41.3726
PSTRESS	2.0180	2.0216	2.1179	2.2384	2.4350	2.1399	.9447	29.0682
SUICIDE	1.3694	1.3476	1.5243	1.7237	1.9890	1.5494	.9244	38.3553
PHYSWFR	2.6665	2.6957	2.7114	2.7541	2.8610	2.7304	.9916	4.2199
ESTRESS	2.2032	2.3209	2.4321	2.5902	2.7125	2.4436	.9361	33.9291
FAMILYC	1.3471	1.3122	1.3546	1.6101	1.8127	1.4467	.9571	22.3003
DEPRESS	2.8060	2.9130	2.9217	3.0087	3.0956	2.9161	.9829	8.6514
AFFECTD	2.5643	2.7550	2.9149	2.9396	2.9690	2.8516	.9806	9.8237
RAGE	2.3155	2.4035	2.5073	2.9025	2.9727	2.5601	.9347	34.7057
SELFR	3.2108	3.3082	3.4664	3.4979	3.7871	3.3939	.9706	15.0479
GUILT	2.3708	2.4159	2.4768	2.5086	2.5661	2.4664	.9923	3.8469
XSS	1.3454	2.7262	7.5020	9.3443	9.0388	6.1054	.7222	191.1811
BONDS	14.7515	14.3972	13.0355	12.1656	10.8379	13.1598	.8986	56.1096
STRES	4.8160	4.8359	5.3787	6.1103	6.9242	5.4912	.9216	42.2871
NCBEHS	1.9352	2.2136	3.8072	5.2593	7.3537	3.8505	.6792	234.7056
MXSS	2.3597	3.2440	5.6432	6.9576	7.2901	5.1540	.6777	236.3222
MX1XSGS	25.9584	40.4171	84.2113	99.4047	98.6575	71.0558	.7606	156.4142
MX1XSBD	16.9897	26.9795	69.0070	91.7492	101.2708	60.1926	.6925	220.7402
MXSG	2.9490	3.1897	4.3236	5.4194	6.8531	4.3655	.7033	209.7124
ZSF1	1.7404	2.1062	3.1027	3.9465	4.4078	2.9903	.2577	1431.2842
ZSXARC1	2.1285	2.1907	2.7174	3.9961	5.0305	2.9883	.0476	9944.3400
ZSXBEH1	2.5970	2.5974	2.6487	3.0676	4.9565	2.9857	.3715	840.8899

B.5b--Standard Deviations for All Subjects by the Five Levels of Sexual Activity

STANDARD DEVIATIONS

	GROUP 1	GROUP 2	GROUP 3	GROUP 4	GROUP 5	TOTAL
X1	1.5001	1.4826	1.5211	1.4774	1.4896	1.5660
X2	.5011	.4980	.4878	.5006	.4737	.4999
X3	1.2394	1.2585	1.3739	1.2810	1.2513	1.3147
DX31	.4328	.4463	.4510	.4895	.4899	.4608
DX32	.4750	.4748	.4564	.4537	.4618	.4635
DX33	.3179	.3326	.3217	.3306	.3389	.3273
DX34	.4358	.3882	.3914	.3306	.2655	.3790
X4	.4493	.4194	.4080	.4555	.4881	.4359
DX41	.4385	.4591	.4438	.4480	.4327	.4444
DX42	.0718	.0762	.0510	.1240	.1074	.0805
DX43	.4998	.4993	.5000	.4934	.4787	.4988
DX44	.4493	.4194	.4080	.4555	.4881	.4359
X5	.3750	.7095	.9594	1.0927	1.0183	1.0918
DX51	.2673	.4365	.3530	.3477	.3212	.4734
DX52	.2415	.4548	.4672	.4109	.4103	.4390
DX53	.1013	.2617	.4826	.4741	.4984	.4409
DX54	.0718	.1312	.3594	.4420	.3734	.3244
DX55	.0000	.0000	.1134	.2026	.2270	.1314
X6	1.1992	1.1339	1.1235	1.1037	1.1909	1.1427
DX61	.1870	.1159	.1384	.1384	.1737	.1437
DX62	.3674	.3901	.3322	.2969	.3512	.3476
DX63	.4328	.4337	.4229	.4239	.3930	.4230
DX64	.4164	.4303	.4308	.4214	.4257	.4271
DX65	.4732	.4656	.4846	.4946	.4907	.4816
X7	1.1416	1.1286	1.1746	1.1730	1.1909	1.1688
DX71	.1870	.1159	.1384	.1384	.1737	.1437
DX72	.4767	.4600	.4261	.4287	.4019	.4392
DX73	.4441	.4548	.4397	.4109	.4513	.4422
DX74	.3979	.3974	.4099	.4420	.3990	.4086
DX75	.3625	.3974	.4431	.4399	.4532	.4271
X8	.8021	.7151	.6633	.7112	.8134	.7181
DX81	.1994	.1238	.1384	.1240	.1737	.1453
DX82	.2758	.2990	.2444	.2969	.3258	.2809
DX83	.2415	.2710	.2704	.2622	.1838	.2573
DX84	.3695	.3959	.3692	.3905	.3899	.3836
X76	.2450	.7575	.8151	.9345	1.0815	.8874
DX761	.4493	.4207	.3829	.3477	.3899	.3980
DX762	.4981	.4936	.4973	.4966	.4257	.5001
DX763	.2909	.3471	.3935	.4440	.4750	.3984
DX764	.2415	.2110	.2557	.3557	.4103	.2888
X175	1.4305	1.5251	1.5191	1.5261	1.5958	1.5415
DX1751	.1736	.2739	.3463	.4670	.4257	.3567
DX1752	.5006	.4974	.5003	[illegible]	.4634	.4965
DX1753	[illegible]	.1312	.1384	.1938	.1934	.1564
DX1754	.3179	.2617	.1968	.2196	.3303	.2522
DX1755	.478-	.4865	.4615	.4163	.4550	.4657
X176	1.5637	1.3700	1.1679	1.0578	1.3437	1.2955
DX1761	.471-	.3929	.3072	.2557	.3663	.3587
DX1762	.2319	.1798	.1906	.2026	.2486	.2021
DX1763	.1575	.2416	.2600	.3021	.2740	.2573
DX1764	.4944	.5004	.4984	.4986	.4995	.5000
DX1765	.3674	.4061	.4277	.4263	.4233	.4162
BONDING	.5012	.4727	.5144	.5844	.5456	.5451
FB	.6562	.5994	.6658	.7643	.6842	.6817
PARCDC	.8207	.7325	.8691	.9946	.9021	.8844
PARACC	.6532	.5839	.6653	.7909	.7208	.6887
PARCONG	.8044	.8443	.9513	.9770	1.0009	.9298
CB	.5255	.5267	.5578	.6041	.6477	.5985
POLICEP	.6165	.6227	.7049	.7518	.8747	.7379
CHURCHF	.9210	.9543	.9489	1.0107	.9901	.9740
MINSTRP	.8960	.7704	.7291	.8562	.8689	.8021
SCHOOLP	.7955	.7625	.8123	.8819	.8806	.8380
TEACHRP	.9143	.8012	.8208	.9681	.9410	.8911
RELGITY	.8528	.8032	.8625	.9090	.9281	.8740
AUTH	.6430	.6417	.6494	.6857	.6709	.6803
FAITH	.5708	.5610	.5603	.5841	.6151	.5748
COLLO	.7768	.6791	.7134	.8136	.8507	.7736
CLASSES	.8802	.8324	.8734	.9299	1.0935	.9257
NCBEH	.3726	.3473	.5650	.6566	.7386	.6717
DELSC	.7970	.8351	.8798	.9262	1.0357	.9079
SMOKE	.5910	.6185	1.0149	1.1441	1.1429	1.0766
ALCOHOL	.5898	.7089	1.0148	1.0773	1.2480	1.0679
DRUGS	.2466	.2192	.6985	.9871	1.2595	.8302
AVALD	.8240	1.0448	1.1232	1.1101	1.1992	1.2200
GENDEL	.4122	.4104	.5887	.6890	.8908	.7216
STRESS	.4649	.4155	.4510	.5303	.5489	.4890
PSTRESS	.5201	.4625	.5405	.6350	.6758	.5690
SUICIDE	.7445	.5356	.7003	.8474	1.0122	.7737
PHYSWER	.6685	.6539	.6653	.7144	.7362	.6810
ESTRESS	.5333	.5013	.5102	.5642	.5816	.5495
FAMILYC	.7157	.6083	.6963	.9356	1.1072	.8064
DEPRESS	.8579	.6736	.7274	.7354	.7253	.7342
AFFECTD	.8893	.7923	.8377	.8635	.8487	.8422
PAGE	.8041	.7354	.7576	.8405	.9819	.8109
SELFR	.5525	.4938	.5428	.5425	.5752	.5433
GUILT	.7138	.6435	.5943	.6654	.6619	.6396
XSS	1.5062	2.8831	5.0916	6.1660	5.9130	5.4927
BONDS	3.6514	3.5080	3.6099	3.9686	3.5584	3.9106
STRES	2.3146	1.9375	2.1769	2.7674	2.9261	2.4205
NCBEHS	1.3257	1.1537	2.4281	3.1522	3.9992	3.0049
MXSS	.9992	1.6955	2.5835	3.1594	3.2365	2.9851
MX1XSUS	19.9965	32.0337	51.3495	62.3226	58.3576	54.4484
MX1XSGD	17.8223	21.6128	45.1660	60.1935	62.0593	52.3863
MXSD	1.3399	1.1624	1.7891	2.4265	2.8361	2.2471
ZSH1	.0643	.2330	.5539	.6576	.6966	.9967
ZSXABC1	.0024	.0357	.3158	.2101	.1358	.9914
ZSXBEH1	.0025	.0037	.0564	.2615	1.6339	.9787

B.6a--Means and Wilks' Lambda for Males by the Five Levels of Sexual Activity.

GROUP COUNTS

	GROUP 1	GROUP 2	GROUP 3	GROUP 4	GROUP 5	TOTAL
COUNT	100.0000	232.0000	299.0000	125.0000	171.0000	927.0000

MEANS

	GROUP 1	GROUP 2	GROUP 3	GROUP 4	GROUP 5	TOTAL	WILKS' LAMBDA F
X1	2.9600	3.3147	4.1106	3.8240	4.0058	3.7292	17.5976
X2	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	.0000
X3	2.6500	2.4440	2.5786	2.3840	2.2690	2.4693	2.2026
DX31	.1700	.2759	.2742	.3360	.3333	.2826	2.5993
DX32	.3600	.3362	.2876	.2640	.3275	.3118	1.0161
DX33	.1600	.1250	.1405	.1580	.1637	.1467	.4875
DX34	.2700	.1940	.1806	.1440	.0877	.1715	4.2900
X4	1.3100	1.2198	1.2508	1.2960	1.4211	1.2869	5.6956
DX41	.3100	.3147	.2508	.2800	.2690	.2805	.7955
DX42	.0000	.0086	.0000	.0240	.0058	.0065	2.1959
DX43	.3600	.4569	.4983	.4000	.3041	.4251	4.7986
DX44	.3100	.2198	.2508	.2960	.4211	.2869	5.6956
X5	1.1500	1.4741	2.4047	2.6320	2.9304	2.1456	111.4625
DX51	.8900	.6207	.1906	.1760	.0877	.3528	112.1986
DX52	.0600	.2974	.3445	.2480	.2398	.2718	7.3318
DX53	.0200	.0690	.3378	.3600	.4654	.2665	38.5030
DX54	.0100	.0129	.1237	.2000	.1287	.0949	12.5223
DX55	.0000	.0000	.0033	.0160	.0585	.0140	8.1520
X6	3.6400	3.6466	3.7960	3.9520	3.8480	3.7691	2.0096
DX61	.0200	.0216	.0167	.0080	.0234	.0183	.2929
DX62	.1600	.1595	.1472	.1120	.1462	.1489	.5805
DX63	.2600	.2716	.2408	.2080	.2047	.2395	.8389
DX64	.2200	.2457	.2241	.2640	.2105	.2319	.3964
DX65	.3200	.3017	.3712	.4080	.4152	.3614	1.9461
X7	3.0300	3.1853	3.4381	3.5600	3.5848	3.3743	6.4182
DX71	.0200	.0216	.0167	.0080	.0234	.0183	.2929
DX72	.3600	.3190	.2542	.2160	.1696	.2611	4.5418
DX73	.3100	.2888	.2575	.2400	.3041	.2772	.6860
DX74	.1900	.1940	.2174	.2800	.2047	.2147	1.0566
DX75	.1200	.1767	.2542	.2560	.2982	.2287	4.1949
X8	3.5900	3.4957	3.6355	3.5760	3.5673	3.5750	.8866
DX81	.0300	.0216	.0167	.0080	.0234	.0194	.4373
DX82	.1600	.2198	.1572	.2000	.1813	.1834	1.0059
DX83	.0000	.0000	.0000	.0000	.0000	.0000	.0000
DX84	.8100	.7586	.8261	.7920	.7953	.7972	.9500
X76	2.0200	[illegible]	2.2274	2.4480	2.6959	2.2686	16.9952
DX761	.2400	.2672	.2040	.1600	.1754	.2125	2.0564
DX762	.5900	.5129	.4562	.3840	.2164	.4315	13.3613
DX763	.0500	.1595	.2475	.3120	.3743	.2395	11.1818
DX764	.0900	.0560	.0870	.1360	.2047	.1079	6.6115
X175	3.4600	3.3793	3.0033	2.7680	2.9474	3.1068	5.9149
DX1751	.0300	.0560	.0903	.2080	.2281	.1165	12.6840
DX1752	.3900	.4224	.5050	.4000	.2865	.4175	5.5944
DX1753	.0400	.0172	.0334	.0640	.0526	.0378	1.5665
DX1754	.1500	.0948	.0535	.0720	.1754	.0992	5.6218
DX1755	.3900	.4095	.3177	.2560	.2573	.3290	3.9616
X176	2.6200	3.2974	3.5552	3.7200	3.3918	3.3819	10.9570
DX1761	.4200	.2500	.1505	.0960	.1988	.2060	11.9442
DX1762	.0900	.0398	.0468	.0480	.0819	.0561	1.5693
DX1763	.0500	.0690	.0936	.1040	.0819	.0820	.8052
DX1764	.3300	.4483	.5151	.5440	.4035	.4617	4.1276
DX1765	.1100	.1940	.1940	.2080	.2339	.1942	1.6043
BONDINE	3.8303	3.7353	3.5671	3.4656	3.2169	3.5745	38.4372
FB	3.9379	3.8331	3.6723	3.6519	3.3879	3.6862	17.0124
PARCDC	3.6447	3.4999	3.3152	3.1835	3.0409	3.3296	13.0477
PARACC	4.1596	4.0749	3.9227	3.8450	3.5958	3.9156	18.8102
PARCONG	4.0093	3.9247	3.7807	3.9274	3.5270	3.8144	7.6379
CB	3.7227	3.7375	3.4613	3.3193	3.0460	3.4628	45.2574
POLICEP	4.0515	3.9468	3.6206	3.4876	3.2327	3.6625	33.2329
CHURCHP	3.6300	3.6832	3.3802	3.2587	2.8645	3.3714	20.7610
MINSTRP	3.6967	3.7672	3.5474	3.5040	3.2963	3.5663	8.7071
SCHOOLP	3.1275	3.2446	3.0491	2.8560	2.6062	2.9987	17.0160
TEACHRP	4.0780	4.0457	3.7091	3.4900	3.2301	3.7152	26.9555
RELGITY	3.9040	3.8786	3.6359	3.5996	3.2940	3.6576	11.9929
AUTH	3.7687	3.6220	3.3538	3.2683	3.0536	3.3988	27.8647
FAITH	3.1533	3.1454	3.0523	3.0352	3.0107	3.0765	2.1024
COLLO	3.6995	3.7039	3.7105	3.4946	3.1351	3.5724	19.2330
CLASSES	3.8901	3.8718	3.6656	3.5150	3.1431	3.6247	17.7093
NCBEH	1.3931	1.4923	1.9066	2.2544	2.7817	1.9558	165.4194
DELSC	1.6600	1.8491	1.9431	2.1560	2.4444	2.0102	16.6683
SMOKE	1.4475	1.5311	2.0792	2.5140	3.1077	2.1147	94.7720
ALCOHOL	1.3900	1.5101	2.1237	2.4960	3.0819	2.1179	76.5601
DRUGS	1.0640	1.0569	1.4040	1.7872	2.3778	1.5139	84.6716
AVALD	1.6595	1.9586	2.6545	3.0600	3.2930	2.5457	62.6688
GENDEL	1.3641	1.5443	1.9826	2.3185	2.8969	2.0224	135.1721
STRLSS	2.1335	2.1665	2.2408	2.3397	2.5348	2.2782	19.4152
PSTRESS	1.9972	2.0000	2.0523	2.1393	2.3607	2.1056	14.4407
SUICIDE	1.4400	1.3728	1.4799	1.6107	1.9854	1.5597	16.7469
PHYSWLP	2.5545	2.6272	2.6247	2.6680	2.7760	2.6515	2.3729
ESTRESS	2.2698	2.3330	2.4292	2.5400	2.6889	2.4508	14.9525
FAMILYC	1.3600	1.3420	1.4049	1.5813	1.9298	1.5049	14.0411
DEPRESS	2.8912	2.9182	2.8942	2.9024	3.0154	2.9083	1.9553
AFFECTD	2.4660	2.6875	2.8053	2.7925	2.8092	2.7402	3.7584
RAGE	2.3420	2.4345	2.6125	2.8616	3.0020	2.6597	16.3547
SELFP	3.2510	3.2693	3.4624	3.5886	3.4553	3.4071	10.0650
GUILT	2.3400	2.4274	2.4223	2.4957	2.5228	2.4431	1.5424
XSS	1.5500	2.6379	6.6722	8.0080	8.9357	5.7077	84.1236
BONDS	14.9293	14.5229	12.9708	12.4740	10.6504	13.0772	37.5312
STRES	4.7566	4.9528	5.2114	5.7329	6.7411	5.4293	20.4969
NCBEHS	2.1319	2.3535	3.9621	5.5293	8.2234	4.3620	142.6903
MXSS	2.4602	3.2365	5.3953	6.1217	7.1866	4.9592	105.0815
MX1XSES	27.9798	42.0142	60.1765	81.3690	91.7347	67.2140	62.6468
MX1XSBD	19.4792	28.9237	69.2629	80.4979	102.5679	61.5098	95.2228
MXSD	3.0758	3.2760	4.3419	5.4025	7.2096	4.6104	120.6169
ZSH1	1.7360	2.0903	3.1104	3.8567	4.4064	3.0465	760.3581
ZSXABC1	2.1285	2.1694	2.7892	3.9957	5.0272	3.1473	6498.5094
ZSXBEH1	2.5970	2.5974	2.6598	3.0386	5.1691	3.1513	396.1740

B.6b--Standard Deviations for Males by the Five Levels of Sexual Activity.

STANDARD DEVIATIONS

	GROUP 1	GROUP 2	GROUP 3	GROUP 4	GROUP 5	TOTAL
X1	1.6813	1.4445	1.4807	1.4089	1.5166	1.5445
X2	.0000	.0000	.0000	.0000	.0000	.0000
X3	1.1067	1.2678	1.3646	1.2185	1.2547	1.2975
DX31	.3775	.4479	.4469	.4742	.4728	.4505
DX32	.4624	.4734	.4534	.4426	.4707	.4635
DX33	.3655	.3314	.3481	.3754	.3711	.3540
DX34	.4462	.3963	.3953	.3525	.2837	.3772
X4	.4648	.4150	.4342	.4583	.4952	.4526
DX41	.4648	.4654	.4342	.4508	.4447	.4495
DX42	.0000	.0926	.0000	.1537	.0765	.0802
DX43	.4678	.4992	.5008	.4919	.4614	.4948
DX44	.4648	.4150	.4342	.4583	.4952	.4526
X5	.4794	.6633	.9448	1.0437	.9643	1.0512
DX51	.3165	.4363	.3935	.3824	.2837	.4781
DX52	.2727	.4581	.4760	.4336	.4282	.4452
DX53	.1407	.2539	.4738	.4819	.5013	.4423
DX54	.1000	.1132	.3298	.4016	.3358	.2933
DX55	.0000	.0000	.0578	.1260	.2353	.1177
X6	1.1679	1.1339	1.1444	1.0699	1.1833	1.1443
DX61	.1407	.1455	.1284	.0894	.1516	.1342
DX62	.3861	.3669	.3549	.3166	.3543	.3561
DX63	.4408	.4457	.4283	.4075	.4047	.4270
DX64	.4163	.4316	.4177	.4426	.4089	.4223
DX65	.4688	.4600	.4839	.4934	.4942	.4807
X7	1.0584	1.1301	1.1695	1.1173	1.1518	1.1512
DX71	.1407	.1455	.1284	.0894	.1516	.1342
DX72	.4824	.4671	.4361	.4132	.3764	.4394
DX73	.4644	.4542	.4380	.4288	.4614	.4479
DX74	.3743	.3963	.4132	.4508	.4047	.4108
DX75	.3266	.3823	.4361	.4388	.4588	.4202
X8	.8557	.9059	.8053	.8353	.8676	.8535
DX81	.1714	.1455	.1284	.0894	.1516	.1381
DX82	.3685	.4150	.3646	.4016	.3864	.3872
DX83	.0000	.0000	.0000	.0000	.0000	.0000
DX84	.3943	.4288	.3797	.4075	.4047	.4023
X76	.8285	.8321	.8834	.9458	1.0743	.9434
DX761	.4292	.4435	.4037	.3691	.3815	.4093
DX762	.4943	.5009	.4991	.4883	.4130	.4956
DX763	.2727	.3669	.4323	.4652	.4858	.4270
DX764	.2376	.2305	.2922	.3442	.4047	.3104
X175	1.4176	1.4934	1.4826	1.5141	1.5540	1.5132
DX1751	.1714	.2305	.2871	.4075	.4208	.3210
DX1752	.4902	.4950	.5008	.4919	.4535	.4934
DX1753	.1369	.1305	.1801	.2457	.2240	.1907
DX1754	.3589	.2936	.2654	.2595	.3615	.2992
DX1755	.4902	.4928	.4664	.4992	.4384	.4701
X176	1.5556	1.4778	1.2795	1.1402	1.4405	1.4053
DX1761	.4960	.4339	.3582	.2956	.4003	.4047
DX1762	.2576	.1935	.2116	.2140	.2750	.2302
DX1763	.2190	.2539	.2918	.3065	.2750	.2745
DX1764	.4726	.4984	.5006	.5001	.4920	.4988
DX1765	.3145	.3963	.3961	.4075	.4246	.3958
BONDING	.5106	.4496	.4978	.5726	.5509	.5452
FB	.6482	.5547	.6227	.6783	.6773	.6490
PARCDC	.7804	.7089	.7860	.8860	.8923	.8237
PARACC	.6761	.5476	.6141	.6930	.6919	.6554
PARCONG	.8122	.8072	.8498	.8445	.9893	.8748
CB	.5566	.4978	.5395	.6201	.6227	.6102
POLICEP	.6478	.6174	.7488	.7927	.8631	.7870
CHURCHP	1.0060	.8865	.9293	.9972	.9948	.9888
MINSTRP	1.0004	.7684	.7636	.8674	.8973	.8465
SCHOOLP	.8554	.7550	.7939	.8766	.8797	.8438
TEACHRP	.9453	.8024	.8358	1.0552	.9222	.9371
RELGITY	.9857	.8138	.9527	.9295	.9491	.9413
AUTH	.6662	.6348	.6702	.6763	.6535	.6960
FAITH	.6130	.5399	.5664	.5887	.6356	.5829
COLLO	.7902	.7251	.7275	.7690	.8556	.7928
CLASSES	.8900	.8505	.9193	.9281	1.1044	.9755
NCBEH	.4394	.3703	.5729	.6713	.6987	.7330
DELSC	.7678	.8091	.8900	.9123	1.0661	.9293
SMOKE	.7047	.6130	.9414	1.1356	1.1382	1.0904
ALCOHOL	.6996	.7931	1.1035	1.1245	1.1793	1.1690
DRUGS	.3390	.2891	.7098	.9630	1.2470	.9133
AVALD	.8977	1.0431	1.0985	1.1534	1.1210	1.2119
GENDEL	.4543	.4527	.6659	.7594	.8779	.8303
STRESS	.4871	.3996	.4369	.5109	.5638	.6883
PSTRESS	.5317	.4694	.5056	.5964	.7004	.5695
SUICIDE	.8407	.6109	.7109	.8140	1.0811	.9256
PHYSWER	.6567	.6152	.6323	.6294	.7275	.6509
ESTRESS	.5779	.4426	.5225	.5719	.5868	.5544
FAMILYC	.7304	.7469	.7455	.8615	1.1921	.8978
DEPRESS	.8647	.6271	.7048	.6906	.6908	.7026
AFFECTD	.8589	.7447	.8303	.7851	.7711	.8008
RAGE	.7693	.7694	.8169	.8506	.9048	.8489
SELFR	.5054	.4914	.5714	.5619	.5797	.5629
GUILT	.7554	.6605	.6118	.6530	.6846	.6618
XSS	1.9768	2.7109	4.7317	5.0336	5.7509	5.1772
BONDS	3.7091	3.3415	3.5114	3.8517	3.5542	3.8171
STPES	2.2236	1.8336	2.0667	2.4607	2.9800	2.4080
NCBEHS	1.6382	1.2598	2.6161	3.1694	3.9668	3.4408
MXSS	1.1702	1.4429	2.4916	2.8309	3.1451	2.8878
MX1XSBS	23.0630	32.2731	49.3811	49.7316	51.6816	69.0468
MX1XSBF	23.1026	22.7329	49.0236	54.2091	62.3237	53.6263
MXSD	1.5078	1.1844	1.7797	2.4536	2.8669	2.4459
ZSF1	.0596	.2053	.5577	.6425	.6991	1.0500
ZSXABC1	.0018	.0359	.3056	.2104	.1463	1.0832
ZSXBEH1	.0022	.0025	.0571	.2376	1.7140	1.2205

B.7a--Means and Wilks' Lambda for Females by the Five Levels of Sexual Activity.

GROUP COUNTS

	GROUP 1	GROUP 2	GROUP 3	GROUP 4	GROUP 5	TOTAL
COUNT	94.0000	283.0000	470.0000	132.0000	87.0000	1066.0000

MEANS

	GROUP 1	GROUP 2	GROUP 3	GROUP 4	GROUP 5	TOTAL	WILKS' LAMBDA	F
X1	2.8511	3.0141	3.8702	4.3030	4.3908	3.6492		33.6942
X2	2.0000	2.0000	2.0000	2.0000	2.0000	2.0000		.0000
X3	2.3617	2.4417	2.5447	2.0379	1.9080	2.3865		7.0418
DX31	.3298	.2721	.2894	.4394	.5172	.3255		7.3779
DX32	.3191	.3463	.3000	.3106	.2644	.3124		.7000
DX33	.0638	.1272	.1021	.0833	.0690	.1004		1.2595
DX34	.2340	.1767	.1936	.1061	.0920	.1735		3.0117
X4	1.2447	1.2332	1.1851	1.2879	1.3218	1.2270		3.0651
DX41	.2021	.2998	.2809	.2727	.2069	.2692		1.2013
DX42	.0106	.0035	.0043	.0076	.0230	.0066		1.1596
DX43	.5426	.4735	.5298	.4318	.4483	.4972		1.6263
DX44	.2447	.2332	.1851	.2379	.3218	.2270		3.0651
X5	1.0426	1.5053	2.6681	3.0682	2.8276	2.2796		153.8122
DX51	.9574	.6148	.1170	.1061	.1724	.3265		165.4893
DX52	.0426	.2962	.3064	.1818	.1609	.2505		9.9197
DX53	.0000	.0777	.3872	.3182	.3793	.2617		36.7181
DX54	.0000	.0212	.1702	.3258	.2414	.1407		26.5157
DX55	.0000	.0000	.0191	.0682	.0460	.0206		6.5064
X6	3.6809	3.4996	3.8617	3.9167	3.7931	3.8039		1.4909
DX61	.0532	.0071	.0213	.0303	.0460	.0235		2.3199
DX62	.1383	.1273	.1128	.0833	.1379	.1332		2.9559
DX63	.2340	.2332	.2277	.2576	.1609	.2280		.7346
DX64	.2234	.2438	.2596	.1970	.2874	.2467		.8078
DX65	.3511	.3286	.3787	.4318	.3678	.3687		1.1348
X7	3.1489	3.3180	3.4936	3.4545	3.3563	3.4006		2.2389
DX71	.0532	.0071	.0213	.0303	.0460	.0235		2.3199
DX72	.3298	.2398	.2277	.2652	.2644	.2608		1.5637
DX73	.2234	.2933	.2638	.1894	.2414	.2570		1.4742
DX74	.2021	.1979	.2106	.2500	.1839	.2092		.4781
DX75	.1915	.2120	.2766	.2652	.2644	.2495		1.4240
X8	3.7128	3.5233	3.7979	3.7879	3.7586	3.7927		.7940
DX81	.0532	.0106	.0213	.0227	.0460	.0235		1.9255
DX82	.0000	.0000	.0043	.0000	.0000	.0019		.6938
DX83	.1277	.1449	.1298	.1439	.1034	.1332		.3003
DX84	.8191	.8445	.8447	.8333	.8506	.8415		.1311
X76	1.9149	2.0035	2.1319	2.4470	2.5632	2.1529		14.3609
DX761	.3191	.1979	.1617	.1212	.2069	.1839		4.3730
DX762	.5213	.4346	.6170	.4848	.2759	.5704		11.7893
DX763	.1064	.1237	.1553	.2273	.2759	.1614		4.5206
DX764	.0319	.0459	.0596	.1591	.2299	.0779		13.3500
X175	3.0638	3.1395	2.8043	2.2197	2.8736	2.9415		8.1191
DX1751	.0319	.1025	.1702	.4242	.2529	.1782		22.3636
DX1752	.5638	.4629	.4372	.3409	.3563	.4587		4.2457
DX1753	.0213	.0177	.0106	.0152	.0115	.0141		.2659
DX1754	.0745	.0565	.0319	.0303	.0230	.0413		1.6171
DX1755	.3085	.3004	.3000	.1894	.3563	.3077		3.3927
X176	3.4468	3.6820	3.9170	3.9545	3.8391	3.8114		4.7913
DX1761	.2340	.1413	.0766	.0455	.0805	.1041		7.7921
DX1762	.0213	.0283	.0319	.0379	.0345	.0310		.1581
DX1763	.0213	.0565	.0596	.0985	.0805	.0619		1.6053
DX1764	.5106	.5548	.5617	.5530	.5747	.5553		.2424
DX1765	.2128	.2191	.2702	.2652	.2299	.2477		.8743
BONDING	3.7766	3.7481	3.5780	3.4091	3.3036	3.5969		20.6172
FB	3.6596	3.8349	3.6655	3.4318	3.4090	3.6785		12.4758
PARCDC	3.5426	3.4417	3.2435	2.9520	2.9789	3.2762		12.2709
PARACC	4.0679	4.0282	3.9491	3.7614	3.7042	3.9532		8.3809
PARCONG	3.6076	3.9317	3.8038	3.6019	3.5438	3.8060		4.9168
CB	3.7098	3.6613	3.4905	3.3620	3.1983	3.5154		16.7198
POLICEP	3.9830	3.8581	3.6390	3.5106	3.5471	3.7041		12.6027
CHURCHP	3.7411	3.6154	3.3936	3.2030	2.9234	3.4335		12.4145
MINSTRP	3.6454	3.6449	3.5457	3.4772	3.3065	3.5522		4.0944
SCHOOLP	3.1965	3.2750	3.1674	2.8980	2.8017	3.1357		8.7999
TEACHRP	3.6798	3.9131	3.7067	3.6255	3.4126	3.7514		9.0655
RELGITY	3.9227	3.8835	3.7544	3.6477	3.6494	3.7764		3.0895
AUTH	3.6505	3.5455	3.2874	3.1856	3.2126	3.3692		15.4270
FAITH	3.1312	3.1325	3.0663	2.8889	2.9789	3.0605		5.0758
COLLO	3.7660	3.7825	3.7065	3.3535	3.0753	3.4366		22.7133
CLASSES	3.9698	4.0513	3.8849	3.7557	3.6199	3.8989		5.7111
NCBEH	1.2766	1.4095	1.8430	2.1440	2.2714	1.7509		96.3702
DELSC	1.7394	1.7380	1.8670	2.0189	2.1839	1.8795		4.6323
SMOKE	1.2775	1.5191	2.2877	2.7481	2.8429	2.0951		79.4736
ALCOHOL	1.2092	1.4393	2.0163	2.2879	2.3448	1.8524		46.8904
DRUGS	1.0021	1.0325	1.4054	1.8258	1.9201	1.3043		53.3157
AVALD	1.4319	1.8233	2.6719	3.0958	3.1379	2.4277		68.3524
GENDEL	1.1947	1.2687	1.6427	1.8443	2.0651	1.5633		86.9711
STRESS	2.1441	2.1752	2.2967	2.4655	2.6503	2.3036		24.7947
PSTRESS	2.0400	2.0394	2.1595	2.3333	2.5418	2.1698		18.3610
SUICIDE	1.2943	1.3269	1.5525	1.8106	1.9962	1.5405		24.7393
PHYSWER	2.7556	2.7519	2.7566	2.8333	3.0874	2.7991		4.4432
ESTRESS	2.2562	2.3110	2.4339	2.6212	2.7589	2.4374		19.7295
FAMILYC	1.2333	1.2579	1.3716	1.4773	1.5824	1.3961		7.3633
DEPRESS	2.7152	2.9082	2.9391	3.1093	3.2529	2.9315		9.7629
AFFECTD	2.6686	2.9104	2.9645	3.0788	3.2651	2.9484		8.3956
RAGE	2.2372	2.4371	2.4404	2.7258	2.9149	2.4735		15.4489
SELFR	3.1682	3.3396	3.4690	3.4117	3.2414	3.3825		9.5620
GUILT	2.4035	2.4065	2.5114	2.5207	2.6513	2.4866		3.4802
XSS	1.1277	2.7456	8.0298	10.6136	9.2414	6.4512		114.8261
BONDS	14.5625	14.2933	13.0771	11.0152	11.1945	13.2318		20.0793
STRES	4.8470	4.8148	5.4851	6.4677	7.2843	5.5459		24.6674
NCBEHS	1.7259	2.0208	3.7086	5.0077	5.6443	3.6226		83.0633
MXSS	2.2522	3.2748	6.1291	7.6374	7.4935	5.1272		142.9218
MX1X5BS	23.8700	39.1078	84.7782	116.6540	113.0398	74.3970		103.9291
MX1X5BD	14.3424	25.3956	68.6446	102.4040	98.1398	50.0475		182.8751
MXSD	2.8141	3.1130	4.3119	5.4354	6.1542	4.1526		82.6185
ZSB1	1.7450	2.1193	3.0976	4.0316	4.4107	2.9415		668.7885
ZSXABC1	2.1285	2.1917	2.6717	3.9964	5.0370	2.8534		3849.2180
ZSXBEH1	2.5970	2.5974	2.6416	3.1340	4.5387	2.8417		451.9828

B.7b--Standard Deviations for Females by the Five Levels of Sexual Activity.

STANDARD DEVIATIONS

	GROUP 1	GROUP 2	GROUP 3	GROUP 4	GROUP 5	TOTAL
X1	1.2865	1.5017	1.5406	1.5076	1.4089	1.5842
X2	.0000	.0000	.0000	.0000	.0000	.0000
X3	1.3022	1.2713	1.3911	1.2257	1.2165	1.3289
DX31	.4727	.4458	.4539	.4984	.5026	.4688
DX32	.4686	.4766	.4567	.4645	.4496	.4637
DX33	.2458	.3338	.3031	.2774	.2549	.3006
DX34	.4257	.3821	.3956	.3091	.2906	.3789
X4	.4322	.4236	.3888	.4545	.4699	.4191
DX41	.4037	.4545	.4499	.4471	.4074	.4438
DX42	.1031	.0594	.0652	.0870	.1507	.0808
DX43	.5009	.5002	.4996	.4972	.5002	.5002
DX44	.4322	.4236	.3888	.4545	.4699	.4191
X5	.2029	.7311	.9555	1.0996	1.1228	1.1226
DX51	.2029	.4375	.3218	.3091	.3799	.4691
DX52	.2029	.4528	.4615	.3876	.3696	.4335
DX53	.0000	.2682	.4876	.4675	.4880	.4398
DX54	.0000	.1443	.3762	.4704	.4304	.3479
DX55	.0000	.0000	.1372	.2530	.2106	.1422
X6	1.2375	1.1353	1.1101	1.1395	1.2117	1.1416
DX61	.2256	.0839	.1445	.1721	.2106	.1514
DX62	.3471	.3908	.3166	.2774	.3468	.3400
DX63	.4257	.4236	.4198	.4390	.3696	.4197
DX64	.4188	.4301	.4389	.3996	.4552	.4313
DX65	.4709	.4705	.4856	.4972	.4850	.4827
X7	1.2266	1.1257	1.1786	1.2255	1.2573	1.1844
DX71	.2256	.0839	.1445	.1721	.2106	.1514
DX72	.4727	.4545	.4198	.4431	.4436	.4393
DX73	.4188	.4561	.4412	.3933	.4304	.4375
DX74	.4037	.3991	.4082	.4347	.3867	.4069
DX75	.3956	.4095	.4478	.4631	.4436	.4329
X8	.7277	.4580	.5460	.5510	.6814	.5560
DX81	.2256	.1026	.1445	.1496	.2106	.1514
DX82	.0000	.0000	.0652	.0000	.0000	.0433
DX83	.3355	.3526	.3364	.3524	.3063	.3400
DX84	.3670	.3630	.3626	.3741	.3586	.3654
X76	.8033	.6919	.7724	.9272	1.0965	.8325
DX761	.4686	.3991	.3686	.3276	.4074	.3876
DX762	.5022	.4810	.4866	.5017	.4495	.4953
DX763	.3100	.3298	.3626	.4207	.4495	.3680
DX764	.1767	.1936	.2369	.3672	.4232	.2681
X175	1.4203	1.5386	1.5396	1.4946	1.6631	1.5559
DX1751	.1767	.3038	.3762	.4961	.4372	.3829
DX1752	.4966	.4995	.5004	.4961	.4817	.4985
DX1753	.1451	.1320	.1027	.1496	.1072	.1178
DX1754	.2639	.2314	.1760	.1721	.1507	.1990
DX1755	.4644	.4810	.4587	.3933	.4817	.4618
X176	1.4637	1.2511	1.0688	.9640	1.0770	1.1560
DX1761	.4257	.3490	.2662	.2091	.2736	.3056
DX1762	.1451	.1660	.1760	.1916	.1835	.1733
DX1763	.1451	.2314	.2369	.2991	.2736	.2411
DX1764	.5026	.4979	.4967	.4991	.4973	.4972
DX1765	.4115	.4144	.4445	.4431	.4232	.4319
BONDING	.4927	.4909	.5251	.5952	.5328	.5423
FB	.6657	.6346	.6925	.8269	.7013	.7092
PARCDC	.8622	.8391	.9162	1.0787	.9248	.9337
PAPACC	.6911	.6131	.6964	.8742	.7735	.7161
PARCONG	.7999	.8749	1.0113	1.0666	1.0291	.9755
CB	.4931	.5478	.5696	.5991	.6847	.5872
POLICEP	.5812	.6252	.6762	.7138	.8645	.6922
CHURCHP	.8226	.8829	.9622	1.0267	.9853	.9605
MINSTRP	.7741	.7690	.7072	.8484	.8153	.7617
SCHOOLP	.7292	.7696	.8274	.8896	.8728	.8280
TEACHRP	.8822	.7967	.8120	.9767	.9710	.8491
RELGITY	.6683	.7957	.7976	.8932	.8417	.8073
AUTH	.6152	.6463	.6351	.6946	.6956	.6664
FAITH	.5653	.5786	.5569	.5726	.5756	.5679
COLLO	.7758	.6380	.7050	.8514	.8446	.7556
CLASSES	.9051	.7831	.8326	.9197	1.0050	.8605
NCBEH	.2767	.3230	.5591	.6403	.7006	.5977
DELSC	.8090	.8563	.8730	.9378	.9558	.8948
SMOKE	.4257	.6239	1.0523	1.1446	1.1382	1.0648
ALCOHOL	.4289	.6313	.9530	1.0265	1.2415	.9551
DRUGS	.0206	.1392	.6920	.8944	1.2355	.7440
AVALD	.7240	1.0440	1.1397	1.0717	1.3407	1.2248
GENDEL	.3374	.3237	.4905	.5209	.6196	.5256
STRESS	.4650	.4288	.4583	.5405	.5128	.4895
PSTRESS	.5094	.4568	.5580	.6580	.6146	.5652
SUICIDE	.6619	.5643	.6928	.8674	.8619	.7259
PHYSWOR	.6636	.6798	.6803	.7211	.7131	.6991
ESTRESS	.5220	.5168	.5028	.5548	.5717	.5454
FAMILYC	.7033	.5964	.6636	.9136	.8793	.7142
DEPRESS	.8459	.7105	.7417	.7643	.7686	.7606
AFFECTD	.9337	.8089	.8355	.9131	.9082	.8654
RAGE	.6427	.7007	.7102	.8268	.8373	.7663
SELFR	.5347	.4943	.5244	.5106	.5440	.5257
GUILT	.6571	.6303	.5808	.6604	.6098	.6191
XSS	.6088	3.0197	5.2449	6.5167	6.2487	5.7330
BONDS	3.5992	3.6411	3.6740	3.8798	3.5595	3.8052
STRES	2.4191	2.0106	2.2398	2.8286	2.7090	2.4311
NCBEHS	.8395	1.0354	2.2979	2.9228	3.4972	2.4867
MXSS	.7692	1.7343	2.6031	3.2695	3.4196	3.0614
MX1X5ES	13.1723	31.8333	53.0425	68.1649	67.6848	58.5615
MX1X5BD	8.0605	20.5530	43.3016	63.7475	61.7750	51.2013
MXSD	1.2669	1.1414	1.7969	2.4098	2.6541	2.0360
ZSB1	.0002	.2531	.5520	.7201	.6957	.9458
ZSXABC1	.0017	.0355	.3141	.2102	.1126	.0826
ZSXBEH1	.0022	.0028	.0548	.2116	1.3600	.6721

Table B.8--Pearson Correlations for All Subjects.

	X1	X2	X4	X5	X6	PARCDC	PARACC	PARCONG	FAITH	POLICEP	CHURCHP	MINSTRP
X1	1.00000	-.01688	-.03991	.39131	.00243	-.06595	.00577	-.10494	-.11095	-.10754	-.09056	-.09322
X2	-.01688	1.00000	-.06594	.07030	.01964	-.02867	.02746	.00317	-.00997	.03109	.03002	-.01211
X4	-.03991	-.06594	1.00000	.01640	.01350	-.06923	-.14073	-.09577	-.06424	-.07924	-.25128	-.19218
X5	.39131	.07030	.01640	1.00000	.04944	-.15557	-.12647	-.12777	-.06357	-.21816	-.16163	-.10626
X6	.00243	.01964	.01350	.04944	1.00000	-.08220	-.08435	-.00432	.03629	-.06455	-.02601	.00069
PARCDC	-.06595	-.02867	-.06923	-.15557	-.08220	1.00000	.70006	.39898	.25533	.37003	.25551	.22873
PARACC	.00577	.02746	-.14073	-.12647	-.08435	.70006	1.00000	.44586	.22607	.38422	.28415	.28346
PARCONG	-.10494	.00317	-.09577	-.12777	-.00432	.39898	.44586	1.00000	.17169	.20816	.19437	.16726
FAITH	-.11095	-.00997	-.06424	-.06357	.03629	.25533	.22607	.17169	1.00000	.20527	.21946	.17987
POLICEP	-.10754	.03109	-.07924	-.21816	-.06455	.37003	.38422	.20816	.20527	1.00000	.36147	.33083
CHURCHP	-.09056	.03002	-.25128	-.16163	-.02601	.25551	.28415	.19437	.21946	.36147	1.00000	.54528
MINSTRP	-.09322	-.01211	-.19218	-.10626	.00069	.22873	.28346	.16726	.17987	.33083	.54528	1.00000
SCHOOLP	.01079	.05170	-.10597	-.09429	-.05025	.28288	.20559	.14903	.27960	.35365	.33986	.22367
TEACHPP	.02629	.01379	-.09442	-.12252	-.04579	.35179	.38529	.21688	.29114	.45771	.29965	.27917
RELGITY	-.07498	.06930	-.26851	-.12356	.03051	.18940	.26081	.13161	.15201	.29611	.62175	.52406
AUTH	-.11483	-.01476	-.10402	-.22264	.00448	.37105	.38263	.26565	.24115	.54602	.40544	.34305
DELSC	-.08135	-.07245	.09619	.06269	.09039	-.23326	-.31641	-.14624	-.05972	-.26481	-.13357	-.10444
DRUGS	.21779	-.09644	.04147	.31405	.02713	-.19922	-.21179	-.16464	-.09854	-.37481	-.26097	-.14418
ALCOHOL	.10662	-.12477	.08293	.28405	-.01421	-.19542	-.20410	-.10117	-.10816	-.31630	-.26366	-.15409
GENDEL	.17146	-.30539	.07917	.33978	.10440	-.29516	-.33252	-.20552	-.17245	-.39051	-.27752	-.15350
SUICIDE	.03916	-.00372	.09064	.17364	.04494	-.30128	-.36347	-.21572	-.14201	-.22920	-.19594	-.11740
PHYSWOR	.00173	.03955	.04130	.01810	.07510	-.24549	-.24705	-.17414	-.23251	-.11621	-.09716	-.06309
FAMILYC	-.03300	-.07726	.09856	.09074	.05702	-.15526	-.25918	-.12987	-.02794	-.13790	-.09292	-.09031
AGE	-.04324	-.11949	.06272	.10432	.09171	-.30591	-.29476	-.15921	-.22055	-.17772	-.14653	-.05264
DEPRESS	-.01446	.03512	.09722	.07773	.10272	-.45180	-.47244	-.20065	-.21953	-.15382	-.15362	-.17132
AFFECTD	.08022	.12591	-.00433	.08311	.06655	-.33512	-.28666	-.17742	-.09021	-.07477	-.01072	.00901
SELFP	.00374	-.02496	-.09131	.15023	-.04014	.16142	.24031	.12945	.08411	.05401	.07412	.08759
GUILT	-.03327	.03944	-.03869	.01494	.09528	-.11082	-.08902	-.09055	-.03462	.07665	.11689	.08237
CLASSES	-.08498	.14614	-.15347	-.10547	-.03239	.27109	.34757	.20908	.17233	.31472	.21949	.20334
AVALD	.34654	-.04546	.00549	.39803	-.02112	-.15463	-.11382	-.11259	-.12903	-.25572	-.19086	-.11165
COLLO	.00474	.04695	-.23757	-.09808	-.13577	.22363	.34371	.20088	.03754	.22747	.18020	.17111
SMOKE	.12245	-.00926	.09633	.37421	.04117	-.27478	-.29432	-.14972	-.10446	-.40165	-.30223	-.15177
FU	-.07456	-.00165	-.12205	-.16757	-.04536	.84548	.87844	.77911	.27659	.36473	.29359	.26943
SE	-.07072	.04244	-.21205	-.21076	-.05206	.40569	.46432	.26579	.33709	.69197	.72113	.67574
PSTRESS	.02746	.05352	.08614	.12975	.08140	-.35775	-.39397	-.28212	-.23470	-.22000	-.19157	-.11721
?STRESS	-.00415	-.01364	.09056	.11464	.11463	-.44899	-.46903	-.34623	-.19912	-.19370	-.14553	-.09346
COPING	-.02548	.02274	-.19235	-.22019	-.04942	.75860	.77770	.47421	.35754	.60672	.57797	.53803
STRESS	.01354	.03333	.10023	.14007	.02409	-.45548	-.40093	-.34036	-.24776	-.24649	-.19271	-.12154
DELBEH	.14187	-.15244	.11497	.37797	.06896	-.32772	-.36947	-.20541	-.14545	-.47771	-.34192	-.19461
DX?1	.05522	.04041	.08002	.03629	.15574	-.07796	-.10128	-.07133	-.00556	-.01026	-.00627	-.01000
DX?2	-.00181	.03442	-.00344	-.03148	-.01983	.02396	.02305	-.00581	.02067	.01256	.01072	.01559
DX?3	-.00607	-.06334	-.02451	-.01510	-.02922	-.00613	.00422	.01170	-.04001	-.00152	.00115	-.00277
DX?4	-.06045	.00985	-.05336	-.02363	-.04377	.05576	.07289	.09841	.01915	.04743	.00318	.01156
DX71	-.00793	.00756	-.01642	-.01875	-.36931	-.02378	-.02109	-.03086	-.02913	.03707	.01374	-.00128
DX72	.02115	.00247	-.01475	-.03212	-.19967	.05116	.04910	.03108	-.01079	.03094	.02409	.01577
DX73	.02531	-.01971	-.02344	-.03403	-.15996	.02694	.01579	.02510	-.00093	-.01393	.00258	-.00608
DX74	-.01079	-.00219	.04057	.00651	.05561	-.02145	-.04092	-.03270	-.01231	.00562	-.02311	-.01577
DX?2OR3	.00618	-.05217	-.02149	.01135	-.06461	.07109	.09048	.03511	-.04292	.01356	.00512	.02447
DX?4	.00347	.05409	.02811	-.00239	.37395	-.06158	-.07285	.00067	.04912	-.03079	-.01035	-.03401
DX751	.10587	-.02835	-.00840	-.02820	-.07360	.05451	.06393	.03881	-.01769	.08920	.03791	.01727
DX752	-.05443	.13739	-.11634	-.09557	-.04097	.18573	.24261	.11309	.07133	.17560	.14129	.11371
DX753	-.01623	-.09229	.07570	.08556	.04164	-.17255	-.19979	-.00528	.00537	-.15791	-.10975	-.05348
DX1751	-.01374	.02691	.09373	.26005	.04396	-.14178	-.14977	-.10206	-.00705	-.03411	-.06624	-.05194
DX1752	.03322	.04957	-.09244	-.02276	-.07516	.12137	.17270	.07037	.03493	.09987	.07344	.07352
DX1753	.00076	-.08127	.02003	-.01078	-.07406	-.02568	-.06760	-.03769	-.02919	-.07315	-.04592	-.03054
DX1754	-.05646	-.11255	.03398	-.07119	.02404	-.01714	-.02193	-.01342	.01745	-.01045	-.03244	-.00568
DX1761	-.03774	-.13520	.05777	-.15190	-.02559	-.00592	-.01755	-.01792	-.03909	.02614	.00613	-.01656
DX1762	.02818	-.05574	.01171	-.01280	-.01521	-.04914	-.05644	-.05113	-.03654	-.05647	-.05345	-.04377
DX1763	-.00513	-.03750	.02229	.03455	-.01264	-.08290	-.11776	-.06898	-.04273	-.09125	-.03722	-.05018
DX1764	.04995	.09145	-.01853	.04689	-.01891	.03456	.03553	.01453	.02433	.01994	.00231	.01527
X15	.95070	-.01296	-.04432	.37566	-.00241	-.05523	.01734	-.09703	-.10945	-.10478	-.09052	-.09428
X5S	.35179	.07732	.02227	.97634	.05450	-.14590	-.12374	-.12616	-.05832	-.20415	-.15181	-.10172
BONDS	-.09012	.02214	-.15958	-.21581	-.07645	.74872	.76654	.67041	.35764	.60568	.57915	.54057
STRES	.01220	.02414	.10199	.14319	.08978	-.44471	-.45969	-.33212	-.24145	-.23744	-.18907	-.11571
DELBEHS	.14044	-.15670	.10961	.35003	.06094	-.29952	-.35074	-.19358	-.14145	-.46616	-.32558	-.17359
MASS	.32349	.06920	.05240	.90322	.08084	-.30543	-.29540	-.24471	-.14906	-.27634	-.21333	-.13526
MX1XSBS	.72816	.07556	-.03065	.79832	.07714	-.07955	-.01649	-.08934	-.09554	-.10733	-.06037	-.03162
MX1XSBD	.68672	-.01395	-.00137	.77330	.03376	-.08133	-.03889	-.04707	-.08112	-.22611	-.15153	-.07737
MXSD	.09970	-.10113	.12436	.32641	.08901	-.41733	-.47584	-.20389	-.20643	-.43558	-.32235	-.18101
SD	.33233	-.04745	.07404	.56323	.06074	-.21559	-.19982	-.14675	-.11234	-.30454	-.24094	-.13980
SXBEH	.13127	-.15269	.14146	.28088	.07190	-.12879	-.16223	-.10527	-.07893	-.21478	-.20827	-.13463
SXABC	.24176	-.14367	.12047	.45442	.06039	-.20257	-.21893	-.15436	-.09893	-.27705	-.24806	-.15135

Table B.8--Pearson Correlations for All Subjects (continued).

	SCHOOLP	TEACHRP	RELGITY	AUTH	DELSC	DRUGS
X1	.01079	.02629	-.07228	-.11493	-.08135	.21779
X2	.08170	.01839	.06990	-.01476	-.07245	-.09644
X4	-.10597	-.09442	-.26851	-.10402	.09619	.04147
X5	-.09429	-.14252	-.12356	-.22264	.06269	.31405
X6	-.05025	-.04579	.02051	.00446	.09039	.02717
PARCDC	.25288	.35179	.18940	.37105	-.27326	-.19922
PARACC	.29559	.38529	.26091	.38263	-.31841	-.21179
PARCONG	.14903	.21698	.13141	.26365	-.14424	-.16446
FAITH	.27960	.22114	.15201	.24115	-.05932	-.09854
POLICEP	.35265	.45731	.39611	.54602	-.26491	-.37468
CHURCHP	.23986	.29965	.62175	.40544	-.17357	-.26099
MINSTRP	.20367	.27917	.52404	.34305	-.10444	-.14410
SCHOOLP	1.00000	.54903	.18523	.30905	-.18417	-.22574
TEACHRP	.54903	1.00000	.20153	.40008	-.22399	-.26599
RELGITY	.18528	.20143	1.00000	.35637	-.09698	-.20421
AUTH	.30905	.40005	.35637	1.00000	-.16896	-.32053
DELSC	-.18417	-.22399	-.09698	-.16896	1.00000	.24777
DRUGS	-.22574	-.26599	-.20421	-.32053	.24777	1.00000
ALCOHOL	-.27226	-.27721	-.22306	-.26670	.19871	.46789
GENDEL	-.32060	-.34387	-.19270	-.33576	.31649	.56156
SUICIDE	-.21945	-.19150	-.12110	-.15290	.27193	.29384
PHYSWPR	-.16723	-.15327	-.04272	-.11476	.17924	.09705
FAMILYC	-.11755	-.10540	-.11065	-.12444	.24761	.19340
RAGE	-.21908	-.23639	-.04707	-.12210	.24250	.16782
DEPRESS	-.21013	-.24169	-.07392	-.12269	.30226	.09706
AFFECTD	-.05329	-.05934	.04409	-.04150	.14615	.05325
SELFR	.10340	.04907	.08357	.02562	-.15730	.05791
GUILT	.02134	.03149	.17632	.09715	.12361	.01252
CLASSES	.43210	.45971	.15757	.21836	-.25654	-.19080
AVALD	-.14692	-.22246	-.13598	-.27875	.10220	.41226
COLLO	.30311	.31550	.11644	.13370	-.30274	-.17741
SMOKE	-.24344	-.34423	-.22615	-.33379	.29452	.56211
FB	.27945	.37294	.22263	.41010	-.27337	-.23167
CB	.06799	.74982	.53151	.56750	-.25535	-.36100
PSTRESS	-.24551	-.22133	-.10769	-.19244	.26796	.24462
ESTRESS	-.21413	-.22982	-.06826	-.14329	.37624	.15878
BONDING	.53519	.64174	.43372	.56793	-.31142	-.34246
STRESS	-.26420	-.25717	-.10073	-.19470	.34507	.24772
DELBEH	-.32080	-.43520	-.26191	-.38377	.55514	.76422
DX31	-.09271	-.05570	.02452	.05254	.09047	-.00424
DX32	.02246	-.00543	.05209	.02046	-.00770	-.04226
DX33	.02064	.00472	.00226	-.02145	-.01916	.03344
DX34	.05535	.05101	-.04519	-.02522	-.00997	-.03490
DX71	-.00595	.00295	.01164	-.01042	-.03090	-.03015
DX72	.05974	.04473	.04942	.03583	-.07169	-.05105
DX73	.01923	.01125	-.02811	-.00958	-.01232	.03558
DX74	-.04903	-.05205	-.03553	-.02534	-.00160	.01315
DX-2OR3	.03412	.04265	-.01379	.01364	-.04093	-.00472
DX74	-.03382	-.04415	.00727	-.01177	.05111	.01705
DX761	.04323	.12142	.04155	.11708	-.06732	-.02057
DX752	.25982	.21449	.11732	.11190	-.21441	-.20922
DX753	-.12392	-.20281	-.09111	-.15158	.22290	.16167
DX1751	-.09344	-.11591	-.04390	-.07764	.09992	.07370
DX1752	.10951	.11131	.09226	.09644	-.14750	-.06299
DX1753	-.02366	-.01623	-.02305	-.04102	.09420	.05376
DX1754	-.04622	-.07306	-.04305	.00031	.07149	.01931
DX1761	-.04562	.00046	-.02333	.01591	.07650	-.04789
DX1762	-.02595	-.02741	-.04507	-.05558	.04520	.03546
DX1763	-.04357	-.07367	-.09204	-.03036	.08405	.07947
DX1764	.03616	.03947	-.01327	-.00931	-.06092	-.02306
X15	.00896	.03473	-.07199	-.11759	-.09549	.20659
X55	-.09296	-.15306	-.11752	-.10952	.06463	.28777
BONDS	.52565	.67563	.43262	.56905	-.31152	-.33675
STRES	-.25079	-.25129	-.09269	-.18720	.34216	.25515
DELBEHS	-.31607	-.38655	-.24663	-.37151	.52818	.79681
MX55	-.19011	-.24072	-.14523	-.25909	.17045	.37276
MX1X55S	-.01707	-.01216	-.03755	-.11799	.05545	.25696
MX1X5SD	-.07257	-.10381	-.12263	-.20741	.14975	.54106
MXSD	-.34364	-.39747	-.22625	-.35551	.54007	.67279
SF	-.20067	-.25332	-.16596	-.27952	.16920	.49520
SXFEM	-.17079	-.19357	-.15922	-.16978	.17114	.39670
SXABC	-.22245	-.24403	-.17121	-.24875	.20775	.48760

	ALCOHOL	GENDEL	SUICIDE	PHYSWPR	FAMILYC	RAGE
X1	.10652	.17146	.03916	.00133	-.03500	-.04524
X2	-.12477	-.30839	-.00832	.09955	-.07726	-.11949
X4	.08293	.09917	.09064	.04130	.09856	.06232
X5	.28405	.33976	.17364	.01810	.09072	.10632
X6	-.01421	.10440	.04494	.03510	.05702	.09171
PARCDC	-.19642	-.29616	-.30128	-.24549	-.15526	-.30591
PARACC	-.20410	-.33252	-.36367	-.24708	-.25218	-.28476
PARCONG	-.10117	-.20852	-.21572	-.17414	-.32987	-.15221
FAITH	-.10816	-.17246	-.14201	-.27251	-.02794	-.27355
POLICEP	-.31630	-.39051	-.22920	-.11221	-.13790	-.17772
CHURCHP	-.24366	-.27752	-.19694	-.09716	-.09292	-.14553
MINSTRP	-.15409	-.18380	-.11946	-.06309	-.09031	-.05264
SCHOOLP	-.20928	-.32060	-.21945	-.16723	-.11755	-.21908
TEACHRP	-.29701	-.36387	-.19150	-.15327	-.10540	-.23639
RELGITY	-.22306	-.19270	-.12110	-.04272	-.11065	-.04707
AUTH	-.26630	-.33576	-.15290	-.11476	-.12444	-.12210
DELSC	.19871	.31649	.27193	.17924	.24761	.24250
DRUGS	.46789	.56156	.29384	.09705	.19340	.16782
ALCOHOL	1.00000	.50052	.24777	.07312	.14639	.25190
GENDEL	.50052	1.00000	.35161	.11624	.26356	.41276
SUICIDE	.24777	.35161	1.00000	.22900	.29722	.43727
PHYSWPR	.07318	.11624	.22900	1.00000	.12729	.23492
FAMILYC	.14639	.26356	.29722	.12729	1.00000	.19790
RAGE	.25190	.41276	.43727	.23492	.19790	1.00000
DEPRESS	.14007	.19649	.42705	.30621	.20034	.45149
AFFECTD	.09231	.09003	.27119	.19658	.10788	.29190
SELFR	.09571	.03871	-.09324	-.23699	-.04343	-.05300
GUILT	.01107	.10046	.24016	.16400	.12738	.47189
CLASSES	-.21227	-.35671	-.21724	-.17300	-.15236	-.20729
AVALD	.35897	.40452	.19762	.02321	.11371	.15491
COLLO	-.13179	-.26953	-.21135	-.13079	-.22616	-.15652
SMOKE	.49306	.51081	.28414	.11505	.19276	.25592
FB	-.19875	-.33345	-.35092	-.26316	-.30453	-.29969
CB	-.35058	-.42794	-.27250	-.17122	-.15370	-.23326
PSTRESS	.19808	.30501	.81562	.74699	.27762	.43670
ESTRESS	.23700	.35072	.51773	.31147	.55498	.77665
BONDING	-.31610	-.44204	-.36896	-.26165	-.27489	-.31304
STRESS	.24198	.37570	.76333	.60940	.47221	.64845
DELBEH	.74976	.76261	.39537	.11198	.28758	.35843
DX31	.02812	.04318	.07322	.03579	.09174	.06201
DX32	-.04729	.01236	-.00540	.00797	-.01289	-.01376
DX33	.01179	.01000	-.04297	.07240	-.00487	.01512
DX34	-.03398	-.11023	-.06617	-.06504	-.09062	-.07393
DX71	.02424	-.03316	.07095	-.00790	.00749	-.00747
DX72	-.02243	-.07484	-.04278	-.03885	-.02936	.01590
DX73	-.01229	.02171	-.00129	.01109	-.02065	-.05071
DX74	.00992	.02531	.01307	-.01320	.00911	.01564
DX-2OR3	-.00376	-.01027	-.01944	-.02192	.01197	.01548
DX74	-.00503	.02376	.00933	.02635	-.01285	-.01097
DX761	-.05658	-.05645	-.04744	-.02998	-.04494	-.05503
DX752	-.16590	-.28254	-.16197	-.10179	-.16911	-.15552
DX753	.16695	.22560	.09945	.08072	.13791	.12217
DX1751	.11277	.14412	.15251	.05340	.09068	.08716
DX1752	-.04215	-.10597	-.12003	-.02705	-.10630	-.07467
DX1753	.04941	.04576	.04006	-.03119	.15142	.04952
DX1754	.02773	.05641	.07579	-.00913	.09098	.02575
DX1761	-.04194	-.04013	.02916	-.01359	.00491	.01315
DX1762	.04028	.04948	.07653	.00005	.05975	.04379
DX1763	.06729	.04097	.04497	.01006	.12223	-.00111
DX1764	-.03530	-.02763	-.05783	.04449	-.08981	-.03432
X15	.10126	.15698	.02757	.00320	-.03829	-.05531
X55	.25513	.31425	.17179	.01955	.10134	.10444
BONDS	-.31358	-.43586	-.36126	-.24525	-.27292	-.31478
STRES	.24736	.37483	.78574	.57759	.47701	.63478
DELBEHS	.72594	.75792	.38394	.12292	.23129	.34026
MX55	.37146	.47395	.45509	.25111	.26489	.37739
MX1X55S	.19946	.27393	.24476	.17006	.10013	.13305
MX1X5SD	.47479	.45002	.17376	.01172	.09161	.11545
MXSD	.64474	.71730	.63997	.35107	.43272	.53577
SF	.47955	.57604	.27469	.06672	.16275	.25562
SXFEM	.34526	.48110	.23168	.05231	.16205	.19771
SXABC	.43406	.57051	.26491	.07959	.20016	.24938

Table B.8--Pearson Correlations for All Subjects (continued).

	DEPRESS	AFFECTD	SELFR	GUILT	CLASSES	AVALD	COLLO	SMOKE	FB	CB	PSTRESS	ESTRESS
X1	-.01446	.08022	.00894	-.03327	-.05498	.36656	.00474	.12265	-.07456	-.07092	.02740	-.00415
X2	.03512	.12581	-.02456	.03944	.14614	-.04566	.04695	-.00924	-.00166	-.04244	.05352	-.01344
X4	.09722	-.00473	-.09131	-.03869	-.15347	.00169	-.23757	.09633	-.12205	-.21205	.09614	.09056
X5	.03773	.03311	.15023	.01494	-.10547	.39903	-.09808	.37421	-.16757	-.21976	.12075	.11564
X6	.10272	.06655	-.04014	.09526	-.03839	-.03112	-.13877	.06117	-.06536	-.05206	.05140	.11663
PARCDC	-.45150	-.33512	.16442	-.11952	.27509	-.15463	.22863	-.27478	.84543	.40349	-.35135	-.44389
PARACC	-.47244	-.27466	.24031	-.08902	.34757	-.11382	.34371	-.29432	.67344	.46432	-.39397	-.44303
PARCONG	-.29065	-.17742	.12945	-.09055	.40608	-.11259	.20088	-.14972	.77911	.36679	-.25212	-.34523
FAITH	-.21953	-.09031	.08411	-.03456	.17233	-.12503	.03754	-.10466	.27659	.33709	-.23470	-.19912
POLICEP	-.15362	-.07977	.05401	.07665	.31492	-.25972	.22747	-.40165	.36433	.69193	-.22600	-.19370
CHURCHP	-.15062	-.21072	.07412	.11599	.21949	-.10086	.18020	-.30223	.26359	.72113	-.19157	-.14553
MINSTRP	-.13132	.02891	.08799	.09277	.20374	-.11169	.13111	-.15177	.26943	.67974	-.11921	-.09346
SCHOOLP	-.21013	-.05079	.10340	.02134	.43210	-.14692	.30911	-.24344	.27645	.56798	-.24051	-.21613
TEACHERP	-.24167	-.05784	.04907	.03149	.46971	-.20246	.31650	-.34427	.37394	.73592	-.23123	-.22922
RELSITY	-.07652	.04479	.09357	.17632	.15757	-.17586	.11644	-.22615	.22653	.53161	-.10768	-.06326
AUTH	-.12269	-.04150	.02542	.08715	.21036	-.27375	.12830	-.33370	.41010	.54756	-.19244	-.14829
DELSC	.30226	.14615	-.15730	.12361	-.25654	.10220	-.30274	.29462	-.27337	-.25675	.26796	.37324
DRUGS	.09706	.05325	.05791	.01252	-.19080	.41226	-.17741	.55211	-.23167	-.36100	.24462	.19378
ALCOHOL	.14007	.09231	.09571	.01107	-.21227	.35897	-.13179	.49396	-.19875	-.35058	.18608	.27700
GENDEL	.19549	.09003	.03971	.16046	-.35671	.40452	-.24953	.51081	-.33345	-.42794	.30601	.35072
SUICIDE	.42705	.27119	-.09324	.26016	-.21724	.18742	-.21178	.28614	-.35092	-.27250	.31542	.51773
PHYSWPR	.30921	.19553	-.23699	.16400	-.17500	.02321	-.17209	.11508	-.26516	-.17122	.74997	.31147
FAMILYC	.20034	.10793	-.04343	.12778	-.15236	.11371	-.22636	.19276	-.30453	-.15370	.27762	.55498
RAGE	.45146	.29130	-.05500	.47199	-.20729	.15491	-.18452	.25692	-.29969	-.23826	.47672	.72665
DEPRESS	1.00000	.55700	-.29372	.32256	-.26260	.06474	-.26672	.20146	-.49477	-.25093	.47338	.78547
AFFECTD	.55700	1.00000	-.12652	.29353	-.06070	.03482	-.11733	.17028	-.32078	-.05298	.30112	.71318
SELFR	-.29372	-.13652	1.00000	-.07567	.17639	.13684	.27659	.01186	.21010	.10576	-.20422	-.17970
GUILT	.32256	.27353	-.07567	1.00000	.00629	.01111	-.06405	.04598	-.12253	.09500	.27426	.42219
CLASSES	-.26260	-.06070	.17639	.00629	1.00000	-.05951	.46322	-.38258	.32852	.44406	-.25341	-.24398
AVALD	.06404	.03482	.13584	.01111	-.05951	1.00000	-.04249	.36791	-.15598	-.25078	.14129	.17615
COLLO	-.26672	-.11733	.27659	-.06405	.46322	-.04249	1.00000	-.32802	.30492	.33263	-.22215	-.22599
SMOKE	.20146	.13323	.01186	.04593	-.28258	.36723	-.32802	1.00000	-.28474	-.41622	.26147	.28353
FB	-.44477	-.32073	.21010	-.12253	.32852	-.15508	.30492	-.28474	1.00000	.45642	-.39784	-.53759
CB	-.25093	-.05233	.10536	.09500	.44406	-.25318	.33263	-.41622	.45642	1.00000	-.28593	-.25100
PSTRESS	.47338	.30112	-.20492	.27426	-.25341	.14129	-.22215	.26147	-.39784	-.28593	1.00000	.53693
ESTRESS	.78547	.71313	-.17970	.42219	-.24398	.17615	-.22599	.28353	-.53757	-.25100	.53673	1.00000
BONDING	-.44428	-.23300	.18725	-.02493	.45945	-.23914	.32237	-.40587	.67304	.82645	-.40516	-.45575
STRESS	.71499	.57455	-.21920	.35580	-.26377	.15716	-.28920	.31063	-.51535	-.33715	.86102	.87215
DELBEH	.25732	.14325	.01402	.08947	-.35151	.44517	-.37105	.20619	-.35765	-.49558	.34303	.35002
DX31	.10540	.05642	-.11350	.01914	-.15657	.07916	-.31254	.06725	-.09911	-.05195	.07140	.11749
DX32	-.00520	-.00314	-.02536	.00242	.00991	-.02814	-.03313	-.00401	.01529	.01574	.00054	-.01469
DX33	.00116	-.00556	.02914	.00760	.01679	.00015	.07726	-.02168	.00501	.00092	-.00992	.00397
DX34	-.09349	-.05370	.06994	-.03717	.10295	-.02164	.21474	-.08928	.09256	.04923	-.08353	-.12222
DX71	.00224	.00016	.02767	-.01637	.02212	.03279	.01699	.00250	-.03296	.01251	.01626	.03084
DX72	-.05252	.00372	.03072	-.00139	.05772	-.02317	.04594	-.06963	.06224	.05693	-.05211	-.02046
DX73	-.01573	-.01452	.01546	-.02328	-.00950	.02333	.04357	-.00941	.02753	.00416	.03571	-.03724
DX74	.02946	-.01401	-.01937	.02373	-.05910	.03016	-.02924	.02023	-.03367	-.04101	.00104	.01402
DX52OR3	-.04966	-.05440	.02495	-.02374	.01390	-.01017	.05146	-.01563	.06111	.07406	-.02619	-.02391
DX54	.04397	.05025	-.03339	.03541	-.02165	-.00308	-.05652	.01750	-.04996	-.04028	.02203	.02952
DX751	-.02214	-.03569	-.10410	-.02396	.07621	-.04571	.04057	-.10623	.06249	.09749	-.05000	-.04931
DX752	-.19953	-.09085	.17373	.00609	.07013	-.03011	.39555	-.24555	.21620	.25914	-.17026	-.21301
DX753	.15419	.06598	-.04497	.02055	-.24551	.03616	-.28591	.27235	-.18483	-.19423	.11664	.17414
DX1751	.05565	.05569	.01237	.03185	-.11272	.08715	-.20573	.19369	-.15762	-.11976	.14539	.11759
DX1752	-.12547	.00479	.12115	.00676	.17662	-.01518	.24010	-.12097	.12224	.11016	-.09764	-.10774
DX1753	.02396	-.02427	-.02173	-.01717	-.07541	.02314	-.05105	.05170	-.05209	-.05355	.02227	.08550
DX1754	.02509	-.03239	-.05189	-.02992	-.07475	-.00116	-.07590	.02450	-.07082	-.04377	.04097	.04004
DX1761	.04435	-.06419	-.09419	-.04496	-.05957	-.03514	-.05274	-.07558	-.01642	-.00769	.01173	-.00475
DX1762	.01568	-.01092	-.04156	-.01296	-.07343	.01714	-.04217	.04644	-.06344	-.06052	.05203	.03384
DX1763	.05001	.07001	-.00940	-.01166	-.07597	.02319	-.05642	.05078	-.10270	-.10729	.03773	.07348
DX1764	-.05103	-.00537	.02125	.00012	.07679	.01217	.05553	-.00253	.07334	.03193	-.01404	-.06517
X1S	-.03132	.07415	.01175	-.03729	-.04255	.37916	.02339	.10248	-.06290	-.06640	.02066	-.11368
X5S	.04061	.07224	.12625	.02194	-.02556	.35316	-.11270	.37708	-.16164	-.19900	.12335	.11374
BONDS	-.44443	-.23594	.19315	-.02349	.45464	-.22715	.36351	-.40226	.86623	.82491	-.40314	-.45703
STRES	.68579	.55414	-.20306	.37970	-.27651	.15919	-.28125	.30925	-.50603	-.30065	.88317	.85321
DELBEHS	.23185	.13445	.01521	.07456	-.37715	.43144	-.31692	.77190	-.37437	-.47326	.33395	.35536
MASS	.30027	.28307	.04990	.15595	-.19611	.39011	-.19922	.44110	-.34187	-.30009	.45917	.43113
MX1X5S	.12545	.19509	.07211	.05714	-.07710	.39970	-.04662	.26534	-.06065	-.06529	.24837	.20164
MX1X5BD	.03552	.07003	.11297	.02287	-.11159	.47865	-.10849	.53381	-.07852	-.17791	.12505	.11174
MXSD	.47728	.33993	-.07496	.22684	-.37294	.35332	-.36045	.71013	-.47287	-.49013	.64353	.64574
SC	.11341	.12557	.15697	.10778	-.21904	.48641	-.19490	.51942	-.22646	-.32698	.22632	.24329
SAPEM	.07256	.02759	.05123	.04550	-.21595	.25370	-.19754	.32235	-.15766	-.26534	.13652	.16334
SA83C	.11451	.09783	.07776	.08446	-.27631	.41613	-.26900	.47898	-.23092	-.32678	.22732	.24221

Table B.8--Pearson Correlations for All Subjects (continued).

	BONDING	STRESS	DELBEH	DX31	DX32	DX33	DX34	DX71	DX72	DX73	DX74	DX82OP3
X1	-.09548	.01356	.14197	.05622	-.00151	-.00607	-.06045	-.00793	.02115	.02531	-.01039	.00218
X2	.02224	.02376	-.15244	.04041	.00442	-.06584	.00896	.00756	.00247	-.01971	-.00318	-.06219
X4	-.19275	.10073	.11497	.09002	-.00844	-.02461	-.05336	-.01642	-.01478	-.02644	.04057	-.02149
X5	-.22019	.14007	.37787	.03629	-.07166	-.01610	-.02343	-.01375	-.02212	-.07403	.00851	.01155
X6	-.05942	.09409	.06386	.10574	-.01983	-.02926	-.06377	-.36971	-.19967	-.18908	.05561	-.20461
PARCDC	.75060	-.45545	-.32672	-.07596	.02390	-.00413	.05376	-.02738	.05716	.02404	-.02765	.07109
PARACC	.77970	-.49093	-.36947	-.10126	.02305	.00422	.07289	-.02109	.06910	.01579	-.04082	.08358
PARCONG	.63421	-.34036	-.20541	-.07133	-.00581	.01170	.09841	-.01088	.03198	.02570	-.03270	.00811
FAITH	.35754	-.24776	-.14545	-.00556	.02067	-.04001	.01915	-.02913	-.01079	-.00073	-.01231	-.04282
POLICEP	.60632	-.24249	-.47771	-.01806	.01256	-.00152	.04743	.03707	.03094	-.01393	.00562	.01356
CHURCHP	.57797	-.19271	-.34102	-.00627	.01002	.00115	.00818	.01374	.02493	.00256	-.02311	.00512
MINSTRP	.53607	-.12154	-.19461	-.01000	.01659	-.00277	.01156	-.00128	.01877	-.00478	-.02577	.02447
SCHOOLP	.53319	-.24420	-.32609	-.09271	.02246	.00064	.05835	-.00595	.05974	.01923	-.04903	.07412
TEACHRP	.64174	-.25717	-.40626	-.05530	-.00643	.00472	.05101	.00295	.06433	.00275	-.05005	.04265
RELGITY	.63372	-.10073	-.26151	.02452	.05209	.00226	-.04579	.01164	.04942	-.02211	-.03558	-.01379
AUTH	.56713	-.19476	-.38877	.05254	.02066	-.02145	-.02522	-.01042	.03653	-.00858	-.02534	.01164
DELSC	-.31142	.34507	.55514	.09047	-.00770	-.01916	-.09687	-.00380	-.07169	-.01272	-.00160	-.04393
DRUGS	-.34244	.24772	.76422	-.00424	-.04226	.03844	-.03490	-.03015	-.05103	.07658	.01615	-.00472
ALCOHOL	-.31610	.24193	.74976	.02812	-.04729	.01179	-.07398	.02424	-.02243	-.01429	.00992	-.00376
GENDEL	-.44294	.37530	.76261	.04318	.01236	.01000	-.11023	-.07316	-.07424	.02171	.02531	-.01027
SUICIDE	-.36096	.76373	.38937	.07322	-.00540	-.04207	-.04617	.07085	-.04270	-.00129	.01307	-.01744
PHYSWER	-.26165	.60960	.13193	.07979	.00707	.07260	-.06504	-.00790	-.07885	.01109	-.01320	-.02152
FAMILYC	-.27489	.47221	.29753	.09174	-.01289	-.00487	-.09062	.00749	-.02936	-.02065	.00911	.01197
RAGE	-.31604	.64840	.35343	.06201	-.01878	.01532	-.07393	-.00747	.01690	-.05071	.01464	.01548
DEPRESS	-.44428	.71409	.25732	.10540	-.00520	.00116	-.08349	.00224	-.05282	-.01578	.02948	-.04764
AFFECTD	-.27090	.57455	.14323	.06642	-.00314	-.00886	-.05330	.00014	.00372	-.01482	-.01401	-.05260
SELFR	.15928	-.21920	.01406	-.11850	-.02536	.02914	.06994	.02767	.03072	.01346	-.01877	.02295
GUILT	-.02493	.39590	.08947	.01914	.00242	.00760	-.03717	-.01637	-.00139	-.02328	.02373	-.02274
CLASSES	.45945	-.25377	-.35151	-.15667	.00991	.01809	.10235	.02212	.09772	-.00960	-.05970	.01380
AVALD	-.23914	.15715	.44957	.00966	-.07864	.00075	-.02194	.03219	-.02337	.02363	.03006	-.01037
COLLO	.37287	-.29920	-.33105	-.31254	-.07313	.07726	.27404	.01609	.06894	.04367	-.02824	.05146
SMOKE	-.40587	.31043	.80615	.06725	-.00401	-.02178	-.09929	.00250	-.06963	-.00941	.02023	-.01543
FB	.87304	-.51535	-.35755	-.09911	.01529	.00501	.09256	-.03206	.06224	.02758	-.03369	.06111
CB	.52365	-.30715	-.49552	-.05195	.01534	.00082	.04973	.01251	.05693	.00416	-.04101	.03406
PSTRESS	-.40616	.88102	.34303	.07340	[illegible]	-.00992	-.06353	.01026	-.05211	.00571	.00104	-.02518
ESTRESS	-.45535	.87215	.38002	.11749	-.01469	.00097	-.10922	.00084	-.02096	-.07774	.01402	-.02891
BONDING	1.00000	-.49089	-.49493	-.09046	.01797	.00359	.09402	-.01383	.07012	.01957	-.04715	.05592
STRESS	-.49089	1.00000	.41206	.10345	-.00793	-.00515	-.10974	.00990	-.04191	-.01757	.00847	-.07140
DELBEH	-.49493	.41206	1.00000	.06327	-.02615	.00325	-.09589	-.01450	-.07764	.00349	.01914	-.02101
DX31	-.09046	.10345	.06327	1.00000	-.47897	-.24584	-.29558	.07370	-.10955	-.05262	.01778	-.04507
DX32	.01797	-.00793	-.02615	-.47897	1.00000	-.24971	-.30024	.00352	.03499	-.00735	-.00957	-.01714
DX33	.00359	-.00515	.00325	-.24584	-.24971	1.00000	-.16314	-.01729	.06643	-.00071	-.01740	.01346
DX34	.09402	-.10974	-.09589	-.29558	-.30024	-.16314	1.00000	-.01634	.00690	.04795	.01347	.03501
DX71	-.01383	.00990	-.01450	.07370	.00352	-.01729	-.01634	1.00000	-.08902	-.09012	-.07798	-.04507
DX72	.07012	-.04191	-.07764	-.10955	.03499	.06643	.00690	-.08902	1.00000	-.35233	-.30446	.10582
DX73	.01957	-.01757	.00349	-.05268	-.00735	-.00071	.04795	-.09012	-.35233	1.00000	-.30622	.05576
DX74	-.04715	.00847	.01914	.01778	-.00957	-.01940	.01347	-.07798	-.30446	-.30622	1.00000	-.06271
DX82CR3	.05692	-.03140	-.02101	-.04507	-.01714	.01346	.03501	-.04507	.10582	.05576	-.06271	1.00000
DXR4	-.05332	.02933	.02727	.03402	.01395	-.00518	-.02999	-.31371	-.06732	-.04568	.02751	-.92037
DX751	.03597	-.05665	-.09944	.06250	-.02525	.01668	-.03876	.00589	-.00576	.01072	.01044	.02157
DX752	.27710	-.22099	-.30203	-.16646	.02122	.03014	.12264	.02240	.05709	.01195	-.04209	.01758
DX753	-.22198	.16414	.27712	.07396	.00990	-.02446	-.04957	-.03529	-.04317	-.00793	.01524	-.04290
DX1751	-.16424	.15926	.17542	.13199	.00567	-.05512	-.05030	.02931	-.03615	-.01292	-.01041	.00436
DX1752	.15552	-.11704	-.13077	-.13196	-.00224	.02704	.08204	-.02509	.07606	-.02726	-.00615	.00356
DX1753	-.06191	.06103	.09252	.01115	.00226	.01257	-.04076	.01022	-.00645	.00547	-.01000	.02315
DX1754	-.03674	.04917	.05275	.03352	.00833	-.01196	-.01213	-.01023	-.02569	.02601	-.00110	-.00947
DX1761	-.01462	.00416	-.04540	.00589	.02562	.00501	.00539	.01723	.01756	.03127	-.03212	-.01771
DX1762	-.07283	.05195	.05935	-.00930	.01632	.00976	-.02429	.02919	.02336	-.02583	-.02232	.01322
DX1763	-.12274	.06319	.09076	-.00671	-.01864	.05565	-.02921	-.01629	.01607	-.01627	.01763	.03977
DX1764	.03329	-.04469	-.04049	-.01561	.00403	-.02979	.06244	-.00942	-.02189	-.00238	.03793	-.01111
X1S	-.07680	.00429	.12384	.05294	-.00457	-.00456	-.08454	-.00706	.02204	.02684	-.01440	.01028
X5S	-.21053	[illegible]	.34593	.04668	-.07214	-.02021	-.02391	-.01507	-.01598	-.07023	.00112	.01333
BONDS	.99369	-.49005	-.49027	-.09166	.01732	.00240	.08513	-.00888	.07590	.02104	-.04960	[illegible]
STRES	-.48149	.99062	.41426	.10462	-.01621	-.00354	-.09991	.01156	-.04057	-.01158	.00332	-.03105
DELBEHS	-.40615	.39294	.98217	.05570	-.02957	.01054	-.08764	-.01752	-.07196	.01302	.01641	-.01356
MXSS	-.37026	.50005	.48094	.07206	-.03027	-.01322	-.06083	-.01567	-.03335	-.03123	.00794	-.00972
MX1X53S	-.05023	.25711	.28112	.06012	-.12447	-.00921	-.04576	[illegible]	[illegible]	-.00903	-.01971	.01535
MX1X55D	-.14641	.13515	.57277	.04704	-.02717	-.00425	-.08213	-.02912	-.00753	.01046	-.01805	.02239
MXSD	-.55374	.77527	.90144	.09549	-.02470	.00407	-.10946	-.00932	-.06910	.00169	.01724	-.02578
SD	-.32036	.26599	.61101	.09422	-.07560	-.01055	-.08623	-.01312	-.07579	-.00577	.01609	.00121
SXREH	-.24379	.22373	.46063	.09035	-.01999	-.02180	-.07096	.00793	-.06516	.03464	-.00456	-.00795
SXABC	-.32321	.26765	.59101	.10448	-.07429	.00189	-.09498	.00899	-.07146	-.01612	.01425	-.01350

Table B.8--Pearson Correlations for All Subjects (continued).

	DX84	DX761	DX762	DX763	DX1751	DX1752
X1	.00047	.10597	-.05443	-.01823	-.01274	.03822
X2	.05609	-.02626	.13709	-.09229	.09881	.04967
X4	.02511	-.00640	-.11684	.07570	.09373	-.09264
X5	-.00239	-.02920	-.09557	.08556	.04005	-.02276
X6	.33395	-.05360	-.04097	.04164	.04396	-.03516
PARCDC	-.06058	.05451	.18973	-.17255	-.14178	.12387
PARACC	-.07285	.06393	.24561	-.19979	-.14977	.13200
PARCONG	.00067	.07891	.11309	-.09628	-.10206	.07077
FAITH	.04912	-.01769	.07133	.00537	-.00705	.03493
POLICEP	-.03079	.05920	.17560	-.15711	-.09411	.08987
CHURCHP	-.01035	.03791	.14129	-.10975	-.06624	.07364
MINSTRP	-.02401	.01727	.11571	-.08345	-.05194	.07352
SCHOOLP	-.03382	.04323	.25592	-.12392	-.09644	.10951
TEACHRP	-.04416	.12142	.21449	-.20251	-.11581	.11171
RELGITY	.00727	.04145	.11732	-.09111	-.04390	.07226
AUTH	-.01177	.11703	.11190	-.15198	-.07764	.08544
DELSC	.05111	-.06732	-.21441	.22290	.09982	-.14750
DRUGS	.01705	-.02057	-.20922	.16167	.07970	-.06299
ALCOHOL	-.00503	-.05653	-.16590	.16695	.11277	-.04215
GENDEL	.02376	-.06645	-.28254	.22540	.14412	-.10697
SUICIDE	.00936	-.04744	-.16187	.09845	.15851	-.12003
PHYSHER	.02675	-.02983	-.10139	.08072	.06340	-.02705
FAMILYC	-.01255	-.04494	-.16911	.13751	.09068	-.10570
RAGE	-.01097	-.05503	-.15652	.12217	.05736	-.07467
DEPRESS	.04397	-.02214	-.19953	.15419	.09665	-.12647
AFFECTD	.05525	-.02967	-.08055	.06896	.08069	.00429
SELFR	-.03338	-.12410	.17378	-.04497	.01237	.12115
GUILT	.03561	-.02396	.20609	.02095	.07185	.00576
CLASSES	-.02165	.07621	.33013	-.24551	-.11272	.13662
AVALD	-.00008	-.04541	-.08051	.08676	.08735	-.01698
COLLO	-.05552	.04057	.39555	-.28591	-.20573	.26010
SMOKE	.01760	-.10623	-.24555	.23235	.19369	-.12087
FB	-.04996	.06249	.21620	-.18493	-.15762	.13924
CB	-.04025	.09749	.25914	-.19423	-.11976	.13576
PSTRESS	.02203	-.05000	-.17025	.11464	.14539	-.09764
FSTRESS	.02952	-.04931	-.21801	.17416	.11759	-.10774
BONDING	-.05332	.01697	.27710	-.22198	-.16424	.15552
STRESS	.02933	-.05665	-.22029	.16414	.15226	-.11704
DELBEH	.02727	-.09764	-.30209	.27712	.17542	-.13077
DX31	.03402	.06250	-.16646	.07396	.13199	-.13196
DX32	.01385	-.02525	.02122	.00990	.00567	-.00224
DX33	-.00515	.01663	.03014	-.02446	-.05512	.02794
DX34	-.02999	-.03576	.12254	-.04957	-.08030	.02204
DX71	-.31371	.07599	.02240	-.03529	.02931	-.02509
DX72	-.06732	-.02576	.05709	-.04317	-.07615	.07506
DX73	-.04505	.01072	.01155	-.00793	-.01282	-.02726
DX74	.05751	.01044	-.04209	.01524	-.01041	-.00515
DX42OR3	-.92037	.02157	.03753	-.04250	.00436	.00076
DX84	1.00000	-.02195	-.04663	.05538	-.01086	.00641
DX761	-.02165	1.00000	-.49193	-.24576	-.04213	.00081
DX762	-.04663	-.49193	1.00000	-.50009	-.11472	.14920
DX763	.05538	-.24572	-.50009	1.00000	.07085	-.08229
DX1751	-.01056	-.04213	-.11472	.07095	1.00000	-.35154
DX1752	.00641	.00091	.14920	-.08229	-.35154	1.00000
DX1753	-.03342	-.01147	-.06609	.07656	-.06658	-.13860
DX1754	.01005	-.00030	-.06316	.02490	-.10911	-.22711
DX1761	.01118	.00693	-.01574	.01798	-.12787	-.26373
DX1762	-.02315	.00291	-.02524	-.01709	-.00472	-.03746
DX1763	-.03553	-.01797	-.05579	.04367	.01964	-.04333
DX1764	.01660	.04013	.01653	-.03009	.00732	.20069
X1S	-.00796	.10496	-.24445	-.02173	-.02255	.04403
X5S	-.00521	-.01547	-.10309	.07891	.09103	-.04518
BONDS	-.05715	.09357	.27235	-.22872	-.15691	.15510
STRES	.02770	-.05490	-.22198	.15576	.15374	-.12076
DELBEHS	.02136	-.07422	-.29473	.25505	.16971	-.12421
MX5S	.01790	-.03551	-.17146	.13265	.28697	-.06950
MX1X5BS	-.00544	.04393	-.09541	.04521	.15214	.01061
MX1X5BD	-.00676	.01140	-.14330	.11809	.15558	-.01923
MXSD	.03015	-.09795	-.31112	.25902	.10473	-.14546
SB	.00523	-.06205	-.18195	.15800	.25058	-.07806
SXFEH	.00515	-.02191	-.17102	.13559	.16122	-.11003
SXABC	.01585	-.04719	-.22331	.17396	.19156	-.11077

	DX1753	DX1754	DX1761	DX1762	DX1763	DX1764
X1	.00076	-.05646	-.03774	.00618	-.00513	.04999
X2	-.08127	-.11256	-.13520	-.05574	-.03780	.09165
X4	.02003	.03388	.05777	.01171	.02209	-.01958
X5	-.01078	-.07119	-.15190	-.01250	.03455	.04389
X6	-.03406	.02404	-.02559	-.01521	-.01264	-.01391
PARCDC	-.02868	-.01714	-.00592	-.04914	-.09090	.03456
PARACC	-.06740	-.02193	-.01755	-.05564	-.10776	.03553
PARCONG	-.03769	-.01342	-.01792	-.05113	-.06698	.01653
FAITH	-.02919	.01745	-.03909	-.03054	-.04278	.00433
POLICEP	-.07315	-.03045	.02814	-.05647	-.09125	.01994
CHURCHP	-.04522	-.03244	.00613	-.05345	-.05722	.00231
MINSTRP	-.07054	-.03568	-.01456	-.04377	-.08018	.01527
SCHOOLP	-.02346	-.04672	-.04542	-.03075	-.04397	.03516
TEACHRP	-.01328	-.07308	.00066	-.02741	-.07367	.03947
RELGITY	-.08308	-.04308	-.02838	-.04507	-.02204	-.01327
AUTH	-.06102	.00031	.01591	-.05358	-.03038	-.00931
DELSC	.09430	.07149	.03660	.04520	.05405	-.06092
DRUGS	.08326	.01971	-.04789	.03546	.07947	-.02350
ALCOHOL	.04961	.02703	-.04194	.04028	.06729	-.03580
GENDEL	.06576	.05641	-.04013	.04448	.04097	-.02763
SUICIDE	.05006	.07579	.02916	.07853	.04497	-.05755
PHYSHER	-.03119	-.00213	-.01359	.00005	.01206	.04249
FAMILYC	.18368	.09088	.00491	.05575	.12223	-.09231
RAGE	.04952	.02675	.00535	.04079	-.00111	-.03432
DEPRESS	.02396	.02509	.04435	.01668	.05001	-.05103
AFFECTD	-.02427	-.07200	-.06419	-.01092	.03091	-.00507
SELFR	-.02178	-.05189	-.09419	-.04196	-.00960	.02126
GUILT	-.01717	-.02992	-.04486	-.01496	-.01168	.00012
CLASSES	-.05561	-.03475	-.05857	-.07643	-.07597	.03579
AVALD	.02324	-.00176	-.05114	.01724	.02349	.01277
COLLO	-.05105	-.07590	-.05274	-.04217	-.05642	.05563
SMOKE	.05170	.02450	-.07658	.04644	.05078	-.00253
FB	-.05239	-.02052	-.01662	-.06344	-.10230	.07314
CB	-.05355	-.04337	-.00759	-.04052	-.10729	.03193
PSTRESS	.07227	.04607	.01173	.05203	.03773	-.01404
FSTRESS	.08580	.04004	-.00475	.03894	.07369	-.06517
BONDING	-.04121	-.07674	-.01462	-.07293	-.12274	.03329
STRESS	.06103	.04917	.00414	.05195	.06319	-.04469
DELBEH	.09252	.05275	-.04840	.05975	.08076	-.04049
DX31	.01115	.03352	.00589	-.00630	-.00671	-.01551
DX32	.00226	.00583	.02562	.01532	-.01864	.00603
DX33	.01257	-.01196	.00801	.00976	.05565	-.02979
DX34	-.04076	-.01213	.00539	-.02479	-.02921	.04244
DX71	.01622	-.00123	.01723	.02919	-.01629	-.00942
DX72	-.00645	-.02569	.01756	.02376	.01607	-.02189
DX73	.00547	.02501	.03127	-.02593	-.01227	-.00238
DX74	-.01000	-.00110	-.03212	-.02232	.01763	.03793
DX42OR3	.02915	-.00943	-.01771	.01322	.03277	-.01111
DX84	-.03342	.01005	.01115	-.02319	-.03553	.01560
DX761	-.01147	-.00030	.00698	.00291	-.01797	.04018
DX762	-.06609	-.06316	-.01574	-.03524	-.05579	.01558
DX763	.07656	.02490	.01798	-.01709	.04367	-.03009
DX1751	-.06658	-.10911	-.12787	-.00472	.02964	.00732
DX1752	-.13860	-.22711	-.26373	-.03766	-.04333	.20069
DX1753	1.00000	-.04302	-.04307	.02272	.19054	-.05378
DX1754	-.04302	1.00000	.45421	.02529	-.00557	-.23378
DX1761	-.04307	.45421	1.00000	-.09142	-.11564	-.42354
DX1762	.02272	.02529	-.09142	1.00000	-.05761	-.21577
DX1763	.10064	-.00587	-.11564	-.05761	1.00000	-.27519
DX1764	-.05379	-.27878	-.42054	-.21677	-.27419	1.00000
X1S	-.00347	-.05707	-.03108	.00246	-.00920	.04702
X5S	-.01237	-.05992	-.14273	-.00661	.03673	.04090
BONDS	-.06267	-.07523	-.01567	-.07146	-.12296	.03560
STRES	.06042	.05495	.00640	.05918	.05646	-.04937
DELBEHS	.09188	.05136	-.04312	.05746	.07176	-.04174
MX5S	.00576	-.04239	-.12511	.01734	.04901	.02366
MX1X5BS	-.00170	-.07480	-.11245	-.01045	.00281	.06373
MX1X5BD	.02584	-.04737	-.11142	-.00539	.02695	.05379
MXSD	.00385	[illegible]	[illegible]	.07164	.09145	-.05356
SB	.02559	-.01601	-.13729	.07172	.03474	.02398
SXFEH	.07532	.05998	-.02691	.03014	.03186	-.02841
SXABC	.05096	.04008	-.07603	.03520	.03948	-.00797

Table B.8--Pearson Correlations for All Subjects (continued).

	X1S	X5S	BONDS	STRES	DELBEHS	MX5S	MX1X5BS	MX1X5BD	MXSD	SB	SXBEH	SXABC
X1	.98030	.35139	-.09032	.01220	.14044	.32349	.72816	.65473	[illegible]	.33233	.13127	.24176
X2	-.01286	.07732	.02214	.02414	-.15670	.06920	.07556	-.01395	-.10118	-.04746	-.15269	-.14367
X4	-.04472	.03227	-.18959	.10199	.10961	.05240	-.03055	-.00137	.12436	.07404	.14146	.12047
X5	.37646	.97634	-.21591	.14319	.35026	.90322	.79832	.77330	.32641	.64320	.28098	.45442
X6	-.00241	.05450	-.07645	.08978	.06094	.08084	.03714	.07378	.08901	.06074	.03180	.06039
PARCDC	-.05623	-.14590	.74872	-.44431	-.29952	-.30543	-.07955	-.09103	-.41793	-.21559	-.12979	-.20267
PARACC	.01734	-.12334	.76654	-.48969	-.35094	-.29543	-.01649	-.03889	-.47584	-.19982	-.16223	-.21393
PARCONG	-.09703	-.12616	.63041	-.33212	-.19358	-.24471	-.09914	-.04707	-.29389	-.14675	-.10527	-.15438
FAITH	-.10745	-.05832	.35764	-.24148	-.14145	-.14905	-.09854	-.08112	-.20643	-.11434	-.07993	-.05995
POLICEP	-.10476	-.20415	.60269	-.23744	-.46616	-.27534	-.10733	-.22511	-.44558	-.30454	-.21478	-.27705
CHURCHP	-.09056	-.15191	.57915	-.19907	-.32559	-.21373	-.06677	-.15157	-.32235	-.24094	-.20527	-.24506
MINSTRP	-.09425	-.10172	.54057	-.11571	-.17359	-.13525	-.07162	-.07737	-.18101	-.13950	-.13498	-.15135
SCHOOLP	.00856	-.09255	.52963	-.25879	-.31607	-.19011	-.01707	-.07257	-.34364	-.20547	-.17679	-.22445
TEACHRP	.03475	-.15396	.63668	-.25393	-.30655	-.24032	-.07216	-.10391	-.39747	-.25392	-.19357	-.24403
RELGITY	-.07198	-.11759	.43262	-.09868	-.24663	-.14523	-.07755	-.12265	-.22625	-.16396	-.15922	-.17121
AUTH	-.11755	-.19552	.56995	-.18720	-.37151	-.25990	-.11799	-.20741	-.35551	-.27952	-.16978	-.24375
DELSC	-.03549	.06443	-.31152	.34216	.52518	.17942	.00548	.14975	.54807	.16420	.17114	.20775
DRUGS	.20655	.29777	-.33675	.25515	.70691	.37275	.29691	.54108	.67279	.49520	.36670	.45760
ALCOHOL	.10126	.25513	-.31358	.24736	.72894	.33146	.19946	.43439	.64474	.47965	.34504	.43406
GENDEL	.15613	.31425	-.43596	.37493	.75792	.43385	.27883	.44002	.71730	.57604	.42110	.57051
SUICIDE	.02757	.17179	-.36126	.78574	.35394	.45509	.24476	.17378	.63997	.27469	.27168	.26491
PHYSWOR	.00320	.01955	-.26525	.55759	.12292	.25111	.13806	.01172	.35107	.06072	.05271	.07959
FAMILYC	-.03529	.10344	-.27292	.47901	.26129	.26489	.10013	.08161	.43022	.16235	.16205	.20016
PAGE	-.05531	.10444	-.31472	.63478	.34006	.37779	.17605	.11566	.53577	.25442	.19771	.24972
DEPRESS	-.03172	.24041	-.44943	.69879	.47185	.30023	.12545	.03555	.47728	.11361	.07256	.11451
AFFECTD	.07415	.07226	-.23594	.55414	.12465	.24307	.18908	.07007	.37993	.12557	.02759	.09753
SELFR	.01175	.13025	.19315	-.20906	.01521	.04990	.07911	.11297	-.07496	.15627	.05123	.07776
GUILT	-.03728	.02194	-.02549	.37900	.07456	.15595	.09716	.02287	.22694	.10778	.04550	.08446
CLASSES	-.04265	-.09355	.45464	-.27661	-.37715	-.19611	-.05936	-.11359	-.37284	-.21704	-.21595	-.22531
AVALD	.33976	.35365	-.23755	.15929	.43144	.39011	.39970	.47865	.38372	.42641	.25370	.41513
COLLD	.02339	-.11270	.36851	-.29125	-.31692	-.19972	-.04622	-.10849	-.36048	-.19490	-.19754	-.26350
SACKF	.10248	.33973	-.40226	.30925	.77190	.44110	.26634	.50381	.71013	.51942	.32335	.47395
FB	-.06290	-.16164	.86623	-.50603	-.33437	-.34187	-.09055	-.07652	-.47287	-.22648	-.15758	-.23052
CB	-.06340	-.19990	.82491	-.30065	-.47326	-.30309	-.06529	-.17791	-.46013	-.32066	-.26534	-.32576
PSTRESS	.02064	.12635	-.40314	.88317	.37795	.45917	.24837	.12505	.64353	.22072	.18252	.22772
FSTRESS	-.01364	.11574	-.45703	.35321	.38530	.43112	.20154	.11174	.64674	.24029	.16374	.24221
BONDING	-.07080	-.21053	.99369	-.48149	-.46815	-.37324	-.08623	-.14641	-.55874	-.32078	-.24379	-.32321
STRESS	.00429	.14290	-.49009	.99062	.39294	.50805	.25711	.13518	.73587	.24569	.20373	.26745
DELBEH	.12384	.34593	-.49007	.41424	.99217	.49084	.28112	.57277	.90164	.61101	.46063	.59101
DX31	.05294	.04665	-.09166	.10472	.05570	.07206	.06012	.04704	.08549	.02472	.09035	.10448
DX32	-.00457	-.01214	.01732	-.01621	-.02957	-.03021	-.02447	-.02717	-.02490	-.03360	-.01929	-.07429
DX33	-.00456	-.02021	.00260	-.00354	.01054	-.01822	-.00921	-.00425	.00407	-.01055	-.02190	.00189
DX34	-.05454	-.02391	.08513	-.09901	-.09774	-.06051	-.04839	-.05213	-.10946	-.08623	-.07086	-.06458
DX71	-.00706	-.01527	-.00098	.01156	-.01752	-.01567	-.01986	-.02912	-.00972	-.01312	.00793	-.00399
DX72	.02204	-.01593	.07590	-.04057	-.07196	-.07376	.00349	-.07598	-.06910	-.07579	-.06516	-.07146
DX73	.02084	-.03023	.02104	-.01155	.01202	-.03123	-.00073	.01046	.00168	-.03577	-.03444	-.01512
DX74	-.01440	.00112	-.04940	.00372	.01641	.00794	-.01671	-.01505	.01724	.01609	-.00456	.01425
DX52OR3	.01019	.01373	-.05140	-.03105	-.01396	-.00972	.01635	-.02299	-.02573	.00121	-.00795	-.01350
DX54	-.00726	-.00521	-.05719	.02770	.02136	.01790	-.00544	-.00576	.03015	.00523	.00515	.01545
DX751	.12456	-.01647	.08857	-.05490	-.07422	-.03351	.04393	.01140	-.08785	-.04205	-.02181	-.04719
DX752	-.04045	-.12379	.27235	-.22198	-.29473	-.17146	-.09541	-.14330	-.31112	-.13195	-.17102	-.23371
DX753	-.02173	.07691	-.22832	.15876	.25505	.13205	.04571	.11509	.25906	.15600	.12589	.17396
DX1751	-.02255	.22193	-.15691	.15374	.16971	.28507	.15214	.15558	.19673	.25098	.15122	.19156
DX1752	.04493	-.04515	.15510	-.12036	-.12421	-.06950	.01061	-.01923	-.14546	-.07506	-.11003	-.11077
DX1753	-.00347	-.01237	-.06267	.06042	.05198	.00576	-.00170	.02584	.09335	.02559	.03532	.05096
DX1754	-.05707	-.06792	-.03523	.05495	.05136	-.04239	-.07499	-.04737	.06275	-.01691	.06798	.04008
DX1761	-.03109	-.14273	-.01567	.00640	-.04312	-.12511	-.11245	-.11142	-.03444	-.13729	-.02691	-.07508
DX1762	.00266	-.00541	-.07146	.05918	.05760	.01774	-.01045	-.07579	.07164	.02122	.02014	.07520
DX1763	-.00920	.07673	-.12296	.05646	.07176	.04901	.00291	.02595	.08145	.03434	.03186	.07945
DX1764	.04702	.04070	.03660	-.04977	-.04174	.02366	.06393	.05079	-.05056	.07698	-.02341	-.00797
X1S	1.00000	.34501	-.08215	.00206	.12405	.30826	.72836	.65509	.08255	.32305	.12789	.23199
X5S	.34501	1.00000	-.20495	.14577	.32412	.89006	.79401	.75883	.30756	.63743	.25040	.43083
BONDS	-.08215	-.20495	1.00000	-.47690	-.45972	-.37221	-.09330	-.15190	-.55045	-.31323	-.23516	-.31749
STRES	.00206	.14577	-.47690	1.00000	.39969	.51172	.25472	.17790	.74516	.26364	.21316	.27139
DELBEHS	.12405	.32412	-.45972	.39969	1.00000	.45639	.26617	.56233	.89666	.55719	.49299	.57433
MX5S	.30826	.89006	-.37221	.51172	.45639	1.00000	.79867	.70870	.57509	.65583	.32631	.48544
MX1X5BS	.72836	.79401	-.09330	.25492	.26617	.78367	1.00000	.87400	.31098	.59284	.23809	.40409
MX1X5BD	.65599	.75883	-.15190	.13700	.56233	.70670	.87420	1.00000	.46398	.66559	.35579	.52298
MXSD	.08255	.30756	-.55045	.74516	.89666	.57509	.31098	.46398	1.00000	.55207	.43999	.54301
SB	.32305	.63743	-.31323	.26364	.55719	.65583	.59284	.66559	.55207	1.00000	.61598	.83918
SXBEH	.12789	.25040	-.23516	.21316	.49299	.32671	.23579	.35579	.43999	.61598	1.00000	.71969
SXABC	.23199	.43083	-.31749	.27139	.57433	.48544	.40409	.52298	.54301	.83918	.71969	1.00000

Table B.9--Pearson Correlations for Males.

	x1	x4	x5	x6	PARCDC	PARACC
x1	1.00000	-.05378	.32009	-.00665	-.12720	-.03390
x4	-.05378	1.00000	.03700	-.00367	-.11175	-.10235
x5	.32009	.03700	1.00000	.04493	-.15575	-.16319
x6	-.00665	-.00367	.04493	1.00000	-.09449	-.06133
PARCDC	-.12720	-.11175	-.15575	-.09449	1.00000	.66927
PARACC	-.03390	-.10235	-.16319	-.06133	.66927	1.00000
PARCONG	-.13970	-.11145	-.12877	.01506	.41996	.40225
FAITH	-.12108	-.11197	-.04723	.03737	.34876	.25369
POLICEP	-.13848	-.09322	-.26018	-.05013	.39468	.44955
CHURCHP	-.12500	-.24906	-.16393	.02452	.26454	.29923
MINSTRP	-.11812	-.22552	-.10604	.04894	.26145	.31754
SCHOOLP	.04567	-.10535	-.09495	-.07353	.30364	.35705
TEACHRP	.00554	-.11953	-.18729	-.06042	.40201	.42616
RELGITY	-.14091	-.30700	-.13547	.03699	.21605	.29193
AUTH	-.16345	-.12224	-.24945	.00725	.41490	.44002
DELSC	-.05916	.08982	.06899	.10490	-.25019	-.36774
DRUGS	.19913	.03376	.34459	.02794	-.21975	-.25373
ALCOHOL	.11754	.03342	.31503	.03578	-.19173	-.22881
GENDEL	.15543	.07635	.41155	.13291	-.37890	-.39370
SUICIDE	-.01305	.04900	.14659	.05340	-.25518	-.33749
PHYSHOR	-.02720	.06505	.02609	.04375	-.46036	-.25341
FAMILYC	-.05155	.08850	.09416	.08979	-.14525	-.27805
PAGE	-.07197	.05031	.11592	.09640	-.40303	-.28209
DEPRESS	-.01237	.10573	-.00214	.15279	-.41946	-.47064
AFFECTD	.08119	-.00544	.09252	.10062	-.30534	-.22389
SELFR	-.02179	-.07810	.19740	.00953	.14330	.20958
GUILT	-.03951	-.03893	.02077	.08628	-.10290	-.07718
CLASSES	-.05669	-.14424	-.14591	-.03029	.33433	.39672
AVALD	.33072	.03184	.35178	.02951	-.17159	-.14078
COLLO	.03453	-.20192	-.07906	-.09641	.21892	.33047
SMOKE	.13313	.09099	.36919	.07027	-.25536	-.30397
FC	-.13086	-.16543	-.18075	-.04920	.37601	.84177
CE	-.09542	-.23445	-.23447	-.03161	.46998	.53344
PSTRESS	-.02261	.05770	.12123	.06340	-.37627	-.39215
ESTRESS	-.02390	.05644	.11327	.15360	-.41489	-.44246
BONDING	-.12916	-.22679	-.23710	-.04651	.75491	.70347
STRESS	-.03030	.10015	.11526	.12749	-.43266	-.48054
DELBEH	.14723	.10361	.40744	.09649	-.37274	-.40763
DX31	.02545	.07547	.02724	.08946	-.07190	-.03695
DX32	-.01023	-.01345	-.02523	-.00661	.01577	.02150
DX33	.03250	-.00944	-.00644	-.07540	-.01091	.01723
DX34	-.03979	-.02331	-.05919	-.06984	.01625	.06303
DX71	.00090	.02901	-.04627	-.35470	-.01420	-.04442
DX72	.01351	-.04318	-.03013	-.21340	.00073	.07929
DX73	.01271	-.00945	-.02547	-.19301	.01539	.03754
DX74	-.00212	.04641	.01467	.05920	-.03320	-.05967
DX52CR3	-.00345	.01459	-.03519	-.16125	.04703	.06610
DX54	-.00065	-.02100	.05293	.28261	-.05604	-.04771
DX761	.11140	-.03263	-.03492	-.07033	.05522	.03592
DX762	-.06117	-.09503	-.12698	-.07760	.17702	.25315
DX763	-.02278	.05547	.14345	.07431	-.15959	-.19421
DX1751	-.04308	.11120	.22708	.08696	-.11114	-.13755
DX1752	.05725	-.00176	.00171	-.07145	.11265	.10188
DX1753	.01326	.00734	.01264	-.04107	-.07614	-.11944
DX1754	-.04281	.01008	-.06614	.01950	-.07330	-.01454
DX1761	-.04179	.01914	-.16500	-.04398	-.00724	.00507
DX1762	.03285	.03238	-.04523	.00373	-.04763	-.06702
DX1763	.00366	-.06233	.07823	-.04751	-.10452	-.09856
DX1764	.07047	-.04323	.08931	-.01172	.07520	.05508
XSS	.25124	.05792	.57577	.05037	-.15217	-.17030
BONDS	-.13254	-.22103	-.23235	-.05605	.79106	.79217
STRES	-.03264	.10350	.13872	.12224	-.41615	-.47614
DELBEHS	.13951	.10041	.38001	.08550	-.31057	-.39569
MXSS	.24120	.06566	.90489	.08615	-.29192	-.32701
MX1XSBS	.69227	-.03675	.76936	.02856	-.10653	-.06044
MX1XSBD	.61241	-.01071	.76472	.03076	-.10947	-.09082
MXSD	.08408	.11934	.34576	.11321	-.40535	-.45054
SE	.24050	.04551	.63392	.07445	-.22767	-.27079
SXBEH	.05597	.16244	.32462	.05125	-.17493	-.20448
SXABC	.17245	.14041	.49545	.07971	-.22447	-.26215

	PARCONG	FAITH	POLICEP	CHURCHP	MINSTRP	SCHOOLP
x1	-.13970	-.12108	-.13848	-.12500	-.11812	.04567
x4	-.11145	-.11197	-.09322	-.24906	-.22552	-.10535
x5	-.12877	-.04723	-.26018	-.16393	-.10604	-.09495
x6	.01506	.03737	-.05013	.02452	.04894	-.07353
PARCDC	.41996	.34876	.39468	.26454	.26145	.30364
PARACC	.40225	.25369	.44955	.29923	.31754	.35705
PARCONG	1.00000	.22242	.24706	.22859	.19563	.17227
FAITH	.22242	1.00000	.21768	.27005	.19955	.30541
POLICEP	.24706	.21768	1.00000	.32654	.27783	.36122
CHURCHP	.22859	.27005	.32654	1.00000	.53136	.20745
MINSTRP	.19563	.19955	.27783	.53136	1.00000	.18189
SCHOOLP	.17227	.30541	.36122	.20745	.18189	1.00000
TEACHRP	.24546	.33889	.46784	.25394	.23799	.57546
RELGITY	.17655	.19308	.27503	.65459	.54492	.14982
AUTH	.30219	.28490	.55556	.37748	.33449	.33550
DELSC	-.21723	-.04856	-.30313	-.09589	-.09229	-.15772
DRUGS	-.16851	-.07342	-.40319	-.24599	-.13584	-.22359
ALCOHOL	-.08591	-.10641	-.33304	-.23362	-.16946	-.22758
GENDEL	-.21213	-.10212	-.45211	-.20376	-.14702	-.34292
SUICIDE	-.18278	-.09026	-.22153	-.17578	-.11375	-.18933
PHYSHOR	-.19276	-.20720	-.17632	-.09423	-.08687	-.19102
FAMILYC	-.20917	-.02614	-.16440	-.07123	-.11650	-.11139
PAGE	-.17243	-.18405	-.15896	-.13120	-.02312	-.20730
DEPRESS	-.25902	-.18312	-.14235	-.11674	-.11095	-.19763
AFFECTD	-.15516	-.05234	-.09803	.07290	.03548	.00572
SELFR	.17540	.08194	.02476	.03624	.07386	.07519
GUILT	-.09733	.03912	.05596	.11070	.02016	.01077
CLASSES	.27262	.10777	.34901	.20166	.20621	.45170
AVALD	-.11911	-.10137	-.28845	-.19694	-.11216	-.14516
COLLO	.25481	.03583	.22916	.11755	.07789	.30982
SMOKE	-.14346	-.08508	-.40947	-.25599	-.13243	-.28247
FC	.80053	.17406	.42939	.31813	.30575	.32550
CE	.31679	.38938	.65811	.69470	.65123	.26751
PSTRESS	-.24252	-.18370	-.26124	-.19310	-.13205	-.24555
ESTRESS	-.31379	-.16028	-.22139	-.10637	-.07987	-.18518
BONDING	.64582	.41629	.63618	.57276	.54268	.56363
STRESS	-.32036	-.19647	-.27851	-.16735	-.12249	-.24927
DELBEH	-.21595	-.13468	-.51026	-.31978	-.18419	-.33048
DX31	-.03974	.02898	-.03425	-.00397	.01147	-.11957
DX32	-.01492	.04313	.03109	.04506	.03915	.04510
DX33	.06526	-.04477	-.00279	-.02650	.00724	-.02021
DX34	.07871	.01450	.05049	-.00642	-.02264	.04377
DX71	-.08191	-.04036	.02461	.00672	-.02014	-.00193
DX72	.06937	-.00034	.05702	.02617	.00897	.07592
DX73	.01527	-.00502	.00616	-.02920	-.02192	.04944
DX74	-.05687	-.00112	-.01914	-.07978	-.03067	-.08077
DX52CR3	.07920	-.05488	.02782	.00926	.05676	.07535
DX54	-.00698	.07582	-.03516	-.01171	-.04502	-.07435
DX761	.05656	-.02448	.07635	-.00975	.01304	.06994
DX762	.17622	.08917	.20567	.14150	.12054	.23753
DX763	-.14531	-.00041	-.17517	-.05117	-.10430	-.11072
DX1751	-.06676	-.03560	-.12121	-.05608	-.06574	-.08524
DX1752	.05672	.05087	.09883	.07614	.03478	.06584
DX1753	-.07024	-.01069	-.09865	-.05679	-.02267	-.02613
DX1754	-.01446	.00470	-.01963	-.01597	.02346	-.02079
DX1761	-.01011	-.05774	.06706	.03675	.02128	-.01548
DX1762	-.07378	-.08637	-.04623	-.03656	-.03298	-.05500
DX1763	-.10696	-.04566	-.10830	-.10197	-.10105	-.04650
DX1764	.05696	.03481	.05305	.00744	.02467	.05276
XSS	-.12456	-.04202	-.25337	-.16142	-.11003	-.09248
BONDS	.64556	.41108	.63469	.57355	.54326	.55457
STRES	-.30783	-.19528	-.27719	-.16722	-.12122	-.24412
DELBEHS	-.20199	-.17525	-.49647	-.30678	-.16234	-.31554
MXSS	-.27225	-.11205	-.31980	-.21328	-.13588	-.17373
MX1XSBS	-.10553	-.06025	-.15436	-.09313	-.04615	.01355
MX1XSBD	-.08372	-.04585	-.26897	-.16978	-.09569	-.04115
MXSD	-.29025	-.18201	-.46293	-.30698	-.17650	-.33623
SE	-.17856	-.07405	-.35918	-.25328	-.15314	-.22503
SXBEH	-.12135	-.05085	-.27544	-.22408	-.14490	-.20399
SXABC	-.16735	-.06970	-.35204	-.28435	-.17886	-.25520

Table B.9--Pearson Correlations for Males (continued).

	TEACHRP	RELSITY	AUTH	DFLSC	DRUGS	ALCOHCL	GENDEL	SUICIDE	PHYSWBR	FAMILYC	RAGE	DEPRESS
X1	.00554	-.14091	-.16845	-.05916	.19913	.11754	.15643	-.01805	-.02720	-.05155	-.07197	-.01237
X4	-.11953	-.32720	-.12224	.08992	.03376	.08342	.07635	.06920	.06505	.08850	.05031	.10538
X5	-.15729	-.13547	-.24645	.06829	.34459	.31553	.41158	.14568	.02609	.09416	.11682	-.00214
X6	-.06042	.03629	.00725	.10496	.02754	.03678	.13291	.05340	.04325	.08939	.09640	.15279
PARCRC	.40201	.21605	.41480	-.25019	-.21975	-.19173	-.37890	-.25218	-.26286	-.14525	-.29307	-.41946
PARACC	.42516	.29193	.44002	-.36774	-.25333	-.22881	-.38370	-.33749	-.25941	-.27305	-.28209	-.47064
PARCONG	.24546	.17665	.30218	-.21723	-.16261	-.09551	-.21213	-.18278	-.10276	-.20917	-.13243	-.25992
FAITH	.37089	.19178	.25490	-.04856	-.07842	-.10541	-.19212	-.09076	-.20720	-.02614	-.14425	-.18312
POLICEP	.46794	.27593	.55552	-.30313	-.40319	-.37894	-.45211	-.22153	-.17652	-.16440	-.18896	-.14235
CHURCHP	.25394	.65459	.37748	-.05589	-.24599	-.28362	-.29336	-.17858	-.09423	-.07323	-.13120	-.11534
MINSTRP	.23799	.54482	.33445	-.09229	-.17584	-.16946	-.14702	-.11375	-.03697	-.11650	-.02312	-.11095
SCHOOLP	.57546	.14882	.37890	-.15772	-.22308	-.22758	-.34292	-.18833	-.19102	-.11179	-.20730	-.19743
TEACHRP	1.00000	.17280	.39050	-.20123	-.28136	-.33043	-.42192	-.17003	-.19738	-.10728	-.23569	-.20398
RELSITY	.17280	1.00000	.35738	-.08999	-.20505	-.23971	-.19907	-.13340	-.04301	-.10972	-.03791	-.07121
AUTH	.39050	.35738	1.00000	-.22646	-.34521	-.25676	-.40467	-.14113	-.15227	-.15659	-.13511	-.08555
DFLSC	-.20123	-.08999	-.22646	1.00000	.30133	.20092	.34512	.29336	.17750	.32692	.22552	.29162
DRUGS	-.28133	-.20505	-.34521	.30133	1.00000	.45620	.60440	.24257	.09199	.20500	.15736	.08333
ALCOHOL	-.33043	-.23971	-.25476	.20092	.45620	1.00000	.53430	.22962	.08650	.17676	.24559	.11372
GENDEL	-.42192	-.19907	-.40467	.34512	.60440	.53430	1.00000	.35019	.16157	.25210	.39964	.15972
SUICIDE	-.17003	-.13340	-.14113	.29336	.24257	.22962	.35019	1.00000	.17964	.32812	.41008	.37679
PHYSWBR	-.19735	-.04301	-.15227	.17750	.09199	.08650	.16157	.17964	1.00000	.15421	.21558	.23090
FAMILYC	-.10728	-.10972	-.15659	.32692	.20500	.17276	.25210	.32812	.15421	1.00000	.18790	.18315
RAGE	-.23568	-.03751	-.13511	.22552	.15736	.24859	.39964	.41008	.21558	.18790	1.00000	.44697
DEPRESS	-.20398	-.07121	-.08555	.29162	.08333	.17502	.18972	.37679	.23080	.18618	.44697	1.00000
AFFECTD	-.03550	.04552	-.03436	.14269	.05526	.10442	.11520	.20989	.11431	.11711	.29905	.53195
SELFR	.00050	.09583	.02521	-.12205	.05503	.13402	.05984	-.04129	-.20696	-.02777	-.00487	-.23317
GUILT	.03165	.15803	.06554	.15894	.03182	.01631	.16497	.29505	.09927	.14165	.43494	.31117
CLASSES	.49155	.17593	.25924	-.23391	-.21741	-.25136	-.38133	-.20505	-.23032	-.19914	-.18670	-.23778
AVALD	-.22552	-.16665	-.25865	.14622	.44328	.37865	.45072	.17582	.02919	.12509	.17020	.07045
COLLD	.34210	.12676	.14971	-.29922	-.19394	-.14149	-.27670	-.12128	-.15481	-.24998	-.16722	-.22516
SMOKE	-.34679	-.27292	-.34049	.32064	.54247	.49362	.55990	.23559	.12715	.21050	.25246	.17941
FE	.42389	.26963	.45928	-.32777	-.25477	-.19539	-.36792	-.30263	-.28775	-.20149	-.27505	-.43936
CR	.73709	.53190	.57522	-.24151	-.37136	-.39219	-.47977	-.25202	-.21451	-.16354	-.22594	-.22422
PSTRESS	-.23592	-.12126	-.19522	.30674	.24296	.21512	.34610	.82750	.70098	.32589	.42205	.47669
ESTRESS	-.21365	-.06547	-.15704	.36659	.10239	.24968	.35998	.48675	.24212	.59289	.70909	.74511
BONDING	.66067	.45497	.50146	-.32791	-.35670	-.33405	-.48346	-.31682	-.28923	-.26302	-.29147	-.38607
STRESS	-.25975	-.10709	-.19984	.35789	.65125	.26732	.40703	.76087	.55782	.52023	.65107	.66112
DELBEN	-.42679	-.26495	-.42791	.56976	.77719	.75103	.80260	.36066	.17036	.30966	.34168	.23568
DX31	-.07480	.02432	.04063	.09829	-.00087	.03719	.05998	.04067	.03939	.05905	.04449	.05589
DX32	.01452	.05145	.06037	-.03890	-.06473	-.03538	.01428	.01135	-.02341	.01492	-.02091	-.01956
DX33	-.02574	.02094	-.06202	-.01431	.06024	.03265	.00028	-.02628	.04500	-.02141	.01125	.01279
DX34	.05541	-.02219	-.01393	-.09567	-.05030	-.05302	-.17453	-.06259	-.06457	-.06320	-.06121	-.02511
DX71	.01318	.00651	-.02583	-.03325	-.02886	.01531	-.05696	.05797	-.00478	.01759	-.00097	-.01526
DX72	.00623	.07579	.04426	-.09107	-.07412	-.06552	-.17039	-.06590	-.05776	-.05697	-.04373	-.04126
DX73	.02371	-.02978	-.00090	-.01651	.04092	-.00045	.03077	-.00147	.01644	-.02542	-.03572	-.05119
DX74	-.06745	-.05553	-.01710	.00241	.01676	.02378	.03439	.04075	-.02751	-.00265	.04719	.06217
DX52OR3	.06043	.00373	.01222	-.03991	-.01607	-.03441	-.01599	-.02444	-.02987	-.01162	-.01321	-.03514
DX54	-.06354	-.00412	-.00363	.04795	.02549	.02778	.03578	.00339	.02591	.00674	.01199	.03502
DX751	.12324	.01789	.09945	-.06625	-.07178	-.07125	-.08813	-.05337	-.06194	-.04717	-.06331	-.04510
DX752	.22019	.13431	.15965	-.18492	-.24120	-.17252	-.24494	-.11428	-.12552	-.17723	-.09613	-.15215
DX753	-.21525	-.13217	-.17919	.17895	.19220	.19475	.22170	.05606	.10922	.14928	.07013	.13599
DX1751	-.13135	-.07364	-.05320	.11760	.09254	.14874	.20124	.10950	.04496	.08411	.07616	.01339
DX1752	.10002	.06575	.06552	-.13844	-.05638	-.02102	-.09381	-.08732	-.02144	-.11279	-.05995	-.10596
DX1753	-.03351	-.05723	-.09704	.11674	.10549	.05959	.06140	.07744	-.04673	.23485	.04619	.07319
DX1754	-.07149	-.01909	-.00210	.07804	.01579	.01592	.07021	.08346	-.00198	.09903	.01218	.05706
DX1761	.03425	-.00190	.04010	-.01545	-.09049	-.08570	-.12743	.07535	-.00659	-.04130	-.01107	.05217
DX1762	-.02477	-.01997	-.08991	.07720	.01292	.01530	.04120	.10098	.01639	.06075	.07159	.06308
DX1763	-.10596	-.04577	-.07675	.05509	.09041	.05569	.07993	.06098	.04970	.14578	-.03269	.04746
DX1764	.07712	-.00267	-.00242	-.06656	-.00601	-.02558	.00029	-.09802	.01694	-.09773	-.03768	-.06493
XSS	-.15134	-.11674	-.22573	.06520	.32996	.30123	.39349	.15511	.02543	.11205	.12495	.00738
BONDS	.65569	.45539	.59237	-.32791	-.38296	-.37413	-.47778	-.31212	-.29191	-.26650	-.28515	-.39133
STRES	-.25011	-.10972	-.19555	.38255	.65906	.27726	.40748	.79490	.53527	.54033	.63103	.63247
DELBEMS	-.40609	-.25005	-.40433	.54654	.60770	.72494	.78971	.34222	.15755	.29731	.32202	.21737
MXSS	-.25875	-.15792	-.28275	.20101	.39338	.36901	.50309	.43051	.22765	.28683	.34499	.24501
MX1XSES	-.03472	-.05796	-.17066	.03637	.31423	.25345	.33689	.20709	.09748	.11309	.15177	.10323
MX1XSSD	-.17203	-.16459	-.26227	.17191	.57018	.64276	.51137	.12662	.00039	.08803	.12191	.02536
MXSD	-.40641	-.23410	-.35307	.57471	.65022	.65599	.75504	.61246	.35343	.45769	.51251	.43275
SE	-.30962	-.20373	-.31247	.19786	.57317	.52912	.62356	.24464	.06738	.15791	.27201	.05584
SXMEH	-.25432	-.19532	-.21930	.19324	.44026	.30910	.50172	.23390	.06292	.17147	.19086	.07188
SXABC	-.31274	-.22629	-.31446	.25067	.53639	.40472	.60836	.24696	.08309	.21685	.24742	.07945

Table B.9--Pearson Correlations for Males (continued).

	AFFECTD	SELFR	GUILT	CLASSES	AVALD	COLLD	SMOKE	FB	CB	PSTRESS	ESTRESS	BONDING
X1	.08119	-.02179	-.03951	-.08869	.37072	.03481	.13333	-.12889	-.09542	-.02641	-.02390	-.12916
X4	-.00364	-.07810	-.08893	-.14424	.07194	-.20181	.09099	-.16243	-.23466	.08730	.08644	-.22539
X5	.09252	.19740	.02077	-.14591	.38178	-.07804	.36919	-.19375	-.23447	.12123	.11327	-.23710
X6	.10362	.00953	.05629	-.03079	.02951	-.09541	.07027	-.04900	-.03161	.06340	.15366	-.04451
PARCDC	-.30574	.14300	-.10290	.33433	-.17189	.21591	-.25536	.83601	.46993	-.33627	-.41459	.75591
PARACC	-.22589	.20953	-.07778	.39672	-.14078	.37047	-.30397	.84137	.53364	-.39615	-.44246	.79347
PARCONG	-.15516	.13563	-.08733	.27242	-.11911	.25481	-.14346	.60063	.31679	-.24252	-.31379	.64382
FAITH	-.05234	.05194	.07912	.19777	-.10137	.03581	-.08508	.37496	.38938	-.19370	-.16028	.41429
POLICEP	-.09603	.02475	.05596	.34901	-.28645	.22913	-.40947	.42939	.64811	-.26124	-.22139	.63518
CHURCHP	.03290	.03624	.11070	.20160	-.19694	.11753	-.28809	.31613	.69430	-.18310	-.10637	.57276
MINSTRP	.03545	.07380	.02016	.20521	-.11216	.07782	-.13243	.30275	.65123	-.13205	-.07987	.54258
SCHOOLP	.00572	.07619	.01077	.45170	-.14616	.30982	-.28247	.32590	.66751	-.24555	-.15618	.54353
TEACHNP	-.03550	.00650	.03169	.48155	-.42552	.34213	-.34579	.42389	.73799	-.23502	-.21365	.64067
RELGITY	.04652	.09890	.15893	.17593	-.14656	.10675	-.27292	.26943	.53190	-.12126	-.06547	.45457
AUTH	-.03436	.02521	.04554	.25924	-.28866	.14931	-.34048	.45998	.57522	-.18622	-.15704	.59146
DELSC	.14269	-.12205	.15834	-.23291	.14622	-.29922	.32064	-.32777	-.24151	.30674	.26659	-.32751
DRUGS	.05526	.05523	.07192	-.21741	.44328	-.19391	.56247	-.25437	-.37136	.24286	.19239	-.35570
ALCOHOL	.10442	.13422	.01631	-.25136	.37545	-.14149	.40362	-.10539	-.39219	.21512	.24348	-.37605
GENDEL	.11520	.05994	.16497	-.38133	.45032	-.27573	.55900	-.35792	-.47877	.34010	.35998	-.45346
SUICIDE	.20985	-.04129	.29505	-.20505	.17582	-.19123	.23659	-.30263	-.25202	.62750	.46875	-.31952
PHYSWOR	.11431	-.20496	.09927	-.23052	.07919	-.15691	.12715	-.29775	-.21461	.70098	.26212	-.28923
FAMILYC	.11711	-.02777	.14165	-.18914	.12509	-.24993	.21050	-.29149	-.16354	.32589	.59289	-.24303
PAGE	.29905	-.00497	.43494	-.18670	.12020	-.16722	.28246	-.27805	-.22894	.42205	.70999	-.29147
DEPRESS	.50195	-.23817	.31117	-.23778	.07045	-.22615	.17961	-.43936	-.22422	.47489	.74511	-.38457
AFFECTD	1.00000	-.07821	.25944	-.07038	.02546	-.07395	.11170	-.27586	-.01404	.21741	.68111	-.17066
SELFR	-.07821	1.00000	-.03515	.14972	.11577	.24010	.00412	.19239	.06359	-.14506	-.11653	.14824
GUILT	.25944	-.03515	1.00000	-.01170	-.00495	-.07762	.03266	-.10917	.05562	.27056	.41716	-.01693
CLASSES	-.07038	.14972	-.01170	1.00000	-.13063	.45585	-.33992	.39510	.49779	-.28040	-.23643	.50610
AVALD	.02546	.11577	-.00495	-.13063	1.00000	-.05764	.39066	-.17389	-.28020	.14412	.14901	-.25549
COLLD	-.07395	.24010	-.07762	.45585	-.05764	1.00000	-.36640	.31948	.31079	-.22703	-.26667	.36145
SMOKE	.11170	.00412	.03266	-.33992	.39066	-.36640	1.00000	-.27476	-.41319	.24409	.28163	-.39199
FB	-.27586	.19279	-.10517	.39510	-.17389	.31948	-.27476	1.00000	.52114	-.38363	-.46618	.68017
CB	-.01404	.06352	.05542	.49779	-.28020	.31079	-.41319	.52114	1.00000	-.30520	-.23189	.64380
PSTRESS	.21741	-.14506	.27056	-.28040	.14412	-.22703	.24409	-.38363	-.30520	1.00000	.50393	-.39521
ESTRESS	.68111	-.11653	.41716	-.23643	.14901	-.26667	.28163	-.46618	-.23189	.50393	1.00000	-.40417
BONDING	-.17066	.14824	-.01693	.50610	-.25549	.36145	-.39199	.68017	.64380	-.39521	-.40417	1.00000
STRESS	.51542	-.15273	.39562	-.29375	.14829	-.28443	.30291	-.48952	-.31010	.86908	.86431	-.46144
DELBEH	.14286	-.03989	.10090	-.38179	.46705	-.34174	.50421	-.37510	-.51082	.35671	.38672	-.50553
DX31	.04512	-.07246	-.01547	-.16336	.01589	-.28113	.06383	-.55468	-.06320	.05197	.07915	-.04743
DX32	-.02758	-.01675	.00678	.03039	-.02376	-.01781	-.02055	.00711	.05713	-.00513	-.01802	.03557
DX33	-.00095	.00325	-.00863	.01541	.02027	.03289	.01264	.03122	-.02093	.00519	-.00164	.02579
DX34	-.02385	.01074	-.00034	.06821	-.04260	.22580	-.13475	.04570	.03454	-.08223	-.06739	.04519
DX71	-.02561	-.00679	-.00795	.01999	.02945	.00357	.01105	-.05845	.00681	.03970	-.00728	-.03072
DX72	.00516	-.01460	-.02143	.09447	-.04468	.05570	-.10554	.07969	.06726	-.08179	-.05396	.05445
DX73	-.01245	.00552	-.01170	.01482	.02624	.06205	-.01609	.02617	.00696	.00872	-.04619	.01932
DX74	.00057	.01893	.02672	-.05818	.02495	-.04449	.02537	-.05542	-.06951	.01384	.04303	-.07137
DX32OR3	-.10129	-.00589	-.01065	.00391	-.03728	.03459	-.03390	.04223	.06570	-.03420	-.06715	.07552
DX64	.10151	.01342	.01090	-.00917	.02459	-.03943	.02991	-.04260	-.06598	.01689	.06447	-.04194
DX751	-.02900	-.11789	-.03182	.07959	-.01933	.09593	-.08255	.04906	.07765	-.07404	-.07089	.05396
DX752	-.07059	.17786	.02223	.29598	-.10428	.35877	-.27892	.22151	.26885	-.15620	-.15443	.29029
DX753	.08157	-.00119	.00776	-.22403	.11507	-.29495	.22570	-.19868	-.19514	.12298	.16254	-.22748
DX1751	-.01540	.04755	.03160	-.11193	.12102	-.11166	.19027	-.12351	-.13385	.10499	.06472	-.14735
DX1752	.01280	.11506	-.02086	.08213	-.03426	.22272	-.00015	.10718	.09454	-.07554	-.05944	.11535
DX1753	.02246	-.05204	-.00419	-.07150	.02567	-.06715	.07985	-.10423	-.07175	.02962	.13482	-.10144
DX1754	-.00300	-.06155	-.01090	.00758	-.00174	-.11726	.02845	-.02557	-.02003	.05978	.05590	-.02523
DX1761	-.07280	-.12745	-.03198	-.02324	-.05449	-.06440	-.10948	-.00624	.04123	.02196	-.02746	.01725
DX1762	.02257	-.07352	.00926	-.03767	-.00256	-.05311	.04106	-.08470	-.05637	.08645	.08098	-.09135
DX1763	.01099	-.03390	-.04397	-.12719	.03054	-.04505	.05976	-.12609	-.13446	.07189	.07140	-.14222
DX1764	-.00173	.06351	.02390	.05509	.04131	.05944	.00274	.05933	.05056	-.06140	-.07649	.04315
XSS	.08230	.17454	.03044	-.11395	.34472	-.08778	.34490	-.17802	-.23051	.12609	.12691	-.23329
BONDS	-.17709	.15247	-.02033	.50157	-.25679	.36101	-.38992	.67328	.65930	-.39288	-.40727	.99371
STRES	.49237	-.14121	.35003	-.29280	.17234	-.27887	.30249	-.47523	-.32754	.87457	.84441	-.45158
DELBEHS	.12509	.07542	.05544	-.35945	.46365	-.32082	.77547	-.35239	-.46740	.35252	.36146	-.47929
MXSS	.25955	.11244	.16114	-.23526	.37282	-.18246	.42719	-.33649	-.31961	.44204	.42200	-.37757
MX145SS	.18940	.10223	.09845	-.09063	.39650	-.01570	.28702	-.11340	-.09075	.20577	.20624	-.11762
MX1XSUD	.06535	.11536	.03559	-.14514	.47951	-.09316	.51711	-.11665	-.20450	.09202	.12213	-.18253
MXSD	.30547	-.03197	.23079	-.39846	.41097	-.36256	.70438	-.44998	-.49100	.64576	.63558	-.55052
SB	.09550	.02274	.10245	-.26993	.40353	-.17723	.57674	-.23173	-.37706	.21582	.22346	-.34580
SXBEH	.02103	.09755	.04246	-.25473	.46011	-.20672	.38875	-.17758	-.31699	.20548	.17660	-.29606
SXABC	.07473	.15397	.07833	-.27044	.44341	-.26572	.53476	-.25872	-.40128	.22791	.23997	-.37590

Table B.9--Pearson Correlations for Males (continued).

	STRESS	DELBEH	DX31	DX32	DX33	DX34	DX71	DX72	DX73	DX74	DX82OR3	DX64
Y1	-.03030	.14723	.02545	-.01023	.07290	-.03978	.00030	.01381	.01271	-.00212	-.00345	-.00368
X4	.10016	.10361	.07947	-.01345	-.00944	-.02831	.02901	-.04318	-.00946	.04641	.01498	-.02300
X5	.13526	.40744	.02724	-.02823	-.00644	-.05919	-.04627	-.03013	-.02547	.01467	-.03519	.05293
X6	.12749	.07649	.08946	-.00651	-.07640	-.06984	-.35430	-.21340	-.19301	.09220	-.16128	.25261
PARCDC	-.47266	-.33274	-.03190	.01577	-.01091	.01625	-.01420	.05073	.01539	-.02220	.06703	-.05534
PARACC	-.48094	-.40743	-.06885	.02190	.01723	.03603	-.04442	.07929	.03794	-.05967	.06610	-.04771
PARCONG	-.32036	-.21595	-.03974	-.01452	.04526	.03871	-.09181	.06937	.01527	-.05697	.03920	-.00598
FAITH	-.19347	-.13463	.00898	.04333	-.06477	.01460	-.06036	-.00034	-.00502	-.00112	-.05458	.07582
POLICEP	-.27351	-.51026	-.03425	.03309	-.02279	.05045	.03441	.05702	.00616	-.01514	.02792	-.03516
CHURCHP	-.16735	-.31973	-.00397	.04506	-.02650	-.00342	.00872	.02617	-.02720	-.07978	.00926	-.01171
MINSTRP	-.12249	-.13419	.01147	.03915	.00724	-.02264	-.02014	.03897	-.02182	-.07067	.05626	-.04502
SCHOOLP	-.24927	-.33043	-.11957	.06510	-.02021	.04877	-.00193	.07592	.04944	-.08097	.07575	-.07435
TEACHRP	-.25935	-.42629	-.07490	.01452	-.02634	.05541	.01318	.06625	.02351	-.06745	.06043	-.04314
RELGITY	-.10799	-.23405	.00438	.05246	.02094	-.02615	.00651	.03679	-.02978	-.05053	.00373	-.02612
AUTH	-.19954	-.42791	.04068	.04037	-.04202	-.01393	-.02538	.04426	-.00090	-.01710	.01222	-.00363
DELSC	.35789	.56576	.09529	-.03890	-.01431	-.09567	-.07328	-.09107	-.01691	.00641	-.03891	.04755
DRUGS	.25125	.77719	-.00097	-.04473	.04094	-.05070	-.02586	-.07412	.04092	.01578	-.01597	.02549
ALCOHOL	.26723	.75103	.03719	-.05358	.07245	-.05303	.01511	-.04852	-.00095	.02378	-.03441	.02778
GENDEL	.40703	.57863	.05993	.01425	.00028	-.13463	-.05696	-.12039	.03007	.07479	-.01599	.02538
SUICIDE	.76097	.33065	.04067	.01135	-.02226	-.06259	.05727	-.06590	-.00147	.04075	-.02444	.00338
PHYSHER	.55792	.17073	.03979	-.02341	.04500	-.06457	-.00478	-.05776	.01644	-.02751	-.02087	.02261
FAMILYC	.52527	.32965	.05905	.01492	-.07141	-.06320	.01759	-.05687	-.02842	-.00295	-.01142	.00524
RACE	.55107	.34165	.04449	-.02091	.01125	-.04121	-.00027	-.04373	-.03572	.04719	-.01321	.01179
DEPRESS	.66112	.23549	.06589	-.01986	.01079	-.02311	-.01626	-.04126	-.05119	.08617	-.04614	.02402
AFFECTD	.51542	.14274	.04512	-.02728	-.00098	-.02385	-.02561	.00518	-.01246	.00097	-.10129	.10151
SELFE	-.15273	.03599	-.07246	-.01936	.00355	.01074	-.00679	-.01490	.00852	.01893	-.00389	.01362
GUILT	.39569	.10093	-.01547	.00676	-.00863	-.00074	-.00786	-.02143	-.01130	.02672	-.01068	.01390
CLASSES	-.29325	-.39179	-.16330	.03039	.01341	.06821	.01899	.09447	.01482	-.05516	.00381	-.00917
AVALD	.16099	.45705	.01599	-.02376	.02027	-.04260	.02945	-.06468	.02624	.02495	-.03728	.02459
COLLO	-.25443	-.34174	-.28113	-.01791	.07289	.22580	.00857	.05570	.06205	-.04449	.03459	-.03943
SMOKE	.30291	.80471	.05383	-.02055	.01264	-.13475	.01105	-.10554	-.01609	.02537	-.03320	.02291
FB	-.48952	-.37510	-.05463	.00711	.07122	.04570	-.05845	.07969	.02617	-.05542	.06523	-.04240
CB	-.31010	-.51092	-.06720	.05713	-.02093	.03454	.00691	.06726	.00626	-.04951	.06570	-.04595
PSTRESS	.66958	.35671	.05107	-.00513	.00519	-.08223	.07930	-.08179	.00832	.01384	-.03420	.01399
ESTRESS	.56431	.32672	.07915	-.01892	-.00164	-.06779	-.00728	-.05386	-.04619	.04303	-.06715	.06447
FONDING	-.46144	-.50583	-.06743	.03597	.00679	.04519	-.07072	.09445	.01932	-.07137	.07682	-.06154
STRESS	1.00000	.42942	.07544	-.01327	.00209	-.09675	.01573	-.09099	-.02153	.07262	-.05325	.04750
DELBEH	.42942	1.00000	.07526	-.04523	.02583	-.12450	-.02055	-.12453	.00772	.02747	-.03362	.04437
DX31	.07544	.07526	1.00000	-.41650	-.25952	-.27573	.06328	-.16452	-.03738	.02126	-.01614	-.00560
DX32	-.01327	-.04623	-.41650	1.00000	-.27575	-.29407	-.02169	.05785	-.02930	-.01183	.00498	.00464
DX33	.00209	.02583	-.25952	-.27575	1.00000	-.18400	-.00155	.10052	.00813	-.04308	-.01760	.01343
DX34	-.05075	-.12450	-.27833	-.25407	-.18400	1.00000	-.04631	.02383	.03579	.01973	.03772	-.02517
DX71	.01573	-.02055	.06329	-.02169	-.00155	-.04531	1.00000	-.08632	-.08973	-.07654	-.06893	-.29097
DX72	-.08059	-.12453	-.16452	.05785	.10052	.02383	-.08632	1.00000	-.35960	-.30677	.11784	-.09045
DX73	-.02153	.00772	-.03733	-.02970	.00613	.03879	-.05973	-.35960	1.00000	-.31398	.05577	-.02266
DX74	.03262	.02967	.02126	-.01153	-.04308	.01973	-.07654	-.30677	-.31398	1.00000	-.04749	.04320
DX82OR3	-.05625	-.07642	-.01614	.00492	-.01760	.03772	-.06893	.11784	.05577	-.04749	1.00000	-.03116
DX64	.04780	.04437	-.00540	.00444	.01543	-.02517	-.29097	-.09045	-.02266	.04520	-.03116	1.00000
DX751	-.05358	-.05975	.03790	-.02733	.04768	-.03298	.01133	-.01105	.03871	-.01242	.01785	-.01956
DX752	-.19524	-.31670	-.05121	.00592	.07741	.14695	.04243	.10452	.00497	-.05590	.03698	-.05351
DX753	.15275	.27067	.05294	.07636	-.04250	-.05373	-.07307	-.09252	-.00930	.04652	-.02455	.03571
DX1751	.05608	.20270	.11119	-.02070	-.02951	-.06240	-.00756	-.04228	-.01579	.00294	.02438	-.01376
DX1752	-.10075	-.10444	-.09322	-.01763	.02958	.07172	-.01698	.09207	.00703	-.00737	.00328	.00056
DX1753	.09421	.11293	-.01154	.02310	.07341	-.04776	.04243	.01156	-.01874	-.01692	.05316	-.06553
DX1754	.06648	.04203	.03198	-.00066	-.00595	.01251	-.00007	-.03455	.03189	.01404	-.06368	.04177
DX1761	-.03409	-.11579	-.01505	.05671	-.00326	.00610	.06551	.01338	.02985	-.04672	-.05412	.02765
DX1762	.09424	.05567	-.03920	.03325	.07232	-.00449	.02492	.02324	-.03405	-.04417	-.02595	.01577
DX1763	.05262	.02156	.01174	-.02002	.02374	-.03160	-.01766	.02906	-.05617	.05308	.06291	-.04224
DX1764	-.07942	-.02583	-.00303	-.01570	-.03319	.02758	-.04849	-.02074	.03551	.02942	.00973	.01035
XES	.14634	.07630	.03114	-.03031	-.01015	-.05401	-.04238	-.02794	-.01914	.01120	-.03569	.05157
FCLDS	-.46127	-.50242	-.06615	.02854	.01054	.04383	-.02206	.05559	.01239	-.07325	.07517	-.04503
STRESS	.59129	.47315	.06729	-.01496	.00914	-.03175	.01948	-.07791	-.00969	.02740	-.05284	.04244
DELBEHS	.41162	.92219	.06491	-.05169	.07592	-.11376	-.02344	-.11354	.01843	.02632	-.02514	.03282
MXSS	.49552	.50370	.04516	-.02942	-.00553	-.07140	-.03406	-.05557	-.01685	.01534	-.05125	.07318
MX1XSBS	.23756	.33073	.02117	-.01485	.01998	-.06075	-.03429	-.00346	.00216	-.01613	-.01023	.02281
MX1XSBD	.12350	.47347	.03205	-.02977	.02205	-.08150	[illegible]	[illegible]	.00914	-.01553	.00623	.01955
MXSD	.74052	.90613	.07439	-.03360	.02911	-.11776	-.00607	-.12347	.00991	.03240	-.04598	.04543
SE	.28324	.65475	.08311	-.04076	-.00754	-.10058	-.02942	-.17394	.01904	.01493	-.02174	.03650
SXBEH	.22161	.51616	.10027	-.01971	-.03494	-.05053	.00165	-.11539	.05202	.00508	-.03657	.03555
SXABC	.26971	.65243	.08471	-.03416	.01331	-.10578	-.00149	-.13646	.00421	.02794	-.03545	.03520

Table B.9--Pearson Correlations for Males (continued).

	DX761	DX762	DX763	DX1751
X1	.11140	-.06117	-.02278	-.04398
X4	-.03263	-.08503	.05547	.13120
X5	-.03492	-.12698	.14345	.22708
X6	-.03073	-.07760	.07431	.08696
PARCPC	.05522	.17702	-.15959	-.11114
PARACC	.05952	.25315	-.19421	-.13795
PARCONG	.05656	.13622	-.14531	-.06696
FAITH	-.02446	.09917	-.00041	.00560
POLICEP	.07635	.22567	-.17517	-.12121
CHURCHP	-.00975	.14150	-.08117	-.08698
MINSTRP	.01304	.12056	-.10430	-.06574
SCHOOLP	.06904	.23793	-.11072	-.05524
TEACHRP	.12324	.22612	-.21525	-.13135
RELGITY	.01784	.13471	-.10217	-.07364
AUTH	.09946	.15966	-.17919	-.05320
DELSC	-.06625	-.18492	.17995	.11740
DRUGS	-.02175	-.24120	.18220	.09254
ALCOHOL	-.07125	-.17252	.19475	.14834
GENDEL	-.05613	-.26996	.22170	.20124
SUICIDE	-.05377	-.11429	.05606	.10950
PHYSREP	-.06194	-.12952	.10922	.04496
FAMILYC	-.04717	-.17723	.14928	.08411
RAGE	-.06631	-.09613	.07013	.07516
DEPRESS	-.04610	-.15215	.13899	.01879
AFFECTD	-.02900	-.07059	.08157	-.01540
SELFR	-.17756	.17785	-.00119	.04755
GUILT	-.03192	.02223	.00776	.03160
CLASSES	.07959	.23595	-.22403	-.11193
AVALE	-.01973	-.10423	.11507	.12102
COLLO	.09593	.35577	-.29495	-.11166
SMOKE	-.08255	-.27592	.22570	.19027
FS	.06906	.22151	-.19863	-.12351
CF	.07765	.26995	-.19814	-.13395
PSTRESS	-.07404	-.15620	.10278	.10459
FSTRESS	-.07089	-.12443	.16254	.06472
BONDING	.08394	.20029	-.22748	-.14735
STRESS	-.03358	-.19654	.15275	.09908
DELSEH	-.05955	-.17670	.27069	.20270
DX31	.03790	-.19121	.08294	.11119
DX32	-.02773	.00682	.03676	-.02070
DX33	.04768	.03761	-.05250	-.02951
DX34	-.03298	.14695	-.08373	-.04260
DX71	.01133	.04263	-.03307	-.00756
DX72	-.01105	.10452	-.09252	-.06228
DX73	.03071	.00497	-.00930	-.01579
DX74	-.01042	-.05990	.04652	.00294
DXSCORE	.01755	.07695	-.02455	.02476
DX[illegible]	-.01986	-.05351	.03671	-.01974
DX761	1.00000	-.44146	-.28614	-.06269
DX762	-.44146	1.00000	-.49442	-.06111
DX763	-.28614	-.49442	1.00000	.07090
DX1751	-.06269	-.06111	.07090	1.00000
DX1752	.07194	.09564	-.04999	-.29711
DX1753	-.02641	-.05943	.09323	-.07149
DX1754	.00297	-.07346	.01041	-.11500
DX1761	.01499	.01026	-.03537	-.13873
DX1762	-.04044	-.00372	-.00629	-.01856
DX1763	-.02322	-.04642	.05097	.01273
DX1764	.04053	.02022	-.00611	-.00666
X55	-.03124	-.12579	.13790	.25231
BONDS	.08785	.27892	-.23356	-.14221
STRES	-.08008	-.19474	.14581	.10243
DELSEHS	-.06958	-.27457	.24755	.20494
MXSC	-.05205	-.19527	.17970	.27005
MXIXSBS	.02713	-.10379	.05412	.10019
MXIXSBD	.00172	-.16763	.15696	.14290
MXSD	-.09059	-.30212	.24959	.19807
SB	-.09112	-.19130	.19341	.24351
SXEEH	-.03562	-.17400	.13113	.21404
SXABC	-.08417	-.22259	.20164	.21258

	DX1752	DX1753	DX1754	DX1761
X1	.05725	.01829	-.09281	-.04179
X4	-.08136	.00734	.01028	.01914
X5	.00171	.01264	-.06614	-.16500
X6	-.07145	-.04107	.01990	-.04398
PARCPC	.11265	-.07614	-.07330	-.00784
PARACC	.10188	-.11964	-.01494	.00507
PARCONG	.05632	-.07024	-.01446	-.01011
FAITH	.05087	-.01645	.00470	-.05774
POLICEP	.08883	-.09545	-.01368	.06706
CHURCHP	.07514	-.05575	-.01897	.07575
MINSTRP	.02476	-.03267	.02346	.02128
SCHOOLP	.06694	-.02413	-.02079	-.01648
TEACHRP	.10002	-.03851	-.03149	.03425
RELGITY	.04975	-.09723	-.01979	-.00180
AUTH	.04852	-.09704	-.00210	.04010
DELSC	-.13844	.11674	.07304	-.01585
DRUGS	-.05638	.10549	.01579	-.09049
ALCOHOL	-.02142	.05959	.01592	-.08570
GENDEL	-.05381	.06140	.02021	-.12743
SUICIDE	-.08772	.07764	.08346	.03535
PHYSREP	-.02144	-.04573	-.00128	-.00559
FAMILYC	-.11279	.20485	.09903	-.04130
RAGE	-.05995	.04619	.01218	-.01107
DEPRESS	-.10696	.07319	.05706	.05817
AFFECTD	.01250	.02246	-.02300	-.07080
SELFR	.11506	-.05204	-.08156	-.12748
GUILT	-.02096	-.00479	-.01020	-.03198
CLASSES	.09213	-.07150	.00758	-.02324
AVALE	-.07426	.02567	-.00174	-.08449
COLLO	.22272	-.06775	-.11726	-.06440
SMOKE	-.09015	.07995	.02645	-.10948
FS	.10718	-.10423	-.02557	-.00024
CF	.09454	-.07175	-.02003	.04123
PSTRESS	-.07554	.02962	.05978	.02186
FSTRESS	-.09944	.13482	.05590	-.02946
BONDING	.11585	-.10144	-.02623	.01925
STRESS	-.10075	.09471	.04645	-.00409
DELSEH	-.10444	.11298	.04203	-.11539
DX31	-.09322	-.01164	.07198	-.01505
DX32	-.01763	.02310	-.00068	.05671
DX33	.02958	.07341	-.00825	-.00325
DX34	.07172	-.04776	.01251	.00510
DX71	-.01898	.04243	-.00007	.04551
DX72	.08207	.01156	-.03455	.01339
DX73	.00703	-.01874	.07199	.02985
DX74	-.00737	-.01692	.01474	-.04572
DXSCORE	.00325	-.03316	-.06368	-.05412
DX[illegible]	.07056	-.06553	.05177	.02965
DX761	.07194	-.02641	.00297	.01499
DX762	.09564	-.05943	-.07346	.01026
DX763	-.04999	.09323	.01041	-.03537
DX1751	-.29711	-.07149	-.11500	-.13533
DX1752	1.00000	-.16366	-.26325	-.30025
DX1753	-.16366	1.00000	-.04555	-.07571
DX1754	-.26325	-.04555	1.00000	.43297
DX1761	-.30025	-.07571	.43297	1.00000
DX1762	-.01419	.03940	.02300	-.12399
DX1763	-.02914	.22601	-.00793	-.14060
DX1764	.26371	-.06846	-.25297	-.45556
X55	-.01003	.01081	-.06122	-.15458
BONDS	.11521	-.10129	-.02446	.01990
STRES	-.10368	.09272	.07699	.00196
DELSEHS	-.17234	.10425	.04001	-.10351
MXSC	-.04053	.03901	-.07591	-.14133
MXIXSBS	.07497	.03907	-.07470	-.12088
MXIXSBD	.00607	.04701	-.04670	-.13574
MXSD	-.11926	.11691	.06228	-.08487
SB	-.08126	.05595	.01691	-.15634
SXEEH	-.17067	.07865	.08495	-.05310
SXABC	-.10456	.07176	.07178	-.10406

	DX1762	DX1763	DX1764	X55
X1	.03295	.00366	.07047	.28126
X4	.03238	-.00278	-.04323	.05792
X5	-.04523	.03523	.08971	.97577
X6	.00373	-.04751	-.01172	.05037
PARCPC	-.06763	-.10462	.03520	-.15217
PARACC	-.06702	-.09696	.05508	-.17030
PARCONG	-.07378	-.10686	.05586	-.12456
FAITH	-.03637	-.04546	.03491	-.04202
POLICEP	-.04623	-.10670	.05905	-.25337
CHURCHP	-.03656	-.10197	.00744	-.16142
MINSTRP	-.03298	-.10105	.02467	-.11003
SCHOOLP	-.05600	-.04490	.05278	-.09246
TEACHRP	-.02477	-.10506	.03712	-.19134
RELGITY	-.01997	-.06977	-.00267	-.13574
AUTH	-.06991	-.07675	-.00242	-.22278
DELSC	.07720	.05609	-.06656	.06520
DRUGS	.01292	.09041	-.06601	.32306
ALCOHOL	.01580	.05549	-.02538	.30123
GENDEL	.04190	.03900	.00099	.33349
SUICIDE	.10083	.06093	-.09502	.15511
PHYSREP	.01679	.04370	.01694	.12548
FAMILYC	.06075	.14378	-.09773	.11205
RAGE	.07159	-.03249	-.03768	.12495
DEPRESS	.06305	.04944	-.05493	.09738
AFFECTD	.02257	.01629	-.00173	.08230
SELFR	-.07352	-.03350	.06351	.17654
GUILT	.00306	-.04397	.06390	.07044
CLASSES	-.03767	-.12719	.05609	-.13395
AVALE	-.00256	.03054	.04171	.34472
COLLO	-.05311	-.04505	.05644	-.08778
SMOKE	.06106	.05976	.00274	.34480
FS	-.08470	-.12609	.05973	-.17302
CF	-.05637	-.13446	.05056	-.27051
PSTRESS	.05245	.07189	-.06140	.12599
FSTRESS	.03098	.07140	-.07649	.12531
BONDING	-.08135	-.14972	.06315	-.23379
STRESS	.09424	.08462	-.07942	.14534
DELSEH	.05567	.09154	-.03598	.35510
DX31	-.07920	.01174	-.00973	.03116
DX32	.07325	-.02902	-.01530	-.07031
DX33	.03232	.02974	-.03119	-.01015
DX34	-.06449	-.07140	.02758	-.05401
DX71	.02402	-.01766	-.04869	-.04235
DX72	.02324	.02906	-.02034	-.02794
DX73	-.03403	-.05617	.03551	-.01714
DX74	-.04417	.05309	.02942	-.01120
DXSCORE	-.02585	.06421	.00073	-.03569
DX[illegible]	.01677	-.06224	.01035	.05157
DX761	-.04044	-.02322	.04053	-.03126
DX762	-.00372	-.04642	.02022	-.12579
DX763	-.00629	.05097	-.00611	.13790
DX1751	-.01858	.01273	-.00666	.25231
DX1752	-.01419	-.02914	.26371	-.01003
DX1753	.03940	.22601	-.06846	.01081
DX1754	.02300	-.00793	-.25297	-.06122
DX1761	-.12399	-.14060	-.45556	-.15458
DX1762	1.00000	-.07281	-.22322	-.03904
DX1763	-.07281	1.00000	-.26775	.03459
DX1764	-.22322	-.26775	1.00000	.07523
X55	-.03904	.03459	.07523	1.00000
BONDS	-.08563	-.14912	.06592	-.22593
STRES	.09764	.07327	-.07920	.15194
DELSEHS	.05170	.07226	-.02594	.34554
MXSC	.00156	.06705	.04225	.63512
MXIXSBS	-.00791	.00774	.10147	.76322
MXIXSBD	-.01095	.02302	.08339	.75160
MXSD	.08789	.09145	-.04949	.33932
SB	.01847	.03437	.02808	.40763
SXEEH	.03054	.02947	-.01546	.32289
SXABC	.03898	.01450	-.00184	.46511

Table B.9--Pearson Correlations for Males (continued).

	BONDS	STRES	DELBEHS	MXSS	MY1X5DS	MX1X5'D	MXSD	SB	SXBEH	SXABC
X1	-.13254	-.03264	.13951	.24120	.69227	.61241	.09408	.24850	.09693	.17248
X4	-.22303	.10350	.10041	.06966	-.07675	-.01071	.11934	.09891	.14244	.14071
X5	-.27235	.13872	.38091	.90489	.75936	.76472	.34506	.63502	.32462	.40546
Y5	-.05605	.12224	.08550	.05619	.02282	.03014	.11821	.07445	.05129	.07971
PARCDC	.75106	-.41615	-.31057	-.29182	-.10653	-.10917	-.40632	-.22767	-.17493	-.22447
PARACC	.78217	-.47674	-.35649	-.32701	-.06044	-.09012	-.40624	-.27079	-.20468	-.26215
PARCONG	.64556	-.30793	-.20139	-.23225	-.10555	-.08372	-.29025	-.12856	-.12135	-.16775
FAITH	.41108	-.19528	-.13325	-.11203	-.06295	-.04535	-.19201	-.07405	-.08085	-.06970
POLICEP	.63468	-.27719	-.49647	-.31980	-.15436	-.26837	-.48293	-.35918	-.27544	-.35406
CHURCHP	.57355	-.16722	-.30576	-.21328	-.09513	-.16978	-.30098	-.25528	-.22403	-.28435
MINSTRP	.54326	-.12122	-.16234	-.13556	-.04615	-.08549	-.17650	-.15314	-.14490	-.17086
SCHOOLP	.55467	-.24412	-.31654	-.17873	.01359	-.06115	-.37423	-.22593	-.20079	-.25620
TEACHSP	.65569	-.25511	-.40605	-.25975	-.03472	-.17203	-.40841	-.30968	-.25432	-.31274
RELGITY	.45539	-.10032	-.25095	-.15792	-.08796	-.16459	-.23470	-.20333	-.18532	-.22029
AUTH	.59277	-.19555	-.40433	-.28275	-.17066	-.26207	-.38307	-.31247	-.21890	-.31446
DELSC	-.32791	.33285	.54652	.20101	.03637	.17101	.57421	.10796	.19324	.25047
DRUGS	-.35206	.25905	.60770	.39338	.31423	.57018	.68022	.53317	.44028	.53039
ALCOHOL	-.33413	.27725	.72494	.34901	.25365	.46276	.65579	.52902	.39980	.49422
GENDEL	-.47778	.40748	.73971	.50309	.37559	.51177	.75504	.62546	.50172	.60076
SUICIDE	-.31212	.79400	.76222	.43051	.20709	.12642	.61246	.24464	.23390	.24096
PHYSHGR	-.29191	.53527	.15755	.22745	.09748	.00010	.35348	.04778	.06292	.09379
FAMILYC	-.26250	.54033	.29731	.28683	.11309	.05813	.46768	.15791	.17947	.21085
RACE	-.28215	.63103	.32202	.34499	.15177	.12121	.51251	.27201	.19026	.24742
DEPRESS	-.39133	.63247	.21737	.24501	.10323	.02536	.43278	.05584	.07183	.07045
AFFECTD	-.17709	.49277	.12509	.25955	.15940	.08575	.30543	.09589	.02103	.07973
SELFR	.15237	-.14121	.07542	.11264	.10295	.12226	-.03127	.22774	.09755	.15347
GUILT	-.02038	.38073	.08244	.16114	.09846	.03559	.27079	.10245	.04246	.07073
CLASSES	.50157	-.29290	-.35545	-.27526	-.00043	-.14514	-.39646	-.26983	-.25473	-.27044
AVALD	-.25679	.17234	.46365	.37282	.30650	.47351	.41097	.49353	.26611	.44341
COLLO	.36101	-.27597	-.32092	-.18246	-.01520	-.09316	-.34256	-.17923	-.20672	-.26572
SMOKE	-.38592	.30249	.77547	.42719	.29792	.51711	.70478	.57674	.39895	.57476
FB	.67328	-.47523	-.35239	-.37849	-.11340	-.11445	-.46908	-.23173	-.19758	-.25672
CB	.65980	-.30754	-.49740	-.31961	-.09075	-.20550	-.49100	-.37706	-.31899	-.40178
PSTRESS	-.39288	.87453	.35252	.44204	.20577	.09212	.64576	.21582	.20546	.22701
ESTRESS	-.40727	.94441	.39146	.42236	[illegible]	.12263	[illegible]	[illegible]	[illegible]	.22707
BONDING	.99371	-.45155	-.47909	-.37757	-.11742	-.18253	-.55052	-.34550	-.29404	-.37590
STRESS	-.46127	.99129	.41162	.45882	.27756	.12359	.74058	.25324	.22151	.26971
DELBEH	-.50242	.47318	.95219	.50830	.33073	.60347	.90613	.65438	.51616	.65249
DX31	-.06615	.06728	.06481	.04516	.02117	.03295	.07439	.09311	.10027	.09471
DX32	.02894	-.01495	-.05169	-.02942	-.01495	-.02973	-.03650	-.04078	-.01931	-.03416
DX33	.01054	.00914	.03592	-.00553	.01993	.02315	.07911	-.00754	-.01784	.01211
DX34	.04353	-.00175	-.11306	-.07140	-.04035	-.09170	-.11776	-.10058	-.05053	-.10538
DX71	-.02206	.01548	-.02344	-.03486	-.03429	-.04343	-.00607	-.02962	.00165	-.00149
DX72	.08559	-.07591	-.11354	-.05557	-.06346	-.03037	-.12347	-.13304	-.11579	-.11546
DX73	.02239	-.03569	.01843	-.01285	.00216	.00916	.00981	.01904	.05202	.00421
DX74	-.07325	.02740	.02239	.01834	-.01513	-.01553	.07250	.01483	.00506	.02704
DX52OR3	.07617	-.05254	-.02514	-.06125	-.01023	.00523	-.04588	-.02174	-.03657	-.03545
DX84	-.04607	.04244	.03298	.07316	.02291	.01055	.04550	.03450	.03555	.03650
DX751	.08765	-.05009	-.06958	-.05209	.02713	.00172	-.09059	-.09112	-.03542	-.08417
DX762	.27392	-.13474	-.29467	-.18507	-.10339	-.16743	-.30212	-.19170	-.17490	-.22059
DX763	-.23366	.14591	.24755	.17970	.09412	.15506	.24959	.19341	.13118	.20144
DX1751	-.14221	.10243	.20494	.22005	.10019	.14200	.19807	.24351	.21404	.21458
DX1752	.11621	-.10363	-.10234	-.04053	.03497	.00607	-.11928	-.05126	-.13067	-.10456
DX1753	-.10129	.09272	.10429	.03801	.02997	.04701	.11691	.05515	.03865	.07176
DX1754	-.02446	.07609	.04001	-.03591	-.02470	-.04570	.06226	.01601	.08695	.07178
DX1761	.01980	.00196	-.10351	-.14173	-.12086	-.11574	-.07497	-.15634	-.05310	-.10406
DX1762	-.08543	.09744	.05170	.00158	-.00791	-.01075	.08389	.01647	.03954	.03098
DX1763	-.14912	.07327	.07226	.06705	.00774	.02312	.00145	.03437	.02367	.01450
DX1764	.06062	-.07000	-.02404	.04225	.10147	.08359	-.04949	.02598	-.03546	-.00184
X5S	-.22007	.15104	.36054	.89612	.76822	.75160	.37892	.60963	.32659	.46511
BONDS	1.00000	-.44784	-.47281	-.37137	-.12430	-.18814	-.54394	-.33731	-.22150	-.36934
STRES	-.44784	1.00000	.42067	.50297	.23449	.12434	.75286	.25606	.23590	.27487
DELBEHS	-.47281	.42067	1.00000	.45658	.31432	.59516	.90298	.62464	.53292	.62365
MXSS	-.37137	.50297	.45658	1.00000	.76888	.69422	.58729	.62709	.37209	.51845
MX1X5BS	-.12430	.23449	.31432	.76888	1.00000	.57749	.33605	.52485	.24275	.39269
MX1X5BD	-.18814	.12434	.59516	.69422	.57749	1.00000	.48006	.63049	.37553	.51722
MXSD	-.54344	.75286	.90293	.58729	.33605	.48006	1.00000	.57595	.48743	.59475
SB	-.33731	.25606	.62464	.62709	.52485	.63049	.57595	1.00000	.65624	.65961
SXBEH	-.22150	.23590	.53292	.37209	.24275	.37553	.48743	.65629	1.00000	.72139
SXABC	-.36934	.27487	.62365	.51845	.39269	.51722	.59475	.65961	.72139	1.00000

Table B.10--Pearson Correlations for Females.

	X1	X4	X5	X6	PARCDC	PARACC	PARCONG	FAITH	POLICEP	CHURCHP	MINSTRP	SCHOOLP
X1	1.00000	-.02926	.45374	.01110	-.02039	.03825	-.07742	-.10225	-.07612	-.05915	-.06966	-.01794
X4	-.02926	1.00000	.00707	.03278	-.07831	-.09427	-.08843	-.01896	-.06004	-.25095	-.15909	-.09704
X5	.45374	.00707	1.00000	.05108	-.15289	-.09970	-.12799	-.07661	-.18599	-.16498	-.10619	-.10569
X6	.01110	.03278	.05109	1.00000	-.07990	-.10446	-.02028	.03569	-.08109	-.07424	-.04743	-.02747
PARCDC	-.02039	-.03631	-.15289	-.07990	1.00000	.72436	.38491	.23634	.28075	.25192	.20328	.21994
PARACC	.03825	-.09427	-.09970	-.10446	.72436	1.00000	.41190	.20037	.32737	.27147	.25631	.24375
PARCONG	-.07742	-.08843	-.12799	-.02028	.38491	.41190	1.00000	.13034	.17099	.16647	.14349	.13070
FAITH	-.10225	-.01895	-.07661	.03569	.27074	.20037	.13034	1.00000	.19379	.17250	.15991	.25377
POLICEP	-.07612	-.06004	-.18599	-.08109	.28075	.32737	.17099	.19379	1.00000	.39793	.39278	.34234
CHURCHP	-.05915	-.25095	-.16498	-.07424	.25192	.27147	.16647	.17250	.39793	1.00000	.56178	.26753
MINSTRP	-.06966	-.15909	-.10619	-.04743	.40328	.25631	.14349	.15991	.39278	.56178	1.00000	.23992
SCHOOLP	-.01794	-.09704	-.10549	-.02747	.21994	.24375	.13070	.25377	.34234	.26753	.23992	1.00000
TEACHRP	.04718	-.04571	-.14423	-.07201	.31476	.35155	.12333	.24372	.44492	.34504	.32527	.52382
FELSITY	-.00241	-.21893	-.12451	.00066	.17405	.27204	.09153	.12188	.31831	.58322	.50490	.21510
AUTH	-.06011	-.03513	-.19999	.00244	.37797	.33665	.24158	.19897	.53849	.47383	.35210	.28439
DELSC	-.10490	.02392	.06764	.07980	-.22653	-.27575	-.09653	-.07151	-.22063	-.16698	-.11973	-.20036
DRUGS	.24014	.03149	.30790	.07100	-.19333	-.17181	-.16579	-.12554	-.33692	-.27725	-.15917	-.22330
ALCOHOL	.09358	.06621	.28124	-.06547	-.21684	-.18950	-.11975	-.11551	-.28652	-.23991	-.14190	-.17132
CENDEL	.21033	.02679	.36952	.09905	-.32553	-.31403	-.24345	-.18314	-.32992	-.27903	-.19782	-.25256
SUICIDE	.09508	.11292	.20202	.03659	-.34804	-.30901	-.25342	-.19573	-.23772	-.21604	-.12606	-.25185
PHYSHBR	.02745	.03359	-.00022	.02513	-.22339	-.24574	-.16235	-.25474	-.07207	-.10647	-.04184	-.16532
FAMILYC	-.01992	.10170	.10222	.02375	-.17736	-.24518	-.37491	-.02990	-.09556	-.11343	-.05976	-.11630
RAGE	-.02431	.05984	.11150	.09328	-.37335	-.28774	-.19590	-.26305	-.16013	-.15714	-.08578	-.21503
DEPRESS	-.01510	.09555	.06399	.04052	-.47407	-.50598	-.31388	-.24607	-.16596	-.12576	-.15049	-.22328
AFFECTD	.08456	.01526	.06970	.03469	-.35535	-.34034	-.19727	-.12146	-.07243	-.05479	-.01239	-.11954
SELFR	.03042	-.10577	.11367	-.09626	.15209	.26918	.12511	.09577	.05726	.11078	.10211	.13633
GUILT	-.02633	.01696	.00476	.10252	-.13223	-.10157	-.09410	-.10497	.09674	.12123	.08599	.02535
CLASSES	-.01792	-.14743	-.09141	-.05346	.24142	.30609	.15112	.18323	.27303	.21464	.20646	.37986
AVALD	.39680	-.03452	.41995	-.06472	-.14470	-.09052	-.10754	-.15317	-.27074	-.18340	-.11301	-.14179
CCLLO	-.02155	-.26909	-.12297	-.19129	.24161	.35575	.15611	.04020	.22376	.23698	.15646	.30163
SMOKE	.11286	.10084	.38215	.05316	-.20244	-.25609	-.15518	-.12314	-.39470	-.34249	-.17203	-.24598
FB	-.03169	-.09860	-.15523	-.07584	.65289	.57503	.76342	.22935	.30957	.27675	.23959	.23346
CB	-.04729	[illegible]	-.19780	-.07310	.35620	.40551	.27570	[illegible]	[illegible]	[illegible]	.10446	.16723
PSTRESS	.07785	.09540	.15704	.03592	-.36250	-.30903	-.26112	-.28037	-.19505	-.20312	-.10614	-.26193
ESTRESS	.01289	.09327	.12196	.07516	-.47678	-.48982	-.37355	-.23525	-.17546	-.15129	-.10773	-.27227
READING	-.04624	-.15766	-.21032	-.09114	.75299	.76975	.62411	.30597	.57757	.55277	.53565	.51493
STRESS	.05194	.10476	.14176	.06395	-.47343	-.50111	-.35686	-.29159	-.20991	-.21724	-.12069	-.24317
DELBEH	.13602	.10994	.39920	.04713	-.34714	-.34032	-.20359	-.16572	-.47982	-.34678	-.21714	-.10746
DX31	.08364	.08675	.03844	.11870	-.10729	-.12698	-.09679	-.01745	-.00472	-.01062	-.02977	-.07590
DX32	.00626	-.00112	-.03529	-.03199	.07063	.02383	.00141	.00011	-.00362	-.02240	-.00565	-.01796
DX33	-.04655	-.05165	-.01622	-.01915	-.00190	-.00675	-.07840	-.01527	.00471	.03535	-.01530	.07464
DX34	-.07605	-.07621	.00420	-.05975	.08310	.08048	.14604	.02342	.04412	.02274	.04578	.06502
DX71	-.01498	-.05710	.00195	-.13203	-.07651	-.00345	.00827	-.00183	.04933	.01611	.01580	-.01066
DX72	.02766	.01263	-.01593	-.18749	.06254	.06090	.00197	-.02027	.00430	.02378	.02844	.04493
DX73	.03599	-.04977	-.03896	-.18659	.07166	-.00152	.03390	.00252	-.03359	.07365	.01351	-.03592
DX74	-.01600	.03210	.00443	.03166	-.02499	-.02507	-.01297	-.02284	.07081	-.00711	-.02110	-.01340
DX62CR3	.00567	-.06949	.06457	-.24758	.07267	.09852	-.01957	-.07194	.00137	.00468	-.01246	.00279
DX64	.00345	.08979	-.06050	.38437	-.06244	-.07907	.00704	.02366	-.02974	-.01242	.00072	-.00210
DX761	.10006	.01203	-.01877	-.07543	.05293	.06975	.02419	-.01177	.10523	.09543	.02007	.02257
DX762	-.04517	-.11222	-.08967	-.01390	.41078	.24300	.00592	.05899	.14053	.13596	.12288	.25495
DX763	-.01706	.07624	.04519	.01204	-.19391	-.20449	-.05228	.00952	-.13119	-.13569	-.07361	-.12555
DX1751	.00200	.07700	.27571	.00975	-.18879	-.16317	-.12694	-.01520	-.06046	-.05641	-.03995	-.14555
DX1752	.02346	-.09768	-.04933	-.00457	.13495	.15418	.09155	.02162	.08865	.10327	.11322	.14130
DX1753	-.02060	.02766	-.03044	-.02270	.02392	.00148	.00273	-.05302	-.02626	-.02644	-.03157	-.00760
DX1754	-.01673	.05164	-.06512	.03566	-.00721	-.02576	-.01250	.03376	-.03928	-.04492	-.05579	-.06557
DX1761	-.03970	.08501	-.12563	.00105	-.01241	-.03470	-.02625	-.02121	-.01373	-.02149	-.06541	-.05786
DX1762	-.02135	-.02175	.03012	-.03500	-.07606	-.04459	-.02904	.01998	-.06675	-.07062	-.07091	-.01556
DX1763	-.01521	.04559	.03694	.02453	-.00358	-.11537	-.03409	-.04074	-.06909	-.06957	-.05766	-.03502
DX1764	.03378	.01970	.00411	-.02900	.03919	.01547	-.02005	-.02172	-.02451	-.00771	.00312	.00700
PSS	.41123	.02045	.97693	.05556	-.17866	-.09377	-.12840	-.07079	-.16335	-.14957	-.09436	-.11525
BONDS	-.05257	-.15563	-.20625	-.09398	.75225	.75522	.61974	.30933	.57212	.58393	.54034	.53586
STRES	.05080	.10445	.14445	.06084	-.46566	-.50060	-.35160	-.28206	-.20194	-.21030	-.11056	-.27752
DELBEHS	.14398	.10205	.36520	.04086	-.32218	-.32744	-.12740	-.15066	-.43061	-.35377	-.20109	-.31685
PSS	.39461	.04727	.50102	.07434	-.31345	-.27671	-.25557	-.18071	-.24351	-.21390	-.11476	-.21256
MAXINDS	.76459	-.01140	.60474	.04127	-.05900	.00960	-.07939	-.12573	-.07483	-.04979	-.01665	-.05188
MAXINSBD	.69718	.00607	.72822	.03754	-.05556	.00498	-.05334	-.11194	-.19063	-.13348	-.06927	-.08166
MAXSD	.11420	.11793	.33154	.06366	-.44781	-.46310	-.30451	-.27505	-.39913	-.34444	-.19117	-.34416
SE	.41356	.04194	.70171	.04926	-.21121	-.17107	-.14428	-.15226	-.24093	-.22434	-.12672	-.15555
SXEEM	.19416	.09424	.28979	.01316	-.09949	-.11576	-.09797	-.08940	-.11119	-.10504	-.13576	-.12560
SXA3C	.31931	.07790	.45409	.04704	-.20036	-.17759	-.14736	-.13774	-.18000	-.20554	-.12560	-.17191

Table B.10--Pearson Correlations for Females (continued).

	TEACHRP	RELGITY	AUTH	DELSC	DRUGS	ALCOHOL	GENDEL	SUICIDE	PHYSWBR	FAMILYC	RAGE	DEPRESS
X1	.04718	-.00241	-.06611	-.10490	.24014	.09358	.21073	.09508	.02745	-.01992	-.02431	-.01510
X4	-.06571	-.21893	-.08913	.09392	.03149	.06627	.09639	.11292	.03359	.10170	.05984	.09555
X5	-.14423	-.12451	-.19999	.06764	.30790	.29106	.36952	.20202	-.00022	.10222	.11180	.06389
X6	-.03201	.00046	.00244	.07980	.07100	-.06567	.09935	.03689	.02513	.02375	.09328	.06052
PARCDC	.31476	.17405	.33797	-.22653	-.19333	-.21684	-.32853	-.34904	-.22839	-.17776	-.33375	-.47607
PARACC	.35155	.27294	.33655	-.27578	-.17193	-.18050	-.31403	-.39391	-.24574	-.24518	-.28734	-.50598
PARCONG	.19333	.09153	.24168	-.08653	-.16579	-.11978	-.24345	-.25342	-.16235	-.37491	-.18580	-.31358
FAITH	.24372	.12153	.19897	-.07151	-.17554	-.11551	-.18314	-.19533	-.25474	-.02980	-.26305	-.24507
POLICEP	.44492	.31331	.53549	-.22063	-.33692	-.29651	-.32992	-.23772	-.07207	-.09666	-.16013	-.16896
CHURCHP	.34596	.59592	.43393	-.16695	-.27725	-.23981	-.27993	-.21604	-.10647	-.11343	-.15714	-.19536
MINSTRP	.32527	.50490	.35210	-.11973	-.15917	-.14190	-.19982	-.12606	-.04184	-.05976	-.09378	-.15049
SCHOOLP	.52382	.21510	.28439	-.20076	-.22330	-.17171	-.28254	-.25185	-.16532	-.11430	-.21603	-.22928
TEACHRP	1.00000	.27317	.41109	-.24651	-.24691	-.27522	-.32006	-.21498	-.11933	-.10073	-.23293	-.27951
RELGITY	.27317	1.00000	.36025	-.09522	-.19121	-.18741	-.15503	-.10532	-.05741	-.10097	-.04056	-.09240
AUTH	.41109	.36025	1.00000	-.11474	-.30068	-.25578	-.30477	-.22690	-.03120	-.09068	-.11420	-.15341
DELSC	-.24651	-.09522	-.11474	1.00000	.17501	.16063	.27200	.26030	.12349	.14342	.24746	.31960
DRUGS	-.24691	-.19121	-.30068	.17501	1.00000	.46899	.49624	.31239	.10553	.17474	.15985	.12136
ALCOHOL	-.23522	-.18741	-.35533	.16063	.46899	1.00000	.42237	.27373	.00656	.13270	.23177	.15543
GENDEL	-.32006	-.15503	-.30477	.27200	.49624	.42237	1.00000	.40490	.15904	.25651	.41003	.27110
SUICIDE	-.21498	-.10532	-.22690	.26030	.31239	.27373	.40490	1.00000	.26020	.25970	.47158	.47306
PHYSWBR	-.11933	-.05741	-.03120	.12349	.10556	.00656	.15904	.26020	1.00000	.12085	.27956	.34331
FAMILYC	-.10073	-.10097	-.09068	.14342	.17434	.13270	.25651	.25970	.12085	1.00000	.19570	.22598
RAGE	-.23293	-.04058	-.11420	.24746	.15985	.23177	.41003	.47158	.27965	.19570	1.00000	.47386
DEPRESS	-.27951	-.09240	-.15341	.31960	.12176	.15643	.27110	.47306	.34331	.22698	.47186	1.00000
AFFECTD	-.08799	.02391	-.04407	.17006	.07898	.11725	.17412	.37526	.24171	.12440	.32518	.59925
SELFR	.09218	.07177	.02531	-.19682	.05711	.04776	-.00578	-.14816	-.26154	-.06748	-.11956	-.32153
GUILT	.02990	.19109	.10974	.09505	-.00146	.01503	.21402	.22497	.21498	.11946	.44572	.33201
CLASSES	.46170	.11676	.18454	-.26777	-.13196	-.13142	-.24216	-.23347	-.16479	-.08299	-.20108	-.30646
AVALD	-.17961	-.10003	-.27192	.05577	.38013	.37706	.38210	.19959	.02673	.05648	.13279	.06205
COLLO	.29315	.12124	.10922	-.30170	-.15166	-.11120	-.26879	-.27279	-.12327	-.19364	-.19409	-.30584
SMOKE	-.34000	-.21975	-.32772	.26982	.57137	.50445	.52481	.33302	.10799	.17450	.26322	.22126
F9	.34266	.19574	.37001	-.23064	-.21740	-.20721	-.38919	-.39821	-.25565	-.37075	-.32596	-.51671
CE	.74258	.53027	.56245	-.26667	-.34734	-.30047	-.30534	-.29395	-.14439	-.11773	-.24148	-.58942
PSTRESS	-.21032	-.10302	-.19464	.24161	.26416	.17703	.35596	.81041	.73747	.27770	.47221	.52745
ESTRESS	-.24526	-.06990	-.14053	.31127	.15606	.22682	.39011	.56514	.35536	.52173	.70761	.52228
BONDING	.62401	.41302	.54541	-.29457	-.32950	-.29897	-.44845	-.41998	-.24586	-.29175	-.34424	-.45592
STRESS	-.25716	-.09401	-.18985	.31173	.25509	.22856	.47070	.77002	.65315	.42640	.66306	.75522
DELSEH	-.35763	-.24134	-.36121	.53546	.74119	.73779	.70403	.47254	.17181	.13781	.35305	.30169
DX31	-.03649	.07933	.06460	.09973	.00022	.02998	.04040	.10571	.03322	.13700	.08928	.13636
DX32	-.02726	.05162	-.01629	.02228	-.01742	-.04015	.01543	-.02199	.03133	-.04445	-.01595	.00543
DX33	.04351	-.00955	.02090	-.03513	-.00563	-.03445	-.07190	-.06165	.07524	.00492	.00247	-.00325
DX34	.04660	-.01676	-.07541	-.08186	-.01708	-.01215	-.02030	-.06981	-.06769	-.12294	-.08536	-.12379
DX71	-.00694	.01552	.00313	-.02775	-.03085	.03649	-.00218	-.00541	-.01177	-.00219	-.01200	-.01517
DX72	.00250	.06055	.02940	-.05346	-.02607	.02781	-.00976	-.01583	-.02419	.00448	.07699	-.04524
DX73	-.00542	-.02376	-.01651	-.01057	.02831	-.03045	-.00202	-.00145	.01036	-.01526	-.07127	.01497
DX74	-.03245	-.01909	-.03341	-.01255	.01614	-.00588	.01062	-.01495	.00007	.02200	-.01534	-.01345
DX52OR3	.02545	-.02456	.01331	-.05255	-.00421	.01574	-.05539	-.01502	-.00374	.03184	.03161	-.07101
DX54	-.02516	.01157	-.01551	.06327	.01917	-.02890	.05673	.01696	.01391	-.02749	-.02183	.03052
DX751	.13027	.07134	.13361	-.27297	-.07564	-.04903	-.07010	-.04186	.00265	-.04617	-.05549	.00007
DX752	.20285	.02363	.07772	-.22706	-.18429	-.12979	-.24626	-.21054	-.10720	-.14414	-.16513	-.25102
DX753	-.18702	-.06509	-.12703	.26022	.11857	.11052	.20058	.14630	.07356	.10621	.16008	.17523
DX1751	-.11466	-.03173	-.09592	.10000	.05734	.10858	.17681	.20479	.06213	.11070	.11942	.14533
DX1752	.16075	.00010	.10470	-.15024	-.04175	-.05277	-.10586	-.15209	-.04093	-.09372	-.07655	-.14588
DX1753	.01532	-.06496	-.01207	.04975	.02275	.00644	-.00006	.07242	.00670	.17069	.03271	-.03378
DX1754	-.03170	-.06106	-.00037	.04510	-.00352	.00897	.02869	.05516	.00730	.05578	.01583	-.00300
DX1761	-.03706	-.04276	-.01777	.08072	-.02001	-.02287	-.01394	.01928	.00691	.04649	-.00398	.04205
DX1762	-.02566	-.06575	-.02364	-.00172	.00497	.05863	.02038	.04513	-.00554	.04019	-.01194	-.07222
DX1763	-.03705	-.09125	-.02495	.04650	.05850	.07242	.01750	.02541	-.01455	.08260	.02438	.05390
DX1764	.03688	-.04791	-.01320	-.04326	-.02536	-.02306	.00027	-.01504	.04743	-.06618	-.00995	-.04511
X5S	-.13516	-.11347	-.17349	.07569	.27552	.24163	.34176	.10000	.00203	.11244	.10717	.06035
BONDS	.61914	.41055	.55022	-.29453	-.32284	-.29384	-.47091	-.41126	-.25028	-.28100	-.33953	-.45905
STRES	-.28276	-.09387	-.17676	.31142	.24287	.23009	.47096	.79171	.67049	.42977	.65500	.73324
DELSEHS	-.37021	-.22459	-.35315	.50650	.77850	.72564	.69296	.47710	.12225	.23533	.34031	.27726
MX5S	-.22250	-.14573	-.24026	.17240	.37362	.32417	.46442	.49671	.26013	.24314	.35494	.33962
MAIXSDS	.00357	-.00544	-.17689	-.00591	.29132	.17997	.32865	.28331	.15516	.10552	.14443	.13705
MXIXSBE	-.07460	-.07694	-.15405	.12689	.51528	.40989	.45616	.22248	.02409	.07324	.10772	.04665
MXSD	-.38565	-.20447	-.33344	.51399	.65627	.62179	.69324	.67608	.35115	.36998	.55122	.53904
SE	-.15206	-.12398	-.24750	.13367	.44698	.41511	.55424	.30753	.07650	.16241	.22841	.16594
SXEEH	-.10007	-.09629	-.11485	.12417	.27186	.22059	.36720	.24656	.09515	.10327	.18175	.09360
SXABC	-.16140	-.09353	-.18526	.14235	.40560	.32972	.48523	.28546	.10961	.15315	.22384	.16582

Table B.10--Pearson Correlations for Females (continued).

	AFFECTD	SELFS	GUILT	CLASSES	AVALD	COLLO	SMOKE	FB	CB	PSTPLSS	ESTRESS	BONDING
X1	.08456	.03642	-.02633	-.01792	.39680	-.02155	.11286	-.03169	-.04729	.07755	.01289	-.04524
X4	.01526	-.10837	[illegible]	-.14743	[illegible]	-.26709	[illegible]	[illegible]	-.16500	.09470	.09327	-.15764
X5	.06930	.11367	.00476	-.09141	.41995	-.12287	.39215	-.15823	-.19780	.12904	.12196	-.21032
X6	.03465	-.08626	.10252	-.05346	-.04432	-.18129	.05316	-.07884	-.07210	.03602	.07516	-.09114
PARCDC	-.35535	.19209	-.17223	.24142	-.14470	.24161	-.29244	.65289	.35620	-.36250	-.47578	.75289
PARACC	-.34034	.26913	-.10157	.30609	-.09052	.35575	-.28699	.63693	.40651	-.39903	-.48982	.76935
PARCONG	-.19727	.12511	-.09410	.15112	-.10754	.15611	-.15518	.76342	.22599	-.26112	-.37355	.62411
FAITH	-.12146	.08577	-.10497	.15323	-.15317	.04020	-.12314	.22935	.28859	-.28037	-.23525	.30597
POLICEP	-.07243	.08726	.09674	.27303	-.23034	.22373	-.32470	.30957	.69665	-.17598	-.17546	.57757
CHURCHP	-.05479	.11073	.12123	.23464	-.18340	.27384	-.34249	.27535	.74640	-.20312	-.15129	.55277
MINSTRP	-.01239	.10211	.03589	.20856	-.11301	.15845	-.17203	.27959	.70446	-.10614	-.10773	.53565
SCHOOLP	-.11964	.13433	.02535	.37986	-.14179	.30143	-.24598	.27646	.66720	-.24103	-.23927	.51433
TEACHRP	-.09799	.03213	.02900	.46170	-.17961	.29315	-.34000	.34268	.74256	-.21072	-.24606	.62401
RELGITY	.02351	.07137	.19102	.11860	-.10003	.12120	-.21975	.19524	.53027	-.10302	-.06990	.41302
AUTH	-.04467	.02531	.10374	.15464	-.27182	.10272	-.32782	.37001	.56245	-.19444	-.14053	.54541
DELSC	.17006	-.19682	.09505	-.26727	.06577	-.30171	.26982	-.23004	-.26657	.24181	.31127	-.29457
DRUGS	.07856	.05711	-.00146	-.13196	.38013	-.15165	.57137	-.21740	-.34734	.26418	.18506	-.32950
ALCOHOL	.11725	.04736	.01603	-.13142	.37706	-.11120	.50445	-.20921	-.30047	.17903	.22692	-.29397
GENDEL	.17412	-.00578	.21402	-.26216	.38210	-.26970	.52481	-.35919	-.39534	.35596	.39011	-.44865
SUICIDE	.33026	-.14615	.22497	-.23347	.19959	-.23270	.33302	-.39821	-.29395	.61041	.54514	-.41598
PHYSWOR	.24131	-.26154	.21409	-.16479	.07693	-.12320	.10799	-.25566	-.14439	.78947	.35876	-.24556
FAMILYC	.12440	-.06768	.11946	-.08299	.09648	-.19360	.17450	-.33075	-.13773	.27990	.52173	-.29175
FACE	.32515	-.11956	.44572	-.20109	.17239	-.19600	.26322	-.32596	-.24148	.47271	.70761	-.34424
DEPRESS	.59920	-.32153	.33201	-.30648	.06205	-.30584	.22126	-.51571	-.28942	.52740	.82228	-.45592
AFFECTD	1.00000	-.16489	.30075	-.12580	.05259	-.16575	.15034	-.35643	-.09755	.36228	.75486	-.28843
SELFS	-.16489	1.00000	-.11575	.21670	.15357	.31575	.01583	.22620	.14862	-.25435	-.24023	.22872
GUILT	.30075	-.11575	1.00000	.01290	.02932	-.05455	.05953	-.13454	.10115	.27505	.42583	-.03436
CLASSES	-.12580	.21670	.01290	1.00000	-.07596	.46770	-.22750	.27625	.43800	-.24985	-.25398	.41569
AVALD	.05250	.15357	.02932	-.03556	1.00000	-.22456	.34767	-.14246	-.23662	.14406	.12015	-.22075
COLLO	-.16275	.31575	-.05455	.46779	-.02456	1.00000	-.29107	.29499	.35146	-.22382	-.30389	.38264
SMOKE	.15034	.01583	.05953	-.22750	.34767	-.29107	1.00000	-.29398	-.41916	.27684	.28512	-.41348
FB	-.35643	.22620	-.13454	.27625	-.14246	.29499	-.29398	1.00000	.39398	-.41065	-.54276	.87305
CB	-.09755	.14562	.10115	.43800	-.23662	.35148	-.41918	.39398	1.00000	-.27607	-.26842	.79597
PSTRESS	.36228	-.25435	.27505	-.24985	.14406	-.22380	.27684	-.41045	-.27607	1.00000	.56920	-.41558
ESTRESS	.75486	-.24023	.42583	-.25398	.12015	-.30389	.29512	-.54276	-.26842	.56920	1.00000	-.50151
BONDING	-.28843	.22872	-.03436	.41629	-.22075	.39254	-.41648	.87305	.79597	-.41658	-.50151	1.00000
STRESS	.62577	-.27974	.30545	-.28428	.14942	-.29598	.31624	-.53653	-.30743	.89098	.88046	-.51812
DELSEN	.19207	-.02235	.09245	-.29179	.41029	-.31437	.83293	-.35774	-.48094	.35720	.38202	-.49361
DX31	.07325	-.15659	.04753	-.16643	.00784	-.34546	.05351	-.13383	-.04516	.05791	.15209	-.11238
DX32	.01614	-.03171	-.00162	-.01163	-.07258	-.04507	.01109	.02191	-.02385	.00906	-.01159	.00164
DX33	.00114	.05355	.03125	.04255	-.02573	.13397	-.05900	-.01990	.03081	-.01791	.00179	.00342
DX34	-.05009	.12539	-.07195	.13778	-.00340	.24379	-.04834	.12996	.06212	-.09595	-.14611	.11393
DX71	.01348	.05503	-.02440	.02358	.07555	.02304	-.00479	-.01338	.01702	-.00372	.00799	.00031
DX72	.00200	.07351	.01716	.08245	.01291	.05177	-.07694	.04834	.04724	-.02680	.01333	.05718
DX73	-.01158	.02115	-.07330	-.02920	.01965	.02791	-.00355	.02679	.00315	.00540	-.02754	.02046
DX74	-.02476	-.05404	.02156	-.05951	.07395	-.01200	.01534	-.02517	-.01526	-.00952	-.01262	-.02476
DXE2CR3	-.00729	.05757	-.04293	.04527	.01039	.07577	-.00018	.05538	.00654	-.01188	.00789	.07299
DX54	.00690	-.07903	.05674	-.05374	-.01878	-.07998	.00639	-.05690	-.01902	.01973	-.00335	-.04765
DX751	.01365	-.07355	-.01404	-.00006	-.07203	-.01114	-.12944	.05721	.09977	-.02513	-.02996	.09119
DX752	-.12348	.18605	-.01945	.33946	-.04944	.42507	-.21726	.21655	.24404	-.20005	-.24358	.27354
DX753	.05234	-.00741	.04253	-.24826	.05036	-.27080	.24045	-.17442	-.18437	.17346	.18588	-.21510
DX1751	.07305	-.01077	.02639	-.14340	.07119	-.29125	.20088	-.17148	-.11806	.16396	.16103	-.15298
DX1752	-.01374	.12541	.02852	.18028	-.00145	.29172	-.14700	.14741	.17140	-.12223	-.11611	.18903
DX1753	-.06694	.01589	-.03020	.00076	.01240	-.01645	.01090	.01212	-.02010	.02481	.01618	-.00280
DX1754	-.01341	-.01972	-.04754	-.05916	-.01421	-.00571	.01799	-.01770	-.06689	.04012	.01730	-.04728
DX1761	-.02271	-.04435	-.05022	-.06155	-.02867	-.02591	-.04295	-.02899	-.05475	.01649	.02011	-.04346
DX1762	-.03241	-.00759	-.03354	-.02166	.07443	-.02384	.02926	-.04385	-.06123	.02548	-.01067	-.06173
DX1763	.05415	.01416	.02565	-.00694	.01322	-.06521	.04170	-.05206	-.07570	.00601	.07534	-.09465
DX1764	-.02925	-.01345	-.02519	-.01093	-.00420	.01698	-.00572	.01301	.00710	.01615	-.05315	.01238
XSS	.04917	.02103	.00949	-.09260	.37024	-.14097	.33902	-.15048	-.19312	.12370	.11453	-.19734
ECNDS	-.29345	.23292	-.03798	.41234	-.21934	.37476	-.41340	.84307	.79264	-.41571	-.50166	.99367
STRES	.60016	-.24714	.37772	-.27587	.15073	-.25685	.31606	-.53056	-.29759	.89101	.86249	-.50912
DELSENS	.17306	-.01924	.07495	-.27371	.40303	-.31103	.80562	-.37975	-.46434	.35176	.36270	-.47286
MXSS	.29064	-.00125	.14773	-.19677	.41269	-.22153	.46605	-.34577	-.29143	.46997	.44235	-.38405
MX1XSES	.17467	.04524	.09257	-.05668	.41296	-.27784	.25563	-.05809	-.05247	.27585	.20253	-.06596
MX1XSED	.06150	.10313	.01165	-.07905	.47891	-.12240	.49118	-.04476	-.14950	.15696	.10129	-.11230
MASD	.41662	-.12597	.23454	-.32242	.35417	-.35398	.77547	-.48376	-.46676	.66619	.66347	-.57262
SB	.16719	.05073	.11675	-.15314	.47929	-.20758	.50310	-.27454	-.27218	.24372	.25671	-.29589
SXFEM	.09136	-.02609	.07222	-.10942	.35023	-.15527	.24766	-.12706	-.19100	.20762	.16745	-.13516
SXABC	.15645	-.01491	.10642	-.13476	.36825	-.26615	.42873	-.21392	-.23559	.25174	.24828	-.26588

Table B.10--Pearson Correlations for Females (continued).

	STRESS	DELBEH	DX31	DX32	DX33	DX34	DX71	DX72	DX73	DX74	DX82OR3	DX84
X1	.05184	.13602	.08364	.00626	-.04858	-.07805	-.01498	.02766	.03599	-.01800	.00567	.00345
X4	.10496	.10994	.08638	-.00312	-.09165	-.07621	-.05710	.01263	-.04977	.03210	-.06949	.08779
X5	.14176	.32820	.03864	-.03528	-.01622	.00420	.00198	-.01593	-.03696	.00443	.06457	-.06050
X6	.06395	.04713	.11570	-.03189	-.01915	-.05875	-.38293	-.18749	-.15659	.03146	-.24758	.38437
PARCPC	-.47343	-.34716	-.10729	.03063	-.00190	.08310	-.03681	.06254	.03166	-.02499	.07267	-.06244
PARACC	-.50111	-.34032	-.12896	.02383	-.00435	.08048	-.00345	.06090	-.00152	-.02507	.09852	-.09907
PARCONG	-.35656	-.20359	-.09639	.00141	-.03840	.14604	.00827	.00187	.07380	-.01497	-.01967	.00704
FAITH	-.29159	-.16572	-.01765	.00011	-.01527	.02342	-.00133	-.02027	.00252	-.02284	-.03194	.02356
POLICEP	-.20901	-.43952	-.00472	-.00862	.00471	.04412	.04933	.00430	-.03359	.07081	.00137	-.02974
CHURCHP	-.21724	-.36673	-.01062	-.02240	.03535	.02274	.01811	.02379	.03365	-.00711	.00468	-.01242
MINSTRP	-.13069	-.21714	-.02977	-.00565	-.01630	.04578	.01690	.02864	.01351	-.02110	-.01266	.00032
SCHOOLP	-.28317	-.30746	-.07590	-.01798	.07494	.03602	-.01056	.04493	-.00582	-.01640	.00239	-.00260
TEACHRP	-.25716	-.38763	-.07349	-.02726	.04351	.04660	-.00694	.04256	-.00642	-.03145	.02548	-.02516
RELGITY	-.09501	-.24134	.03933	.05162	-.00955	-.06576	.01592	.05058	-.02376	-.01909	-.02486	.01187
AUTH	-.18955	-.34121	.06460	-.01629	.02090	-.03541	.00313	.02940	-.01651	-.03341	.01331	-.01951
DELSC	.31133	.53565	.05973	.02228	-.07538	-.09186	-.02775	-.05348	-.01087	-.01255	-.05285	.06327
DELSS	.25509	.74119	.00322	-.01742	-.00563	-.01708	-.03085	-.02607	.02831	.01614	-.00421	.01917
ALCOHOL	.22950	.73779	.02998	-.04015	-.07445	-.01215	.03649	.02785	-.03065	-.00068	.01634	-.02396
GENDEL	.42070	.70403	.06040	.01543	-.03180	-.09030	-.00238	-.00976	-.00202	.01062	-.05539	.05573
SUICIDE	.77002	.47284	.10571	-.02109	-.06165	-.06981	.00541	-.01883	-.00145	-.01495	-.01502	.01596
PHYSHDR	.65315	.13181	.03328	.07173	.07524	-.06769	-.01177	-.02419	.01036	.00907	-.00374	.01791
FAMILYC	.42546	.23791	.13730	-.04465	.00492	-.12294	-.00219	.00448	-.01526	.02200	.03184	-.02749
RACE	.06306	.35305	.08978	-.01595	.00247	-.08576	-.01200	.07699	-.07127	-.01574	.03141	-.02153
DEPRESS	.75622	.30109	.13436	.00543	-.00325	-.12579	.01617	-.04624	.01497	-.01345	-.02101	.07052
AFFECTD	.62577	.19207	.07525	.01614	.00114	-.08009	.01858	.00200	-.01188	-.02476	-.00729	.00550
SELFF	-.27934	-.02336	-.15569	-.03171	.09355	.12509	.05893	.07351	.02115	-.05404	.05757	-.07903
GUILT	.39545	.09245	.04753	-.00162	.07125	-.07195	-.02460	.01716	-.03330	.05176	-.04293	.05574
CLASSES	-.28426	-.29179	-.16663	-.01183	.04255	.13778	.02358	.09245	-.02920	-.05951	.04527	-.05574
AVALD	.14942	.41029	.07054	-.03255	-.02573	-.00340	.07555	.01291	.01965	.03395	.01039	-.01278
COLLC	-.29656	-.31433	-.34646	-.04801	.13397	.24379	.02304	.08177	.02792	-.01208	.07573	-.07788
SMOKE	.31224	.83293	.05351	.01109	-.07390	-.04534	-.00479	-.07694	-.00355	.01574	-.00018	.00479
FB	-.53051	-.35774	-.13383	.02191	-.01990	.12996	-.01338	.04534	.02879	-.02317	.05538	-.05550
CB	-.30743	-.48094	-.04516	-.02385	.07091	.06212	.01702	.04724	.00315	-.01526	.00054	-.01902
PSTRESS	.89098	.35720	.08791	.00506	-.01791	-.08505	-.00372	-.02690	.00540	-.00952	-.01198	.01733
FSTRESS	.88046	.33207	.15209	-.01159	.00179	-.14611	.00709	.01333	-.02954	-.01462	.00789	-.01335
BONDING	-.51072	-.40361	-.11219	.00164	.00342	.11393	.00071	.05718	.02046	-.02476	.03399	-.04768
STRESS	1.00000	.41695	.13468	-.00346	-.00934	-.13025	.00227	-.00810	-.01320	-.01246	-.00250	.00370
DELBEH	.41695	1.00000	.06610	-.00375	-.04992	-.06577	-.00638	-.02537	-.00760	.00547	-.02148	.02571
DX31	.13468	.06610	1.00000	-.45979	-.22999	-.31118	.00891	-.04266	-.06483	.01541	-.06866	.02740
DX32	-.00346	-.00375	-.45979	1.00000	-.22526	-.30497	.02492	.01469	.01277	-.00605	-.03095	.02242
DX33	-.00934	-.04992	-.22909	-.22526	1.00000	-.15268	-.07220	.03195	-.01216	.00472	.04079	-.02402
DX34	-.13025	-.06577	-.31113	-.30497	-.15268	1.00000	.00362	-.00818	.05655	.00540	.03571	-.03550
DX71	.00227	-.00675	.00891	.02492	-.07220	.00362	1.00000	-.09140	-.09073	-.07609	-.06115	-.33829
DX72	-.00810	-.02537	-.06266	.01469	.03195	-.00818	-.09140	1.00000	-.34579	-.30237	.03488	-.05512
DX73	-.01320	-.00760	-.06480	.01277	-.01216	.05655	-.09073	-.34579	1.00000	-.29984	.11153	-.04554
DX74	-.01246	.00547	.01541	-.00605	.00472	.00540	-.07609	-.30237	-.29984	1.00000	-.07944	.10301
DX82OR3	-.00250	-.02143	-.06866	-.03095	.04079	.03571	-.06115	.03488	.11153	-.07944	1.00000	-.90305
DX84	.00370	.02671	.06740	.02242	-.02402	-.03550	-.33829	-.05512	-.06554	.10301	-.90305	1.00000
DX751	-.03096	-.10274	.08714	-.02309	-.02130	-.04373	.00357	-.02071	-.01709	.03159	.02191	-.02249
DX752	-.25463	-.24911	-.16744	.03325	.04286	.10122	.00371	.01531	.02298	-.02464	.05647	-.05543
DX753	.18249	.26375	.07396	-.01616	-.00518	-.05443	-.07657	.03721	-.01035	-.01660	-.07709	.09822
DX1751	.18030	.13915	.14239	.02454	-.06790	-.09564	.05449	-.01773	-.00757	-.01163	-.00188	-.01311
DX1752	-.13349	-.14533	-.16907	.01082	.07367	.09034	-.03096	.07075	-.05626	-.00430	.00366	.00561
DX1753	.02325	.02567	.05362	-.02785	-.07922	-.07243	-.01804	-.03354	.07894	-.02207	-.02347	.02964
DX1754	.07615	.02715	.04893	.02376	-.07754	-.04325	-.00079	-.01476	.01896	-.02475	.05441	-.05000
DX1761	.02041	-.00614	.04171	-.00927	.00178	.00744	-.07351	.02454	.02820	-.01617	.00988	.00542
DX1762	.00380	.04575	.07040	.00222	-.07032	-.04604	.07649	.02426	-.01905	.00195	.05567	-.06458
DX1763	.04623	.06905	-.02190	-.01702	.07826	-.02674	-.01454	.00321	.07165	-.01971	.00066	-.00145
DX1764	-.01085	-.02842	-.03539	.02047	-.01390	.05470	.02257	-.02398	-.07346	.04775	-.02262	.01270
ASS	.13435	.34955	.05346	-.03446	-.01974	-.00174	.00449	-.00597	-.01675	-.00598	.06672	-.06811
BONDS	-.51675	-.45701	-.11555	.00678	-.00355	.13120	.00202	.05718	.02066	-.02796	.04174	-.05130
STRES	.99009	.41645	.13352	-.01748	-.01301	-.11574	.00476	-.00700	-.01238	-.01723	-.00735	.01119
DELBEHS	.40291	.98514	.06271	-.00254	-.05271	-.05909	-.00936	-.02612	-.00023	.00602	-.02259	.02750
MXSS	.51529	.49774	.08907	-.03169	-.02149	-.05360	-.00147	-.01544	-.02944	.00027	.04756	-.07986
MX1X5BS	.27097	.27677	.08347	-.03248	-.02507	-.04134	-.01080	.00535	.00095	-.01628	.04784	-.07545
MX1X5BC	.14645	.55243	.06150	-.02471	-.07589	-.02488	-.01640	.00408	.01210	-.02064	.03276	-.02580
MXSD	.75055	.85553	.10694	-.01007	-.04235	-.10106	-.01123	-.01284	-.01116	-.00051	-.01628	.02656
S6	.28208	.56201	.10925	-.03623	-.02116	-.07107	.00291	-.01891	-.03258	.01644	.02036	-.01651
SXBEH	.61336	.33542	.10424	-.03177	-.02277	-.06109	.02177	-.00554	.00704	-.02167	.01426	-.02214
SXABC	.48204	.45772	.14142	-.03423	-.03551	-.09416	.02248	-.00226	-.04539	-.00294	-.01841	.00916

Table B.10--Pearson Correlations for Females (continued).

	DX761	DX762	DX763	DX1751	DX1752	DX1753	DX1754	DX1761	DX1762	DX1763	DX1764	X5S
X1	.10006	-.04513	-.01706	.00200	.02346	-.02 60	-.01673	-.03970	-.02135	-.01521	.03538	.41125
X4	.01203	-.13222	.08624	.07700	-.09768	.02766	.05164	.09801	-.02175	.04559	.01670	.02045
X5	-.01677	-.08967	.04516	.27571	-.04935	-.03044	-.06512	-.12568	.03012	.07694	.00411	.97598
X6	-.03563	-.01390	.01204	.00935	-.00497	-.02230	.03668	.00105	-.03500	.02453	-.02900	.05556
PARCDC	.05263	.21078	-.13391	-.15879	.13485	.02382	-.00721	-.01241	-.03606	-.06358	.03919	-.13346
PARACC	.06935	.24300	-.20449	-.16317	.15416	.00146	-.02586	-.03470	-.04459	-.11537	.01547	-.09377
PARCONG	.02419	.09582	-.05229	-.12694	.08155	.00673	-.01250	-.02625	-.02904	-.03489	-.02005	-.12840
FAITH	-.01177	.05509	.00962	-.01520	.02162	-.05302	.03336	-.02121	.01998	-.04074	-.02172	-.07079
POLICEP	.10523	.14053	-.13119	-.06046	.08865	-.02526	-.03928	-.01338	-.06635	-.04909	-.02461	-.16335
CHURCHP	.05543	.13586	-.13569	-.05541	.10327	-.02144	-.04482	-.02149	-.07062	-.06987	-.00771	-.14957
MINSTRP	.02009	.12238	-.07361	-.03995	.11322	-.03157	-.05579	-.06561	-.07091	-.05746	.00372	-.09436
SCHOOLP	.02257	.26497	-.12455	-.14655	.14130	-.00660	-.06697	-.05786	.01656	-.07692	.00700	-.10525
TEACHRP	.12087	.20259	-.19702	-.11466	.16079	.01382	-.03170	-.07706	-.02865	-.07708	.03588	-.17516
RELGITY	.07196	.09353	-.06509	-.03176	.09010	-.04096	-.06126	-.04276	-.06976	-.02125	-.04791	-.11367
AUTH	.13361	.07332	-.12703	-.09582	.10470	-.01207	-.00037	-.01777	-.02364	-.02495	-.01320	-.17349
DELSC	-.07297	-.23736	.26022	.13000	-.18024	.04975	.04610	.09072	-.00172	.04640	-.04326	.27549
DRUGS	-.02564	-.15429	.11857	.08734	-.06175	.02475	-.00352	-.02001	.05497	.05550	-.02538	.27552
ALCOHOL	-.04504	-.12579	.11052	.10557	-.05271	.00446	.00892	-.02287	.05863	.07242	-.02306	.24153
GENDEL	-.07010	-.24695	.20055	.17591	-.10596	-.00006	.02859	-.01394	.02038	.01750	.00027	.34126
SUICIDE	-.04196	-.21054	.14630	.20479	-.15209	.03742	.06516	.01928	.04513	.02641	-.01694	.10390
PHYSHUR	.00248	-.10730	.07358	.06213	-.04093	.00670	.00730	.00691	-.00554	-.01455	.04748	.00203
FAMILYC	-.04617	-.14414	.10891	.11670	-.09372	.13509	.05538	.04869	.04619	.09240	-.06518	.11244
FAGE	-.05549	-.19513	.16008	.11942	-.07455	.03271	.01533	-.00398	-.01194	.02438	-.00995	.10717
DEPRESS	.00007	-.25102	.17823	.14538	-.14588	-.03378	-.00300	.04205	-.02722	.05350	-.04611	.06035
AFFECTD	.01365	-.12348	.08234	.07805	-.01374	-.06694	-.01341	-.02271	-.07241	.05415	-.02725	.04917
SELFR	-.07258	.15005	-.09741	-.01077	.12961	.01988	-.01972	-.06425	-.00759	.01416	-.01365	-.09103
CLILT	-.01404	-.01948	.04393	.02636	.07852	-.03020	-.04754	-.05022	-.03354	.02565	-.03319	.03349
CLASSES	-.00006	.33848	-.24896	-.14370	.19028	.00936	-.05916	-.04155	-.02168	-.00694	-.01093	-.09260
AVALC	-.07203	-.04944	.05036	.07119	-.00145	.01740	-.01421	-.02567	.03443	.01322	-.00420	.37024
COLLC	-.01114	.42597	-.27092	-.29125	.29172	-.01545	-.00831	-.02587	-.02384	-.05521	.01698	-.14097
SMOKE	-.12944	-.21726	.24045	.20086	-.14790	.01590	.01799	-.04295	.02904	.04100	-.00572	.33902
FE	.05721	.21655	-.17642	-.18148	.14741	.01212	-.01730	-.02699	-.04385	-.09206	.01301	-.15048
CE	.05977	.24604	-.19437	-.11808	.17140	-.02010	-.06689	-.05475	-.06123	-.07570	.00710	-.15312
PSTRESS	-.02513	-.27005	.13946	.16986	-.12223	.02491	.04612	.01649	.02542	.00801	.01615	.12330
ESTRESS	-.02984	-.24359	.19598	.14103	-.11411	.01646	.04770	.02044	-.01047	.07576	-.05715	.11553
BONDING	.05119	.27354	-.21510	-.18258	.15903	-.00280	-.04728	-.04646	-.06173	-.02465	.01278	-.19734
STRESS	-.07056	-.25263	.18249	.16670	-.17349	.02325	.03615	.02361	.00980	.04627	-.01388	.17675
DELBEH	-.10234	-.26911	.26335	.15915	-.14633	.02567	.02715	-.00514	.04575	.05908	-.02642	.34956
DX31	.08714	-.16744	.07386	.14279	-.16927	.05362	.04893	.04171	.07040	-.07190	-.03539	.05346
DX32	-.02309	.03325	-.01616	.02454	.01092	-.02785	.02376	-.00527	.00222	-.01702	.02047	-.03448
DX33	-.02130	.04298	-.05019	-.06790	.03367	-.03922	-.03754	.00139	-.03032	.05628	-.01380	-.01974
DX34	-.04373	.10122	-.05463	-.09564	.05034	-.03243	-.04325	.00744	-.04604	-.02634	.05430	-.00174
DX71	.00337	.00371	-.03667	.05449	-.03096	-.01804	-.00079	-.07351	.07649	-.01454	.02257	.00449
DX72	-.00071	.01531	.00721	-.01773	-.07075	-.03154	-.01476	.02454	.02426	.00371	-.02398	-.00597
DX73	-.01700	.02298	-.01035	-.00767	-.05628	.03804	.01896	.07520	-.01905	.03145	-.07345	-.03578
DX74	.03159	-.02464	-.01860	-.01963	-.00430	-.00807	-.02405	-.01617	.00155	-.01331	.04735	-.00593
DXE20R3	.02191	.05647	-.07709	-.00196	.00366	-.03347	.05441	.00988	.05567	.00666	-.02069	.06572
DX54	-.02069	-.05643	.08322	-.01311	.00661	.02964	-.05000	.00542	-.03656	-.00148	.01270	-.06311
DX751	1.00000	-.54095	-.21100	-.02240	-.02504	.03497	-.01296	-.01142	.05121	-.01453	.04539	-.00022
DX752	-.54095	1.00000	-.50665	-.17950	.15629	-.05457	-.01729	-.01244	-.03461	-.05610	-.01031	-.10554
DX753	-.21100	-.50665	1.00000	.08913	-.10702	.03708	.02158	.06064	-.04356	.02605	-.03502	.04126
DX1751	-.02240	-.17950	.08913	1.00000	-.41158	-.05359	-.09303	-.10311	.01810	.05110	.00349	.31030
DX1752	-.02504	.15629	-.10702	-.41158	1.00000	-.10472	-.18177	-.21674	-.05905	-.05512	.13682	-.05004
DX1753	.00487	-.05457	.03198	-.05359	-.10472	1.00000	-.02367	-.01458	-.02193	.11290	-.01790	-.02953
DX1754	-.01296	-.01729	.02159	-.09303	-.18177	-.02367	1.00000	.47173	.01271	-.01316	-.21152	-.06718
DX1761	-.01142	-.01244	.06064	-.10311	-.21874	-.01458	.47173	1.00000	-.04431	-.08726	-.37292	-.11745
DX1762	.05121	-.03461	-.04356	.01910	-.05905	-.02193	.01271	-.04431	1.00000	-.04787	-.20459	.01092
DX1763	-.01453	-.05610	.02605	.05110	-.05512	.13290	-.01316	-.08726	-.04787	1.00000	-.27757	.04506
DX1764	.04539	-.01031	-.03802	.00349	.13682	-.01780	-.21152	-.37292	-.20459	-.27757	1.00000	.00143
X5S	-.00022	-.10654	.04126	.31030	-.05004	-.02953	-.06718	-.11745	.01092	.04506	.00143	1.00000
BONDS	.09064	.24572	-.22195	-.17346	.18598	-.00547	-.06403	-.05126	-.05306	-.09519	.00603	-.19234
STRES	-.07092	-.25549	.17494	.18845	-.17704	.02488	.07683	.01872	.02123	.04236	-.02533	.17806
DELBEHS	-.09464	-.26847	.24291	.18017	-.14074	.03397	.02394	-.00480	.04640	.05966	-.02974	.33106
MX5S	-.02325	-.15167	.10405	.32314	-.10004	-.01706	-.03592	-.02422	.04295	.03724	-.00320	.89498
MX1X5SS	.06168	-.07296	.02695	.17497	-.01363	-.02684	-.06467	-.00178	-.00538	.00408	.02508	.79308
MX1X5BD	.01096	-.11996	.07558	.17569	-.04096	-.00936	-.05497	-.09026	-.00062	.03421	.02763	.77485
MXSD	-.09237	-.30320	.25506	.22178	-.16527	.03588	.03665	.00062	.04312	.06216	-.03375	.30628
SE	-.03520	-.16403	.11054	.27150	-.09994	-.07107	-.08142	-.13210	.01893	.03045	.03804	.68032
SXBEH	-.01396	-.13576	.09854	.13338	-.07294	-.01714	-.02351	-.04064	.01204	.02400	.01633	.29604
SXABC	-.01542	-.18719	.11498	.20989	-.10644	-.03685	-.05357	-.03801	.01394	.05921	.01310	.64227

Table B.10--Pearson Correlations for Females (continued).

	BONDS	STRES	DELBEHS	MX5S	MX1X5DS	MY1X5RD	MXSD	SB	SXBEH	SXABC
X1	-.05257	.05080	.14393	.39461	.76459	.69718	.11420	.41356	.19416	.31931
X4	-.15568	.10445	.10295	.04727	-.01740	.00607	.11793	.04184	.09424	.07980
X5	-.20025	.14446	.36520	.90109	.80474	.78822	.33184	.70171	.28679	.45408
X6	-.05398	.06084	.04086	.07434	.04127	.03784	.06366	.04926	.01318	.04704
PARCDC	.75225	-.46566	-.32213	-.31365	-.05900	-.05956	-.44781	-.21121	-.09949	-.20076
PARACC	.75532	-.50060	-.32744	-.27631	.00960	.00498	-.46310	-.17197	-.11676	-.17759
PARCONG	.61974	-.35160	-.19740	-.25557	-.07979	-.05374	-.30461	-.14428	-.09787	-.14736
FAITH	.30933	-.23206	-.15656	-.18031	-.12573	-.11194	-.27835	-.15226	-.02940	-.13774
POLICEP	.57012	-.30104	-.43061	-.24353	-.07483	-.18068	-.39918	-.24093	-.11119	-.18800
CHURCHP	.56393	-.21030	-.35337	-.21590	-.04939	-.13348	-.34444	-.22434	-.19504	-.20584
MINSTRP	.54034	-.11056	-.20109	-.13476	-.01865	-.06927	-.19117	-.12672	-.13576	-.12560
SCHOOLP	.50656	-.27752	-.30435	-.21286	-.05198	-.09166	-.34416	-.18555	-.12660	-.17191
TEACHRP	.61914	-.25239	-.37023	-.22950	.00357	-.07460	-.38555	-.19208	-.10007	-.14140
RELGITY	.41055	-.09387	-.22459	-.14578	-.00544	-.07684	-.20447	-.12388	-.09679	-.08378
AUTH	.55022	-.17676	-.35315	-.24026	-.07699	-.15405	-.33344	-.24780	-.11495	-.18526
DELSC	-.29483	.31142	.50650	.17240	-.00631	.12589	.51379	.17367	.12417	.14275
DRUGS	-.32284	.24287	.77850	.37362	.29132	.51528	.65677	.44698	.27196	.40540
ALCOHOL	-.29386	.23304	.72564	.32412	.17792	.40980	.62175	.41311	.22059	.32972
GENDEL	-.43951	.42096	.69296	.48462	.32465	.48616	.69324	.55424	.36722	.48523
SUICIDE	-.41124	.79171	.42710	.49671	.28371	.22248	.67208	.30753	.24656	.28646
PHYSLER	-.25028	.63043	.12825	.26013	.15518	.02409	.39115	.07650	.08515	.10961
FAMILYC	-.28600	.42937	.23533	.26314	.10552	.07324	.34998	.14241	.10227	.15315
RACE	-.37457	.65590	.34031	.35494	.14548	.10772	.55122	.22641	.18175	.22394
DEPRESS	-.46995	.73374	.27726	.37962	.17705	.04445	.57996	.14594	.05840	.16592
AFFECTD	-.20349	.60616	.17606	.25054	.17467	.04150	.41262	.15719	.09194	.15645
SELFR	.23282	-.26714	-.01924	-.00125	.06524	.10338	-.12387	.08073	-.02899	-.01491
GUILT	-.03758	.37772	.07495	.14773	.09257	.01165	.23456	.11675	.07222	.10542
CLASSES	.41234	-.27597	-.27371	-.19507	-.15666	-.07908	-.32262	-.15314	-.10952	-.13476
AVALD	-.41934	.15073	.40303	.41269	.41298	.47891	.35417	.47929	.25023	.39625
COLLD	.37476	-.28689	-.31103	-.22193	-.07794	-.12240	-.35398	-.20758	-.18527	-.24419
SMOKE	-.41340	.31604	.80562	.45695	.25563	.49118	.72567	.50310	.26766	.42673
FE	.86307	-.57056	-.33975	-.34573	-.05593	-.04976	-.48876	-.22654	-.12776	-.23302
SB	.79264	-.29750	-.46434	-.29143	-.05247	-.14980	-.44696	-.27218	-.19100	-.27059
PSTRESS	-.41571	.89101	.35136	.44997	.27595	.15606	.64619	.24332	.20952	.25134
FSTRESS	-.50166	.86249	.36270	.44275	.20263	.10129	.66347	.25671	.16743	.24628
BONDING	.99367	-.50912	-.47296	-.38405	-.04696	-.11230	-.57262	-.29389	-.18614	-.26698
STRESS	-.51675	.99029	.40321	.51529	.27097	.14645	.75055	.28208	.21336	.28204
DELBEH	-.46701	.41565	.95514	.49774	.27677	.55243	.80556	.54201	.33549	.49732
DX31	-.11556	.13352	.06271	.08907	.08347	.06160	.10624	.10925	.10424	.14142
DX32	.00675	-.01742	-.00254	-.03169	-.07248	-.02471	-.01007	-.03623	-.02177	-.03423
DX33	-.00255	-.01301	-.05231	-.02149	-.02507	-.03589	-.04235	-.02116	-.02337	-.07551
DX34	.12120	-.11574	-.05509	-.05360	-.04134	-.02498	-.10108	-.07197	-.06169	-.08416
DX71	.00202	.00475	-.00706	-.00147	-.01080	-.01640	-.01123	.00291	.02137	.02245
DX72	.06718	-.00700	-.02412	-.01544	.00335	.00409	-.01284	-.01891	.00554	-.00626
DX73	.00046	-.01273	-.00023	-.03344	.00095	.01210	-.01118	-.03258	.00304	-.04579
DX74	-.02786	-.01723	.00692	.00027	-.01628	-.02064	-.00051	.01564	-.02357	-.00294
DX72CRT	.04174	-.00735	-.02257	.04756	.04784	.03376	-.01628	.02036	.01426	-.01041
DX54	-.05130	.01113	.02790	-.03986	-.07645	-.03580	.03498	-.01651	-.02214	.00516
DX751	.09064	-.07092	-.09464	-.02325	.04168	.01996	-.09237	-.03570	-.01396	-.01542
DX752	.26572	-.25549	-.26547	-.19167	-.09296	-.11986	-.30320	-.14603	-.13576	-.18719
DX753	-.22165	.17494	.24271	.10405	.02685	.07558	.25576	.11054	.08954	.11488
DX1751	-.17346	.18345	.18017	.32314	.17497	.17569	.22179	.27150	.13332	.20989
DX1752	.15598	-.13704	-.14074	-.10304	-.01363	-.04096	-.16527	-.09994	-.07294	-.10644
DX1753	-.00547	.02493	.03197	-.01705	-.07694	-.03976	.03598	-.07207	-.01714	-.01685
DX1754	-.04607	.03693	.02394	-.03592	-.04467	-.05487	.03655	-.08142	-.02351	-.05357
DX1761	-.05126	.01573	-.00430	-.00422	-.05178	-.09026	.00652	-.13210	-.04064	-.05801
DX1762	-.05198	.02123	.04640	.04285	-.00538	-.03042	.04312	.01893	.01204	.01394
DX1763	-.05519	.04236	.05966	.03794	.00408	.03421	.06216	.03065	.02400	.05521
DX1764	.00603	-.03333	-.02974	-.00320	.02503	.02363	-.07375	.03504	.01633	.01310
X5S	-.13234	.13506	.33106	.89498	.79308	.77495	.30428	.68032	.29404	.44227
BONDS	1.00000	-.50353	-.46185	-.37798	-.07433	-.11781	-.54239	-.28606	-.18346	-.26444
STRES	-.50358	1.00000	.40873	.51758	.26896	.14916	.75811	.28280	.21628	.28502
DELBEHS	-.46185	.40873	1.00000	.47949	.26772	.54479	.80346	.54517	.34482	.47306
MX5S	-.37798	.51758	.47949	1.00000	.80259	.72803	.59355	.70306	.33746	.49414
MX1X5DS	-.07433	.26898	.26772	.80259	1.00000	.89674	.41695	.59695	.30641	.46972
MX1X5BD	-.11781	.14916	.54479	.72803	.85674	1.00000	.45043	.70628	.36690	.54066
MXSD	-.56239	.75811	.80346	.59355	.41695	.45043	1.00000	.52218	.35156	.47537
SB	-.28096	.28280	.54617	.70306	.65139	.70828	.52218	1.00000	.55007	.62348
SXBEH	-.18346	.21628	.34482	.33746	.30641	.34680	.35156	.55007	1.00000	.72766
SXABC	-.26444	.28502	.47306	.49414	.46972	.54066	.47537	.62348	.72766	1.00000

Table B.11--Means and Standard Deviations.

All Subjects

VARIABLE	MEAN	STANDARD DEV
X1	3.6779	1.5643
X2	1.5282	.4903
X4	1.2465	.4390
X5	2.2207	1.0915
X6	3.7958	1.1427
PARCDC	3.2990	.8843
PARACC	3.9350	.6576
PARCONG	3.7931	.9471
FAITH	3.0634	.5749
POLICEP	3.6604	.7424
CHURCHP	3.4114	.9728
MINSTRP	3.5531	.8220
SCHOOLP	3.0722	.8436
TEACHRP	3.7283	.8915
RELGITY	3.7254	.8711
AUTH	3.3781	.6796
DELSC	1.9522	.9126
DRUGS	1.4387	.8329
ALCOHOL	1.9761	1.0440
GENDEL	1.7647	.7245
SUICIDE	1.5572	.7783
PHYSWBR	2.7356	[illegible]
FAMILYC	1.4553	.8291
RAGE	2.5652	.8192
DEPRESS	2.5135	.7350
AFFECTD	2.8492	.8413
SELFR	3.3926	.5512
GUILT	2.4667	.6405
CLASSES	3.7644	.9292
AVALD	2.4662	1.2298
COLLD	3.5920	.7797
SMOKE	2.1098	1.0791
FB	3.6757	.6873
CB	3.4891	.5937
PSTRESS	2.1464	.5727
ESTRESS	[illegible]	.55[illegible]
BONDING	3.5824	.5491
STRESS	2.2965	.4939
DELBEH	1.8527	.6725
DX31	.3019	.4591
DX32	.3084	.4619
DX33	.1227	.3292
DX34	.1682	.3741
DX71	.0223	.1476
DX72	.2562	.4377
DX73	.2629	.4403
DX74	.2107	.4076
DX52OR3	.1568	.3637
DX64	.8200	.3843
DX751	.1947	.3961
DX752	.5002	.5001
DX753	.1999	.4000
DX1751	.1445	.3517
DX1752	.4225	.4941
DX1753	.0256	.1579
DX1754	.0658	.2491
DX1761	.1506	.3578
DX1762	.0450	.2074
DX1763	.0701	.2554
DX1764	.4993	.5001
X1S	15.9725	11.6893
45S	6.1232	5.4956
BONDS	13.1338	3.8365
STRES	5.5176	2.4490
DELBEHS	3.8845	3.0040
MASS	5.1754	2.9973
MX1X5GS	71.0238	54.2653
MX1X5BD	60.2441	52.2940
MASD	4.3914	2.2540
SB	2.4002	1.1157
SXBEH	.4016	.9964
SXABC	1.5063	1.6948

	Males		Females	
VARIABLE	MEAN	STANDARD DEV	MEAN	STANDARD DEV
X1	3.7058	1.5495	3.6529	1.5776
X4	1.2912	.4545	1.2332	.4230
X5	2.1396	1.0474	2.2933	1.1255
X6	3.7721	1.1439	3.8170	1.1372
PARCDC	3.3258	.9166	3.2751	.9399
PARACC	3.9150	.6522	3.9528	.7175
PARCONG	3.7899	.5957	3.7959	.9924
FAITH	3.0695	.5822	3.0580	.5694
POLICEP	3.6560	.7945	3.7022	.6921
CHURCHP	3.3805	.9886	3.4390	.9591
MINSTRP	3.5636	.8698	3.5436	.7782
SCHOOLP	2.9993	.8530	3.1374	.8301
TEACHRP	3.7110	.9385	3.7438	.8474
RELGITY	3.6509	.9346	3.7729	.8043
AUTH	3.3987	.6970	3.3666	.6640
DELSC	2.0221	.9378	1.8897	.8552
DRUGS	1.5237	.9200	1.3628	.7386
ALCOHOL	2.1165	1.1628	1.8566	.9503
GENDEL	2.0211	.8290	1.5736	.5346
SUICIDE	1.5041	.8227	1.5511	.7365
PHYSWBR	2.6540	.6477	2.7997	.7032
FAMILYC	1.5231	.9337	1.3948	.7191
RAGE	2.6717	.8524	2.4757	.7772
DEPRESS	2.8862	.6995	2.5370	.7649
AFFECTD	2.7372	.9000	2.9493	.8656
SELFR	3.4071	.5649	3.3796	.5385
GUILT	2.4399	.6567	2.4905	.6252
CLASSES	3.6310	.9781	3.8926	.8615
AVALD	2.5276	1.2157	2.4152	1.2395
COLLD	3.5533	.8039	3.6266	.7505
SMOKE	2.1203	1.0901	2.1004	1.0676
FB	3.6769	.6493	3.6746	.7194
CB	3.4621	.6122	3.5132	.5557
PSTRESS	2.1140	.5674	2.1754	.5761
ESTRESS	2.4545	.5562	2.4364	.5517
BONDING	3.5645	.5504	3.5939	[illegible]
STRESS	2.2643	.4872	2.3074	.4996
DELBEH	1.9611	.7329	1.7558	.5075
DX31	.2521	.4503	.3153	.4664
DX32	.3062	.4612	.3103	.4629
DX33	.1466	.3539	.1013	.3019
DX34	.1647	.3711	.1713	.3769
DX71	.0211	.1437	.0233	.1510
DX72	.2570	.4372	.2592	.4384
DX73	.2721	.4453	.2547	.4359
DX74	.2139	.4102	.2072	.4055
DX52OR3	.1907	.3950	.1354	.3423
DX64	.7972	.4023	.8404	.3664
DX751	.2068	.4052	.1339	.3875
DX762	.4277	.4950	.5650	.4960
DX763	.2350	.4267	.1650	.3714
DX1751	.1114	.3148	.1740	.3793
DX1752	.3066	.4824	.4457	.4973
DX1753	.0392	.1941	.0135	.1153
DX1754	.0954	.2939	.0395	.1948
DX1761	.2018	.4016	.1049	.3066
DX1762	.0572	.2324	.0341	.1815
DX1763	.0803	.2719	.0610	.2394
DX1764	.4509	.4979	.5426	.4984
X5S	5.6737	5.1394	6.5247	5.7691
BONDS	13.0439	3.9405	13.2140	3.8325
STRES	5.4550	2.3986	5.5734	2.4910
DELBEHS	4.3324	3.4275	3.4297	2.4859
MX5S	4.9563	2.3748	5.3711	3.0335
MX1X5GS	66.6863	48.7298	74.8984	58.5213
MX1X5BD	61.0156	53.2217	59.5549	51.4652
MXSD	4.6329	2.4296	4.1757	2.0662
SB	2.4562	1.1693	2.3501	1.0531
SXBEH	.5665	1.2256	.2579	.7035
SXABC	1.7639	1.8469	1.2763	1.5104

APPENDIX C

APPENDIX C

SUMMARY OF STATISTICAL PROCEDURES

The following summaries of the statistical procedures used in this study are intended to give the reader some idea of their scope and logic. Nie et al. (1975), the SPSS manual, the SPSS Supplement Manual (1976), and Kerlinger and Pedhazur (1973) are relied upon heavily in these reviews. All statistical procedures were executed with SPSS.

Nonadditivity

Nonadditivity is tested using Tukey's test for additivity. In our model the two way analysis of variance assumes that no interaction is present. The presence of nonadditivity would tend to mask simple proportional or multiplicative relationships between row and column effects, thus making the scale less reliable. Nonadditivity reduces the precision of our instruments since the estimated error variance is inflated by the component due to nonadditivity, and this loss of precision increases as the size of the error in the main effects increases. Violation of the additivity assumption is especially serious in the two way factorial fixed effects model. If interaction is present then

the error sums of squares for the additive model estimate is $\sigma_e^2 + \sigma_1^2$ rather than simply the error. The F ratio then in the presence of interaction is a conservative test and a significant result can be interpreted as a rejection of the null hypothesis. A nonsignificant result implies no decision may be made for this particular index. If significant main effects are found under these conditions, specific comparisons between treatment means will not usually detect significant differences due to the inflated estimate of the error variance. If Tukey's test indicates the presence of interaction, then the Tukey test provides a partitioning of the residual sum of squares into interaction and balance components. Therefore, assuming that interactions of higher order than linear by linear are negligible, the balance component may be used as a "purified" estimate of the error sum of squares in a model containing interaction. In effect the presence of interaction can be interpreted as indicating that those who score either high, low, or medium on the set of items in the scale do so consistently (SPSS Supplement Manual, 1976:12-27).

Factor Analysis

The uses of factor analysis in this study are of three kinds: one, exploratory--the exploration and detection of patterning of variables for the reduction of data and searching for additional concepts in this data set; two, confirmatory--a check to see if the variables constructed

primarily from face validity would be confirmed through a statistical procedure such as factor analysis; and three, as a measuring device--for the refinement of indices to be used as new variables in later analysis.

Basically factor analysis is a method by which a minimum number of hypothetical variables are specified in such a way that after controlling for these hypothetical variables, all the remaining (partial) correlations between the variables would become zero.

In this study principal-factor solution two (PA2) is used. What this does is in the initial stages of the factoring process communality estimates are placed on the main diagonal of the correlation matrix.[2] Initial estimates of these communalities are given by the squared multiple correlation between a given variable and the rest of the variables in the matrix. The number of factors to be reduced from the original correlation matrix is determined

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[2]While principal-component analysis with varimax rotation was used for extracting factors and the construction of scales, it is realized that certain pitfalls exist in using standardized coefficients. Woelfel et al. (1977) explored this issue with a data set which has three known dimensions--distances between U.S. cities with the dimensions being east-west, north-south, and elevation. They found that unstandardized analysis with the variance-covariance matrix provided a better portrayal of the factor loadings where the variables were measured on the same scale. Variables measured on different scales must be analyzed cautionsly using this method because of the difference in vector lengths, thus, larger factor loadings for larger lengths.

and then with the communalities placed on the diagonal the same number of factors is extracted. From this reduced matrix the variances accounted for by these factors then become the new communality estimates and are placed on the diagonal. This process continues until the differences between the two successive communality estimates are negligible (Nie et al., 1975:468-490)

From PA2 inferred factors are generated, more commonly known as classical-factor analysis where the observed correlations are presumed to be the results of some underlying regularity in the data. It is assumed that an observed variable is influenced by various determinants, some of which are shared by other variables in the set while others are not shared by any other variable. That part of a variable which is influenced by the shared determinants is called common, and the part which is influenced by idiosyncratic determinants is called unique. It should be understood that the unique part does not contribute to relationships among the variables. Therefore, the observed correlations must be the result of the correlated variables sharing some of the common determinants. The faith on our part is that assumed common determinants will account for all the observed relations in the data and will be smaller than the number of variables (Nie et al., 1975).

Principal components factor analysis was used employing the methods described above with varimax rotation. Rotation involves looking at the variables from a different

point in the circle. Since 160 variables were to be factored the data set needed to be divided into sets of variables for factoring in order to accomodate the 63 variable limit induced by the program. Based on indexes used in Hager (1970) and from proposed indexes for this data set variables were included which had face validity for hanging together. For instance the four main categories of investigation--family structure, bonding, stress, and delinquent behavior were used as categories for sorting the variables. Factor analytic runs were then performed on these sets of variables for all subjects and initial factors were extracted. All of the major categories postulated were found to exist in the data through factoring and rotation. Some new factors emerged, but were generally combinations of variables which loaded (had a high to moderate correlation) with other factors. The factor loadings for the variables are given and discussed further in Appendix A.

Initial factors were extracted using all the subjects--no division was made by sex as was done sometimes in the higher order factoring. Higher order factoring is a factor analysis performed on the scales used in this study which were postulated a priori and confirmed through the first order factor runs. Listwise deletion of missing data was employed for all runs.

Regression Analysis

Multiple regression is a general statistical technique through which one analyzes the relationship between a

dependent variable and a set of independent variables. The language of regression analysis sometimes refers the dependent variable as the criterion and the independent variable as the predictor. Multiple regression can be viewed as a descriptive tool by which the linear dependence of one variable on others is summarized and decomposed, and as an inferential tool by which the relationships in the population are evaluated from the examination of sample data.

The multiple regression model involving more than two independent variables is $Y = A+B_1X_1+B_2X_2.....B_kX_k$ where Y represents the estimated value of the criterion variable Y, A is the intercept, and the B_i are partial regression coefficients. B_1 expresses the effect of X_1 on Y when $X_2,...,X_k$ are held constant. The B_1 is the expected change in Y with a change of an unit in X_1 when other X_i are held constant.

During the regression process, the A (if not = 0) and B coefficients are selected in such a way that the sum of squared residuals is minimized. Selection of the optimum coefficients using the least squares criteria implies also that the correlation between the actual Y value and the Y estimated value is maximized (Nie et al., 1975:321-342).

The full model in multiple linear regression refers to the equation in which all variables have been entered. The chance probability of the proportion of variance explained by the full model is dependent on the proportion of variance explained by each variable in the model in combi-

nation with the others. The restricted model in multiple linear regression refers to the equation in which all the variables have been entered except the variable(s) of special interest for hypothesis testing. The chance probability of the proportion of variance explained by the restricted model is dependent on the proportion of variance explained by each variable in the model in combination with the others. In comparing the full and restricted models the chance probability refers to the difference in the proportion of variance explained by each model (McNeil et al., 1975).

Multiple regression analysis is the proper statistical procedure for this phase of analysis due to the research design of multiple independent variables predicting to singular dependent variables. Multiple regression provides a means of examining the effects and magnitudes of the effects of more than one independent variable on one dependent variable.

The technique of backward solution was employed in this study. This solution starts out with the squared multiple correlation and each predictor variable is deleted from the regression equation one at a time with the loss to R^2 due to the deletion being studied. By this method each variable is treated as if it were entered last in the equation and by this method it is possible to observe which predictor adds the least when entered last. The loss in R^2

may be assessed on the criterion of meaningfulness as well as significance. Those variables not adding meaningfulness or significance are deleted from the equation. In this study the .10 level of significance was chosen as the significance level for inclusion or deletion of a predictor (Kerlinger and Pedhazur, 1973:289).

Discriminant Analysis

Multiple discriminant analysis will be used to assign individuals to one of five levels of sexual behavior based on their responses to a series of independent variables. This is done by forming linear combinations of the discriminating variables which will maximize the differences between the groups relative to the differences within the groups (Kerlinger and Pedhazur, 1973:340). Discriminant functions are of the form $Di = d_{i1}Z_1 + d_{i2}Z_2 + ... + d_{ip}Z_p$ where D_i is the score on discriminant function i, the d's are the weighting coefficients, and the Z's are the standardized values of the p discriminating valiables. The maximum number of discriminant functions derivable is either one less than the number of groups or equal to the number of discriminating variables.

The research objectives of analysis and classification are used once the discriminant functions have been derived. Analysis provides several tools for the interpretation of data. One is statistical tests for measuring the success with which the discriminating variables

actually discriminate when combined into the discriminant functions. As axes of geometric space the discriminant functions can be used to study the spacial relations among the groups. The weighting coefficients are interpretable as are the coefficients in regression and factor analysis (Nie et al., 1975:434-448).

As a classification technique a set of functions can be derived which will permit the classification of new cases with unknown group memberships. For instance if we find characteristics that do well in predicting sexual behavior, we can predict to those people who are not members of the current sample given generalization considerations.

APPENDIX D

Michigan State University
East Lansing, Michigan

Department of Social Science
Research Division

APPENDIX D

STUDENT OPINIONNAIRE

WHAT THIS IS ALL ABOUT

Michigan State University is doing an important study of the opinions young people in Michigan have about themselves and what they do. You can help us best by answering the following questions as clearly and carefully as you can. NO ONE, NOT EVEN YOUR TEACHERS, WILL EVER KNOW WHAT YOU HAVE WRITTEN. THE SUCCESS OF THIS STUDY DEPENDS ENTIRELY UPON YOUR TRUTHFULNESS.

REMEMBER

This is NOT a test. There are NO right or wrong answers (except for a few questions about your age, grade, etc.) Many times young people say the "older generation" doesn't listen to them. Here is your chance to be heard. We value your ideas and want to know what your opinions are. Different people will have different opinions. In order to help and understand young people today, we need YOUR honest opinions.

INSTRUCTIONS

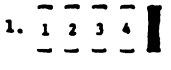
There are 177 questions. Be sure to answer EACH and EVERY question. Each question has only ONE answer. Be sure to mark your answer in the appropriate space on the SEPARATE ANSWER SHEET. DO NOT MARK THE OPINIONNAIRE BOOKLET.

Sample Question:

1. I like to sleep late on weekends.

1. Strongly Disagree
2. Disagree
3. Uncertain
4. Agree
5. Strongly Agree

Elizabeth loves to sleep late whenever she can. She would mark the answer sheet in this way.



BE SURE TO USE THE SPECIAL SCORING PENCILS. AFTER YOU ARE FINISHED, PLACE THE OPINIONNAIRE BOOKLET, THE ANSWER SHEET, AND THE SPECIAL SCORING PENCIL BACK INTO THE LARGE ENVELOPE. YOUR ENVELOPE WILL BE PICKED UP BY THE MICHIGAN STATE UNIVERSITY RESEARCH TEAM.

1. How old are you?

   1. 12 or younger
   2. 13
   3. 14
   4. 15
   5. 16
   6. 17 or older

2. Your sex is

   1. male.
   2. female.

3. How much formal education does your FATHER have?

   1. Some high school or less
   2. Graduated from high school
   3. Some college
   4. Graduated from college
   5. Attended graduate or professional school

4. What is your religion?

   1. Catholic
   2. Jewish
   3. Protestant
   4. No religious preference

5. I am

   1. married or engaged.
   2. going steady.
   3. dating, but not going steady.
   4. Not currently dating.
   5. not yet dating.

6. How many brothers or sisters do you have?

   1. None
   2. One
   3. Two
   4. Three
   5. Four or more

7. Which of the following describes you the best?

   1. Only child
   2. First born child
   3. Second born child
   4. Third born child
   5. Fourth or later born child

8. Which of the following describes your family the best?

   1. I am the only child.
   2. There are only male children.
   3. There are only female children.
   4. There are both male and female children.

(DO NOT MARK OPINIONNAIRE BOOKLET.)	Strongly disagree (1)	Disagree (2)	Uncertain (3)	Agree (4)	Strongly agree (5)
9. I have faith in people	1	2	3	4	5
10. I have a good appetite	1	2	3	4	5
11. I wish people would pay more attention to me	1	2	3	4	5
12. With the second coming of Christ, the dead will live again	1	2	3	4	5
13. At times, I feel I'm not worth very much.	1	2	3	4	5
14. Most teachers are interesting people	1	2	3	4	5
15. I am proud of my school.	1	2	3	4	5
16. I believe there is a hell where men are punished for their sins.	1	2	3	4	5
17. Few people are really selfish.	1	2	3	4	5
18. Communities could not exist without the help of the police	1	2	3	4	5

19. On the average, how many cigarettes do you smoke in a typical day?

   1. I don't smoke or I've tried it only a few times.
   2. Less than ½ pack
   3. Between ½ and 1 pack
   4. Between 1 and 2 packs
   5. Over 2 packs

20. I inhale when I smoke.

1. I don't smoke or I've tried it only a few times.
2. Never
3. Sometimes
4. Frequently
5. Very frequently

21. I enjoy smoking cigarettes.

1. I don't smoke or I've tried it only a few times.
2. Never
3. Sometimes
4. Frequently
5. Very frequently

22. Are your parents smokers?

1. No
2. Yes, father only
3. Yes, mother only
4. Yes, both parents

23. How many of your friends smoke?

1. None
2. A few
3. Some
4. Most
5. All

(DO NOT MARK OPINIONNAIRE BOOKLET.)	(1) Strongly disagree	(2) Disagree	(3) Uncertain	(4) Agree	(5) Strongly agree
24. Most teachers are easy to talk to	1	2	3	4	5
25. Obedience and respect for authority should be the very first requirement of a good citizen.	1	2	3	4	5
26. I beleive there is a devil who tries to lead men into sin	1	2	3	4	5
27. My parents are happy that I was born.	1	2	3	4	5
28. I desperately need someone to talk to but no one will listen.	1	2	3	4	5
29. The church (synagogue) helps you live a happier life.	1	2	3	4	5
30. It is unusual for me to have aches and pains.	1	2	3	4	5
31. Sometimes I feel like crying out for love and understanding	1	2	3	4	5
32. School is a friendly place.	1	2	3	4	5
33. I need more affection from someone who cares about me	1	2	3	4	5

(DO NOT MARK OPINIONNAIRE BOOKLET.) On how many different occasions during the past month have you had	(1) None	(2) Once	(3) 2 to 4 times	(4) 5 to 7 times	(5) 8 or more times
34. beer to drink?	1	2	3	4	5
35. wine to drink?	1	2	3	4	5
36. whiskey to drink?	1	2	3	4	5

TURN TO PAGE 4.

(DO NOT MARK OPINIONNAIRE BOOKLET.)

	Strongly disagree (1)	Disagree (2)	Uncertain (3)	Agree (4)	Strongly agree (5)
37. Most teachers are interested in their students as individuals	1	2	3	4	5
38. I am bored most of the time	1	2	3	4	5
39. I would rather be in school than most other places.	1	2	3	4	5
40. A person usually knows who he can depend on	1	2	3	4	5
41. You can count on the church (synagogue) to be of help in time of need	1	2	3	4	5
42. I seldom get tired.	1	2	3	4	5
43. My parents talk TO me and not AT me	1	2	3	4	5
44. I seldom have an upset stomach.	1	2	3	4	5
45. I believe there is a divine plan and purpose for every living person and thing.	1	2	3	4	5

(DO NOT MARK OPINIONNAIRE BOOKLET.)

	Never (1)	Seldom (2)	Sometimes (3)	Frequently (4)	Very frequently (5)
46. I am ashamed of some of the things I have done	1	2	3	4	5
47. I have felt so mad that I could hardly keep from hitting someone	1	2	3	4	5
48. I have felt guilty about getting other people in trouble	1	2	3	4	5
49. I get so angry, I can think of nothing else.	1	2	3	4	5

50. Do you plan to graduate from high school?

1. No
2. I'm not sure.
3. Yes

51. Are you planning to go to college after high school?

1. No
2. I'm not sure.
3. Yes

52. How many of your friends plan to go to college?

1. None
2. A few
3. Some
4. Most
5. All

53. My parents

1. don't want me to go to college.
2. would prefer that I got a job.
3. would not care if I went to college or not.
4. would like me to go to college.
5. expect me to go to college.

54. Do you think you have the ability to complete four years of college?

1. No
2. Probably not
3. I'm not sure.
4. Yes, probably
5. Yes, definitely

TURN TO THE FOLLOWING PAGE.

(DO NOT MARK OPINIONNAIRE BOOKLET.)

How often have you	Never (1)	Seldom (2)	Sometimes (3)	Frequently (4)	Very frequently (5)
55. held hands with someone of the opposite sex (not including relatives)?	1	2	3	4	5
56. held your arm around or been held by someone of the opposite sex (not including relatives)?	1	2	3	4	5
57. kissed or been kissed by someone of the opposite sex (not including relatives)?	1	2	3	4	5
58. necked (prolonged kissing and hugging) with someone of the opposite sex?	1	2	3	4	5
59. been involved in light petting (feeling above the waist) with someone of the opposite sex?	1	2	3	4	5
60. been involved in heavy petting (feeling below the waist) with someone of the opposite sex?	1	2	3	4	5

61. Have you gone all the way with someone of the opposite sex?

1. Never
2. Once
3. 2 to 5 times
4. 6 to 12 times
5. 13 or more times

62. With how many people of the opposite sex have you gone all the way?

1. I have not gone all the way.
2. One person
3. 2 to 3 people
4. 4 to 6 people
5. 7 or more people

63. Who was the first person you went all the way with?

1. I have never gone all the way.
2. A steady date
3. Someone I have known for a while
4. A relative
5. A stranger

64. How often have you had sexual relations with someone of the SAME sex?

1. Never
2. Once
3. Twice
4. Three times
5. Four or more times

TURN TO THE FOLLOWING PAGE.

(DO NOT MARK OPINIONNAIRE BOOKLET.)	Strongly disagree (1)	Disagree (2)	Uncertain (3)	Agree (4)	Strongly agree (5)
65. There is hardly anyone lower than a person who does not feel a great love, gratitude and respect for his parents	1	2	3	4	5
66. When I tell my parents the truth, they believe me	1	2	3	4	5
67. I often feel low.	1	2	3	4	5
68. What youth needs most is strict discipline, rugged determination and the will to fight for family and nation	1	2	3	4	5
69. Police should be admired and respected because of their tough job.	1	2	3	4	5
70. Material taught in school is interesting and useful	1	2	3	4	5
71. It's easy to figure out who can be trusted	1	2	3	4	5
72. My parents enjoy being with each other.	1	2	3	4	5
73. People will seldom take advantage of you.	1	2	3	4	5
74. A typical police officer is a nice guy.	1	2	3	4	5
75. My parents encourage or praise me for what I do	1	2	3	4	5

76. Described below are four different types of students. Choose the one which MOST LIKE YOU.

1. This person's primary reason for being in school is to obtain vocational or occupational training.
2. This person feels that the educational side of school is most important but feels he also should be involved in school activities.
3. This person feels that the social life at school is very important and does just enough school work to get by.
4. This person is not concerned about school and would prefer to leave school and start making money as soon as possible.

77. Most of your grades have been

1. F's 2. D's 3. C's 4. B's 5. A's

(DO NOT MARK OPINIONNAIRE BOOKLET.) Compared to others of my age, my	Among the poorest (1)	Below average (2)	Average (3)	Above average (4)	Among the best (5)
78. popularity is	1	2	3	4	5
79. looks are	1	2	3	4	5
80. personality is.	1	2	3	4	5
81. clothes are	1	2	3	4	5
82. physical health is.	1	2	3	4	5

(DO NOT MARK OPINIONNAIRE BOOKLET.)

How often have you	Never (1)	Once (2)	2 to 4 times (3)	5 to 7 times (4)	8 or more times (5)
83. taken things from stores without paying for them?	1	2	3	4	5
84. driven a car without the owner's permission?	1	2	3	4	5
85. stolen money?	1	2	3	4	5
86. driven recklessly?	1	2	3	4	5
87. damaged other people's property on purpose?	1	2	3	4	5
88. beaten up on someone?	1	2	3	4	5
89. run away from home?	1	2	3	4	5
90. gotten into a fist fight?	1	2	3	4	5
91. skipped school?	1	2	3	4	5
92. used a weapon against someone?	1	2	3	4	5

(DO NOT MARK OPINIONNAIRE BOOKLET.)

	(Strongly disagree (1)	(Disagree (2)	(Uncertain (3)	(Agree (4)	(Strongly agree (5)
93. My parents care what happens to me	1	2	3	4	5
94. I have no problem sleeping at night.	1	2	3	4	5
95. The church (synagogue) has something to offer everyone	1	2	3	4	5
96. I can talk to my parents anytime I like.	1	2	3	4	5
97. I feel healthy most of the time.	1	2	3	4	5
98. It's easy for me to talk to my parents about things that bother me.	1	2	3	4	5
99. Most teachers treat students the same.	1	2	3	4	5
100. When dealing with people, you can rely on their honesty.	1	2	3	4	5

101. How many times during the LAST WEEK have you taken aspirin?

1. None
2. Once
3. 2 to 4 times
4. 5 to 7 times
5. 8 or more times

TURN TO THE FOLLOWING PAGE.

(DO NOT MARK OPINIONNAIRE BOOKLET.) On how many different occasions have you used	None (1)	Once (2)	2 to 4 times (3)	5 to 7 times (4)	8 or more times (5)
102. marijuana?	1	2	3	4	5
103. hallucinogens or psychedelics (such as LSD, STP, and mescaline)?	1	2	3	4	5
104. amphetamines or methamphetamines (speed such as benzedrine, dexedrine and methedrine)?	1	2	3	4	5
105. hard drugs (such as heroin, cocaine and morphine)?	1	2	3	4	5
106. sedatives (downers such as barbiturates, seconal and phenobarbital)?	1	2	3	4	5

(DO NOT MARK OPINIONNAIRE BOOKLET).	Strongly disagree (1)	Disagree (2)	Uncertain (3)	Agree (4)	Strongly agree (5)
107. Sometimes I don't care what happens to me	1	2	3	4	5
108. It is important to teach children obedience to authority.	1	2	3	4	5
109. I need to find someone who will really love me	1	2	3	4	5
110. Few people care how I feel about things	1	2	3	4	5
111. I enjoy going to school	1	2	3	4	5
112. My parents are interested in what I do.	1	2	3	4	5
113. At times, I feel my life is empty.	1	2	3	4	5
114. Any good parent should be strict with his children in order to gain their respect	1	2	3	4	5
115. Most teachers should be respected for the work they do.	1	2	3	4	5
116. I believe there is a life after death	1	2	3	4	5
117. Police are fair in their treatment of people.	1	2	3	4	5

118. How easy is it for your parents to talk to each other?

1. Very difficult
2. Somewhat difficult
3. Fairly easy
4. Easy
5. Very easy

119. Rate your parents' general relationship to each other.

1. Very unhappy
2. Unhappy
3. Fairly unhappy
4. Happy
5. Very happy

TURN TO THE NEXT PAGE.

(DO NOT MARK . OPINIONNAIRE BOOKLET.)	Never (1)	Seldom (2)	Sometimes (3)	Frequently (4)	Very frequently (5)
120. My parents are considerate of each other's feelings.	1	2	3	4	5
121. I have tried to kill myself.	1	2	3	4	5
122. I feel bad because I betrayed others when they trusted me. . . .	1	2	3	4	5
123. My parents do nice things for each other	1	2	3	4	5
124. I have caused other people hurt and pain	1	2	3	4	5
125. I have had the urge to kill.	1	2	3	4	5
126. My parents show affection for one another.	1	2	3	4	5
127. My parents agree on important matters.	1	2	3	4	5

(DO NOT MARK OPINIONNAIRE BOOKLET.) Do you like the following classes?	No (1)	Usually not (2)	I'm not sure (3)	Sometimes (4)	Yes (5)
128. Mathematics.	1	2	3	4	5
129. Vocational-technical (such as typing, shop, and home economics).	1	2	3	4	5
130. Foreign languages.	1	2	3	4	5
131. Physical education	1	2	3	4	5
132. Science.	1	2	3	4	5
133. English.	1	2	3	4	5
134. Music.	1	2	3	4	5
135. Social science	1	2	3	4	5
136. Art.	1	2	3	4	5

(DO NOT MARK OPINIONNAIRE BOOKLET.)	Never (1)	Seldom (2)	Sometimes (3)	Frequently (4)	Very frequently (5)
137. I am ashamed of some of my thoughts	1	2	3	4	5
138. At times, I feel like exploding	1	2	3	4	5
139. I have thought of different ways of committing suicide.	1	2	3	4	5
140. I have had the urge to beat someone up.	1	2	3	4	5
141. I have been embarrassed by things I have told others.	1	2	3	4	5
142. I have felt like smashing things.	1	2	3	4	5
143. Have you ever thought of killing yourself	1	2	3	4	5

(DO NOT MARK OPINIONNAIRE BOOKLET.)	(Strongly disagree (1)	(Disagree (2)	(Uncertain (3)	(Agree (4)	(Strongly agree (5)
144. To me, the most important work of the church is saving sinners. . .	1	2	3	4	5
145. My parents like me.	1	2	3	4	5
146. Police are helpful in time of need.	1	2	3	4	5
147. Up to now, my life has been rather discouraging	1	2	3	4	5
148. My parents enjoy having me around	1	2	3	4	5
149. Most teachers are helpful	1	2	3	4	5
150. The Bible is God's word and what it says is true.	1	2	3	4	5
151. People should have more respect for authority	1	2	3	4	5
152. Ministers, priests and rabbis are understanding and easy to talk to	1	2	3	4	5

(DO NOT MARK OPINIONNAIRE BOOKLET.) If you wanted to obtain	(Very difficult (1)	(Somewhat difficult (2)	(Fairly easy (3)	(Easy (4)	(Very easy (5)
153. marijuana, how difficult would it be?.	1	2	3	4	5
154. hallucinogens or psychedelics (such as LSD, STP and mescaline), how difficult would it be?	1	2	3	4	5
155. amphetamines or methamphetamines (speed such as benzedrine, dexedrine and methedrine), how difficult would it be?.	1	2	3	4	5
156. hard drugs (such as heroin, cocaine and morphine), how difficult would it be?	1	2	3	4	5
157. sedatives (downers such as barbiturates, seconal and phenobarbital), how difficult would it be?	1	2	3	4	5

(DO NOT MARK OPINIONNAIRE BOOKLET.)	No (1)	Yes (2)
158. Serious illness is a problem in my family.	1	2
159. Drinking is a serious problem in my family	1	2
160. Divorce or the likelihood or divorce is causing trouble for my family.	1	2
161. Mental illness is causing problems for my family.	1	2
162. The death of a family member of close friend is causing my family trouble.	1	2
163. You have been beaten so badly by your parents that you were ashamed to be seen by others.	1	2

(DO NOT MARK OPINIONNAIRE BOOKLET.)	(1) Strongly disagree	(2) Disagree	(3) Uncertain	(4) Agree	(5) Strongly agree
164. People think of me as a delinquent.	1	2	3	4	5
165. Police seldom misuse their authority.	1	2	3	4	5
166. My parents think I'm as good as anyone.	1	2	3	4	5
167. Ministers, priests, and rabbis give up many things for the good of others	1	2	3	4	5
168. I am a delinquent	1	2	3	4	5
169. My parents listen to what I have to say	1	2	3	4	5
170. It is unusual for the police to do something crooked.	1	2	3	4	5
171. I have frequently felt unloved.	1	2	3	4	5
172. Ministers, priests, and rabbis should be admired and respected for the work they do.	1	2	3	4	5
173. I can talk to my parents about anything	1	2	3	4	5
174. God is a heavenly father who watches over and protects us	1	2	3	4	5

175. When do you expect to get married?

1. Before I'm twenty
2. In my twenties
3. After thirty
4. I don't intend to ever get married.
5. I am not sure.

176. When I get married, I want

1. I don't know or I don't plan to get married.
2. a family with no children.
3. a small family (only 1 child).
4. a medium sized family (2 children).
5. a big family (3 or more children).

177. How do you feel about answering these questions?

1. I liked answering them.
2. I'm not sure.
3. I didn't like answering them.

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